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TITLE 6—AGRICULTURAL CREDIT

Chapter I—Farm Credit Administration, Department of Agriculture

Subchapter D—Federal Intermediate Credit Banks

[Farm Credit Administration Order 468]

PART 42—LOANS AND DISCOUNTS

RATES OF INTEREST OR DISCOUNT CHARGED NOTE MAKERS BY FINANCING INSTITUTIONS

Section 42.308 (12 F. R. 6125) of Title 6 of the Code of Federal Regulations, is hereby amended to read as follows:

§ 42.308 *Rates of interest or discount charged note makers by Financing Institutions.* On and after January 1, 1948, the rates of interest or discount charged farmers and stockmen on notes or other obligations that may be discounted for, or accepted as collateral for loans to, production credit associations and other financing institutions, shall not exceed by more than 4 per centum per annum the loan and discount rate of the Federal intermediate credit bank in effect at the time the loan is made. (Sec. 2, 42 Stat. 1456, 12 U. S. C. 1052)

[SEAL] I. W. DUGGAN, *Governor.*

DECEMBER 1, 1947.

[F. R. Doc. 47-10693; Filed, Dec. 4, 1947; 8:49 a. m.]

Chapter II—Production and Marketing Administration (Commodity Credit)

[1947 C. C. C. Seed Bulletin 1 (Purchase Agreement)]

PART 274—SEED PURCHASE AGREEMENT PROGRAM

1947 PROGRAM

This bulletin states the requirements with respect to the 1947 Seed Purchase Agreement Program, formulated by the Commodity Credit Corporation (hereinafter referred to as CCC) and the Production and Marketing Administration (hereinafter referred to as PMA). Purchase agreements will be made available to eligible producers on eligible seed in accordance with this bulletin.

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274.101 Administration.
274.102 Availability of purchase agreements.
274.103 Eligible producer.
274.104 Eligible seed.
274.105 Eligible storage.
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274.113 Schedule of purchase prices and specifications.
274.114 Delivery.
274.115 Storage and handling charges.
274.116 Field offices of Commodity Credit Corporation.

AUTHORITY: §§ 274.101 to 274.116, inclusive, issued under Article Third, par. (b) Corporate Charter of the Commodity Credit Corporation; sec. 7 (a), 49 Stat. 4, as amended; 15 U. S. C. and Sup. 713.

§ 274.101 *Administration.* The program will be administered in the field by the county agricultural conservation committees under the general supervision of the State PMA committees according to the provisions of this bulletin and those of Commodity Loan and Purchase 2 (which establishes intra-departmental procedural and administrative responsibilities only and is, therefore, not published or made generally available to the public). County committees will determine the quantity of seed in each lot and, on the basis of official test certificates, determine the eligibility and value of seed delivered under a purchase agreement. The county committee shall issue necessary delivery instructions, prepare and approve purchase agreements and other forms, and retain copies thereof. The county committee may designate in writing certain employees of the county agricultural conservation association to execute such forms on behalf of the committee.

§ 274.102 *Availability of purchase agreements*—(a) *Area.* Purchase agreements will be available to producers of eligible seed in all areas where seed are produced.

(b) *Time.* Purchase agreements may be executed from time of harvest through February 29, 1948.

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FEDERAL REGISTER

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§ 274.103 *Eligible producer.* An eligible producer (hereinafter referred to as producer) shall be any individual, partnership, association, corporation, or other legal entity harvesting eligible seed in 1947 as landowner, landlord, tenant, or sharecropper.

§ 274.104 *Eligible seed.* Eligible seed (hereinafter referred to as seed) shall be seed which was harvested in 1947, the beneficial interest in which is now in the producer and always has been in him or in him and a former producer whom he succeeded before the seed was harvested, and which meet the following requirements:

(a) *Specifications.* The seed must, on the basis of official purity and germination tests, be equal to or better in every respect than the minimum specifications for the particular kind of seed as shown in Schedule of Purchase Prices and Specifications, § 274.113.

(b) *Packaging.* The seed shall be packaged in new bags of approved quality as described below, of 100 pounds net or 150 pounds net. If new bags are not available, No. 1 used bags as heavy as, or heavier than, those described below, thoroughly cleaned before being filled, free of holes, patches, or other defects, may be used.

(1) *For common ryegrass:*

Type	*Net capacity (pounds)*
(i) Try-Sax:	
36-inch 7.5-ounce or heavier	100
40-inch 8.25-ounce or heavier	100
(ii) Osnaburg: 30-inch 7-ounce or heavier	100
(iii) Burlap: 8-ounce or heavier	100

(2) *For alfalfa:*

Type	*Net capacity (pounds)*
(i) Try-Sax (double seam):	
36-inch 7.5-ounce or heavier	100
40-inch 8.25-ounce or heavier	100
(ii) Osnaburg (seamless or double seam) 30-inch 7-ounce or heavier	100
(iii) Seamless cotton: 16-ounce	150

(c) *Fumigation.* The seed shall be fumigated, if necessary, to eradicate or prevent insect infestation.

(d) *Tagging.* The seed shall be labelled in accordance with the requirements of the Federal Seed Act for interstate seed shipments.

§ 274.105 *Eligible storage.* (a) Eligible storage shall consist of storage made available by warehousemen, seed dealers, cooperative associations, and others having adequate facilities for handling and storing seed for which a Seed Cleaning and Storage Agreement has been entered into with Commodity Credit Corporation. (Warehousemen, seed dealers, cooperative associations, and others desiring approval for their facilities should secure recommendation for approval from the local county committee and submit the recommendation to the State committee for transmittal to the CCC field office serving the area in which the warehouse is located.) A list of approved warehouses will be furnished State PMA offices and county committees, and information relating to such warehouses may be obtained from these offices.

(b) Warehouse receipts: The seed must be represented by warehouse receipts which satisfy the following requirements:

(1) Warehouse receipts must be issued in the name of the producer, must be properly endorsed in blank so as to vest title in the holder, and must be issued by an approved warehouse.

(2) Each warehouse receipt must set forth in its written terms that the seed is insured for not less than market value against the hazards of fire, lightning,

inherent explosion, windstorm, cyclone, and tornado, or in lieu of this statement, it must have stamped or printed thereon the word "Insured."

(3) Separate warehouse receipts for each lot of seed must set forth in the written or printed terms the kind or variety of seed, the lot identity or number, the number of bags, the gross and net weight, and such other information as is required to determine the quantity of seed.

§ 274.106 *Approved forms.* The approved forms, Purchase Agreement (Commodity Purchase 1) Purchase Agreement Settlement (Commodity Purchase 4), and such other forms as the Director, Grain Branch, PMA, may prescribe, constitute the purchase documents which, together with the provisions of this bulletin, govern the rights and responsibilities of the producer and CCC, and should be read carefully. All forms may be obtained from county committees in areas where purchase agreements are available or from field offices of CCC. Any fraudulent representation made by a producer in obtaining a purchase agreement, or in executing any of the documents, will render him subject to prosecution under the United States Criminal Code. Purchase agreements executed by an administrator, executor, or trustee will be acceptable only where legally valid. Purchase agreements must be dated prior to March 1, 1948.

§ 274.107 *Determination of quantity.* The quantity of seed delivered shall be the net weight of seed specified on the warehouse receipt.

§ 274.108 *Determination of quality.* The county committee will determine the eligibility of the seed tendered on the basis of official purity and germination tests of a representative sample. An "official test" shall be an analysis made by a Federal or State Seed Testing Laboratory, where such facilities are available, or, in the absence of such facilities, a seed testing laboratory approved by the State committee. Not more than five (5) calendar months shall have elapsed since the last day of the month in which the germination test was completed. A representative sample for determination of quality shall be a sample taken by a licensed State inspector, or where such services are not provided, the county agricultural conservation committee shall arrange for the securing of a representative sample which shall consist of equal portions taken from evenly distributed parts of the lot of bagged seed to be sampled. In quantities of 5 bags or less, each bag shall be sampled; in quantities of more than 5 bags, at least every fifth bag but not less than 5 bags shall be sampled. A probe or trier shall be used in drawing samples.

§ 274.109 *Service fees.* The producer shall pay a preliminary service fee of $1.50 at the time he enters into a purchase agreement and an additional service fee of one cent per 100 pounds of seed in excess of 15,000 pounds when delivered to CCC.

§ 274.110 *Liens.* Any seed delivered pursuant to a purchase agreement must be free and clear of all liens and encumbrances, or if liens or encumbrances exist on the seed, proper waivers must be obtained.

§ 274.111 *Set-offs.* A producer who is listed on the county debt register as indebted to the United States or any agency thereof shall designate the agency or corporation to which he is indebted as the payee of the proceeds of the purchase agreement to the extent of such indebtedness but not to exceed that portion of the proceeds remaining after deduction of the service fees and amounts due prior lienholders. Indebtedness owing to CCC shall be given first consideration after claims of prior lienholders.

§ 274.112 *Assignment of the purchase agreement.* The producer may not assign the purchase agreement.

§ 274.113 *Schedule of purchase prices and specifications.* The purchase price for the seed shall be computed on the net weight of the seed, and in accordance with the applicable schedule shown below:

(a) *Table I—Winter cover crop seeds:*

(1) Kind of seed ..... Common ryegrass.
(2) Basic price per pound [1] $0.06
(3) Basic price requirements: *Percent*
Germination [2] 90
Purity 99
Total weed not to exceed 1
Other crop seed permitted.[3]
(4) Discount per cwt. applicable for each percent below the basic price requirements for:
Germination [2] $0.10
Purity ..... .10
(5) Minimum eligibility requirements: *Percent*
Germination [2] 75
Purity 95
Total weed not to exceed 1
Other crop seed permitted.[3]

[1] The price of common ryegrass seed shall be one cent higher when produced east of the Rocky Mountains.
[2] Live seed including hard seed.
[3] No requirements specified for this item. However, the purity requirement for ryegrass must be met in order for seed to be eligible for purchase.

(b) *Table II—Hay and pasture seeds:*

Kind of seed	Basic specifications		Price	Maximum weed seed	Maximum other crop seed	Minimum pure seed	Minimum germination [1]	Percentage discount in price for specified percentage below basic specifications			
								Pure seed		Germination [1]	
	Pure seed	Germination [1]						Percentage below	Percentage discount	Percentage below	Percentage discount
	Percent	*Percent*	*Cents*	*Percent*	*Percent*	*Percent*	*Percent*				
Alfalfa:											
Northern [2]	98	90	25	1	[3] 3	97	85	1	3	5	7
Central [4] [5]	98	90	20	1	[3] 3	97	85	1	3	5	7
Southern [6]	98	90	17	1	[3] 3	97	85	1	3	5	7

[1] Percentage of germination includes hard seed.
[2] The Northern Region includes all producing areas north of the southern boundaries of Oregon, Idaho, Wyoming, Nebraska, and eastward in counties which are north of, or intersected by, the 40th degree of latitude.
[3] Not more than two percent sweet clover.
[4] Including Oklahoma approved seed.
[5] The Central Region includes all the producing areas south of the Northern Region and north of the 37th degree of latitude (excluding California north of the 37th degree of latitude except the counties of Tehama, Plumas, and those counties north of the 40th degree of latitude, but including all counties south of the 37th degree of latitude in Nevada, Missouri, Kentucky and Virginia). Approved origin alfalfa seed in Oklahoma tagged and sealed with the official tags and seals of the Oklahoma Crop Improvement association will be at the rates specified for the Central Region.
[6] The Southern Region includes all the producing areas south of the Central Region.

§ 274.114 *Delivery.* The producer who signs a Purchase Agreement (Commodity Purchase 1) shall not be obligated to deliver any specified quantity of seed to CCC. If the producer who signs a purchase agreement desires to sell seed to CCC, he shall, during the month of May 1948, submit to the county committee warehouse receipts representing seed stored in an approved warehouse; or, in case of seed not located in an approved warehouse, he shall notify the county committee of his intention to sell, and request delivery instructions. The producer must then complete delivery within the 15-day period immediately following the date the county committee issues delivery instructions, unless the county committee determines more time is needed for delivery. Delivery shall be made to approved warehouses as directed by the county committee. Subject to the provisions for set-offs in § 274.111, the producer shall direct to whom payment of the purchase price will be made.

§ 274.115 *Storage and handling charges.* Commodity Credit Corporation will not pay or assume any of the costs of cleaning, bags and bagging, sampling, testing and analysis reports, tagging, or other handling or processing expenses which are necessary to prepare the seed to meet eligibility requirements, or storage charges accruing prior to May 1, 1948, or the date of the warehouse receipt, whichever is later, except that CCC will assume the warehouse receiving charge of the warehouse where the seed is delivered.

§ 274.116 *Field offices of Commodity Credit Corporation.* The field offices of Commodity Credit Corporation and the areas served by each are shown below:

Address of Director and Area	
625 S. Wabash Ave., Chicago 5, Ill.	Connecticut, Delaware, Illinois, Indiana, Iowa Kentucky, Maryland, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, West Virginia.

Address of Director and Area—Continued

300 Interstate Bldg., 418 E. 13th St., Kansas City 8, Mo.	Alabama, Arkansas, Colorado, Florida, Kansas, Louisiana, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, South Carolina, Texas, Wyoming.
326 McKnight Bldg., Minneapolis 1, Minn.	Minnesota, Montana, North Dakota, South Dakota, Wisconsin.
Eastern Outfitting Bldg., 515 SW. 10th St., Portland 5, Oreg.	Arizona, California, Idaho, Nevada, Oregon, Utah, Washington.

Dates program announced: May 29, 1947, and October 2, 1947.

[SEAL] DAVE DAVIDSON,
Acting President,
Commodity Credit Corporation.

DECEMBER 1, 1947.

[F. R. Doc. 47-10692; Filed, Dec. 4, 1947; 8:49 a. m.]

TITLE 5—ADMINISTRATIVE PERSONNEL

Chapter I—Civil Service Commission

PART 6—EXCEPTIONS FROM THE COMPETITIVE SERVICE

FEDERAL POWER COMMISSION

Correction

In F. R. Doc. 47-9917, appearing at page 7156 of the issue of Wednesday, Nov. 5, 1947, § 6.4 (b) (10) (ii) (page 7181) should read as follows:

(ii) A Chief Engineer.

TITLE 7—AGRICULTURE

Chapter VII—Production and Marketing Administration (Agricultural Adjustment)

PART 701—AGRICULTURAL CONSERVATION PROGRAM BULLETIN

SUBPART—1948; COLORADO

[1] This section contains the provisions of the 1948 Agricultural Conservation Program for the State of Colorado. Payments will be made for participation in the program in accordance with the provisions of this section and such modifications as may hereafter be made.

§ 701.944 *Colorado*—(a) *Purpose of program.* The broad purpose of the Agricultural Conservation Program is to assist farmers to maintain and improve the Nation's soil and water resources. It operates as a Government-farmer partnership with both parties sharing the cost of practices that prevent soil destruction and restore fertility to depleted soil and obtain better utilization of water resources. Since the strength of the Nation depends directly on its soil resources, all its people are concerned with building and maintaining soil fertility. Payments may be earned under the program only by carrying out approved practices. These payments represent the national interest in the care of our basic resource.

The returns from the cooperation of Government and farmer in building and maintaining the soil and in promoting more efficient use of water are abundant production of food and fiber for ourselves and for future generations. These practices result in higher yields and at the same time maintain or increase the productive capacity of the soil. There is profit for both the individual farmer and the Nation in conservation farming.

There is need to build soil fertility by putting more of it on deposit each year than we use up to produce an abundance of food.

(b) *How the program works.* Any agricultural producer in a county may participate in the Agricultural Conservation Program by filing a farm worksheet or request for prior approval of conservation practices which must be approved by the county agricultural conservation committee. The approved farm worksheet will show the conservation practices which may be performed for credit and the total amount of payment which may be earned under the program on the producer's farm, or in those counties designated by the State committee to use the plan of prior approval, each practice will be approved individually by the county committee.

A county committeeman or the producer's community committeeman will consult with the producer, advise him on how the program can be of greatest assistance to him, and help him fill out the worksheet. The farm worksheet should be filled out before spring operations and must be signed and filed with the county committee not later than May 1, 1948. The State committee may accept a farm worksheet filed after the closing date in any case where the failure to timely file was not the fault of the producer.

(1) *Distribution of funds.* Each State will receive its share of funds appropriated for 1947 payments to producers who carry out approved conservation practices. The State funds will be apportioned among the counties in the State on the basis of conservation needs.

(2) *Farm allowance.* For the purpose of limiting payments to available funds, a limit on expenditures will be established by the State committee. The county committee will divide the available funds on the basis of the farms' needs and the county allocation of funds. Each producer will be notified of the allowance thus established for his farm and of the extent of each conservation practice approved except in those counties approved by the State committee for use of the prior approval plan, the county committee will divide the available funds among the practices selected by the county committee from the State and National Bulletin as applicable to the county. The sum of the original farm allowances for all farms shall not exceed the amount of funds allocated to the county, but the sum of the approved practice values may exceed such fund. Farm allowances may be adjusted by transferring unearned funds to farms for which practices approved by the county committee are performed to an extent which exceeds the allowance originally established for such practices.

(3) *Selection of practices.* (i) The county committee shall select from the approved State practices, which are listed in paragraph (m) of this section, those practices for which payment will be offered in the county. The county committee with the approval of the State committee may approve rates of payment lower than those approved in paragraph (m) of this section. The county committee shall select practices for which there is a definite need and which would not be carried out in the desired volume in the county without the encouragement of practice payments.

(ii) In addition to the regular conservation practices selected, the county committee may recommend a practice which is not included in the National Bulletin to meet a local conservation problem.

(iii) The farm operator shall, with the assistance of a committeeman, select from the list of practices offered in the county those practices needed on his farm which he intends to perform in 1948. Those practices will be entered on the farm worksheet or the request for prior approval.

(iv) The county committee will review the practices entered on the farm worksheet and will indicate thereon the extent of the practices approved for payment and the farm allowance which may be earned in 1948 by the performance of practices approved by the committee. Changes in the farm worksheet or the request for prior approval may be made with the approval of the county committee at any time during the program year.

(v) The county committee may select from the 1948 National Bulletin, with the approval of the State committee, one special practice which is included in the National Bulletin but not included in this section.

(4) *Pooling agreements.* Producers in any local area may agree in writing on Form ACP-153, with the approval of the county and State committees, to perform designated amounts of practices necessary to conserve the agricultural resources of the community.

(5) *Practices carried out with State or Federal aid.* The extent of any practice shall not be reduced because it is carried out with materials or services furnished by the Agricultural Conservation Programs Branch (hereinafter referred to as the ACP Branch) or by any agency of a State to another agency of the same State. In other cases of State or Federal aid, the total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency.

(6) *Furnishing evidence of practices carried out.* The operator shall furnish the county committee acceptable evidence that a practice has been carried out. Analysis tags, invoices, sales slips, or other acceptable evidence of purchase and quality shall be required by the county committee for practices involving the application of materials, grass or legume seedings and chemicals used for

weed control or for any practice where the rate of payment for the practice is expressed as a percentage of cost.

(c) *Conservation materials and services.* Liming materials, phosphate, other farming materials, or services, may be furnished by the ACP Branch to producers for carrying out approved practices. Materials or services may not be furnished to producers who are on the Register of Indebtedness except in those cases where the agency to which the debt is owed notifies the ACP Branch that it temporarily waives its rights for set-off in order to permit the furnishing of materials and services. The title to such materials shall vest in the ACP Branch until the material is applied or all charges for the material are satisfied.

Wherever materials or services are furnished, a deduction therefor shall be made in an amount determined by the ACP Branch. If the producer misuses any such material or services, an additional deduction for the materials or services misused equal to the amount of the original deduction for the material or services shall be made. The deduction for materials or services shall be made from any payment to the person who obtained the materials or services, but if the amount of the materials or services exceeds the amount of payment for the producer, the amount of the difference shall be paid by the producer to the Treasurer of the United States.

(d) *Division of payments.* The payment earned in carrying out practices with conservation materials or services furnished by the ACP Branch shall be credited to the producer to whom the materials or services were furnished.

The payment earned in carrying out other practices shall be paid to the producer who carried out the practices. If more than one producer contributed to the carrying out of practices, the payment shall be divided in the proportion that the county committee determines the producers contributed to the carrying out of the practices. In making this determination, the county committee shall take into consideration the value of the labor, equipment, or material contributed by each producer toward the carrying out of each practice on a particular acreage, assuming that each contributed equally unless it is established to the satisfaction of the county committee that their respective contributions thereto were not in equal proportion.

The furnishing of land will not be considered as a contribution to the carrying out of any practice.

(e) *Increase in small payments.* The payment computed for any person with respect to any farm shall be increased as follows:

(1) Any payment amounting to $0.71 or less shall be increased to $1.00.

(2) Any payment amounting to more than $0.71, but less than $1.00, shall be increased by 40 percent.

(3) Any payment amounting to $1.00 or more shall be increased in accordance with the following schedule:

Amount of payment computed:	*Increase in payment*
$1.00 to $1.99	$0.40
$2.00 to $2.99	.80
$3.00 to $3.99	1.20
$4.00 to $4.99	$1.60
$5.00 to $5.99	2.00
$6.00 to $6.99	2.40
$7.00 to $7.99	2.80
$8.00 to $8.99	3.20
$9.00 to $9.99	3.60
$10.00 to $10.99	4.00
$11.00 to $11.99	4.40
$12.00 to $12.99	4.80
$13.00 to $13.99	5.20
$14.00 to $14.99	5.60
$15.00 to $15.99	6.00
$16.00 to $16.99	6.40
$17.00 to $17.99	6.80
$18.00 to $18.99	7.20
$19.00 to $19.99	7.60
$20.00 to $20.99	8.00
$21.00 to $21.99	8.20
$22.00 to $22.99	8.40
$23.00 to $23.99	8.60
$24.00 to $24.99	8.80
$25.00 to $25.99	9.00
$26.00 to $26.99	9.20
$27.00 to $27.99	9.40
$28.00 to $28.99	9.60
$29.00 to $29.99	9.80
$30.00 to $30.99	10.00
$31.00 to $31.99	10.20
$32.00 to $32.99	10.40
$33.00 to $33.99	10.60
$34.00 to $34.99	10.80
$35.00 to $35.99	11.00
$36.00 to $36.99	11.20
$37.00 to $37.99	11.40
$38.00 to $38.99	11.60
$39.00 to $39.99	11.80
$40.00 to $40.99	12.00
$41.00 to $41.99	12.10
$42.00 to $42.99	12.20
$43.00 to $43.99	12.30
$44.00 to $44.99	12.40
$45.00 to $45.99	12.50
$46.00 to $46.99	12.60
$47.00 to $47.99	12.70
$48.00 to $48.99	12.80
$49.00 to $49.99	12.90
$50.00 to $50.99	13.00
$51.00 to $51.99	13.10
$52.00 to $52.99	13.20
$53.00 to $53.99	13.30
$54.00 to $54.99	13.40
$55.00 to $55.99	13.50
$56.00 to $56.99	13.60
$57.00 to $57.99	13.70
$58.00 to $58.99	13.80
$59.00 to $59.99	13.90
$60.00 to $185.99	14.00
$186.00 to $199.99	(1)
$200.00 and over	(2)

(1) Increase to $200.
(2) No increase.

(f) *Payments limited to $500.* The total of all payments made in connection with the 1948 program to any person with respect to farms, ranching units, and turpentine places in the United States (including Alaska, Hawaii, Puerto Rico, and the Virgin Islands) shall not exceed the sum of $500.

All or any part of any payment which has been or otherwise would be made to any person under the 1948 program may be withheld or required to be refunded if he has adopted or participated in adopting any scheme or device designed to evade, or which has the effect of evading, the provisions of this paragraph.

(g) *Failure to maintain practices under previous programs.* If the county committee determines that any conservation practice carried out under previous agricultural conservation programs is not maintained in accordance with good farming practices, or the effectiveness of any such practice is destroyed during the 1948 program year, a deduction shall be made for the extent of the practice destroyed or not maintained. The deduction rate shall be the 1948 practice rate or, if the practice is not offered in 1948, the practice rate in effect during the year the practice was performed. The deduction shall be made from the payment of the person responsible for destroying or not maintaining the practice after the payment has been increased in accordance with the provisions of paragraph (e) of this section.

(h) *General provisions relating to payments*—(1) *Practices defeating purposes of programs.* If the State committee finds that any producer has adopted or participated in any practice which tends to defeat the purposes of the 1948 or previous programs, it may withhold or require to be refunded all or any part of any payment which has been or would be computed for such person under the 1948 program.

(2) *Failure to carry out approved erosion control measures.* Payment will not be made to any person with respect to any farm which he owns or operates in a county if the county committee finds that he has been negligent and careless in his farming operations by failing to carry out approved erosion-control measures on land under his control to the extent that any part of such land has become an erosion hazard during the 1948 program year to other land in the community.

(3) *Depriving others of payment.* If the State committee finds any person has employed any scheme or device (including coercion, fraud, or misrepresentation) the effect of which would be or has been to deprive any other person of any payment under the program, it may withhold, in whole or in part, from the person participating in or employing such a scheme or device, or require him to refund in whole or in part, the amount of any payment which has been or would otherwise be made to him in connection with the 1948 program.

(4) *Payment computed and made without regard to claims.* Any payment or share of payment shall be computed and made without regard to questions of title under State law; without deduction of claims for advances except as provided in subparagraph (5) of this paragraph, and except for indebtedness to the United States subject to set-off under orders issued by the Secretary; and without regard to any claim or lien against any crop, or proceeds thereof, in favor of the owner or any other creditor.

(5) *Assignments.* Any person who may be entitled to any payment in connection with the 1948 program may assign his payment in whole or in part as security for cash loaned or advances made for the purposes of financing the making of a crop in 1948. No assignment will be recognized unless it is made in writing on Form ACP-69 and in accordance with the instructions in ACP-70.

(i) *Applications for payment*—(1) *Persons eligible to file applications.* An application for payment with respect to a farm may be made by any producer who is entitled to share in the payment determined for the farm, except where his only payment is earned with conserva-

tion materials or services furnished by the ACP Branch in such an amount that no small payment increase is due.

(2) *Time and manner of filing applications.* Payments will be made only upon application submitted on the prescribed form to the county office on or before June 30, 1949, and only to those persons who have furnished required information and filed prescribed forms in the county office within the respective time limits fixed therefor by the Director of the ACP Branch. At least 1 months' notice to the public shall be given of the expiration of the time limit for filing prescribed forms or required information. Such notice shall be given by the State committee by mailing notice to the office of each county committee and making copies available to the press.

(j) *Appeals.* Any producer may, within 15 days after notice thereof is forwarded to or made available to him, request the county committee in writing to reconsider its recommendation or determination in any matter affecting the right to or the amount of his payment with respect to the farm. The county committee shall notify him of its decision in writing within 15 days after receipt of written request for reconsideration. If the producer is dissatisfied with the decision of the county committee, he may, within 15 days after the decision is forwarded to or made available to him, appeal in writing to the State committee. The State committee shall notify him of its decision in writing within 30 days after the submission of the appeal. If he is dissatisfied with the decision of the State committee, he may, within 15 days after its decision is forwarded to or made available to him, request the Director of the ACP Branch to review the decision of the State committee.

Written notice of any decision rendered under this section by the county or State committees shall also be issued to each other producer on the farm who may be adversely affected by the decision.

(k) *Definitions.* (1) "Secretary" means the Secretary of Agriculture of the United States Department of Agriculture.

(2) "Director" means the Director of the Agricultural Conservation Programs Branch, Production and Marketing Administration.

(3) "State committee" means the group of persons designated within any State to assist in the administration of the Agricultural Conservation Program in that State.

(4) "County committee" means the group of persons elected within any county to assist in the administration of the Agricultural Conservation Program in that county.

(5) "Person" means an individual, partnership, association, corporation, estate or trust, or other business enterprise or legal entity, and wherever applicable, a State or political subdivision of a State or any agency thereof.

(6) "Producer" means any person who as landlord, tenant or share cropper, participates in the operation of a farm.

(7) "Farm" means all adjacent or nearby farm or range land under the same ownership which is operated by one person, including also (i) any other adjacent or nearby farm or range land which the county committee, in accordance with instructions issued by the ACP Branch, determines is operated by the same person as part of the same unit in producing range livestock or with respect to rotation of crops, and with workstock, farm machinery, and labor substantially separate from that for any other lands; and (ii) any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(8) "Cropland" means farm land which in 1946 was tilled or was in regular rotation, including any land broken out in 1947 which the county committee determines is suitable to the continuing cultivation of crops but excluding any land which constitutes or will constitute, if such tillage is continued, a wind erosion hazard to the community, and excluding also any land in commercial orchards.

(9) "Commercial orchards" means the acreage on the farm in planted or cultivated fruit trees, nut trees, vineyards, hops, or bush fruits (excluding nonbearing orchards and vineyards), from which the major portion of the production is normally sold.

(l) *Authority, availability of funds, and applicability*—(1) *Authority.* The program contained in this section is based upon, and is subject to, the provisions of the 1948 National Agricultural Conservation Program Bulletin, which was issued by the Secretary of Agriculture October 6, 1947, and published in the FEDERAL REGISTER October 10, 1947 (12 F. R. 6679), pursuant to the authority vested in him under sections 7 to 17, inclusive, of the Soil Conservation and Domestic Allotment Act, as amended (49 Stat. 1148, 16 U. S. C. and Sup. 590g to 590q; Public Law 546, 79th Congress; Public Laws 249, 266, 80th Congress).

(2) *Availability of funds.* The provisions of the 1948 program are necessarily subject to such legislation as the Congress of the United States may hereafter enact; the making of the payments herein provided is contingent upon such appropriation as the Congress may hereafter provide for such purposes; and the amounts of such payments will necessarily be within the limits finally determined by such appropriation.

The funds provided for the 1948 program will not be available for payment of applications filed in the county office after December 31, 1949.

(3) *Applicability.* The provisions of the 1948 program contained herein are not applicable to (i) any department or bureau of the United States Government or any corporation wholly owned by the United States; and (ii) grazing lands owned by the United States which were acquired or reserved for conservation purposes or which are to be retained permanently under Government ownership, including, but not limited to, grazing lands administered under the Taylor Grazing Act by the Bureau of Land Management or the Fish and Wildlife Service of the United States Department of the Interior, or by the Forest Service or the Soil Conservation Service of the United States Department of Agriculture.

The program is applicable to (i) privately owned lands; (ii) lands owned by a State or political subdivision or agency thereof; (iii) lands owned by corporations which are partly owned by the United States, such as Federal Land Banks and Production Credit Associations; (iv) lands temporarily owned by the United States or a corporation wholly owned by it, which were not acquired or reserved for conservation purposes, including lands administered by the Farmers Home Administration, the Reconstruction Finance Corporation, the Home Owners' Loan Corporation, the Federal Farm Mortgage Corporation, the Departments composing the National Military Establishment, or by any other Government agency designated by the ACP Branch; (v) any cropland farmed by private persons which is owned by the United States or a corporation wholly owned by it; and (vi) Indian lands, except that where grazing operations are carried out on Indian lands administered by the Department of the Interior, such lands are within the scope of the program only if covered by a written agreement approved by the Department of the Interior giving the operator an interest in the grazing and forage growing on the land and a right to occupy the land in order to carry out the grazing operations.

(m) *Conservation practices.* Prior approval of the county committee is required for all practices. In the following list of conservation practices it will be noted that there are omissions in the numerical sequence of the listing. Numbers that have been omitted cover practices which are either not applicable to Colorado in general or have been omitted from the 1948 Program.

(1) *Application of fertilizers and other materials*—(i) *Practice A-2; phosphate (excluding rock phosphate and basic slag) applicability.* Phosphate, alone or in mixed fertilizers, when used on the following crops: Permanent pasture, excluding small grains; hay crops, excluding small grains, Sudan-grass and sorghums; green manure or cover crops in orchards; winter cover crops, excluding small grains seeded alone; new seedings of grasses or legumes, excluding small grains, 1947 seedings of small grain which are overseeded with a grass or legume in the spring of 1948; or to any crop (phosphate alone, not in a mixed fertilizer) when mixed with barnyard manure in the stables or on dropping boards as the manure accumulates.

Payment rate: $0.03 per pound of available P_2O_5.

(2) *Green manure and cover crops*—(i) *Practice B-4; winter cover grains; applicability.* Unprotected cropland and orchard land.

Payment will be made for establishing on land subject to wind and water erosion, a stand of winter grains, excluding volunteer stands, during the winter of 1947-48. The stand of winter grains must be sufficient to prevent erosion.

The winter grain crop shall not be harvested for grain or hay. On cropland it must be turned under and followed by a planted crop to be harvested in 1948.

Payment rate: $1.50 per acre.

(ii) *Practice B-5, clover turned under as green manure; applicability.* Irrigated cropland and orchard land.

Payment will be made for a good stand and a good growth of red or sweet clover turned under as a green manure in the late spring or in the fall. If turned under in the fall on land subject to erosion, this practice will qualify only if followed by a fall sown crop.

Payment rate: $1.50 per acre.

(3) *Erosion control and water conservation practices*—(i) *Practice D-1, terracing; applicability.* Farmland. Payment will be computed on the size of the cross section of that part of the settled fill above the original ground level. No cross section in excess of the minimum specifications approved by the county committee will be approved for payment. This practice is applicable only on land having an average slope in excess of one-half of one percent. Additional specifications will be provided by the State committee and the county committee.

Payment rates: (*a*) $1.20 per 100 linear feet for a terrace having an average cross section of at least 7.5 square feet but less than 11 square feet.

(*b*) $1.50 per 100 linear feet for a terrace having an average cross section of at least 11 square feet but less than 13.5 square feet.

(*c*) $2.00 per 100 linear feet for a terrace having an average cross section of 13.5 square feet or more.

(ii) *Practice D-2; contour farming intertilled crops; applicability.* Cropland.

All major farming operations shall be performed parallel to base contour lines or terraces. Base contour lines shall be established and shall be spaced at intervals not to exceed 30 rods horizontal or 8 feet vertical. A crop stubble or crop residue must be left standing over winter, or a winter cover crop established, or protective tillage operations carried out.

Payment rate: $1.50 per acre.

(iii) *Practice D-3; contour farming close drilled crops; applicability.* Cropland.

Payment will be made for each acre of small grain crops, sorghums, millet, or peas farmed parallel to established base contour lines or terraces. Base contour lines shall be spaced at intervals not to exceed 30 rods horizontal or 8 feet vertical. All farming operations except harvesting must be performed on the contour.

Payment rate: $0.75 per acre.

(iv) *Practice D-4, establishing contour stripcropping; applicability.* Cropland subject to water erosion: Establishing alternate strips of intertilled crops or summer fallow and protective crops on the contour. Any strips shall not be more than double the width of the adjacent strip. There must be at least four strips in each field stripcropped for payment including two strips of protective crop and two strips of protected crop. No strip shall be less than 2 rods wide.

The protective strips shall consist of one or more of the following crops: Legumes, perennial grasses, small grains, sorghums, millet, broom corn, Sudan grass, or corn: *Provided,* That corn may be used as a protective crop only if it is stripcropped with beans. The protective effect of the stripcropping must be maintained. If necessary, additional protective measures must be carried out. No payment will be made for this practice on any acreage for which payment is made under subdivision (ii) of this subparagraph (Practice D-2, Contour farming intertilled crops) or subdivision (iii) of this subparagraph (Practice D-3, Contour farming close drilled crops)

Payment rates: (*a*) $3.00 per acre, maximum width of strips 10 rods.

(*b*) $1.50 per acre, maximum width of strips 20 rods.

(v) *Practice D-5; stripcropping not on the contour; applicability.* Non-irrigated cropland.

The protective strips must be at least as wide as the protected strip and credit will not be given on the acreage of that portion of the protective strip in excess of twice the width of the protected strip. The protective effect of stripcropping must be maintained through the winter of 1948-49. No payment under this practice on any acreage in a stripcropping system for which a payment for establishment or maintenance has been made in previous years. If necessary, additional protective measures must be carried out.

Two or more strips of corn or fallow not more than 15 rods in width, nor less than 6 feet in width, or beans or potatoes not more than 10 rods in width nor less than 6 feet in width, protected by two or more strips of intertilled sorghums or strips of close grown crops will qualify.

Two or more strips of beans, 6 rods or less in width, may be protected by strips of corn, provided the stalks of corn are left on the land through the winter of 1948-49.

No credit will be given under this practice for any acreage for which payment is made under subdivision (viii) of this subparagraph (Practice D-8, Crop residue management) or subdivision (xvii) of this subparagraph (Practice D-18, Leaving stalks of sorghums, broom corn, Sudan grass, and millet.)

Payment rates: (*a*) $0.50 per acre where strips are over 10 rods in width.

(*b*) $0.75 per acre where strips are 10 rods or less in width.

(vi) *Practice D-6; contour furrowing, chiseling, or listing of grazing lands; applicability.* Grazing land. Listing or furrowing shall be on the contour and lists or furrows must have a minimum cross-sectional area of not less than 32 square inches. A series of two or more operations having an aggregate cross-sectional area of 32 square inches may be used in lieu of a single furrow. Contour chiseling to a depth of 8 inches may be used in lieu of a furrow. The purpose of this practice is to check run-off, increase moisture penetration, and promote reseeding.

Payment rate: 25 cents per 1,000 linear feet, not to exceed 75 cents per acre.

(vii) *Practice D-7 deep subsoiling of cropland, applicability.* Cropland. Payment will be made for subsoiling, with an implement approved by the county committee to a depth that will effectively shatter the hardpan. The subsoiler must run in the hardpan layer. This practice may not be performed on the same land on which a similar practice was performed in 1947, except in instances where the county committee may determine it to be necessary as a wind erosion control measure. No payment will be made for this practice when carried out on protected summer fallowed acreage or as a part of a seeding operation. This practice shall be carried out as a single operation.

Payment rates: (*a*) $2.00 per acre for subsoiling irrigated cropland to a depth of at least 18 inches with spacing between furrows not in excess of 4 feet.

(*b*) $1.00 per acre for subsoiling irrigated cropland to a depth of not less than 14 inches with spacing between furrows not in excess of 4 feet.

(*c*) $0.75 per acre for subsoiling irrigated or non-irrigated cropland to a depth of not less than 12 inches with spacing between furrows not in excess of 7 feet.

(viii) *Practice D-8; crop residue management; applicability.* Cropland.

Payment will be made for the conservation of moisture, protection of land from wind and water erosion, control of weeds, and the control of insects by cultivating a heavy growth of small grain stubble before September 15, 1948, or not more than 30 days after harvest of the small grain crop, whichever is later. An implement must be used which will leave 50 percent or more of the stubble on the surface during the winter. No payment will be made for this practice if the area is planted to a fall sown crop in 1948.

Payment rate: $0.40 per acre.

(ix) *Practice D-9; protective tillage; applicability.* Cropland.

Payment will be made for protecting land summer fallowed in 1948 against wind and water erosion by contour listing, contour chiseling, basin listing, pit cultivation, emergency listing, or chiseling at opposite direction to the prevailing wind. Protection must be maintained throughout fallow period.

Payment rate: $0.60 per acre.

(x) *Practice D-10; blank listing, subsoiling or chiseling on the contour, or at opposite direction to the prevailing wind, or pit cultivation; applicability.* Cropland. Payment will be made for each acre of unprotected cropland which is listed, subsoiled, or chiseled on the contour, or emergency listing or chiseling at opposite direction to the prevailing wind on soil types designated by the county committee as a protection against wind erosion, except when carried out as a part of a seeding operation, or on protected summer fallow. The lister furrows must not be less than 8 inches wide and 4 inches deep and not more than 4 feet apart. The subsoiling or chiseling furrows shall be spaced not in excess of seven feet. Pits of smaller size than the above lister furrows will be acceptable, provided they are spaced sufficiently close and are of sufficient depth to control

wind erosion. This practice must be maintained and payment will not be made for more than one operation. This practice will not be approved in the spring of 1948 on land on which Practices D-10, Blank listing on the contour or at right angles to the prevailing winds, or pit cultivation, or D-18, Leaving stalks of sorghums, broom corn, Sudan grass and millet, were performed for credit in the fall of 1947.

Payment rate: $0.30 per acre.

(xi) *Practice D-11, establishment of sod waterways; applicability.* Cultivated orchards and cropland.

Payment will be made for permanent sod waterways established in 1948 or where the county committee determines that an old waterway needs reshaping, reseeding, or resodding in cultivated orchards or on cropland where it is necessary to complete the establishment of a permanent vegetative cover in a waterway, channel, or terrace outlet. Payment for waterways established under (b) below by lifting farm implements when breaking out sod or hayland is limited to the first year on the field. The protected waterway must be sufficiently wide at all points to prevent water erosion, but payment will be limited to a maximum average width of 50 feet. No waterway will be approved with an average width of less than 15 feet. Seedings made in establishing permanent sod waterways shall be at the rate of at least 10 pounds per acre on dry land and 20 pounds per acre on irrigated land, and shall contain not less than 50 percent of adapted sod-forming perennial grasses with the balance in other perennial grasses and adapted legumes. The stand must be established before payment can be made.

The planting of sod pieces of perennial grasses or sedges cut at least 4 inches thick and 4 inches across may be approved for credit under this practice. Sod pieces must be laid in solid rows across the waterway, with rows not more than 4 feet apart. No payment will be made for a waterway for which payment was made under a previous program except where due to conditions beyond the control of the operator, it becomes necessary to reshape the waterway and reestablish the vegetative cover.

Payment rates: (a) $0.75 per 1,000 square feet for waterways established by shaping, seeding, or sodding.

(b) $0.25 per 1,000 square feet for waterways established by lifting farm implements when breaking out sod or hayland.

(c) $0.08 per cubic yard of material moved with dirt-moving equipment in reshaping and refilling. Applicable only where payment is earned under subdivision (a) above.

(xii) *Practice D-12; construction or enlargement of drainage ditches; applicability.* Farmland.

Payment will be made for the construction or enlargement of open drainage ditches with a minimum depth of 2 feet and a top width as approved by the county committee. Less than 100 linear feet of ditching will not qualify for this practice. Cleaning out of ditches positively will not qualify.

Payment rate: $0.08 per cubic yard, not to exceed $8.00 per 100 linear feet.

(xiii) *Practice D-13; tile drainage; applicability.* Farmland.

Payment will be made for tile, not less than 4 inches in diameter which is laid below the depth of tillage and on a grade which will properly drain farmland. Tile used with a diameter larger than 8 inches may be paid for at the 8-inch rate.

Payment rates: (a) $0.08 per linear foot for 4-inch tile.

(b) $0.10 per linear foot for 6-inch tile.

(c) $0.15 per linear foot for 8-inch or larger tile.

(xiv) *Practice D-14; reorganization of farm irrigation systems.* Prior approval of the county committee is required for the practice on all units. Payment will be made for the reorganization of the general farm irrigation system in order to conserve water and prevent erosion by carrying out any of the following practices in accordance with a comprehensive irrigation improvement plan developed for the farm, which shall include materials required, approximate cost, and the location of the development. This plan shall be filed in the county office and shall be projected to show year by year improvements and shall include an estimate of the total yardage to be moved and the materials required.

Payment will be made when the practices are performed to control erosion, prevent seepage, control the use of irrigation water, or prevent failure of the farm irrigation system from floods. Repairs and replacement of existing structures will not qualify.

(a) *Construction or enlargement of permanent ditches or dikes; applicability.* Cropland, orchard land, and meadowland.

The construction or enlargement of permanent ditches or dikes shall be in accordance with specifications approved by the county committee. Routine cleaning of ditches will not be approved.

Payment rate: $0.08 per cubic yard, not to exceed $8.00 per 100 linear feet.

(b) *Construction of reservoirs*—(1) *Head stabilization reservoirs; applicability.* Farm land.

Head stabilization reservoirs with a controlled inlet shall be built with side slopes not steeper than 2 to 1, freeboard not less than 18 inches, and a top width not less than 3 feet. Head stabilization reservoirs without a controlled inlet shall be built to the same specifications outlined under Practice E-2-a, Dams, subparagraph (4) (ii) of this paragraph.

Payment rates: (i) $0.08 per cubic yard of earth moved.

(ii) 50 percent of the cost of concrete or rubble masonry used, but not in excess of $9.00 per cubic yard of concrete or $6.00 per cubic yard of rubble masonry.

(2) *Small irrigation reservoirs; applicability.* Farmland.

Small irrigation reservoirs, with prior approval of the State committee, will qualify when built to specifications as approved by the State Engineer if 10 feet or more in height.

Payment rates: (i) $0.08 per cubic yard of earth moved.

(ii) $9.00 per cubic yard of concrete.

(iii) $6.00 per cubic yard of rubble masonry.

(c) *Land leveling; applicability.* Irrigated cropland.

Payment will be made for leveling operations which build the field to the most suitable grade for irrigation. A dirt-carrying implement shall be used. Routine floating will not qualify. This practice is not recommended on land where leveling will expose excessive areas of unproductive subsoil. No payment will be made for carrying out this practice on any acreage for which a payment for leveling has been made under a previous program.

Payment rates: (1) $0.03 per cubic yard of cut or fill, whichever is larger, not to exceed $3.00 per acre leveled with implements other than land plane.

(2) $0.03 per cubic yard, not to exceed $2.00 per acre for land planing only on land not previously leveled or land leveled in 1946 or earlier.

(d) *Lining ditches or irrigation reservoirs; applicability.* Farmland.

Payment will be made for each square yard of permanent ditches or on irrigation reservoirs lined with bentonite, oil or asphalt treated soil, or impervious clay material for the prevention of seepage or loss of water.

Payment rate: 50 percent of cost of material, not to exceed 18 cents per square yard.

(e) *Installation of siphons, pipe, flumes, tile lines, weirs, drop boxes, chutes, checks, division boxes, or the lining of permanent irrigation ditches with concrete for improvement of irrigation systems or control of drain.*

Payment rates: (1) $3.00 per cubic yard of concrete.

(2) $3.00 per cubic yard of rubble masonry construction.

(3) 50 percent of cost, not to exceed 5½ cents per board foot of lumber treated by commercial process or untreated red spruce (Douglas fir).

(4) Pipes, flumes, weirs, and diversion gates:

(i) 50 percent of cost of material not to exceed 5 cents per inch of diameter per foot of metal or fiber pipe.

(ii) 50 percent of cost of material not to exceed 3 cents per inch of diameter per foot of concrete or tile pipe.

(iii) 50 percent of cost of material not to exceed 2½ cents per inch of top diameter per foot of metal flumes.

(iv) 5 percent of cost of material not to exceed $10.00 per structure of metal weirs and metal diversion gates.

(xv) *Practice D-16; water spreading practices.* Payment will be made under this practice for the construction of dams in waterways and gullies and building spreader ditches and dikes.

(a) *Erosion control dams.* Dams for erosion control in excess of 4 feet in height shall be built to the following specifications: Side slope of 2 to 1 downstream and 3 to 1 upstream, freeboard of 3 feet and top width of 6 feet. Small dams may be used either individually or in combination with larger dams. Structures under 4 feet in height shall not be less than 18 inches in height and shall have minimum side slopes of 2 to 1. The crown shall be adequate at all points to protect the structure. The discharge outlet should divert flood water into a system of erosion control ditches and dikes and where necessary shall be pro-

tected by masonry, rock, riprap, or sodding.

Under no circumstances shall payment be made for performance of this practice unless the diverted water is spread over the area affected and its return to the flood channel is retarded sufficiently to prevent further erosion.

Payment rates: (1) $0.08 per cubic yard of earth moved.

(2) 50 percent of the average cost of concrete or rubble masonry used, but not in excess of $9.00 per cubic yard of concrete, or $6.00 per cubic yard of rubble masonry.

(3) 50 percent of the average cost of pipe delivered to the farm.

(b) *Erosion control ditches and dikes.* Erosion control ditches may be used to carry diverted water to the area over which it is to be spread and must be laid out for non-erosive velocities. The ditch shall have ample capacity to carry the diverted water, and any discharge outlet, either at the end or along the length of the ditch, where the density of the natural sod is not sufficient to spread water without erosion, shall be protected.

Payment will be made for the construction of permanent dikes according to the following specifications:

Width of ridge, minimum of 4 feet.

Height, 24 inches above channel bottom after settling.

Outlets, outlets are not required on a level dike if the ends are closed.

For graded dikes, the outlets must be placed so that the water will run out on grass, sod, or other area where washing will not occur.

Payment rate: $0.08 per cubic yard not to exceed $8.00 per 100 linear feet.

(c) *Rock and brush dams.* Structures must be keyed into the bank with wingwalls that are higher than the center of the dam, and aproned to prevent washing and undermining, and, if built in a series, should be so constructed that the top of one dam is approximately level with the base of the next dam upstream. They may be built on small live streams or intermittent streams for the purpose of spreading water and diversion of flood water in connection with spreader terraces or ditches.

Payment rate: The smaller of 50 percent of the actual cost of the project or $1.50 per cubic yard of rock used in construction of rock and brush dams.

(xvi) *Practice D-17 construction of riprap.* Payment will be made for the construction of riprap of rock, piling, cribs, headwalls, booms, and jetties by the use of one or a combination of the following materials: Rock, timber, cement, lumber, brush, sheet metal, or wire. Such structures are to be constructed either on live or intermittent streams where needed to control erosion.

Exposed surface as it applies to riprapping of banks of streams or gullies, shall be that surface of the structure exposed to the water side of the channel. Basket riprapping where porous material is placed in a properly anchored basket of wire or timber, or a combination of both, shall be deemed to have three exposed surfaces, the top and both sides, provided the bank of the stream or gully does not serve as one side of the basket, in which case only two surfaces, top and water side will apply.

Payment rates: (a) $0.50 per square yard of exposed riprap surface, or

(b) $1.50 per cubic yard of riprap material as determined by the county committee.

(xvii) *Practice D-18; leaving stalks of sorghum, broom corn, Sudan grass, and millet; applicability.* Cropland.

Payment will be made for each acre on which the stalks of sorghums, broom corn, millet, or Sudan grass are left on the land as protection against wind erosion. To qualify under this practice, the area must not be grazed or the stubble destroyed in any manner. The county committee must determine that the land needs protection from wind erosion, that the operator will have control of the land through the winter, and that his farming plan provides that such cover will be on the land until the spring of 1949. To qualify for this practice, sufficient growth must be left to adequately protect the land from wind erosion. Stubble must be at least 10 inches high. No credit will be given under this practice for any acreage for which payment is made under Practices D-4, Contour Stripcropping, or D-5, Stripcropping Not on the Contour. This practice is applicable in the following counties: Larimer, Boulder, Jefferson, El Paso, Pueblo, Huerfano, Las Animas, and all counties east thereof.

Payment rate: $0.35 per acre.

(4) *Range and pasture practices.* Payment will not be made for any of the following range or pasture practices listed in this subparagraph on any unit on which the county committee determines that the native pasture or range land is overgrazed.

Prior approval will not be given for Practices E-2, Dams and Ponds for Livestock Water; E-3, Wells; E-4, Springs and Seeps; E-7, Construction of Fences; E-12, Construction of Pipe Lines; E-13, Supplemental Water Storage for Livestock; unless the performance of such practices will bring about a better distribution of livestock on the unit.

(i) *Practice E-1, grazing land management; applicability.* Grazing land and meadowland in those counties which are organized to provide technical guidance in range management in the field. This practice will be available to a county only after State committee approval of plans submitted by the county showing how they plan to administer the practice and also that they have adequate qualified personnel to do the necessary field work. Payment will be made to only a bona fide livestock producer who timely files and carries out a management plan which is approved by the county committee, and whose unit comprises 320 acres or more of grazing land and meadowland.

Payment will be made in the amount approved by the county committee within the limitations imposed above for the conservation and improvement of grazing land and meadowland by carrying out the provisions of a range management plan as specified by the county committee. Additional specifications will be provided by the county committee.

Payment rate: The amount approved for the practice by the county committee. This amount for any unit will be based on conservation needs of the unit and will not exceed the smaller of $25.00 plus 3 cents per acre of grazing land and meadowland, or $250.00.

(ii) *Practice E-2; dams and ponds for livestock water* Payment may be made on the stakeout measurements of completed structures. Prior approval of the county committee is required for the construction or enlargement of dams or pits constructed for the purpose of developing water for storage for range livestock, built to specifications. Prior approval of the State committee is required for the enlargement of dams or pits. No payment will be made for maintenance or repair of old dams or for desilting reservoirs. This practice shall not be approved on permanently running streams and shall be located where possible to take advantage of natural spillways and minimum dam requirements to get satisfactory storage capacity.

Dams and pits must be staked out by a qualified person before construction and measurements showing the maximum height of the dam, freeboard, recommended slopes and spillway capacities, drainage area and volume of earth to be moved and other pertinent information, including location and description, must be filed with the county committee. Additional specifications will be provided by the county committee.

(a) *Dams.*

Payment rates: (1) $0.08 per cubic yard of earth moved.

(2) 50 percent of the cost of the approved material used, not to exceed $9.00 per cubic yard of concrete.

(3) 50 percent of the cost of the approved material used, not to exceed $6.00 per cubic yard of rubble masonry.

(4) 50 percent of the cost of fencing materials, pipe, seeding or sodding of the dam and filter strip.

(b) *Pits; specifications.* Where the construction of a dam is not necessary to impound water, and the topography of the land makes it possible to concentrate water in a pit or earthen tank for livestock and specifications for a dam and spillway are not applicable, payment will be made for excavating a pit or earthen tank, constructed as follows: Pits shall have a depth of at least 5 feet over a bottom area of at least 200 square feet with a slope no steeper than 2 to 1 on all sides. If earth is moved from the pit to form an embankment, no additional payment shall be allowed for such embankment.

Payment rate: $0.08 per cubic yard of earth moved.

(c) *Lining leaky reservoirs or pits; specifications.* Payment will be made for lining leaky reservoirs and pits with bentonite, oil, or asphalt-treated soil, or impervious clay material, concrete, or rubble masonry. All material shall be worked into the surface soil in sufficient quantities to effectively seal the reservoir or pit.

Payment rates: (1) 50 percent of average cost in county, not to exceed $0.18 per square yard of bentonite, oil or asphalt-treated soil, or impervious clay material.

(2) $9.00 per cubic yard of concrete.
(3) $6.00 per cubic yard of rubble masonry.

(d) *Dams for supplemental water storage; specifications.* Payment will be made for the construction of earthen reservoirs or pits that will provide supplemental water storage for range livestock. Where earthen dams are built under this practice, they must have a minimum freeboard of 18 inches and a controlled inlet. Dams may be built with slopes less than 3 to 1 on the upstream slope and 2 to 1 on the downstream slope; but must be of such substantial construction as to accomplish their desired purpose.

The water from earthen tanks must be piped to a water tank or trough. Earthen tanks must be fenced to exclude livestock. This practice is not applicable in connection with a spring or well paid for under a previous program unless the minimum storage required, as a condition of payment for that practice, has been installed and maintained.

Payment rate: $0.08 per cubic yard of earth moved.

(iii) *Practice E-3; wells.* Payment will be made for drilling or digging wells or deepening wells which are inadequate or have failed to provide water for range livestock; provided a windmill or power pump is installed and adequate water is conveyed to a storage tank or reservoir. An artesian well, regardless of the size of the casing, will be approved only under payment rate (a) of this subdivision, provided adequate stockwater is made available during the grazing season, and in this case, a mechanical lifting device will not be required.

No payment will be made for the tank or storage reservoir normally constructed in connection with this practice. Payment may be made for development of wells in supplemental pastures, for use of range livestock. Wells developed at any farm or ranch headquarters will not qualify for payment under this practice.

Payment rates: (a) $1.00 per linear foot wells with a casing less than 4 inches in diameter, but not less than 2 inches in diameter or for artesian wells.
(b) $2.00 per linear foot of well with a casing not less than 4 inches in diameter.

(iv) *Practice E-4; springs and seeps.* Payment will be made for the development of seeps or springs by excavation at the source and by making a supply of water available for livestock. The source must be protected from trampling and at least 20 cubic feet of water storage must be provided. Waste drains must be provided where necessary for the prevention of a mire. The maximum payment for a single development under this practice shall be $100. Only permanently running springs or seeps shall qualify. The repairing or enlarging of any spring or seep, for which a payment has been made under any previous program, shall not be approved for payment. No payment will be made under this practice for any storage for which payment is made under E-2, Dams and ponds, or under E-13, Supplemental water storage for livestock.

Payment rates: The larger of:
(a) $0.50 per cubic foot of excavation in rock, and
(b) $0.20 per cubic foot in gravel, or
(c) $0.00 per cubic foot of storage capacity constructed.

(v) *Practice E-5; eradication of poisonous and competitive plants; applicability.* Grazing land and pasture land.

Eradication may be by grubbing, or clean cultivation. The county committee should require seeding of the area if there is not sufficient native grass left to control erosion. Prior inspection and determination by the county committee of the area to be eradicated shall be required.

Payment rate: 50 percent of the cost of eradication, not to exceed 3 cents per square rod for eradication of the following plants: whorled milk weed, Suckleya suckleyana; larkspur, lupine, death camas, burdock, henbane, false hellebore, pingue, loco, and water hemlock.

(vi) *Practice E-6; pasture or grazing land improvement; applicability.* Grazing land, permanent pastures, and cropland.

Payment will be made for the reseeding of permanent pastures and grazing land with perennial legumes, perennial grasses, or mixtures containing perennial grasses, and/or perennial legumes, or for the establishment of permanent pastures on cropland by straight seedings of approved grasses or by seeding approved pasture mixtures containing approved perennial grasses or perennial legumes. The method and rate of seeding must be approved by the county committee. The seeded area must be protected from grazing until the seedlings are well established. Poundage credit for timothy and sweet clover will be computed at one-half the amount seeded. Alfalfa and sweet clover will qualify only in a mixture containing 75 percent or more by weight of other adapted grasses and/or legumes.

Payment rates: (a) $0.75 per pound of seed sown of: Ladino clover, white Dutch clover, strawberry clover, intermediate wheat grass, buffalo grass (clean seed), Alsike clover, Russian wild ryegrass.
(b) $0.35 per pound of seed sown of: red clover, grama grass, tall oat grass, reed canary grass.
(c) $0.20 per pound of seed sown, not to exceed $2.00 per acre of adapted grasses or legumes not qualifying at a higher rate, which are approved by the county committee.

(vii) *Practice E-7; construction of cross and drift fences; applicability.* Grazing land and pasture land.

Payment will be made for the construction of new fences only. No payment will be made for rebuilding any fences or for constructing a new fence where an old fence was located in 1946 or 1947. Fences must be serviceable and capable of turning the class of livestock to be controlled by them. Only good, sound posts and poles of durable material, and new wire may be used, except in a wire fence good used wire may be used to qualify the fence so that a partial payment may be made for the posts and any new wire which was used.

Approved barbed wire fences must have at least three strands of good quality barbed wire with posts spaced not more than 25 feet apart. Approved woven wire fences must have not less than 26 inch woven wire with two strands of good quality barbed wire and posts spaced not more than 25 feet apart. The county committee may and should require higher standards for fencing where necessary. Fences may be approved for payment only if they help to bring about better distribution of livestock on the farm or ranch. No payment will be made for construction of boundary fences or fences between grazing land and cropland.

Payment rate: 50 percent of cost of material, not to exceed $0.40 per rod for new barbed wire, new woven wire and pole fences.

(viii) *Practice E-8; mowing weeds in pastures; applicability.* Grazing land and pasture land.

Payment will be made for mowing weeds on grazing land or pasture land, provided the plants mowed are not used for hay or sold for any purpose. Weeds must be mowed before they develop seeds, and must be mowed as many times as is necessary during the summer to prevent the formation of seeds.

Payment rate: $0.50 per acre per year.

(ix) *Practice E-10; fireguards; applicability.* Grazing land.

Payment will be made for maintaining or establishing fireguards by plowing or otherwise exposing the mineral soil. A minimum of 10 feet in width must be exposed. Parallel strips not less than 5 feet in width shall qualify where the grass is burned off between. The payment will be made only for the exposed strip of soil.

Payment rate: $0.60 per 1,000 linear feet.

(x) *Practice E-12; construction of pipe lines; applicability.* Payment will be made only on ranches which show a need for livestock water at the proposed locations to properly distribute grazing. Not applicable to the pipe required in development of the primary source of water.

The pipe shall be of standard quality not less than 1 inch in diameter, and if more than 1¼ inch diameter pipe is used, payment will be limited to that applicable to a 1¼ inch pipe. The pipe line must be protected from freezing and must be maintained on the location approved by the county committee. Good second-hand pipe may be used but credit will be limited to 75 percent of the length of pipe installed.

Payment rates: (a) $0.06 per foot of 1-inch pipe.
(b) $0.09 per foot of 1¼-inch pipe.
(c) $0.12 per foot of 1½-inch pipe or larger.

(xi) *Practice E-13; supplemental water storage for livestock.* Payment will be made for the construction of concrete, rubble masonry, metal or wooden storage tanks that will provide supplemental water storage for range livestock. Adequate pipe must be installed to convey the water to tank or trough.

This practice is not applicable in connection with a spring or well paid for under this or previous programs unless the minimum storage required as a condition of payment has been installed and maintained.

Payment rates: (a) The smaller of:
(1) $0.20 per cubic foot of storage capacity, or

(2) The sum of:

(i) 50 percent of the cost of metal tanks, cypress, redwood, cedar, or other lumber treated by commercial methods.

(ii) 50 percent of the cost of concrete, not to exceed $9.00 per cubic yard, and

(iii) 50 percent of the cost of rubble masonry, not to exceed $6.00 per cubic yard.

(5) *Forestry practices; practice F-2; planting trees and shrubs; applicability.* Farmland.

Payment will be made for planting forest tree seedlings (including shrubs beneficial to wild life) provided such trees or shrubs are protected from fire and grazing and are cultivated in accordance with good tree culture and wildlife management. Forest trees or shrubs may be planted in windbreaks, for gully control, along streambanks for erosion control, or for forestry purposes. There must be planted not less than 160 trees and/or shrubs per acre. These must be protected from livestock by adequate fence and from rabbits and other pests by appropriate means. All broadleaf species must be not less than 1 year old when planted and all evergreens must be not less than 3 years old when planted. The area considered as occupied by the trees and/or shrubs planted in rows shall include one-half rod on either side of the row, and in block planting, the area occupied by such planting shall include the area of trees plus one-half rod beyond the outside of the trees. Detailed specifications will be furnished by the county committee at the time approval is given.

Payment rate: $7.50 per acre.

(6) *Miscellaneous*—(i) *Practice H-3; clearing land for meadowland or improved pastureland; applicability.* Meadowland and pastureland.

Payment will be made for the removal of willows, chico, greasewood, sagebrush or other types of trees as approved by the county committee, in the development or improvement of meadowland or pastureland; or for clearing, ditching, and making other extensive improvements for the development of improved pastures or meadowland on any area that will be flooded or irrigated. Prior approval of the county committee is required. Such approval shall be based on the determination that the land cleared or improved will not become an erosion hazard, and that the productivity of the land and the improvement made will justify the payment. The method of removal must be approved by the county committee, except that no payment will be made for removal of brush by fire. No payment will be made for clearing a stand of merchantable timber or pulp or for clearing land to be used as cropland.

Where sagebrush is destroyed on pastureland, the dead brush may be left on the land for erosion control if approved by the county committee. In other cases, all shrubs shall be removed from the land. If the land is to be used as meadowland or improved pasture, it shall be seeded in accordance with Practice E-6, Pasture or Grazing Land Improvement, and payment may be made for seeding thereunder. However, no credit will be allowed for seeding cost when computing the cost of carrying out this practice.

Payment rates: 50 percent of the cost of the clearing operation not to exceed:

(a) $3.00 per acre for the removal of greasewood, chico, and sagebrush.

(b) $5.00 per acre for the removal of willows or other types of trees.

(ii) *Practice H-4; control of noxious weeds; applicability.* Farmland, along ditch banks, and any eligible land in a watershed furnishing irrigation water where the county committee determines there is no likelihood of reinfestation from adjacent farms or contiguous land.

Payment will be made under this practice but it is limited to control by continuous clean cultivation throughout the growing season or by the use of chemicals excluding oils. No crop may be taken from the land where clean cultivation is used. Evidence must be submitted by the farm operator as to the quantity of chemical used, the formula, or solution used, and the method of application. Plots of weeds to be controlled must be designated with reasonable accuracy on a map in the county office. Payment will be made for the control of the following perennial noxious weeds: Bindweed, Russian knapweed, Canada thistle, leafy spurge, whiteweed (whitetop) perennial sow thistle, perennial poverty weeds (Iva axillaris, Franseria discolor, Franseria tomentesa) willows, or henbane.

Payment rate: 50 percent of the cost of control, not to exceed $7.50 per acre.

(iii) *Practice H-5; local conservation practice; applicability.* As designated by the county committee and approved by the State committee. The county committee may select with the prior approval of the State committee and the State technical committee, and the concurrence of the Agricultural Conservation Program Branch, one practice of a local nature not included in the National Bulletin, § 701.903 (12 F. R. 6679) other than a practice of seeding grasses or legumes, which has a definite soil or water conservation value, or which will maintain or increase soil fertility or conserve and increase range and pasture forage and will meet special needs in the county. Any practice selected hereunder must be carried out under specifications approved by the State committee.

Payment rate: The rate recommended by the county committee and approved by the State committee with the concurrence of the Agricultural Conservation Programs Branch. The rate should not exceed that percentage of the cost specified as the maximum for practices of a similar type included in the National Bulletin. The State committee shall determine the amount of funds which may be expended on the local conservation practice in any county.

(iv) *Practice H-6; special conservation practice.* With approval of the State committee, the county committee may select for use in the county one practice included in the National Bulletin, § 701.903 (12 F R. 6679) for which there is a need locally, but which is not included in paragraph (m) of this section.

Payment rate: The rate recommended by the county committee and approved by the State committee, except that the rate may not be in excess of the maximum rate for the practices set forth in § 701.903 (12 F. R. 6679).

(Secs. 7-17, 49 Stat. 1148-1151, as amended, 60 Stat. 663, Public Laws 249, 266, 80th Cong., 16 U. S. C. and Sup. 590g-590q)

Approved: Nov. 25, 1947.

[SEAL] A. W MANCHESTER,
Acting Director Agricultural Conservation Programs Branch.

[F. R. Doc. 47-10716; Filed, Dec. 4, 1947; 8:46 a. m.]

PART 701—AGRICULTURAL CONSERVATION PROGRAM BULLETIN

SUBPART—1948; UTAH

This section contains the provisions of the 1948 Agricultural Conservation Program for the State of Utah. Payments will be made for participation in the program in accordance with the provisions of this section and such modifications as may hereafter be made.

The Agricultural Conservation Program has been provided by Congress to assist farmers in carrying out approved practices that will maintain and improve soil and water resources so that high agricultural production may be assured today and in the future.

Under this program part of the costs of the conservation practices are defrayed by the Government and represent the Nation's interest in what happens to its basic resources.

Much progress has been made under the agricultural conservation programs of other years in improving soil and water resources and promoting the use of farming methods that will protect and maintain them. However, there is need for continued effort on the part of farmers in conservation farming to insure the production of adequate supplies of food in the future.

It is the responsibility and aim of the State committee to obtain the maximum amount of conservation in the State with Utah's share of the funds appropriated for the 1948 Agricultural Conservation Program. The elected county and community farmer-committeemen share this responsibility. Farmers and their committeemen must work together to obtain for the Nation and our farms the maximum amount of conservation possible with the funds and facilities available to us for this work.

The Agricultural Conservation Program for Utah as outlined in this 1948 State handbook does not include every conservation practice needed in the State. It does include the practices of most general and immediate need. When practices become routine to a farmer's operation, it is the intent to eliminate such practices and add others which are needed and for which program assistance is necessary in order to get farmers to carry them out. Suggestions for improving and changing the program in ways that will obtain more and better conservation are solicited from farmers and committeemen each year.

§ 701.981 *Utah*—(a) *Purpose of program.* The broad purpose of the Agricul-

tural Conservation Program is to assist farmers to maintain and improve the Nation's soil and water resources. It operates as a Government-farmer partnership, with both parties sharing the cost of practices that prevent soil destruction and restore fertility to depleted soil, and obtain better utilization of water resources. Since the strength of the Nation depends directly on its soil resources, all its people are concerned with building and maintaining soil fertility. Payments may be earned under the program only by carrying out approved practices. These payments represent the national interest in the care of our basic resource.

The returns from the cooperation of Government and farmer in building and maintaining the soil and in promoting more efficient use of water are abundant production of food and fiber for ourselves and for future generations. These practices result in higher yields and at the same time maintain or increase the production capacity of the soil. There is profit for both the individual farmer and the Nation in conservation farming.

There is need to build soil fertility by putting more of it on deposit each year than we use up to produce an abundance of food.

(b) *How the program works.* Any agricultural producer in a county may participate in the Agricultural Conservation Program by filing a farm worksheet which must be approved by the county agricultural conservation committee. The approved farm worksheet will show the conservation practices which may be performed for credit and the total amount of payment which may be earned under the program on the producer's farm. The farm worksheet should be filled out before spring operations and must be signed and filed with the county committee not later than May 1, 1948, except with the approval of the State committee.

(1) *Distribution of funds.* Each State will receive its share of the funds appropriated for 1948 payments to producers who carry out approved conservation practices. The State funds will be apportioned among the counties in the State on the basis of conservation needs.

(2) *Farm allowance.* For any farm for which a 1948 farm worksheet is filed requesting the approval of the practices for performance the county committee shall establish a farm allowance which may be earned by practices performed under the 1948 program. The producer shall be notified of the extent of the allowance. Practices may be approved in an extent greater than the farm allowance which shall be based on both the conservation needs of the farm and available funds in the county. The sum of the original farm allowance established in a county shall not exceed the amount of funds allocated to the county for conservation practices but farm allowances may be adjusted during the program year by transferring unearned funds to farms on which practices approved by the county commmittee are performed to an extent greater than the allowances originally established for them. The farm allowance so established shall not apply to practices for community benefit performed under the provisions of subparagraph (4) of this paragraph.

(3) *Selection of practices.* (i) The county committee shall select from the approved State practices which are listed in paragraph (1) of this section, those practices for which payment will be offered in the county. The county committee shall select practices for which there is a definite need and which would not be carried out in the desired volume in the county without the encouragement of practice payments.

Where a local conservation problem exists for which an appropriate practice is not included in the 1948 National Bulletin, the county committee may recommend for approval by the State committee and Technical committee and the concurrence of the Agricultural Conservation Programs Branch (hereinafter referred to as the ACP Branch) one such practice other than a practice of seeding grasses or legumes. The performance of such a practice shall not be approved within a county for an amount in excess of 25 percent of the total funds allocated to the county for conservation payments.

To permit further local adaptation of practices, the county committee may recommend, and the State committee may approve, one practice for the county from the practices included in the 1948 National Bulletin which is not included in paragraph (1) of this section.

(ii) The farm operator shall, with the assistance of a committeeman, select from the list of practices offered in the county those practices needed on his farm which he intends to perform in 1948. Those practices must be entered on the farm worksheet for the farm.

(iii) The county committee will review the practices entered on the farm worksheet and will indicate thereon the extent of the practices approved for payment and the farm allowance which may be earned in 1948 by the performance of practices approved by the committee. Adjustments may be made with the approval of the county committee at any time during the program year.

(4) *Pooling agreements.* Producers in any local area may agree in writing, with approval of the county and State committees, to perform designated amounts of practices which the State committee determines are necessary to conserve or improve the agricultural resources of the community.

(5) *Practices carried out with State or Federal aid.* The extent of any practice shall not be reduced because it is carried out with materials or services furnished by the Agricultural Conservation Programs Branch or by any agency of a State to another agency of the same State. In other cases of State or Federal aid, the total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency.

(6) *Furnishing evidence of practices carried out.* The operator shall furnish the county committee acceptable evidence that a practice has been carried out. Analysis tags, invoices, sales slips, or other acceptable evidence of purchase and quality shall be required by the county committee for practices involving the application of materials, grass or legume seedings, and chemicals used for weed control or for any practice where the rate of payment for the practice is expressed as a percentage of cost.

(c) *Division of payments*—(1) *Conservation practice payments.* The payment earned in carrying out practices with conservation services shall be credited to the producer to whom the services are furnished. Payment for practices performed with conservation services shall have priority over payment for other practices. The payment earned in carrying out other practices shall be paid to the producer who carried out the practices. If more than one producer contributed to the carrying out of such practices, the payment shall be divided in the proportion that the county committee determines the producers contributed to the carrying out of the practices. In making this determination county committee shall take into consideration the value of the labor, equipment or material contributed by each producer toward the carrying out of each practice, assuming that each contributed equally, unless it is established to the satisfaction of the county committee that their respective contribution thereto were not in equal proportion. The furnishing of land will not be considered as a contribution to the carrying out of any practice.

(2) *Death, incompetency, or disappearance of producer.* In case of death, incompetency, or disappearance of any producer, his share of the payment shall be paid to his successor, determined in accordance with the provisions of the regulations in ACP-122, as amended. (5 F. R. 2875, 6 F. R. 1647, 4430, 9 F. R. 12237)

(d) *Increase in small payments.* The payment computed for any person with respect to any farm shall be increased as follows:

(1) Any payment amounting to $0.71 or less shall be increased to $1.00.

(2) Any payment amounting to more than $0.71, but less than $1.00, shall be increased by 40 percent.

(3) Any payment amounting to $1.00 or more shall be increased in accordance with the following schedule:

Amount of payment computed:	*Increase in payment*
$1.00 to $1.99	$0.40
$2.00 to $2.99	.80
$3.00 to $3.99	1.20
$4.00 to $4.99	1.60
$5.00 to $5.99	2.00
$6.00 to $6.99	2.40
$7.00 to $7.99	2.80
$8.00 to $8.99	3.20
$9.00 to $9.99	3.60
$10.00 to $10.99	4.00
$11.00 to $11.99	4.40
$12.00 to $12.99	4.80
$13.00 to $13.99	5.20
$14.00 to $14.99	5.60
$15.00 to $15.99	6.00
$16.00 to $16.99	6.40
$17.00 to $17.99	6.80
$18.00 to $18.99	7.20
$19.00 to $19.99	7.60
$20.00 to $20.99	8.00
$21.00 to $21.99	8.20
$22.00 to $22.99	8.40
$23.00 to $23.99	8.60

Amount of payment computed—Con.	Increase in payment
$24.00 to $24.99	$8.80
$25.00 to $25.99	9.00
$26.00 to $26.99	9.20
$27.00 to $27.99	9.40
$28.00 to $28.99	9.60
$29.00 to $29.99	9.80
$30.00 to $30.99	10.00
$31.00 to $31.99	10.20
$32.00 to $32.99	10.40
$33.00 to $33.99	10.60
$34.00 to $34.99	10.80
$35.00 to $35.99	11.00
$36.00 to $36.99	11.20
$37.00 to $37.99	11.40
$38.00 to $38.99	11.60
$39.00 to $39.99	11.80
$40.00 to $40.99	12.00
$41.00 to $41.99	12.10
$42.00 to $42.99	12.20
$43.00 to $43.99	12.30
$44.00 to $44.99	12.40
$45.00 to $45.99	12.50
$46.00 to $46.99	12.60
$47.00 to $47.99	12.70
$48.00 to $48.99	12.80
$49.00 to $49.99	12.90
$50.00 to $50.99	13.00
$51.00 to $51.99	13.10
$52.00 to $52.99	13.20
$53.00 to $53.99	13.30
$54.00 to $54.99	13.40
$55.00 to $55.99	13.50
$56.00 to $56.99	13.60
$57.00 to $57.99	13.70
$58.00 to $58.99	13.80
$59.00 to $59.99	13.90
$60.00 to $185.99	14.00
$186.00 to $199.99	(1)
$200.00 and over	(2)

[1] Increase to $200.
[2] No increase.

(e) *Payments limited to $500.* The total of all payments made in connection with the 1948 program to any person with respect to farms turpentine places and ranching units in the United States (including Alaska, Hawaii, Puerto Rico and the Virgin Islands) shall not exceed the sum of $500.

All or any part of any payment which has or otherwise would be made to any person under the 1948 program, may be withheld or required to be refunded if he has adopted or participated in adopting any scheme or device designed to evade or which has the effect of evading the provisions of this section.

(f) *Conservation services*—(1) *Availability.* Conservation services may be furnished by the ACP Branch to producers for carrying out approved practices. Services may not be furnished to producers who are on the Register of Indebtedness except in those cases where the agency to which the debt is owed notifies the ACP Branch that it temporarily waives its rights for set-off in order to permit the furnishing of services.

(2) *Cost to the producer in cash.* The producer shall pay that part of the cost of services established by the ACP Branch which is in excess of the credit for the practice on which the service is rendered.

(3) *Deductions.* A deduction shall be made for services furnished by the ACP Branch from the payment of the producer to whom the services are furnished in an amount equal to the credit value of services furnished. If the producer misuses any service furnished, an additional deduction equal to the original amount of deduction for the service misused shall be made. Services will be considered as misused where the county committee determines that a structure such as a terrace or dam has been wilfully or negligently misused by a producer in the program year in which the structure was completed. If the deduction for the services exceeds the payment for the producers to whom the services are furnished the amount of the difference shall be paid by the producer to the Treasurer of the United States.

(g) *General provisions relating to payments*—(1) *Failure to maintain practices carried out under previous programs.* If the county committee determines that any conservation practice carried out under previous Agricultural Conservation Programs is not maintained in accordance with good farming practices, or the effectiveness of any such practice is destroyed during the 1948 program year, a deduction shall be made for the extent of practice destroyed or not maintained from the payment of the person responsible for destroying or not maintaining the practice after the payment has been increased in accordance with the provisions of paragraph (d) of this section. The deduction rate shall be the 1948 practice rate or if the practice is not offered in 1948 the practice rate in effect during the year the practice was performed.

(2) *Practices defeating purposes of programs.* If the State committee finds that any producer has adopted or participated in any practice which tends to defeat the purpose of the 1948 or previous programs, it may withhold or required to be refunded all or any part of any payment which has been or would be computed for such person.

(3) *Failure to carry out approved erosion control measures.* Payment will not be made to any person with respect to any farm which he owns or operates in a county if the county committee finds that he has been negligent or careless in his farming operation by failing to carry out approved erosion control measures on land under his control to the extent that any part of such land has become an erosion hazard during the 1948 program year to other land in the community.

(4) *Depriving others of payment.* If the State committee finds that any person has employed a scheme or device (including coercion, fraud, or misrepresentation) the effect of which would be or has been to deprive any other person of any payment under the program, it may withhold, in whole or in part, from the person participating in or employing such a scheme or device, to require him to refund in whole or in part, the amount of any payment which has been or would otherwise be made to him in connection with the 1948 program.

(5) *Payments computed and made without regard to claims.* Any payment or share of payment shall be computed and made without regard to questions of title under State law without deduction of claims for advances (except as provided in subparagraph (5) of this paragraph, and except for indebtedness to the United States subject to set-off under orders issued by the Secretary) (12 F. R. 1187) and without regard to any claim or lien against any crop or proceeds thereof, in favor of the owner or any other creditor.

(6) *Assignments.* Any person who may be entitled to any payment in connection with the 1948 program may assign his payment, in whole or in part, as security for cash loaned or advances made for the purpose of financing the making of a crop in 1948. No assignment will be recognized unless it is made in writing on Form ACP-69 and in accordance with the instructions in ACP-70

(h) *Application for payment*—(1) *Persons eligible to file applications.* An application for payment with respect to a farm may be made by any producer who is entitled to share in the payment determined for the farm except where his only payment is earned with conservation services by the ACP Branch in such an amount that no small payment increase is due.

(2) *Time and manner of filing applications and information required.* Payment will be made only upon application submitted on the prescribed form to the county office on or before June 30, 1949 and only to those persons who have furnished required information and filed prescribed forms in the county office within the respective time limits fixed therefor by the Director. At least one month's notice to the public shall be given of the expiration of the time limit for prescribed forms or required information. Such notice shall be given by the State committee by mailing notice to the office of each county committee and making copies available to the press. Where conservation services are furnished by the ACP Branch there need be reported on the application for payment with respect to services only the total credit and deduction value of the services furnished.

(i) *Appeals.* Any producer may, within 15 days after notice thereof is forwarded to or made available to him, request the county committee in writing to reconsider its recommendation or determination in any matter affecting the right to or the amount of his payment with respect to the farm. The county committee shall notify him of its decision in writing within 15 days after receipt of written request for reconsideration. If the producer is dissatisfied with the decision of the county committee he may, within 15 days after the decision is forwarded to or made available to him, appeal in writing to the State committee. The State committee shall notify him of its decision in writing within 30 days after the submission of the appeal. If he is dissatisfied with the decision of the State committee he may, within 15 days after its decision is forwarded to or made available to him, request the Director to review the decision of the State committee.

Written notice of any decision rendered under this section by the county or State committee shall also be issued to each producer on the farm who may be adversely affected by the decision.

(j) *Definitions.* For the purpose of the 1948 program:

(1) "Secretary" means the Secretary of Agriculture of the United States.

(2) "Director" means the Director of the Agricultural Conservation Programs

Branch, Production and Marketing Administration.

(3) "State committee" means, the group of persons designated within the State to assist in the administration of the Agricultural Conservation Program.

(4) "Technical committee" means the group of agricultural technicians selected by the State committee to assist in the selection and development of conservation practices for the Agricultural Conservation Program and to advise generally regarding the Agricultural Conservation Program for the State.

(5) "County committee" means the group of persons elected within any county to assist in the administration of the Agricultural Conservation Program in that county.

(6) "Person" means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and, wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(7) "Producer" means any person who as landlord, tenant, or sharecropper, participates in the operation of a farm.

(8) "Farm," means all adjacent or nearby farm or range land under the same ownership which is operated by one person, including also:

(i) Any other adjacent or nearby farm or range land which the county committee, in accordance with instructions issued by the Agricultural Conservation Programs Branch, determines is operated by the same person as part of the same unit in producing range livestock or with respect to the rotation of crops, and with workstock, farm machinery, and labor substantially separate from that for any other land; and

(ii) Any field-rented tract (whether operated by the same or another person which together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

A farm shall be regarded as located in the county in which the principal dwelling is situated or, if there is no dwelling thereon, it shall be regarded as located in the county in which the major portion of the farm is located.

(k) *Authority, availability of funds, and applicability*—(1) *Authority.* The program contained in this section is based upon, and is subject to, the provisions of the 1948 National Agricultural Conservation Program Bulletin, which was issued by the Secretary of Agriculture, October 6, 1947, and published in the FEDERAL REGISTER October 10, 1947 (12 F. R. 6679) pursuant to the authority vested in him under Sections 7 to 17, inclusive, of the Soil Conservation and Domestic Allotment Act, as amended (49 Stat. 1148, 16 U. S. C. and Sup. 590g to 590q; Public Law 546, 79th Congress; Public Laws 249, 266, 80th Congress)

(2) *Availability of funds.* The provisions of the 1948 program are necessarily subject to such legislation as the Congress of the United States may hereafter enact; the making of the payments herein provided is contingent upon such appropriation as the Congress may hereafter provide for such purposes; and the amounts of such payments will necessarily be within the limits finally determined by such appropriation.

The funds provided for the 1948 program will not be available for payment of applications filed in the county office after December 31, 1949.

(3) *Applicability.* The provisions of the 1948 program contained herein are not applicable to (i) any department or bureau of the United States Government or any corporation wholly owned by the United States; and (ii) grazing lands owned by the United States which were acquired or reserved for conservation purposes or which are to be retained permanently under Government ownership, including, but not limited to, grazing lands administered under the Taylor Grazing Act by the Bureau of Land Management or the Fish and Wildlife Service of the United States Department of the Interior, or by the Forest Service or the Soil Conservation Service of the United States Department of Agriculture.

The program is applicable to (i) privately owned lands; (ii) lands owned by a State or political subdivision or agency thereof; (iii) lands owned by corporations which are partly owned by the United States, such as Federal Land Banks and Production Credit Associations; (iv) lands temporarily owned by the United States or a corporation wholly owned by it, which were not acquired or reserved for conservation purposes, including lands administered by the Farmers Home Administration, the Reconstruction Finance Corporation, the Home Owners' Loan Corporation, the Federal Farm Mortgage Corporation, the Departments composing the National Military Establishment, or by any other Government agency designated by the ACP Branch; (v) any cropland farmed by private persons which is owned by the United States or a corporation wholly owned by it; and (vi) Indian lands, except that where grazing operations are carried out on Indian lands administered by the Department of the Interior, such lands are within the scope of the program only if covered by a written agreement approved by the Department of the Interior giving the operator an interest in the grazing and forage growing on the land and a right to occupy the land in order to carry out the grazing operations.

(l) *Conservation practices.* County committee prior approval is required for all practices in 1948. This is made necessary by specific allocations of funds for each county, to provide payment for conservation work to be performed in the current program year. The specifications contained in the following practices have been held to a minimum and where so indicated must be supplemented with more details by the county committee. The county committee is authorized to provide additional requirements or to tighten existing requirements for other practices. Closing dates may be established for the performance of individual practices provided such closing dates are not later than December 31, 1948.

(1) *Cover and green manure crops*—(i) *Practice B-3; summer annual legumes; applicability.* Cropland.

Credit will be allowed for plowing or discing under green a good stand and a good growth of seeded hubam clover, Austrian winter peas, or hairy vetch.

Payment rate: $1.50 per acre.

(ii) *Practice B-6; clover as green manure; applicability.* Cropland and orchards.

Credit will be allowed for biennial sweet clover, red clover, or alsike clover plowed or disced under green after a good stand and a good growth have been secured.

Payment rate: $1.50 per acre.

(iii) *Practice B-7; perennial cover crops in orchards and vineyards; applicability.* Irrigated orchards.

Credit will be allowed for establishing in 1948 a good stand and a good growth of alfalfa, bromegrass, orchard grass, or perennial fescues for a permanent cover in irrigated orchards excluding volunteer stands and any acreage cut for hay.

Payment rate: $2.50 per acre.

(2) *Erosion control and water conservation practices*—(i) *Practice D-1, terracing; applicability.* Farmland.

Credit will be allowed for any standard type terrace for which proper outlets are provided, which will effectively control erosion and conserve moisture in the area. The terrace plan must be laid out by a competent person. (Detailed specifications to be provided by the county committee.)

Payment rate: 6 cents per cubic yard, not to exceed $4 per 100 linear feet.

(ii) *Practice D-2; contour farming intertilled crops; applicability.* Nonirrigated cropland.

Credit will be allowed for contour farming intertilled crops parallel to permanent base contour markers. Crop stubble or crop residue must be left standing over winter, or protective tillage operations carried out. The entire field must be farmed on the contour.

Payment rate: (a) $1.50 per acre where all cultural operations and seeding are on the contour.

(b) $1.00 per acre where only the planting and cultivating are on the contour.

(iii) *Practice D-3; contour farming drilled and close-sown grasses, legumes and small grains; applicability.* Nonirrigated cropland.

Credit will be allowed for contour farming drilled and close-sown grasses, legumes and small grains parallel to permanent base contour markers set up by a competent person. This practice must be carried out on the entire field.

Payment rates: (a) 75 cents per acre where all cultural operations and seeding are on the contour.

(b) 50 cents per acre where only the seeding operation is on the contour.

(iv) *Practice D-4; contour stripcropping; applicability.* Cropland.

Credit will be allowed for the establishment of stripcropping on cropland subject to erosion where two or more strips of intertilled row crops or fallow are protected by two or more strips of close-grown crops or stubble. Grass strips or perennial legume strips may be used for one or more of the close-grown crops. The strips of intertilled row crops or fallow must not be less than 20 feet in width

or more than 330 feet in width, and shall be approximately equal to but not less than one-half the width of the adjacent protective strips. All strips must be established parallel to contour guide lines. Payment cannot be made for this practice and D-2, Contour farming intertilled crops, specified in subdivision (ii) of this subparagraph, or D-3, Contour farming drilled and close-sown grasses, legumes and small grains, as specified in subdivision (iii) of this subparagraph, when carried out on the same acreage.

Payment rate: $2.50 per acre.

(v) *Practice D-6; contour furrowing; applicability.* Grazing land.

Credit will be allowed for furrows constructed on the contour not more than 25 feet apart horizontally, or 2 feet apart vertically, which have a cross-sectional area of not less than 32 square inches. Two or more smaller furrows having an aggregate cross-section of not less than 32 square inches will qualify. (Detailed specifications to be provided by the county committee.)

Payment rate: 25 cents per 1,000 linear feet.

(vi) *Practice D-7 subsoiling; applicability.* Cropland.

Credit will be allowed for subsoiling to a depth which effectively shatters the hardpan or plow sole. Any subsoiling less than 12 inches deep will not qualify. This practice will not qualify for payment if a payment was received for carrying out this practice on the same land during any of the past 3 years on irrigated or 5 years on non-irrigated cropland. This practice shall be approved by the county committee only in areas where the soil structure shows that the practice is needed.

Payment rates: (*a*) $2.25 per acre for intervals up to 4 feet.

(*b*) $1.50 per acre for intervals over 4 feet but not over 7 feet.

(vii) *Practice D-8; crop residue management; applicability.* Non-irrigated cropland.

Credit will be allowed for partially incorporating a heavy growth of stubble or straw into the surface soil. All cultural operations and seeding must be carried out parallel to permanent base contour markers established by a competent person. No payment will be made if the acreage has been burned or the straw removed.

Payment rate: 50 cents per acre.

(viii) *Practice D-11, establishment of permanent sod waterways; applicability.* Farmland.

Credit will be allowed for the establishment of a permanent sod waterway in 1948. This practice is applicable only to waterways established in 1948 unless the county committee determines that an old waterway needs reshaping, reseeding or resodding. No waterway will be approved with an average width of less than 20 feet, except in orchards where it may be as narrow as 10 feet. Payment will be limited to an average maximum width of 50 feet. (Detailed specifications to be provided by the county committee.)

Payment rate: 75 cents per 1,000 square feet.

(ix) *Practice D-12; drainage ditches; applicability.* Farmland.

Credit will be allowed for the construction or enlargement of open farm drainage ditches. An adequate outlet must be provided. Routine or annual cleaning will not qualify. Prior approval of the State committee is required for enlargements. (Detailed specifications to be provided by the county committee.)

Payment rate: 8 cents per cubic yard, not to exceed $12 per 100 linear feet.

(x) *Practice D-13; tile drainage; applicability.* Farmland.

Credit will be allowed for the installation of tile below the depth of tillage and on a grade which will properly drain irrigated cropland, pasture land and mountain meadowland.

Payment rates: (*a*) 10 cents per foot of 4-inch tile.

(*b*) 15 cents per foot of 6-inch tile.

(*c*) 20 cents per foot of 8-inch tile or larger.

(xi) *Practice D-14; reorganization of farm irrigation system, applicability.* Irrigated land.

Credit will be allowed for the reorganization of a farm irrigation system in accordance with a written plan approved by the county committee, which will control erosion or conserve water. No payment will be made for cleaning a ditch or for repairs or replacement of existing structures. Border dikes constructed for flood irrigation will not qualify. Enlargements of permanent ditches and reservoirs must have the prior approval of the State committee. (Detailed specifications to be provided by the county committee.)

Payment rates; (*a*) 8 cents per cubic yard but not to exceed $12 per 100 linear feet in the construction or enlargement of permanent ditches, dikes or laterals.

(*b*) 8 cents per cubic yard of earth moved in the construction or enlargement of small irrigation reservoirs.

(*c*) $10 per cubic yard of concrete.

(*d*) $6 per cubic yard of rubble masonry.

(*e*) 50 percent of the cost of concrete and metal pipe, metal flumes, metal diversion gates, metal Parshall flumes, and prefabricated concrete diversion gates, used in constructing or installing siphons, flumes, drop boxes or chutes, weirs, and diversion gates.

(*f*) 50 percent of the cost of bentonite, clay or asphalt used in lining ditches or reservoirs.

(xii) *Practice D-15, land leveling; applicability.* Land for which water is available.

Credit will be allowed for leveling land for irrigation in order to conserve water or to prevent erosion. Water must be available. No payment will be made for floating or on any land for which a payment for this practice has been made under previous programs. The area to be leveled must be staked out by a competent person. At least 150 cubic yards of earth must be moved per acre to qualify.

Payment rate: $12 per acre.

(viii) *Practice D-16; erosion control dams; applicability.* Farmland.

Credit will be allowed for the construction of dams for collecting and spreading flood waters. (Detailed specifications to be provided by the county committee.)

Payment rates: (*a*) 8 cents per cubic yard of earth moved.

(*b*) $10 per cubic yard of concrete.

(*c*) $6 per cubic yard of rubber masonry.

(xiv) *Practice D-17 riprap; applicability.* Farmland.

Credit will be allowed for the construction of riprap with rock, brush, willows, posts, or logs, along stream banks, in gullies, on the face of dams, or in water courses, to control erosion. (Detailed specifications to be provided by the county committee.)

Payment rates: (*a*) 50 cents per square yard of flat-surface riprap.

(*b*) $1.50 per cubic yard of crib-type riprap.

(xv) *Practice D-18; spreader or diversion ditches, terraces or dikes; applicability.* Farmland.

Credit will be allowed for the construction of spreader or diversion ditches, terraces or dikes for collecting, diverting and spreading flood water or for channel changes. Adequate outlets must be provided at the discharge end. (Detailed specifications to be provided by the county committee.)

Payment rate: 8 cents per cubic yard, not to exceed $12 per 100 linear feet.

(xvi) *Practice D-19; rock and brush dams; applicability.* Farmland.

Credit will be allowed for the construction of rock or rock and brush dams for erosion control or spreading flood water.

Payment rate: $1.50 per cubic yard of rock used.

(xvii) *Practice D-23; planting orchards and vineyards on the contour; applicability.* Farmland.

Credit will be allowed for planting orchards and vineyards on the contour. The contours for an irrigated orchard may have a sufficient gradient to permit proper irrigation if established by a competent person.

Payment rate: $7.50 per acre.

(xviii) *Practice D-24; construction of flumes or chutes; applicability.* Farmland.

Credit will be allowed for the construction of flumes or chutes in gullies or ditches or for the protection of terrace outlets by use of concrete, rubble masonry, or metal structures to control erosion. (Detailed specifications to be provided by the county committee.)

Payment rates: (*a*) 50 percent of cost of metal flumes.

(*b*) $10 per cubic yard of concrete.

(*c*) $6 per cubic yard of rubble masonry.

(3) *Range and pasture practices.* Payment will not be made for any range or pasture practice where the county committee determines that the grazing land in the unit has been overgrazed.

(i) *Practice E-2; dams or ponds for livestock water; applicability.* Grazing land.

Credit will be allowed for the construction of dams, pits, ponds, or reservoirs for livestock water, including the enlargement of inadequate structures. The development must contribute to a better distribution of grazing or better pasture

management. Enlargements must have prior approval of the State committee. (Detailed specifications to be provided by the county committee.)

Payment rates: (a) 8 cents per cubic yard of earth moved.

(b) $10 per cubic yard of concrete.

(c) $6 per cubic yard of rubble masonry.

(d) 50 percent of the cost of fencing material and pipe, bentonite, salt or clay.

(ii) *Practice E-3; wells; applicability.* Grazing land.

Credit will be allowed for wells, drilled or dug solely for the purpose of providing water, contributing to better distribution of livestock on the range. No payment will be made for a well constructed at or for the use of headquarters, or for a dry hole. Pumping equipment must be provided except for artesian wells. Adequate storage facilities must be provided. (Detailed specifications to be provided by the county committee.)

Payment rates: (a) $1 per linear foot of wells with less than 4-inch but not less than 2-inch casing, or artesian wells.

(b) $2 per linear foot of wells with not less than 4-inch casings, excluding artesian wells.

(iii) *Practice E-4, springs or seeps; applicability.* Grazing land.

Credit will be allowed for the proper development of springs and seeps which will provide water for better distribution of livestock. (Detailed specifications to be provided by the county committee.)

Payment rate: The larger of: (a) 50 cents per cubic foot for excavation in rock, and

(b) 30 cents per cubic foot for excavation in soil or gravel, or

(c) 50 cents per cubic foot of storage capacity.

(iv) *Practice E-5, elimination of competitive plants; applicability.* Grazing land.

Credit will be allowed for the destruction of a heavy stand of sagebrush, greasewood, rabbit brush, or cedar, by plowing or other approved methods for the development of pastures. (Detailed specifications to be provided by the county committee.)

Payment rate: $1 per acre.

(v) *Practice E-6; seeding and reseeding for pasture; applicability.* Grazing land and cropland devoted to pasture.

Credit will be allowed for establishing or improving permanent pasture by seeding adapted perennial grasses or perennial legumes. (Detailed specifications to be provided by the county committee.)

Payment rates: (a) $1 per pound for ladino clover and strawberry clover.

(b) 45 cents per pound for white Dutch clover, reed canary grass, tall meadow oat grass, Kentucky bluegrass, intermediate wheat grass, and tall wheat grass.

(c) 25 cents per pound for alsike clover, red clover, alfalfa, meadow fescue, mountain brome grass, redtop, and Alta fescue.

(d) 15 cents per pound for crested wheatgrass, slender wheatgrass, western wheatgrass, smooth brome grass, perennial ryegrass, bulbous bluegrass, sand dropseed, and orchard grass.

(e) 10 cents per pound for sweet clover and timothy.

(vi) *Practice E-7 construction of new fences; applicability.* Grazing land.

Credit may be allowed for the construction of new permanent fences to permit proper utilization and better distribution of livestock on range or pasture land. No payment will be allowed for maintenance. (Detailed specifications to be provided by the county committee.)

Payment rate: 50 percent of cost of materials not to exceed 85 cents per rod.

(vii) *Practice E-10; fireguards; applicability.* Grazing land.

Credit will be allowed for the construction or maintenance of fire guards to protect grazing land, having a minimum of 10 feet in width. A comprehensive plan for fire control is required. (Detailed specifications to be provided by the county committee.)

Payment rate: $1.20 per 1,000 linear feet.

(viii) *Practice E-12; installation of pipe lines; applicability.* Grazing land, across cropland or other ineligible land after adequate permits are secured, provided the water is conveyed for use on eligible grazing land.

Credit will be allowed for installing pipe lines for livestock water where such development will encourage a better distribution of livestock on the range. (Detailed specifications to be provided by the county committee.)

Payment rate: 50 percent of the average cost of pipe, not to exceed 15 cents per foot.

(ix) *Practice E-13; construction of new water storage; applicability.* Grazing land.

Credit will be allowed for the construction of new large water storage of concrete, rubble masonry, metal or wooden tanks or cisterns that will provide supplemental water storage other than the minimum required in the regular practices of wells and springs, to contribute to better distribution of livestock on the range. Structures must be built in a workmanlike manner and of good, sound material.

Payment rate: 50 percent of the cost of the material used not to exceed $10 per cubic yard of concrete or $60.00 per cubic yard of rubble masonry.

(x) *Practice E-14; construction of stock trails; applicability.* Grazing land.

Credit will be allowed for the construction of stock trails to inaccessible areas to permit better distribution of livestock. Trails shall be constructed at least 2 feet wide at any point. Provisions must be made for proper drainage to prevent washing out the trail. The trail shall not be constructed with a grade steeper than 20 percent.

Payment rate: 50 percent of the cost, not to exceed $2 per 100 linear feet.

(xi) *Practice E-15; deferred grazing; applicability.* Grazing land.

Credit will be allowed for the improvement of grazing forage by withholding from use during the normal grazing period, an acreage not in excess of 25 percent of the total acreage of grazing land in the unit; where an acreage in excess of 25 percent is withheld from grazing, payment shall not exceed that computed on 25 percent. Payment will not be made on that part of the deferred acreage which is cut for hay. (Detailed specifications to be provided by the county committee.)

Payment rate: 8 cents per acre deferred.

(4) *Practice F-2; planting forest trees or shrubs; applicability.* Farmland.

Credit will be allowed for planting forest tree seedlings including shrubs in blocks or rows, as windbreaks, for gully control, along streambanks for erosion control, or for forestry purposes, provided such trees or shrubs are protected from fire and grazing and are cultivated in accordance with good tree culture. A minimum of 300 trees per acre is required.

Payment rate: $7.50 per acre.

(5) *Miscellaneous*—(i) *Practice H-3; clearing land for tillage or pasture; applicability.* Farmland.

Credit will be allowed for the destruction of heavy stands of oak, willow, chokecherry, or cottonwood on small isolated patches in pastures or in existing fields under tillage. Oak must be sufficiently destroyed that control on pastures can be maintained by mowing. Artificial reseeding shall be required in areas where the reduction of the cover may result in soil erosion.

Payment rate: 50 percent of the cost, not to exceed: (a) $10 per acre for oak.

(b) $5 per acre for willow, chokecherry, or cottonwood.

(ii) *Practice H-4; weed control; applicability.* Farmland.

Credit will be allowed for the chemical control of perennial noxious weeds listed below. The practice is applicable only on farms where the county committee determines there is no likelihood of reinfestation from adjacent farms or contiguous land. The chemical methods of control acceptable are those used under the State weed control project. Eligible weeds are: Whitetop, wild morning glory (bindweed), Canada thistle, perennial sow thistle, leafy spurge, blueflowering lettuce, Russian knapweed, poverty weed, and perennial milkweed.

Payment rate: 50 percent of the cost of chemicals used, excluding oil.

(iii) *Practice H-5; local conservation practice.* The county committee may select with the prior approval of the State committee and the State technical committee, and the concurrence of the ACP Branch, one practice of a local nature not included in the National Bulletin § 701.903 (12 F. R. 6679), other than a practice of seeding grasses or legumes, which has a definite soil or water conservation value, or which will maintain or increase soil fertility or conserve and increase range and pasture forage and will meet special needs in the county. Any practice selected hereunder must be carried out under specifications approved by the State committee.

Payment rate: The rate recommended by the county committee and approved by the State committee with the concurrence of the ACP Branch. The rate should not exceed that percentage of the cost specified as the maximum for practices of a similar type. The performance of this practice shall not be approved within a county for an amount in excess of 25 percent of the total funds

allocated to the county for conservation payments.

(iv) *Practice H-6; special conservation practice.* With the approval of the State committee, the county committee may select for use in the county, one practice included in the National Bulletin, as prescribed in § 701.903 (12 F. R. 6679) for which there is a need locally, but which is not selected for use as prescribed in this paragraph.

Payment rate: The rate recommended by the county committee and approved by the State committee, except that the rate may not be in excess of the maximum rate for the practice set forth in the National Bulletin, § 701.903 (12 F. R. 6679).

(Secs. 7-17, 49 Stat. 1148-1151, as amended, 60 Stat. 663, Pub. Laws 249, 266, 80th Cong., 16 U. S. C. and Sup. 590g-590q)

Approved: November 25, 1947.

[SEAL] A. W. MANCHESTER,
Acting Director Agricultural Conservation Programs Branch.

[F. R. Doc. 47-10717; Filed, Dec. 4, 1947; 8:46 a. m.]

PART 701—AGRICULTURAL CONSERVATION PROGRAM BULLETIN

SUBPART—1948; WYOMING

This section contains the provisions of the 1948 Agricultural Conservation Program for the State of Wyoming. Payments will be made for participation in the program in accordance with the provisions of this section and such modifications as may hereafter be made.

§ 701.987 *Wyoming*—(a) *Purpose of program.* The broad purpose of the Agricultural Conservation Program is to assist farmers to maintain and improve the Nation's soil and water resources. It operates as a Government-farmer partnership with both parties sharing the cost of practices that prevent soil destruction, restore fertility to depleted soil and obtain better utilization of water resources. Since the strength of the Nation depends directly on its soil resources, all its people are concerned with building and maintaining soil fertility. Payments may be earned under the program only by carrying out approved practices. These payments represent the national interest in the care of our basic resources.

The returns from the cooperation of Government and farmers in building and maintaining the soil and in promoting more efficient use of water are abundant production of food and fiber for ourselves and for future generations. These practices result in higher yields and at the same time maintain or increase the productive capacity of the soil. There is profit for both the individual farmer and the Nation in conservation farming.

There is need to build soil fertility by putting more of it on deposit each year than we use up to produce an abundance of food.

(b) *How the program works.* Any agricultural producer in a county may participate in the agricultural conservation program by filing a Farm Work Sheet which must be approved by the county agricultural conservation committee. The approved Farm Work Sheet will show the conservation practices which may be performed for credit and the total amount of payment which may be earned under the program on the producer's farm. A county committeeman or the producer's community committeeman will consult with the producer, advise him on how the program can be of the greatest assistance to him and help him fill out the plan. The Farm Work Sheet should be filled out before spring operations and must be signed and filed with the county committee no later than May 1, 1948. The State Committee may accept a Farm Work Sheet filed after the closing date in any case where the failure to timely file was not the fault of the producer.

(1) *Distribution of funds.* Each State will receive its share of the funds appropriated for 1948 payments to producers who carry out approved conservation practices. The State funds will be apportioned among the counties in the State on the basis of conservation needs.

(2) *Farm allowance.* For any farm for which a 1948 Farm Work Sheet is filed requesting the approval of practices for performance, the county committee shall establish a farm allowance which may be earned by practices performed under the 1948 program. The producer shall be notified of the extent of the allowance at the time prior approval to perform the practice is given. Practices may be approved in an extent greater than the farm allowance which shall be based on both the conservation needs of the farm and available funds in the county. The sum of the original farm allowance established in a county shall not exceed the amount of funds allocated to the county for conservation practices, but farm allowances may be adjusted by transferring unearned funds to farms on which practices approved by the county committee are performed to an extent greater than the allowances originally established for them. The farm allowance so established shall not apply to practices for community benefit performed under the provisions of subparagraph (4) of this paragraph.

(3) *Selection of practices.* (i) The county committee shall select from the approved State practices which are listed in paragraph (1) of this section those practices for which payment will be offered in the county. The county committee with the approval of the State committee may approve rates of payment lower than the rates of payment approved in paragraph (1) of this section. The county committee shall select practices for which there is a definite need and which would not be carried out in the desired volume in the county without the encouragement of practice payments. Where a local conservation problem exists for which an appropriate practice is not included in the practices in the National Bulletin § 701.903, the county committee may recommend, and the State committee and technical committee with the concurrence of the ACP Branch may approve, one such practice, other than a practice of seeding grasses or legumes, for payment in the county. To permit further local adaptation of practices, the county committee may recommend, and the State committee may approve, one practice for the county from the list of practices included in the National Bulletin § 901.903 which is not included in the list of practices approved for the State.

(ii) The farm operator shall, with the assistance of a committeeman, select from the list of practices offered in the county those practices needed on his farm which he intends to perform in 1948. Those practices must be entered on the Farm Work Sheet for the farm.

(iii) The county committee will review the practices entered on the Farm Work Sheet and will indicate thereon the extent of the practices approved for payment and the farm allowance which may be earned in 1948 by the performance of practices approved by the committee. Changes in the Farm Work Sheet may be made with the approval of the county committee at any time during the program year.

(4) *Practices for community benefit.* Producers in any local area may agree in writing, with approval of the county and State committees, to perform designated amounts of practices which the State Committee determines are necessary to conserve or improve the agricultural resources of the community.

(5) *Practices carried out with State or Federal aid.* The extent of any practice shall not be reduced because it is carried out with materials or services furnished by the Agricultural Conservation Programs Branch (hereinafter referred to as the ACP Branch) or by any agency of a State to another agency of the same State. In other cases of State or Federal aid, the total extent of any practice performed shall be reduced for purposes of payment by the percentage of the total cost of the practice which the county committee determines was furnished by a State or Federal agency.

(6) *Furnishing evidence of practices carried out.* The operator shall furnish the county committee acceptable evidence that a practice has been carried out. Analysis tags, invoices, sales slips, or other acceptable evidence of purchase and quality shall be required by the county committee for practices involving the application of materials, grass or legume seedings, and chemicals used for weed control or for any practice where the rate of payment for the practice is expressed as a percentage of cost.

(c) *Division of payments.* The payment earned in carrying out practices shall be paid to the producer who carried out the practices. If more than one producer contributed to the carrying out of practices, the payment shall be divided in the proportion that the county committee determines the producers contributed to the carrying out of the practices. In making this determination, the county committee shall take into consideration the value of the labor, equipment, or material contributed by each producer toward the carrying out of each practice on a particular acreage, assuming that each contributed equally unless it is

established to the satisfaction of the county committee that their respective contributions thereto were not in equal proportion. The furnishing of land will not be considered as a contribution to the carrying out of any practices.

(d) *Increase in small payments.* If the payment computed for any person with respect to any farm is less than $200, it shall be increased as follows:

(1) Any payment amounting to 71 cents or less shall be increased to $1.

(2) Any payment amounting to more than 71 cents but less than $1 shall be increased by 40 percent.

(3) Any payment amounting to $1 or more shall be increased in accordance with the following schedule:

Amount of payment computed:	*Increase in payment*
$1.00 to $1.99	$0.40
$2.00 to $2.99	.80
$3.00 to $3.99	1.20
$4.00 to $4.99	1.60
$5.00 to $5.99	2.00
$6.00 to $6.99	2.40
$7.00 to $7.99	2.80
$8.00 to $8.99	3.20
$9.00 to $9.99	3.60
$10.00 to $10.99	4.00
$11.00 to $11.99	4.40
$12.00 to $12.99	4.80
$13.00 to $13.99	5.20
$14.00 to $14.99	5.60
$15.00 to $15.99	6.00
$16.00 to $16.99	6.40
$17.00 to $17.99	6.80
$18.00 to $18.99	7.20
$19.00 to $19.99	7.60
$20.00 to $20.99	8.00
$21.00 to $21.99	8.20
$22.00 to $22.99	8.40
$23.00 to $23.99	8.60
$24.00 to $24.99	8.80
$25.00 to $25.99	9.00
$26.00 to $26.99	9.20
$27.00 to $27.99	9.40
$28.00 to $28.99	9.60
$29.00 to $29.99	9.80
$30.00 to $30.99	10.00
$31.00 to $31.99	10.20
$32.00 to $32.99	10.40
$33.00 to $33.99	10.60
$34.00 to $34.99	10.80
$35.00 to $35.99	11.00
$36.00 to $36.99	11.20
$37.00 to $37.99	11.40
$38.00 to $38.99	11.60
$39.00 to $39.99	11.80
$40.00 to $40.99	12.00
$41.00 to $41.99	12.10
$42.00 to $42.99	12.20
$43.00 to $43.99	12.30
$44.00 to $44.99	12.40
$45.00 to $45.99	12.50
$46.00 to $46.99	12.60
$47.00 to $47.99	12.70
$48.00 to $48.99	12.80
$49.00 to $49.99	12.90
$50.00 to $50.99	13.00
$51.00 to $51.99	13.10
$52.00 to $52.99	13.20
$53.00 to $53.99	13.30
$54.00 to $54.99	13.40
$55.00 to $55.99	13.50
$56.00 to $56.99	13.60
$57.00 to $57.99	13.70
$58.00 to $58.99	13.80
$59.00 to $59.99	13.90
$60.00 to $185.99	14.00
$186.00 to $199.99	(1)
$200.00 and over	(2)

[1] Increase to $200.
[2] No increase.

(e) *Payments limited to $500.* The total of all payments made in connection with the 1948 program to any person with respect to farms, ranching units and turpentine places in the United States (including Alaska, Hawaii, Puerto Rico and the Virgin Islands) shall not exceed the sum of $500.

All or any part of any payment which has been or otherwise would be made to any person under the 1948 program may be withheld or required to be refunded if he has adopted or participated in adopting any scheme or device, designed to evade, or which has the effect of evading, the provisions of this paragraph.

(f) *Deductions.* The following deductions shall be made from the payment of the person responsible for incurring such deduction after the payment has been increased in accordance with the provisions of paragraph (d) of this section.

(1) *Failure to maintain practices carried out under previous programs.* Where the county committee determines that any conservation practice carried out under previous agricultural conservation programs is not maintained in accordance with good farming practices or the effectiveness of any such practice is destroyed during the 1948 program year, a deduction shall be made for the extent of the practice destroyed or not maintained. The deduction rate shall be the 1948 practice rate, or if the practice is not offered in 1948, the practice rate in effect during the year the practice was performed.

(2) *Breaking out native sod.* A deduction of $3 will be made for each acre of native sod or any other permanent vegetative cover broken out during the 1948 program year without the approval of the county committee, if the county committee determines in accordance with the standards approved by the State committee that the land broken out is not suited to the continued production of cultivated crops and will become a wind-erosion hazard to the community. The standards shall be based on such factors as (i) soil fertility and adaptability to crop production, (ii) condition of land at the present time, (iii) relationship of the land to the entire farm, (iv) type of land in surrounding farms, (v) crop production history, if any, for the type of land and the type of farming which has been followed, (vi) erosion possibilities in the event the land is broken out, and (vii) future use of the land and conservation of its resources. This deduction is applicable only in Sheridan, Johnson, Campbell, Crook, Weston, Converse, Niobrara, Platte, Goshen and Laramie Counties.

(g) *General provisions relating to payments*—(1) *Practices defeating purposes of programs.* If the State committee finds that any producer has adopted or participated in any practice which tends to defeat the purpose of the 1948 or previous programs, it may withhold or require to be refunded all or any part of any payment which has been or would be computed for such person under the 1948 program.

(2) *Failure to carry out approved erosion-control measures.* Payment will not be made to any person with respect to any farm which he owns or operates in a county if the county committee finds that he has been negligent and careless in his farming operations by failing to carry out approved erosion-control measures on land under his control to the extent that any part of such land has become an erosion hazard during the 1948 program year to other land in the community.

(3) *Depriving others of payment.* If the State committee finds that any person has employed any scheme or device (including coercion, fraud, or misrepresentation) the effect of which would be or has been to deprive any other person of any payment under the program, it may withhold, in whole or in part, from the person participating in or employing such a scheme or device, or require him to refund in whole or in part, the amount of any payment which has been or would otherwise be made to him in connection with the 1948 program.

(4) *Payment computed and made without regard to claims.* Any payment or share of payment shall be computed and made without regard to questions of title under State law; without deduction of claims for advances except as provided in subparagraph (5) of this paragraph, and except for indebtedness to the United States subject to set-off under orders issued by the Secretary and without regard to any claim or lien against any crop, or proceeds thereof, in favor of the owner or any other creditor.

(5) *Assignments.* Any person who may be entitled to any payment in connection with the 1948 program may assign his payment in whole or in part as security for cash loaned or advances made for the purpose of financing the making of a crop in 1948. No assignment will be recognized unless it is made in writing on Form ACP-69 and in accordance with the instructions in ACP-70

(h) *Application for payment*—(1) *Persons eligible to file applications.* An application for payment with respect to a farm may be made by any producer who is entitled to share in the payment determined for the farm.

(2) *Time and manner of filing application.* Payments will be made only upon application submitted on the prescribed form to the county office on or before June 30, 1949, and only to those persons who have furnished required information and filed prescribed forms in the county office within the respective time limits fixed therefor by the Director. At least one month's notice to the public shall be given of the expiration of the time limit for filing prescribed forms or required information. Such notice shall be given by the State Committee by mailing notice to the office of each county committee and making copies available to the press.

(i) *Appeals.* Any producer may, within 15 days after notice thereof is forwarded to or made available to him, request the county committee in writing to reconsider its recommendation or determination in any matter affecting the right to or the amount of his payment with respect to the farm. The county committee shall notify him of its decision in writing within 15 days after receipt of written request for reconsideration. If the producer is dissatisfied with the decision of the county committee he may, within 15 days after the decision is forwarded to or made available to him, ap-

peal in writing to the State committee. The State committee shall notify him of its decision in writing within 30 days after the submission of the appeal. If he is dissatisfied with the decision of the State committee, he may, within 15 days after its decision is forwarded to or made available to him, request the Director to review the decision of the State committee.

Written notice of any decision rendered under this section by the county or State committee shall also be issued to each other producer on the farm who may be adversely affected by the decision.

(j) *Definitions.* (1) "Agricultural Conservation Programs Branch" means the Agricultural Conservation Programs Branch of the Production and Marketing Administration.

(2) "Director" means the Director of the Agricultural Conservation Programs Branch, Production and Marketing Administration.

(3) "State committee" means the group of persons designated within any State to assist in the administration of the agricultural conservation programs in that State.

(4) "County committee" means the group of persons elected within any county to assist in the administration of the agricultural conservation programs in that county.

(5) "Farm" means all adjacent or nearby farm or range land under the same ownership which is operated by one person, including also (i) any other adjacent or nearby farm or range land which the county committee, in accordance with instructions issued by the Agricultural Conservation Programs Branch, determines is operated by the same person as part of the same unit in producing range livestock or with respect to the rotation of crops and with workstock, farm machinery, and labor substantially separate from that for any other lands; and (ii) any field-rented tract (whether operated by the same or another person) which, together with any other land included in the farm, constitutes a unit with respect to the rotation of crops.

A farm shall be regarded as located in the county in which the principal dwelling is situated, or if there is no dwelling thereon it shall be regarded as located in the county in which the major portion of the farm is located.

(6) "Person" means an individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, and wherever applicable, a State, a political subdivision of a State, or any agency thereof.

(7) "Producer" means any person who as landlord, tenant, or sharecropper participates in the operation of a farm.

(8) "Cropland" means farmland which in 1947 was tilled or was in regular rotation, including any land broken out in 1948 which the county committee determines is suitable to the continuing cultivation of crops but excluding any land which constitutes or will constitute, if such tillage is continued, a wind-erosion hazard to the community.

(k) *Authority, availability of funds, and applicability*—(1) *Authority.* The program contained in this section is based upon, and is subject to, the provisions of the 1948 National Agricultural Conservation Program Bulletin, which was issued by the Secretary of Agriculture October 6, 1947, and published in the FEDERAL REGISTER October 10, 1947 (12 F. R. 6679) pursuant to the authority vested in him under sections 7 to 17, inclusive, of the Soil Conservation and Domestic Allotment Act, as amended (49 Stat. 1148, 16 U. S. C. and Sup. 590g to 590q; Public Law 546, 79th Congress, Public Laws 249, 266, 80th Congress)

(2) *Availability of funds.* The provisions of the 1948 program are necessarily subject to such legislation as the Congress of the United States may hereafter enact; the making of the payments herein provided is contingent upon such appropriation as Congress may hereafter provide for such purposes; and the amounts of such payments will necessarily be within the limits finally determined by such appropriation.

The funds provided for the 1948 program will not be available for payment of applications filed in the county office after December 31, 1949.

(3) *Applicability.* The provisions of the 1948 program contained herein are not applicable to (i) any department or bureau of the United States Government or any corporation wholly owned by the United States; and (ii) grazing lands owned by the United States which were acquired or reserved for conservation purposes or which are to be retained permanently under Government ownership, including, but not limited to, grazing lands administered under the Taylor Grazing Act by the Bureau of Land Management or the Fish and Wildlife Service of the United States Department of the Interior, or by the Forest Service or the Soil Conservation Service of the United States Department of Agriculture.

The program is applicable to (i) privately owned lands; (ii) lands owned by a State or political subdivision or agency thereof; (iii) lands owned by corporations which are partly owned by the United States such as Federal Land Banks and Production Credit Associations; (iv) lands temporarily owned by the United States or a corporation wholly owned by it, which were not acquired or reserved for conservation purposes, including lands administered by the Farmers Home Administration, the Reconstruction Finance Corporation, the Home Owners' Loan Corporation, the Federal Farm Mortgage Corporation, the Departments composing the National Military Establishment, or by any other Government agency designated by the ACP Branch; (v) any cropland farmed by private persons which is owned by the United States or a corporation wholly owned by it; and (vi) Indian lands, except that where grazing operations are carried out on Indian lands administered by the Department of the Interior, such lands are within the scope of the program only if covered by a written agreement approved by the Department of the Interior giving the operator an interest in the grazing and forage growing on the land and a right to occupy the land in order to carry out the grazing operations.

(l) *Conservation practices.* County committee prior approval is required for all practices in 1948. This is made necessary by specific allocations of funds for each county, to provide payment for conservation work to be performed in the current program year. The county committee is authorized to add to the specifications to provide additional requirements, to tighten existing requirements, or to establish closing dates for the performance of individual practices provided such closing dates are not later than December 31, 1948. Specifications will be furnished by the county committee.

(1) *Fertilizers and other materials*—(i) *Practice A-3; phosphate and mixed fertilizers.* Payment will be made for the application of phosphate in the form of superphosphate or for the phosphate and potash content of mixed fertilizers when used, or; rotation and permanent pastures, excluding small grain; new seedings of grasses or legumes, excluding small grain, vegetable and truck crops for sale, but including 1947 fall seedings of small grain which are overseeded with a grass or legume in the spring of 1948; winter cover crops, excluding small grain seeded alone; hay crops, excluding small grain, Sudan grass, and sorghums; or permanent sod waterways. Phosphate mixed with manure, on dropping boards, or on barn floors, as the manure accumulates, applied to any crop during the program year will qualify.

Payment rates: (a) $0.05 per pound of available P_2O_5 in superphosphate containing 20% or less of phosphate, and in mixed fertilizers.

(b) $0.035 per pound of available P_2O_5 in concentrated superphosphate containing more than 20% of phosphate.

(c) $0.035 per pound of available potash in mixed fertilizers.

(ii) *Practice A-4; gypsum or agricultural sulphur* Application of gypsum or agricultural sulphur on irrigated or subirrigated farmland. No payment will be made for material used as a fungicide or insecticide.

Payment rate: $0.015 per pound of the sulphates and free sulphur contained (available sulphur) in the material applied.

(iii) *Practice A-5, boron.* Application of boron to old stands or new seedings of perennial legumes or perennial grasses, or to mixtures of perennial legumes and perennial grasses.

Payment rate: $0.15 per pound of available boron.

(2) *Green manure and cover crops.*—(i) *Practice B-4; rye or wheat for winter cover* A good stand and a good growth of wheat or rye, seeded in the fall of 1947 on land subject to erosion and maintained as an effective cover crop on the land during the winter of 1947-48 will qualify. No payment will be made if the crop is harvested for grain or hay.

Payment rate: $1.50 per acre.

(ii) *Practice B-5, winter grains for green manure.* A satisfactory green growth and a good stand of wheat or rye seeded in the fall of 1947 turned under in the spring of 1948 will qualify. No payment will be made if the acreage is

used for pasture or is harvested for any purpose.

Payment rate: $1.50 per acre.

(iii) *Practice B-6; clover for green manure.* Turning under a satisfactory green growth and a good stand of red clover, alsike clover or sweet clover will qualify. If turned under in the fall on land subject to erosion it must be followed by a fall-sown crop.

Payment rate: $1.50 per acre.

(3) *Erosion control and water conservation practices*—(i) *Practice D-1, terraces.* Construction of standard terraces for which proper outlets are provided will qualify. No terrace will be paid for having a base width less than 12 feet or a height of less than 1 foot. Cross section shall be computed on the fill above the original ground level, settled basis.

Payment rates: (*a*) $2.00 per 100 linear feet for terraces having an average cross section of 13.5 square feet or more.

(*b*) $1.50 per 100 linear feet for terraces having an average cross section of less than 13.5 square feet.

(ii) *Practice D-2; contour farming intertilled crops.* All farming operations except harvesting must be performed parallel to established contour lines. No payment will be made for this practice on any acreage for which payment is made under subdivision (iv) of this subparagraph, Practice D-4, Contour Stripcropping.

Payment rate: $1.50 per acre.

(iii) *Practice D-3; contour farming drilled crops.* (*a*) Farming small grains, sorghums, or millets with all cultural operations performed parallel to established contour lines will qualify. No payment will be made for this practice on any acreage for which payment is made under subdivision (iv) of this subparagraph, Practice D-4, Contour Stripcropping.

Payment rate: $0.75 per acre.

(*b*) Farming small grains, sorghums, or millets with the seeding operations performed paralled to established contour lines will qualify. No payment will be made for this practice on any acreage for which payment is made under (*a*) of this subdivision, or under subdivision (iv) of this subparagraph, Practice D-4, Contour Stripcropping.

Payment rate: $0.25 per acre.

(iv) *Practice D-4; Establishing contour stripcropping.* Establishment of two or more strips of intertilled row crops or fallow protected by two or more strips of close-grown crops or stubble, where the strips are established on the contour, will qualify. Applicable only on cropland. Seeded grass strips may be substituted in whole or in part for one or more of the protective strips. The strips of intertilled row crops or fallow must not average less than ½ rod or more than 12 rods in width except upon prior approval of the county committee, who may approve widths not to exceed 20 rods.

Payment rate: $4.00 per acre.

(v) *Practice D-5, field stripcropping not on the contour.* Two or more alternate strips of intertilled row crops or fallow protected by two or more strips of close-grown crops or stubble will qualify. Listed corn may be used as protective strips for strips of beans, beets or potatoes on irrigated land. The strips of intertilled row crops or fallow must not average less than ½ rod or more than 12 rods in width except upon prior approval of the county committee, who may approve widths not to exceed 20 rods. No payment will be made for this practice on any acreage for which payment for establishment or maintenance of contour stripcropping has been made under previous programs.

Payment rate: $0.50 per acre.

(vi) *Practice D-6; contour furrowing or pitting of grazing land.* Furrowing on the contour with furrows having a minimum cross-section area of 16 square inches, spaced not more than 5 feet apart horizontally or 1 foot vertically will qualify. An 8-foot width of pitting operation by an eccentric disk or other suitable implement may be used in lieu of a furrow. Seeding of the contour furrows or pitted area may be required by the county committee.

Payment rate: $1.50 per acre.

(vii) *Practice D-7; subsoiling cropland to a depth which effectively shatters the hardpan or plow sole.* The subsoiler must be used when the ground is dry.

Payment rates: (*a*) Spacing between furrows not in excess of 4 feet when done as a separate operation from any seedbed preparation:

(*1*) Subsoiling to a depth of not less than 18 inches, $2.25 per acre.

(*2*) Subsoiling to a depth of less than 18 inches but not less than 10 inches, $1.50 per acre.

(*b*) Spacing between furrows in excess of 4 feet, but not in excess of 7 feet when done as a separate operation from any seed-bed preparation:

(*1*) Subsoiling to a depth of not less than 18 inches, $1.50 per acre.

(*2*) Subsoiling to a depth of less than 18 inches, but not less than 10 inches, $0.65 per acre.

(*c*) When done with a plow attachment approved by the county committee to a depth of not less than 10 inches, $0.65 per acre.

(viii) *Practice D-8; crop residue management.* Partial incorporation of straw into the surface soil where cultivation operations are carried out in such a manner and with such implements so as to leave sufficient straw on the surface at all times to prevent wind or water erosion will qualify. Pitting of the area may be required by the county committee. This practice is applicable only on acreages where crop residue management presents a problem. No payment will be made if the acreage has been burned or the straw removed.

Payment rate: $0.60 per acre where one or more tillage operations are performed in the fall of the same year the crop was grown.

(ix) *Practice D-10; listing for erosion control.* Unprotected cropland contour listed, contour chiseled, or listed or chiseled at right angles to prevailing winds, or pitted, except when carried out as a part of a seeding operation will qualify. The operation must be carried out as many times as determined necessary by the county committee but only one acreage payment will be made.

Payment rates: (*a*) $0.60 per acre when used to protect summer fallowed land.

(*b*) $0.30 per acre on other land.

(x) *Practice D-11, sod waterways.* Establishing permanent sod waterways where it is necessary to establish a permanent vegetative cover in a waterway channel or a terrace outlet to control water erosion. The channel of the waterway must be sufficiently wide at all points to carry all water diverted into it under conditions of maximum probable rainfall but payment will be limited to a maximum average width of 50 feet. No payment will be made for waterways with an average width of less than 20 feet. Payment for waterways established by lifting farm implements when breaking out sod or hayland is limited to the first year on the field.

Payment rates: (*a*) $0.75 per 1,000 square feet of waterways established by shaping, seeding, or sodding.

(*b*) $0.25 per 1,000 square feet of waterways established by lifting farm implements when breaking out sod or hayland.

(xi) *Practice D-12; construction or enlargement of open farm drainage ditches.* No payment will be made for cleaning a ditch or for any material excavated in connection with subdivision (xii) of this subparagraph, Practice D-13, Construction of Tile or Fibre Drains.

Payment rate: $0.03 per cubic yard of earth excavated.

(xii) *Practice D-13; construction of tile or fibre drains.* No payment will be made for tile or fibre of less than 4 inches diameter.

Payment rates: (*a*) Drainage tile:

(*1*) 4 inches in diameter $0.16 per linear foot.

(*2*) 6 inches in diameter $0.33 per linear foot.

(*3*) 8 inches or larger in diameter, $0.50 per linear foot.

(*b*) Fibre pipe:

(*1*) 4 inches in diameter $0.14 per linear foot.

(*2*) 6 inches in diameter $0.18 per linear foot.

(*3*) 8 inches or larger in diameter, $0.26 per linear foot.

(xiii) *Practice D-14; irrigation practices.* (*a*) Reorganization of permanent farm irrigation systems in accordance with a comprehensive plan. Applicable only to systems under which all lands benefited have valid water rights and for which an adequate supply of water is available. No payment will be made for repairs and maintenance.

Payment rates: (*1*) $0.03 per cubic yard of earth moved in the construction, relocation or enlargement of permanent ditches and dikes. Payment shall not be made for cleaning.

(*2*) Lining of permanent ditches and reservoirs for prevention of seepage and erosion:

(*i*) 50 percent of cost not to exceed $0.50 per 100 pounds of bentonite used.

(*ii*) $9.00 per cubic yard of rubble masonry.

(*iii*) $10.00 per cubic yard of concrete.

(*3*) Installation of checks, drops, weirs, diversion gates, wasteways, siphons, pipes, chutes, or flumes to prevent erosion and improve the control and distribution of irrigation water:

(*i*) $10.00 per cubic yard of concrete.
(*ii*) $6.00 per cubic yard of rubble masonry.
(*iii*) $0.065 per board foot of lumber treated by a process approved by the State committee.
(*iv*) $2.00 per linear foot or 24-inch metal or reinforced concrete pipe, or the diameter equivalent.
(*v*) $1.50 per linear foot of 24-inch plain concrete, glazed clay tile, or the diameter equivalent.
(*vi*) $0.18 per linear foot of 6-inch fibre pipe, or the diameter equivalent.
(*vii*) $0.85 per linear foot of 24-inch metal flume or the diameter equivalent.
(*viii*) Prefabricated metal measuring devices, checks and drops—50 percent of the manufacturer's f. o. b. price.
(*ix*) Steel or cast iron diversion gates—50 percent of the manufacturer's f. o. b. price.
(*x*) Malleable iron lateral gates—50 percent of the manufacturer's f. o. b. price.

(*b*) *Construction or enlargement of small irrigation reservoirs.* The design, specifications, and supervision of construction must be handled by a competent engineer for all earthen dams impounding water in excess of 20 feet in depth and for concrete or rubble masonry dams. All designs and specifications must be approved by the State committee prior to construction.

Payment rates: (*1*) $0.08 per cubic yard of earth moved into the embankment.
(*2*) Concrete or rubble masonry used in the construction of spillways, dams, core walls, pipe collars, inlet and outlet structures:
(*i*) $10.00 per cubic yard of concrete.
(*ii*) $6.00 per cubic yard of rubble masonry.

(*c*) *Land leveling.* Major leveling of irrigable land with a dirt carrying implement to prevent erosion and to permit control and uniform distribution of irrigation water. This practice may be paid for on a given acreage only once, and only the acreage on which cut and fill occur in leveling operations may be included for payment.

Payment rate: $0.08 per cubic yard of cut or fill not to exceed $12.00 per acre of land on which cut and fill occur.

(xiv) *Practice D–16; erosion control, diversion, and water spreading structures.* (*a*) Construction of dams or dikes for erosion control and the diversion and spreading of flood water. Small outlet pipes from 3 inches to 6 inches in diameter may be installed to regulate spreader flow.

Payment rates: (*1*) $0.08 per cubic yard of earth moved.
(*2*) Concrete structures—$10.00 per cubic yard.
(*3*) Rubble masonry structures—$6.00 per cubic yard.
(*4*) $0.25 per linear foot of 3-inch metal pipe or the diameter equivalent.
(*5*) $0.09 per linear foot of 3-inch fiber pipe or the diameter equivalent.

(*b*) *Construction or enlargement of permanent ditches for the diversion and spreading of flood water* All ditches must be constructed on a non-erosive grade and must have a cross-sectional area sufficient to carry the anticipated run-off.

Payment rate: $0.08 per cubic yard of earth moved.

(*c*) *Construction of rock or rock and brush dams.* The spacing between dams shall be such that the gradient between the base of one dam and the crest of each succeeding dam below is non-erosive.

Payment rate: $1.50 per cubic yard of rock used.

(xv) *Practice D–17 riprap.* The construction of riprap along streambanks, in gullies, on the water face of dams, in spillway channels, or in water courses that will adequately control erosion and protect farmland will qualify. Flat surface riprap may be constructed of rock, timber, willow mats, or combinations of these or other similar type materials approved by the county committee. Deflector type riprap will qualify when constructed with rock-filled cribs or other similar type material approved by the county committee.

Payment rates: (*a*) $0.50 per square yard of flat surface riprap.
(*b*) $1.50 per cubic yard of material contained in deflector-type riprap.

(xvi) *Practice D–18; construction of flumes or chutes.* The construction of flumes or chutes in natural water courses, outlet channels or ditches to control erosion will qualify.

Payment rates: (*a*) $10.00 per cubic yard of concrete.
(*b*) $6.00 per cubic yard of rubble masonry.
(*c*) $2.00 per linear foot of 24-inch metal or reinforced concrete pipe, or the diameter equivalent.
(*d*) $1.50 per linear foot of 24-inch plain concrete pipe, glazed clay, tile, or the diameter equivalent.
(*e*) $0.18 per linear foot of 6-inch fibre pipe, or the diameter equivalent.

(4) *Range and pasture practices.* The following range practices specified in subdivision (i) E–2, Dams and Pits; subdivision (ii), E–3, Wells; subdivision (iii) E–4, Springs and Seeps; subdivision (iv), E–5, Improvement of Permanent Grazing Land; subdivision (vi) E–7, Fences; subdivision (viii) E–12, Pipelines; subdivision (ix) E–13, Construction or Installation of Additional Large Water Storage; and subdivision (x) E–14, Stock Trails, of this subparagraph, may not be approved on any unit unless the operator shows to the satisfaction of the county committee that the performance of such practices will bring about a better distribution of livestock or will improve management and seasonal use of pastures on the unit. A grazing land management plan on Form ACP–154 will not be required; however, the operator, together with the county committee, must indicate on a complete range management map for the unit all of the proposed practices and their locations. All the existing watering places, fences, and other improvements on the range land must be shown by approved symbols on such maps to aid the operator and county committee in determining the necessity for additional improvements.

Payment will not be made for the following range and pasture practices on grazing land where overgrazing has occurred on the unit during the current program year.

(i) *Practice E–2; construction or enlargement of dams or pits for livestock water.* The design, specifications, and supervision of construction must be handled by a competent engineer for all earthen dams impounding water in excess of 20 feet in depth and for concrete or rubble masonry dams. Payment will be made only for the yardage excavated when constructing pits.

Payment rates: (*a*) $0.08 per cubic yard of earth moved.
(*b*) Concrete or rubble masonry used in the construction of spillways, dams, core walls, pipe collars, inlet and outlet structures:
(*1*) $10.00 per cubic yard of concrete.
(*2*) $6.00 per cubic yard of rubble masonry.
(*c*) $0.25 per linear foot of 3-inch metal or reinforced concrete pipe, or the diameter equivalent used in the construction of outlets, but not to exceed $0.50 per linear foot.
(*d*) $0.09 per linear foot of 3-inch fibre pipe or the diameter equivalent used in the construction of outlets, but not to exceed $0.18 per linear foot.
(*e*) Lining reservoirs with bentonite—50 percent of the cost, not to exceed $0.50 per 100 pounds of bentonite used.

(ii) *Practice E–3; wells.* Drilling, digging or deepening wells to provide adequate water for livestock, better management of grazing land and better distribution of livestock. No payment will be made for a dry hole or for wells developed at or for the use of any headquarters. Adequate water storage facilities must be provided. Pumping equipment must be provided, except for artesian wells.

Payment rates: (*a*) $1.00 per linear foot of well with bore taking casing less than 4 inches, but not less than 2 inches in diameter, and artesian wells.
(*b*) $2 per linear foot of well with bore taking casings not less than 4 inches in diameter.

(iii) *Practice E–4; springs and seeps.* Development of springs or seeps for the purpose of providing livestock water where better management of grazing land and distribution of livestock results. Adequate water storage facilities must be provided. No payment for a single development shall be made in an amount greater than $200.

Payment rates: The larger of:
(*a*) $0.50 per cubic foot of excavation in rock; and
(*b*) $0.30 per cubic foot of excavation in dirt or gravel; or
(*c*) $0.50 per cubic foot of metal, wooden, concrete, or rubble masonry storage installed and available to livestock.

(iv) *Practice E–5, improvement of permanent grazing land.* Applicable only to land which is now and will be used as permanent non-irrigated or subirrigated grazing land. No payment will be made for this practice on any acreage on which controlled irrigation is to be developed.

(*a*) *Willow and greasewood removal.* All plants must be completely removed from the soil and disposed of in a manner satisfactory to the county committee.

Payment rate: 50 percent of the cost of clearing, not to exceed $5 per acre of land cleared.

(*b*) *Sagebrush and cactus removal.* The plants must be completely removed from the soil by a sharp-edged blade or any other suitable instrument and disposed of in a manner satisfactory to the county committee.

Payment rate: 50 percent of the cost of clearing, not to exceed $2 per acre of land cleared.

(c) *Railing of sagebrush.* At least 80 percent of the stand must be eliminated. The county committee may require more than one railing but only one acreage payment will be made.

Payment rate: $0.50 per acre of brush railed.

(v) *Practice E-6; pasture seeding.* Adapted grasses or legumes used in seeding cropland pastures and permanent grazing land.

Payment rates: (a) $0.80 per pound of ladino, strawberry, or white Dutch clover, intermediate wheat grass, and Russian wild rye grass.

(b) $0.60 per pound of Indian rice grass.

(c) $0.35 per pound of alsike clover, red clover, meadow fescue, tall oat and reed canary grass.

(d) $0.25 per pound of alfalfa and orchard grass.

(e) $0.15 per pound of bromegrass, grama grass, wheat grasses, red top and blue grass.

(f) $0.10 per pound of other adapted grasses and legumes not qualifying above at a higher rate.

(vi) *Practice E-7; fences.* Construction of fences for the sole purpose of controlling livestock grazing by forage type areas or pasture areas and to permit better forage management. Payment will be made only for new fences, constucted entirely of new material and located on eligible program land.

Payment rate: 50 percent of the cost of material used but not in excess of $1.00 per rod of fence constructed.

(vii) *Practice E-10; fireguards.* Applicable only for the protection of grazing land. Fireguards must be at least 10 feet wide. Parallel strips not less than 5 feet in width will qualify when burned off between, but no credit shall be allowed for the burned strip. Fireguards must be kept clean during the fire season.

Payment rate: $1.20 for each 1,000 linear feet.

(viii) *Practice E-12; pipe lines.* Installation of pipe lines to convey water from a proven source to a location where water is needed for proper grazing land management through proper livestock distribution. The pipe must be of standard quality not less than ¾-inch in diameter. The pipe line must be protected to prevent damage from freezing.

Payment rates: (a) $0.07 per foot of ¾-inch pipe.

(b) $0.13 per foot of 1-inch pipe.

(c) $0.15 per foot of 1¼-inch pipe.

(d) $0.17 per foot of 1½-inch pipe.

(e) $0.23 per foot of 2-inch pipe or larger.

(ix) *Practice E-13; construction or installation of additional large water storage.* Payment will be made for the installation of permanent large water storage, in addition to any storage previously provided as a source of livestock water supply. Construction must be of concrete, rubble masonry, cement staves, redwood or metal.

Payment rates: The smaller of:

(a) The sum of:

(1) 50 percent of the cost of materials used other than concrete or rubble masonry;

(2) 50 percent of the cost of concrete, but not to exceed $10.00 per cubic yard; and,

(3) 50 percent of the cost of rubble masonry, but not to exceed $9.00 per cubic yard, or

(b) $0.20 per cubic foot of additional and necessary water storage capacity provided.

(x) *Practice E-14; stock trails.* Construction of trails for actual travel use by livestock to and from inaccessible areas of grass or water, where such trails will accomplish better grazing land management and distribution of livestock in the area. Payment will be made only on trails through terrain impassible to livestock during the season in which the area is normally grazed.

Payment rate: 50 percent of cost, not to exceed $20 per 100 linear feet.

(5) *Forestry practices*—(i) *Practice F-2; planting trees and shrubs.* The plantings must be protected from fire and grazing, and cultivated in accordance with good tree culture. A minimum of 200 trees per acre shall be planted and a stand of at least 160 living trees must be attained when performance is checked. Broadleaf trees shall be at least 1-year-old stock and evergreens 3-year-old stock.

Payment rate: $7.50 per acre.

(ii) *Practice F-3; maintaining a stand of trees and shrubs in windbreaks.* Payment will be made for cultivation, protection from fire and grazing and replanting, if necessary, a good stand of at least 160 living trees per acre. Applicable only to windbreaks planted after December 31, 1942, but prior to January 1, 1948.

Payment rate: $3.00 per acre.

(6) *Miscellaneous practices*—(i) *Practice H-3; clearing land for tillage or irrigated pastures or rotation pastures.* The land must be in a satisfactory condition to permit the planting of a crop. No payment will be made for this practice on any acreage for which payment is made under subdivision (xiii) (c) of subparagraph (3) of this paragraph, Practice D-14-c, Land Leveling, or for clearing a merchantable stand of timber of pulp wood. This practice may be approved only when the county committee determines that the clearing is necessary for the conservation or better use of other land in the farm.

Payment rate: 50 percent of the cost involved in the removal of trees and willows from densely wooded areas, but not in excess of $8.00 per acre cleared.

(ii) *Practice H-4; control of perennial noxious weeds.* Applicable only to the following weeds: Bindweed or perennial morning glory, whitetop or hoary cress, Russian knapweed, poverty weed, burdock, perennial sow thistle, Canada thistle, leafy spurge and perennial ragweed. Where State and county aid is received in legal weed control districts, the payment will be reduced as provided in subparagraph (5) paragraph (b) of this section.

Approved weed control measures must be carried out on all infested land on the farm. This practice may be approved outside of active organized weed control districts only if (b) the infestation is limited to a single farm; (a) approved weed control measures are being carried out on all adjacent infested farms and contiguous land; or (c) the county committee determines that there is no likelihood of reinfestation from adjacent farms or contiguous lands. No crop may be taken from the land where clean cultivation is used.

(a) *Eradication by continuous cultivation.* No payment will be made for this practice unless the noxious weeds listed above have been completely eradicated from the acreage for which payment is to be made.

Payment rate: $7.50 per acre of perennial noxious weeds eradicated.

(b) Control of perennial noxious weeds by the application of approved chemicals, excluding oil.

Payment rate: (1) Application of approved chemicals other than borax or 2,4-D, 50 percent of cost of chemical, not to exceed $0.10 per pound of approved chemical applied.

(2) Borax (agricultural mesh) $0.02 per pound applied.

(3) Borax (special concentrates undried) $0.018 per pound applied.

(4) 50 percent of cost of parent acid not to exceed $1.75 per pound of 2,4-D applied.

(iii) *Practice H-5, local conservation practices.* The county committee may select, with prior approval of the State committee and technical committee and the concurrence of the ACP Branch, one practice of a local nature not included in the National Bulletin § 701.903 (12 F. R. 6679) which has a definite soil or water conservation value or which will maintain or increase soil fertility or conserve and increase range and pasture forage and will meet special needs in the county. The seeding of grasses or legumes will not be approved as a local conservation practice. The practice selected under this authority must be carried out under specifications approved by the State committee. The State committee shall determine the amount of funds which may be expended on this practice in any county.

Payment rate: The rate recommended by the county committee and approved by the State committee with the concurrences of the ACP Branch, except that the rate should not exceed that percentage of the cost specified as the maximum for a practice of a similar type included in the National Bulletin § 701.903 (12 F. R. 6679).

(iv) *Practice H-6; special conservation practice.* With approval of the State committee, the county committee may select for use in the county one practice included in the National Bulletin § 701.903 (12 F. R. 6679) for which there is a need locally, but which is not selected for use in this paragraph.

Payment rate: The rate recommended by the county committee and approved by the State committee, except that the rate may not be in excess of the maximum rate set forth in the National Bulletin § 701.903 (12 F. R. 6679).

(Secs. 7-17, 49 Stat. 1148-1151, as amended, 60 Stat. 663, Pub. Laws 249, 266, 80th Cong., 16 U. S. C. and Sup. 590g-590q)

Approved: November 28, 1947.

[SEAL] THOMAS B. JOYCE,
Acting Director, Agricultural Conservation Programs Branch.

[F. R. Doc. 47-10718; Filed, Dec. 4, 1947; 8:46 a. m.]

TITLE 10—ARMY

Chapter VII—Personnel

PART 708—DECORATIONS, MEDALS, RIBBONS, AND SIMILAR DEVICES

MISCELLANEOUS AMENDMENTS

1. Paragraph (m) (3) of § 708.2 (12 F R. 4021) is rescinded, and paragraph (m) (1) (2) and (4) is changed to read as follows:

§ 708.2 *To whom decorations awarded.* * * *

(m) *Army Commendation Ribbon.* (1) The Army Commendation Ribbon is awarded to members of the armed forces who, while serving in any capacity with the Army, on or after December 7, 1941, distinguished themselves by meritorious achievement or meritorious service.

(2) The meritorious achievement or meritorious service required is less exceptional than that required for the Legion of Merit but nevertheless must be accomplished with distinction. Exactly the same degree of meritorious achievement or meritorious service is required as that for which the Bronze Star Medal and/or the Air Medal are awarded. The Army Commendation Ribbon may be awarded when the operational requirements for award of the Bronze Star Medal or the Air Medal are not fully met. It is particularly desired that the Army Commendation Ribbon be awarded to outstanding company-grade officers, warrant officers, and enlisted men whose achievement or service meets the standards required. An Army Commendation Ribbon will not be awarded for the same period of service or achievement for which the Bronze Star Medal or Air Medal has been awarded.

(3) [Rescinded.]

(4) Those individuals who, as members of the armed forces of the United States, were commended on or after December 7, 1941 and prior to January 1, 1946 in a letter of commendation or certificate of commendation by a major general, or officer occupying the position vacancy of a major general, for meritorious achievement or meritorious service, may make application to The Adjutant General, Washington 25, D. C., for award of the Army Commendation Ribbon on the basis of such commendation.

[Par. 17.1 AR 600-45, Sept. 22, 1943, as amended by C 13, Nov. 4, 1947] (R. S. 1296; 10 U. S .C. 1391)

2. Rescind paragraph (b) of § 708.48 (12 F. R. 1051) and substitute the following therefor:

§ 708.48 *Army of Occupation Medal.* * * *

(b) *Requirements.* Service for 30 consecutive days at a normal post of duty (as contrasted to inspector, visitor, courier, escort, passenger status, temporary duty, or detached service) while assigned, or permanently attached, to any of the following Armies of Occupation:

(1) Army of Occupation of Germany or Austria between May 9, 1945 and a terminal date to be announced later in Germany or Austria. (Service between May 9, 1945 and November 8, 1945 will be counted only if the European-African-Middle Eastern Campaign Medal was awarded for service prior to May 9, 1945.)

(2) Army of Occupation of Italy between May 9, 1945 and September 15, 1947 in the compartment of Venezia Giulia E. Zara or Province of Udine, or with a unit in Italy as designated in General Orders 4, Department of the Army, 1947. (Service between May 9, 1945 and November 8, 1945 will be counted only if the European-African-Middle Eastern Campaign Medal was awarded for service prior to May 9, 1945.)

(3) Army of Occupation of Japan or Korea between September 3, 1945 and a terminal date to be announced later in the four main islands of Hokkaido, Honshu, Shikoku, and Kyushu, the surrounding smaller islands of the Japanese homeland, the Ryukyu Islands, the Bonin-Volcano Islands, or Korea. (Service between September 3, 1945 and March 2, 1946 will be counted only if the Asiatic-Pacific Campaign Medal was awarded for service prior to September 3, 1945.)

[Par. 29, AR 600-65, Dec. 20, 1946, as amended by C 1, Oct. 2, 1947] (R. S. 1296; 10 U. S. C. 1391)

[SEAL] EDWARD F WITSELL,
Major General,
The Adjutant General.

[F. R. Doc. 47-10688; Filed, Dec. 4, 1947; 8:46 a. m.]

TITLE 16—COMMERCIAL PRACTICES

Chapter I—Federal Trade Commission

[Docket No. 5424]

PART 3—DIGEST OF CEASE AND DESIST ORDERS

PERMA-PLASTIC-SEAL CO.

§ 3.6 (a 10) *Advertising falsely or misleadingly—Comparative data or merits:* § 3.6 (j 10) *Advertising falsely or misleadingly—History of product or offering:* § 3.6 (n) *Advertising falsely or misleadingly—Nature—Product:* § 3.6 (t) *Advertising falsely or misleadingly—Qualities or properties of product or service:* § 3.6 (ff 10) *Advertising falsely or misleadingly—Unique nature or advantages:* § 3.66 (d) *Misbranding or mislabeling—Nature:* § 3.96 (a) *Using misleading name—Goods—Nature:* § 3.96 (b) *Using misleading name — Vendor — Products.* I. In connection with the offering for sale, sale and distribution in commerce, of respondents' product now designated "Perma-Plastic-Seal" or any product of substantially similar composition or possessing substantially similar properties, under whatever name sold, representing, directly or by implication, that said product (1) seals surfaces permanently (2) is a remarkable new laboratory discovery; (3) differs from all other floor finishes; (4) is suitable for covering every type of surface; (5) produces a cellophane-type surface; (6) dries rapidly under all conditions; (7) out-performs wax in every way (8) will last for months under heavy traffic; (9) rejuvenates old flooring or restores the original color of flooring; (10) creates a non-skid or slip-proof condition; or, (11) resembles tile; and, II, in connection with the offering for sale, sale and distribution in commerce of said product, or any product of substantially similar composition or possessing substantially similar properties, using the word "Plastic" or any word of similar import, in respondents' trade name or in the name of said product; or otherwise representing, directly or by implication, that said product is a plastic; prohibited. (Sec. 5, 38 Stat. 719, as amended by sec. 3, 52 Stat. 112; 15 U. S. C., sec. 45b) [Cease and desist order, Perma-Plastic-Seal Company, Docket 5424, November 3, 1947]

At a regular session of the Federal Trade Commission held at its office in the City of Washington, D. C., on the 3d day of November A. D. 1947.

In the Matter of Elmer L. Boyd, Herma Lou Boyd, and Elizabeth Epps, Individually, and Trading as Perma-Plastic-Seal Company

This proceeding having been heard by the Federal Trade Commission upon the complaint of the Commission, the answer of respondents, a stipulation of facts entered into between counsel supporting the complaint and counsel for respondents, recommended decision of the trial examiner, and brief in support of the complaint (no brief having been filed on behalf of respondents and oral argument not having been requested) and the Commission having made its findings as to the facts and its conclusion that the respondents have violated the provisions of the Federal Trade Commission Act:

It is ordered, That the respondents, Elmer L. Boyd, Herma Lou Boyd, and Elizabeth Epps, individually and trading as Perma-Plastic-Seal Company, or trading under any other name, and their representatives, agents, and employees, directly or through any corporate or other device, in connection with the offering for sale, sale and distribution in commerce, as "commerce" is defined in the Federal Trade Commission Act, of respondents' product now designated "Perma-Plastic-Seal", or any product of substantially similar composition or possessing substantially similar properties, under whatever name sold, do forthwith cease and desist from representing, directly or by implication:

1. That said product seals surfaces permanently.
2. That said product is a remarkable, new laboratory discovery.
3. That said product differs from all other floor finishes.
4. That said product is suitable for covering every type of surface.
5. That said product produces a cellophane-type surface.
6. That said product dries rapidly under all conditions.
7. That said product out-performs wax in every way.
8. That said product will last for months under heavy traffic.
9. That said product rejuvenates old flooring or restores the original color of flooring.
10. That said product creates a non-skid or slip-proof condition.

11. That said product resembles tile.

It is further ordered, That the respondents and their representatives, agents, and employees, directly or through any corporate or other device, in connection with the offering for sale, sale and distribution in commerce, as "commerce" is defined in the Federal Trade Commission Act, of said product, or any product of substantially similar composition or possessing substantially similar properties, do forthwith cease and desist from:

Using the word "Plastic" or any word of similar import, in respondents' trade name or in the name of said product; or otherwise representing, directly or by implication, that said product is a plastic.

It is further ordered, That the respondents shall, within sixty (60) days after service upon them of this order, file with the Commission a report in writing setting forth in detail the manner and form in which they have complied with this order.

By the Commission.

[SEAL] WM. P. GLENDENING, Jr., *Acting Secretary.*

[F. R. Doc. 47-10681; Filed, Dec. 4, 1947; 8:49 a. m.]

TITLE 14—CIVIL AVIATION

Chapter I—Civil Aeronautics Board

[Supp. 1]

PART 42—NON-SCHEDULED AIR CARRIER CERTIFICATION AND OPERATION RULES

INSTRUMENT APPROACH AND LANDING RULES

The following specifications relating to the Code of Federal Regulations, Title 14, Chapter I, Part 42, § 42.37 are hereby adopted:

§ 42.37 *Instrument approach and landing rules.* * * *

(CAA Specifications)

NOTE: See the Code of Federal Regulations, Title 14, Chapter II, Part 609.

(52 Stat. 973, 984, 985, 986; 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458)

These specifications shall become effective upon publication in the FEDERAL REGISTER.

[SEAL] F. B. LEE, *Acting Administrator.*

[F. R. Doc. 47-10434; Filed, Nov. 28, 1947; 8:46 a. m.]

[Supp. 3]

PART 60—AIR TRAFFIC RULES

INSTRUMENT APPROACH PROCEDURE

The following specifications relating to the Code of Federal Regulations, Title 14, Chapter I, Part 60, § 60.306 are hereby adopted:

§ 60.306 *Instrument approach procedure.* * * *

(CAA Specifications)

NOTE: See the Code of Federal Regulations, Title 14, Chapter II, Part 609.

(52 Stat. 973, 984, 985, 986; 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458)

These specifications shall become effective upon publication in the FEDERAL REGISTER.

[SEAL] F. B. LEE, *Acting Administrator.*

[F. R. Doc. 47-10435; Filed, Nov. 28, 1947; 8:46 a. m.]

Chapter II—Administrator of Civil Aeronautics, Department of Commerce

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURE

It appearing that the Administrator of Civil Aeronautics has been authorized under the Civil Aeronautics Act of 1938, as amended, and the Civil Air Regulations issued pursuant thereto, to prescribe standard instrument approach procedures; that the procedures have been distributed to the public and interested persons have had ample opportunity to comment upon them; that in the public interest the procedures should be published without delay; and that compliance with the notice and procedure requirements of the Administrative Procedure Act would be impractical.

Now therefore, acting pursuant to the authority vested in me by sections 205, 301, 302, 306, 307, and 308 of the Civil Aeronautics Act of 1938, as amended (52 Stat. 973, 984, 985, 986; 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458) and §§ 42.37 and 60.306 of the Civil Air Regulations, and in accordance with the Administrative Procedure Act (Pub. Law 404, 79th Cong., Chapter 324, 2d sess.) I hereby adopt Part 609 of the regulations of the Administrator to read as follows:

Sec.
609.1 Introduction.
609.2 Ceiling and visibility minimums.
609.3 Directive.

AUTHORITY: §§ 609.1 through 609.3 issued under 52 Stat. 973, 984, 985, 986; 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458.

§ 609.1 *Introduction.* (a) The following standard instrument approach procedures include approved let-down altitude over field and visibility minimums for non-scheduled civil flying. Although these letdown minimums differ occasionally from those approved for scheduled air-carrier and those established by the armed services, the pattern or track and other minimums are identical for all agencies.

(b) Initial approach altitudes normally give 1000 feet clearance above all obstructions within 10 miles on either side of the center of the on-course signal from the radio fix specified. No attempt has been made to establish minimum altitudes for initial approaches on off-airway courses not served by radio fixes. Such range courses are indicated by the phrase "minimum en route altitude."

(c) If the range-associated airport is more than 7 miles from the range, contact must be established over the range on the final approach, and CFR complied with from range to airport.

(d) This policy is of the same nature as that covering a multiple-airport range. This latter policy directs all traffic first to the key (range-associated) airport and thence by CFR operations from over that airport to one or more procedure-approved airports in the same area.

(e) The following tabulation contains a limited amount of information. Because of the rugged terrain adjacent to many of these range-associated airports, it is recommended that the Coast and Geodetic Survey charts, especially the Approach and Landing Charts, covering the area where an instrument let-down is proposed, be carefully studied before an approach is made.

(f) Revisions of, or additions to these procedures will be published in the FEDERAL REGISTER, Code of Federal Regulations, and Airman's Guide.

§ 609.2 *Ceiling and visibility minimums*—(a) *R—Regular approach minimums.* Regular approach minimums apply to all types of aircraft except aircraft having stall speeds, as established in the Airplane Operating Manual, of 75 m. p. h. or less at maximum certificated landing weight with full flaps, landing gear extended, and power off, which are authorized to operate into airports with ceiling minimums 100 feet lower and visibility minimums ½ miles less than the published regular approach minimums, but in no case less than ceiling 500 feet and visibility 1 mile, or less than the authorized straight-in approach minimums, whichever is higher.

(b) *S—Straight-in approach minimums.* Straight-in approach minimums are authorized only when landing can be accomplished straight in from the navigational facility being used to the near end of the runway without exceeding 500 feet per minute rate of descent and without change of direction of more than 30 degrees.

(c) *A—Alternate minimums.* Alternate minimums apply to all types of aircraft when an alternate airport is required.

(d) *T—Take-off minimums.* Take-off minimums apply to all types of aircraft.

(e) *NA—Procedure not authorized.*

§ 609.3 *Directive.* Under Civil Air Regulation § 42.37 of the Civil Air Regulations a pilot conducting non-scheduled air carrier operations in interstate, overseas, or foreign air transportation shall use a standard instrument approach procedure for the airport authorized by the Administrator. Under Civil Air Regulation 60.306 a pilot operating a civil aircraft within the United States, its territories and possessions, and making an instrument let-down to an airport shall use a standard instrument approach procedure prescribed for that airport by the Administrator unless a different procedure is authorized. Under authority of these two regulations, I hereby prescribe the following standard instrument approach procedures which shall be used unless otherwise authorized by the Administration:

(a) *Low frequency ranges*

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt. over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis. mi	
Aberdeen, S. Dak: Aberdeen Air port, el 1 299′	N—Min. enroute alt. SE—3,000′ (Watertown Range) S—3 000′ (Huron Range). NW—3 500′ (Bismarck Range)	None	S	10 mi —2,500 E side S leg 15 mi —2 500 E side S leg 20 mi —2 500 E side S leg 25 mi —2 500 E side S leg	1 900	341°	2.5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 3,000 on N leg within 25 mi
Abilene, Tex.: Abilene Air Term el 1 758′	N—Min. enroute alt. E—4 000′ (Fort Worth range) E—3,000 (NW leg Waco) S—Min. enroute alt. W—4,000′ (Big Spring Range).	None	N	10 mi —3 000 W side N leg 15 mi —3 000 W side N leg 20 mi —3 000 W side N leg 25 mi.—3 000 W side N leg	2 500	180°	2 2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2.0 3 0 1 0	Climb to 4 000 within 25 mi. on S leg
Abilene AAF el. 1 791′.	(Make let-down to Abilene Air Terminal. Fly contact from Abilene Air Terminal to Abilene AAF)												
Acomita, N. Mex: CAA Int Field el 6 575′	N—Min. enroute alt. E—10,000′ (Albuquerque Range) S—Min. enroute alt. W—11,000′ (El Morro Range)	None	E	10 mi —9 000′ S side E leg 15 mi —9 000 S side E leg 20 mi —9 000 S side E leg. 25 mi —9 000 S side E leg.	7 600′	254°	1 9	R S A T	1 000 1 000 1 000	3.0 3 0 2 0	1 000 1 000 1,000	4.0 4 0 3 0	Make climbing left turn on S leg to 11 000′ within 25 mi
Advance, Mo: CAA Int Field el 355′	N—2,500′ (St. Louis Range) E—Min. enroute alt. S—2,000′ (Memphis Range) W—Min. enroute alt	None	S	10 mi —2 000 W side S leg 15 mi —2 000 W side S leg 20 mi —2 000 W side S leg 25 mi —2 000 W side S leg.	1 155	354	1 5	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	2 0 3 0 2 0	Climb to 2 000 on N leg
Akron, Colo: CAA Int Field el 4 585′	N—6 000′ (Cheyenne Range) E—6,000′ (Hayes Center Range) S—Min. enroute alt. W—7,000′ (Denver Range).	None	N	10 mi —6 000 W side N leg 15 mi —6 000 W side N leg 20 mi —6 000 W side N leg 25 mi —6,000 W side N leg	5 100	154	3 6	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 6 000′ on S leg
Akron, Ohio: Akron Airport el 1 042′	NE—2 500′ (Cleveland Range) NE—2,400 (Akron LFM). SE—2,500′ (S leg Youngstown) SW—2,400 (E leg Columbus). NW—2,500 (W leg Cleveland)	None	SW	10 mi —2 100 S side SW leg 15 mi —2 100 S side SW leg 20 mi —2 400 S side SW leg 25 mi —2 400 S side SW leg	1,800	45°	0 4	R S A T	700 1 000 400	1 5 3 0 1 0	700 1 000 400	1 5 3.0 1 0	Climb to 2,500 on NE leg
Alamogordo N. Mex: Alamogordo AAF, el 4,032′	N—Min enroute alt S—Min enroute alt. SW—14,000′ (NW leg El Paso) NE—Min enroute alt	10 mi. from range on N & S legs	N	10 mi —12 000 W side S leg 15 mi —12 000 W side S leg 20 mi —12 000 W side S leg 25 mi —12,000 W side S leg 10 mi —7 500′ W side N leg 15 mi —7 500′ W side N leg 20 mi —7 500 W side N leg 25 mi —7,500 W side N leg.	5 500	167°	6.5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	500 500 1,000 300	1 5 1 0 3.0 1 0	Climb to 14,000′ on N leg
Albany, Ga.: Turner Airport, el 215′	NE—Min enroute alt SE—Min. enroute alt. SW—Min. enroute alt. NW—3 000′ (Lawson Range)	None	NE	10 mi —2 500 W side NE leg 15 mi —2 500 W side NE leg 20 mi —2 500 W side NE leg 25 mi —2 500 W side NE leg	2 200	202	12 4	R S A T	2 000 2 000 300	1 0 1 0 1 0	2 000 2 000 300	2 0 2.0 1 0	If not contact over range, climb to 3,000′ on SW leg within 25 mi
Albany, N. Y.: Albany Airport el 233 Procedure No 1	N—4 000 (Burlington Range) N—1,200′ (Saratoga Springs FM) E—5,000 N leg Westfield). S—3,000′ (New Hackensack Range) W—3 000′ (Utica Range). W—2,500′ (Auriesville FM)	On N leg to 1,800 within 15 mi	N	10 mi —1 700 W side N leg 15 mi —1 800 W side N leg. 20 mi —1 800 W side N leg 25 mi —1 800 W side N leg	1 200′	195	3 1	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	2.0 2 0 3 0 1 0	Climb to 3,000′ on S leg.
Albany Airport, el 233 Procedure No 2	SW—1,300′ (Colonie LFM)	--		Straight—in approach only	1 300′ (over Colonie LFM)	15 (from Colonie LFM)	1 5						Climb to 1 800′ on N leg.
Schenectady Co Airport el. 362′	(Make let-down to Albany Airport Fly contact from Albany Airport to Schenectady County Airport)												
Troy Airport el 325′	(Make let-down to Albany Airport Fly contact from Albany Airport to Troy Airport.)							R S A T	1 000 1 000 1 000	1 0 1.0 3 0	1 000 1 000 1 000	2.0 2 0 3 0	
Albuquerque, N. M.; Kirtland Field el 5 330; ILS page 177	N—Min. enroute alt. E—11,000′ (S. leg Otto). S—9 000′ (Engle Range). S—6,300′ (Peralta FM, final) W—10,000′ (Acomita Range)	None	S	10 mi —8 000 W side S leg 15 mi —8 000 W side S leg 20 mi —8 000 W side S leg 25 mi —8 000 W side S leg	6 300	354°	3 1	R S A T	500 1 000 500	2 0 3 0 2 0	500 1 000 500	2.0 3 0 2.0	Make climbing left turn to 10 000′ on W leg
Alexandria, La.: Alexandria Air port el 88	NE—Min. enroute alt. SE—1,500′ (BatonRouge Range) SW—1,500′ (N leg Lake Charles) NW—Min. enroute alt	None	SE	10 mi —1 500′ E side SE leg 15 mi.—1 500′ E side SE leg 20 mi.—1 500 E side SE leg 25 mi.—1 500′ E side SE leg	1 000	310	5 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1.5 1 5 3 0 1 0	Climb to 1,500 on NW leg within 25 mi.
Alexandria Minn.: Alexandria Airport el 1 423′	N—Min. enroute alt. SE—2,600′ (Minneapolis Range) S—Min. enroute alt. NW—2,900′ (Fargo Range)	None	N	10 mi.—2,700′ W side N leg 15 mi—2,700′ W side N leg. 20 mi.—2 700′ W side N leg. 25 mi.—2 700′ W side N leg.	2,200	186	2.0	R S A T	700 700 1 000 300	1 5 1.0 3 0 1.0	700 700 1 000 300	1 5 1.5 3 0 1.0	Climb to 2 700′ on S leg within 25 mi.
Alice Tex.: Alice Airport el. 177′	N—1 500′ (S leg Alamo) E—1,400′ (Corpus Christi Range) S—1,200′ (SW leg Corpus Christi) W—2,600′ (Laredo Range)	None	W	10 mi.—1,300′ S side W leg 15 mi.—1,300′ S side W leg 20 mi.—1,300′ S side W leg. 25 mi.—1,300′ S side W leg.	1,000	72°	3.6	R S A T	500 500 1 000 300	1.5 1.0 3 0 1 0	500 500 1 000 300	1 5 1.5 3 0 1.0	Climb to 1 400′ on E leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt: Mag bear	Station to arpt: Dist. (mi)	Ceiling and visibility minimums	Day: Ceil ft	Day: Vis mi	Night: Ceil ft	Night: Vis mi	If contact not estab. over arpt; remarks
Allentown, Pa: Allentown Bethlehem Airport el 380'	NE—3,000 (NW leg La Guardia) E—2,600' (SW leg Nowark). SW—3,000' (SE leg Harrisburg) W—3 600' (S leg Williamsport) W—2,000 (Slatington FM)	None	NE	10 mi—2,600' E side NE leg. 15 mi —2 600 E side NE leg 20 mi —2 600 E side NE leg 25 mi —2 600' E side NE leg	1,500	192°	2 7	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	2 0 2 0 3 0 1 0	Turn right and climb to 3,000 on SW leg. 1,600' terrain on N side of NE leg
Alma Ga: Alma Airport el 200	NE—Min enroute alt.. ..... SE—1,500' (Jacksonville Range) SW-Min. enroute alt. NW—1,500' (Macon Range).	None	NW	10 mi —1,300' W side NW leg 15 mi —1 300' W side NW leg 20 mi —1,300' W side NW leg 25 mi —1 300' W side NW leg	800	144°	2.2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb on right side of SE leg to 1 500'
Altoona, Pa: Blair Co Airport, el 1 405'	N—3 600' (S leg Phillipsburg) E—3,800 (S leg Phillipsburg). S—3,800' (SE leg Pittsburgh) W—4 200' (E leg Pittsburgh)	None	N	10 mi —3,600' W side N leg 15 mi—3,600' W side N leg. 20 mi —3 600 W side N leg 25 mi —3 600 W side N leg	3,100'	203°	1 3	R S A T	1 000 . --- 1,000 500	2 0 . - 3 0 1 5	1 000 . --- 1 000 500	2 0 . - 3 0 1 5	Climb to 3,800' on S leg
Amarillo, Tex.: English Field, el. 3 604'. Procedure No 1, ILS page 177	N—Min. enroute alt..... E—4,700' (NE leg Clarendon) S—Min. enroute alt. W—5 200' (Tucumcari Range) W—4,400' (Soney FM, final)	None	W	10 mi —5 000 S side W leg 15 mi —5 000 S side W leg 20 mi —5 000 S side W leg 25 mi —5 000 S side W leg	4 400'	77°	2.1	R S A T	500 . --- 1,000 300	1 5 . - 3 0 1 0	500 . --- 1 000 300	1 5 . - 3 0 1 0	Climb to 4,700' on E leg
English Field, el 3,604' Procedure No 2	N—Min. enroute alt..... E—4 700' (NE leg Clarendon) E—4,200' (NW leg Clarendon, final) S—Min. enroute alt. W—5,200' (Tucumcari Range)	None	E	10 mi —4,700 N side E leg.... 15 mi —4 700 N side E leg 20 mi —4,700' N side E leg 25 mi —4,700 N side E leg	4,200' Over Amarillo LFM	257° (From Amarillo LFM).	1.0	.....					Over range climb to 5,200' on W leg
Andrews (Camp Springs) Md	No procedure approved												
Arcata, Calif	No procedure approved.												
Arcola, Va.....	No associated airport.												
Astoria, Oreg	No procedure approved												
Atlanta, Ga: Atlanta Airport, el. 1,005. Procedure No. 1 (AG range) ILS page 177	NE—3 000 (Spartanburg range).... NE—2,200' (Stone Mountain FM) SE—2,600' (Macon range). SE—*1,600' (Jonesboro FM, final). SE—*1,500' (ILS Outer Marker, final) SW—2,600' (Maxwell range) SW—2,200 (Madras FM). NW—3,000' (Chattanooga range) NW—2,200' (Smyrna FM).	None	SE	10 mi —2 100' E side SE leg 15 mi —2 100' E side SE leg 20 mi.—2 100 E side SE leg 25 mi.—2,100 E side SE leg.	1 600'	331°	1 0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 3 000' on NW leg. *Descent to cross rng at 1,600' may be started after passing ILS Outer Marker, if ILS Outer Marker not received final approach alt over rng is 1 500'
Atlanta Airport, el. 1,005. Procedure No 2, (AG range)	NE—3 000' (Spartanburg range).... NE—2,500 (Stone Mountain FM) SE—2,500' (Macon range). SW—2 000' (Maxwell range) SW—2,200' (Madras FM) NW—3 000 (Chattanooga range) NW—1,500 (Smyrna FM, final)	None	NW	10 mi —2 500 W side NW leg 15 mi.—3 000 W side NW leg 20 mi.—3 000 W side NW leg 25 mi.—3 000' W side NW leg	1,500 over East Pt LFM	151° (From East Pt. LFM)	3.5	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	2.0 2.0 3 0 1 0	Climb to 2,500' on SE leg
Atlanta NAS el 1,002' (NCQ range)	N—Min. en route alt..... E—3,000' (NE leg Atlanta) S—3,000' (Atlanta Range) W—Min. en route alt.	On N leg	W	10 mi —2 500 S side W leg 15 mi.—2 500 S side W leg 20 mi.—3 000 S side W leg 25 mi —3 000 S side W leg.	2,000	85°	3.2	R S A T	700 500 1 000 300	1 5 1 0 3 0 1 0	700 500 1,000 300	2.0 2.0 3.0 1 0	Climb to 3,000' on E leg.
Augusta, Ga: Daniel Field, el 424'	NE—1,000' (SE leg Spartanburg) E—1,500' (Charleston range) SW—1,600' (NW leg Alma) W—2,000' (NE leg Atlanta).	None	SW	10 mi.—1,000' S side SW leg 15 mi.—1 000 S side SW leg 20 mi.—1 000 S side SW leg 25 mi.—1 000' S side SW leg	1 100'	40°	2.1	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	2.0 2.0 3 0 1 0	Climb to 1,600 NE leg.
Augusta, Me: Augusta Airport, el 354'	NE—2,000' (SW leg Bangor) E—Min. en route alt.). SW—2,000' (Portland range) W—2 000' (SW leg Bangor)	None	SW	10 mi.—2 000 S side SW leg 15 mi.—2 000' S side SW leg 20 mi.—2 000 S side SW leg 25 mi —2 000 S side SW leg	1,300	81°	2.0	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	2 0 2 0 3 0 1 0	Climb to 2,000 on NE leg.
Austin, Tex.: Robert Mueller Arpt, el 620'	NE—2,000 (SE leg Waco)..... SE—2,100' (E leg San Marcos) SW—2 000 (N leg San Antonio-Kelly) SW—2,100 (N leg San Marcos). NW—2,300' (N leg San Antonio Kelly).	None	NW	10 mi.—2,100 W side NW leg 15 mi.—2,300' W side NW leg 20 mi 2,300' W side NW leg. 25 mi.—2 300' W side NW leg	1 500	117°	1 8	R S A T	500 . --- 1 000 300	1 5 . - 3 0 1 0	500 . --- 1,000 300	1 5 . - 3 0 1 0	Climb to 2,100 on SE leg
Bergstrom Field el 494'	(Make let down to Robert Mueller Airport Fly contact from Robert Mueller Airport to Bergstrom Field)							R S A T	1 000 . --- 1 000 1 000	1 0 . - 3 0 1 0	1,000 . --- 1 000 1 000	2.0 . - 3 0 2 0	
Hallo Field, el 725'	(Make let down to Robert Mueller Airport Fly contact from Robert Mueller Airport to Hallo Field)							R S A T	1 000 . --- 1,000 1 000	1 0 . - 3 0 1 0	1 000 . --- 1 000 1,000	2 0 . - 3 0 2.0	

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Baker, Oreg: Baker Airport el 3 368	NE—Min. en route alt. SE—8,500′ (Boise range) SW—Min. en route alt NW—10 000′ (Pendleton range)	To 8,000 SE leg within 20 mi	NW	10 mi —7 000 E side NW leg 15 mi —9 000 E side NW leg 20 mi —9 000 E side NW leg 25 mi —9 000 E side NW leg	5 000	116	1 8	R S A T	1 700 - --- 1 700 1 000	1 0 - - 1 0 1 0	1 700 - --- 1 700 1 000	2.0 - - 2 0 2.0	Immediately make 180 turn to left and begin shuttle on NW and SE legs within 10 mi. of stn climbing to min of 9 000′
Bakersfield, Calif.: Bakersfield Kern Co Airport el 515′	N—2,000 (Fresno range) E—Min. en route alt. S—6,000′ (NW leg Palmdale) W—Min. en route alt.	None	N	10 mi —2 000 W side N leg 15 mi —2 000 W side N leg 20 mi.—2 000′ W side N leg 25 mi.—2,000 W side N leg	1 600	141	1 5	R S A T	700 - --- 1 000 300	2 0 - - 3 0 1 0	700 - --- 1 000 300	2 0 - - 3 0 1 0	Make W turn and climb to 2 000′ on N leg
Minter Field el 425	(Make let-down to Bakersfield Kern County Airport Fly contact from Bakersfield Kern County Airport to Minter Field)							R S A T	1 000 - --- 1 000 1 000	1 0 - - 3 0 1 0	1 000 - --- 1 000 1 000	2 0 - - 3 0 2 0	
Baltimore Md: Baltimore Arpt el 14′	N—1,800 (W leg Philadelphia) SE—Min. enroute alt. S—1,700′ (SE leg Washington) W—Min. enroute alt. W—1,500′ (NE leg Washington).	None	S	10 mi —1 200 E side S leg 15 mi —1 700 E side S leg 20 mi —1 700′ E side S leg 25 mi —1 700 E side S leg	800	12°	2 4	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 400	1 5 1 0 3 0 1 5	Climb to 1 800′ N leg
Banana River Fla: Banana River NAS el 9′	N—1 200′ (E leg Daytona Beach) E—1,200 (E leg Melbourne) S—1,200′ (W leg Melbourne) W—1,200′ (SW leg Orlando)	None	W	10 mi —1 100 S side W leg 15 mi —1 100 S side W leg 20 mi —1,100′ S side W leg 25 mi —1 100 S side W leg.	600	106	4 6	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 200 on E leg
Bangor, Me: Dow Field el 160	NE—2,500′ (S leg Houlton) SE—Min. enroute alt SW—2,300′ (NE leg Augusta). NW—1 500 (S leg Millinocket). NW—1,000 (E Corinth FM, final)	None	NW	10 mi —1 500 W side NW leg 15 mi —2 000 W side NW leg 20 mi —2 000 W side NW leg 25 mi —2 000 W side NW leg	1 000	172°	2 1	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2,500 on SE leg
Barksdale: (Shreveport) La Barksdale Field el 167′	NE—1,500′ (E leg Shreveport) SE—Min. enroute alt. SW—Min enroute alt. SW—1,500′ (S leg Shreveport). NW—1,500′ (E leg Shreveport)	None	SE	10 mi —1 500 E side SE leg 15 mi —1 500 E side SE leg 20 mi —1 500 E side SE leg 25 mi —1 500 E side SE leg	800	325°	4 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 500′ on NW leg.
Baton Rouge, La: Harding Field el 70′	NE—Min enroute alt. SE—1,500′ (W leg New Orleans) SW—1,500 (E leg Lake Charles) NW—Min. enroute alt	None	NW	10 mi —1 100 W side NW leg 15 mi —1 100 W side NW leg 20 mi —1 100 W side NW leg 25 mi —1 100 W side NW leg	800	110°	3 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 500 on SE leg
Battle Creek, Mich: Kellogg Field, el 936′	N—2 200′ (SE leg Grand Rapids) E—2,200 (SE leg Lansing). S—2,100′ (E leg South Bend) W—2,200′ (N leg Goshen).	None	S	10 mi —2 100 E side S leg 15 mi —2 100 E side S leg 20 mi —2 100 E side S leg 25 mi —2 100′ E side S leg	1 600	3°	3 2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 200 on N leg
Battle Mountain, Nev	No instrument let down authorized												
Beaumont, Tex: Jefferson Co Arpt el 15	N—Min. enroute alt. E—1,300′ (Lake Charles range) S—Min. enroute alt. W—1,600′ (Houston range).	None	N	10 mi —1 400 W side N leg 15 mi —1 400 W side N leg 20 mi —1 400 W side N leg 25 mi —1,400 W side N leg	900′	160°	3 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1,500 on S leg
Beaumont Airport el 31′	(Make let down to Jefferson County Airport Fly contact from Jefferson County Airport to Beaumont Airport)							R S A T	1 000 1 000 1 000	1 0 3 0 1 0	1 000 1 000 1 000	2 0 3 0 2 0	
Bellingham, Wash: Bellingham Airport el 158′	NE—10,000 (W leg Princeton) S—4,000′ (SE leg Patricia Bay). SW—4,000′ (SE leg Patricia Bay) NW—2,000′ (Vancouver range)	None	NW	10 mi —1 500 W side NW leg 15 mi —1 500 W side NW leg 20 mi —1 500 W side NW leg 25 mi —1 500′ W side NW leg	1 300	114°	2 9	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	700 700 1 000 300	2 0 1 0 3.0 1 0	Climb to 4 000′ on W side S leg
Big Spring Tex: Big Spring Arpt el 2 595′	E—4,000′ (Abilene range) SE—4,000′ (SW leg Goodfellow) W—4 000′ (NW leg Midland). W—3,200 (Stanton FM, final) N—5,000′ (E leg Lubbock)	None	W	10 mi —4 000 S side W leg 15 mi —4 000 S side W leg 20 mi —4 000′ S side W leg 25 mi —4 000 S side W leg	3 200	70	3 9	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 4 000 on E leg
Billings, Mont.: Billings Arpt el 3 612′	NE—5 100′ (Custer range) NE—4,500′ (Nibbe FM, final) SE—8,000′ (Sheridan range). W—8 500′ (Livingston range) W—5,500 (Park City FM). N—6 500′ (E leg Lewistown)	None	NE	10 mi.—5 000 N side NE leg 15 mi —5 000 N side NE leg 20 mi —5 000′ N side NE leg 25 mi —5 000 N side NE leg.	4 500′	247°	1 3	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1.5 3.0 1.0	Climb to 6,000 on W leg within 25 mi.
Birmingham, Ala: Birmingham Arpt el. 643′	E—3 500′ (SW leg Atlanta) E—2,600′ (Eden FM). S—2,700′ (W leg Maxwell). SW—2,500′ (Meridian range). N—2,500′ (SE leg Muscle Shoals) N—8 100′ (Bradford FM)	None	N	10 mi —2,500′ W side N leg 15 mi.—2 500′ W side N leg. 20 mi.—2,500′ W side N leg. 20 mi.—2 500′ W side N leg.	1,800′	178°	3.0	R S A T	900 800 1 000 300	1.5 1 0 3 0 1.0	900 800 1 000 300	1.5 1.5 3 0 1.0	Climb to 2,700′ on S leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Bismarck, N D: Bismarck Arpt, el 1 653'	N—3,400 (SE leg Minot) E—Min enroute alt S—Min. enroute alt W—3 800' (Dickinson range) W—3,300' (Judson FM).	None	E	10 mi —3 000' S side E leg 15 mi —3 000' S side E leg 20 mi —3 000' S side E leg 25 mi —3 000' S side E leg	2 500	260°	2.3	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3.0 1 0	Climb to 3,800 on W leg 2 300' MSL radio towers 8 mi E 4 mi W
Blackstone Va: Blackstone Arpt el 440'	NE—2,000' (SW leg Richmond) SE—2,000' (SW leg Richmond) SW—2,000' (S leg Lynchburg). NW—3,000 (NE leg Lynchburg)	None	NW	10 mi —1 600' W side NW leg 15 mi —1 600 W side NW leg 20 mi —2 000' W side NW leg 25 mi —2 000 W side NW leg	1 200'	133°	5.5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 2 000' on SE leg
Blythe, Calif Blythe AAF, el 397'	N—5 000' (Needles range).. E—5,000 (N leg Gila Bend) S—4,000' (Yuma range) W—7,000' (N leg Indio)	None	S	10 mi —2 000' W side S leg 15 mi —3 000' W side S leg 20 mi —4 000' W side S leg 25 mi —4 000' W side S leg.	1,200'	208°	4.1	R S A T	800 . ... 1,000 800	2 0 . . 3 0 2.0	800 . ... 1 000 800	2.0 . . 3 0 2.0	If not contact at range, make 180° left turn and climb to 4 000' on S leg
Blytheville, Ark Blytheville Arpt el 254'	NE—Min enroute alt SE—Min. enroute alt. SW—2,000' (N leg Memphis) NW-2,000' (N leg Memphis)	None	NE	10 mi —1 300' N side NE leg 15 mi —1,000' N side NE leg 20 mi —1 000' N side NE leg 25 mi —1,000' N side NE leg.	800'	225°	14 2	R S A T	1 000 . ... 1 000 1,000	1 0 . . 3 0 1 0	1 000 . ... 1 000 1 000	2.0 . . 3 0 2.0	If not contact at range, climb to 2,000' on S leg.
Boise, Idaho: Boise Air Term, el 2,867'	NE—Min. enroute alt... SE—8 000' (Burley range). SE—7,700' (Mountain Home FM) SW—Min. enroute alt. NW—8 000' (Baker range) NW—8 000' (Payette FM). NW—3 000 (Eagle FM final)	None	NW	10 mi —4 000' W side NW leg 15 mi —5 000' W side NW leg 20 mi —5 000 W side NW leg 25 mi —5 000' W side NW leg	3 800'	110°	2.6	R S A T	700 600 1,000 300	1 5 1 0 3 0 1 0	700 600 1 000 300	1 5 1 0 3 0 1 0	Immediate climbing right turn to 4,000' within 10 mi. on NW leg.
Boston, Mass.: Logan Airport, el 12' Procedure No 1	N—1,000' (SE leg Concord).. N—[illegible] (Peabody FM, final) E—Min. enroute alt. SW—1,700' (N leg Providence) W—1,700 (N leg Providence)	None	N	10 mi —1,000' W side N leg 15 mi —1 000' W side N leg 20 mi —1 000' W side N leg 25 mi —1 000' W side N leg	900'	235°	1.4	R S A T	600 . ... 1,000 300	1.5 . . 3.0 1 0	700 . ... 1 000 300	1 5 . . 3 0 1 0	Climb to 1 700' on SW leg
Procedure No 2 ..	N—1,000' (SE leg Concord) E—Min. enroute alt. SW—1 700' (N leg Providence). SW—1,[illegible] (Franklin FM, final) W—1,[illegible] (N leg Providence)	None	SW	10 mi.—1,000' S side SW leg 15 mi —1 000' S side SW leg 20 mi —1 000 S side SW leg. 25 mi —1 000' S side SW leg	1,200' (over So. Boston LFM)	65° (From Foxboro LFM)	1.0	R S A T	600 . ... 1 000 300	1.5 . . 3.0 1.0	700 . ... 1 000 300	1.5 . . 3.0 1 0	Climb to 1 000' on N leg
Bowling Green, Ky: Bowling Green Arpt el 559'	NE—2,[illegible] (S leg Louisville) SE—2,[illegible] (N leg Smithville) SW—2,000 (NW leg Nashville) NW—Min. enroute alt.	None	SE	10 mi —2 000' N side SE leg 15 mi.—2 000' N side SE leg 20 mi.—2 000 N side SE leg 25 mi —2 000' N side SE leg.	1 000	333°	3.8	R S A T	600 . ... 1 000 300	1 0 . . 3 0 1.0	600 . ... 1 000 300	2.0 . . 3.0 1 0	Climb to 2,000' on NW leg within 25 mi
Bozeman, Mont.: Gallatin Field, el 4 491'	NE—10,000' (NW leg Livingston) SE—Min enroute alt. W—10,000 (Whitehall range) NW—10,000 (E leg Helena) No Alternate Airport	NW leg min alt 9 000'	SE	10 mi —8 000' N side SE leg 15 mi —8 000' N side SE leg. 20 mi.—11 000 N side SE leg 25 mi.—11 000 N side SE leg	8,000'	310°	6.8	R S A T	1 000 . ... 1 000 1 000	2.0 . . 3.0 1.0	1 000 . ... 1 000 1 000	2.0 . . 3.0 1 0	Climb to 10 000' on W leg
Brandywine, Md.... : .... Bridgeport, Conn: Bridgeport Arpt el 6	NE—2,000' (SE leg Hartford) SE—Min. enroute alt. SW—Min. enroute alt. NW—2 000' (NE leg Newark)	None	NE	10 mi —1 000' N side NE leg 15 mi —2 000 N side NE leg 20 mi —2 000 N side NE leg 25 mi —2 000' N side NE leg	1 000	231°	4.0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3.0 1 0	Climb to 2 000 on SW leg
Brownsville, Tex: International Arpt., el 22' ILS, page 177	N—Min. enroute alt..... N—700' (Los Fresnos FM, final) E—Min enroute alt S—Min. enroute alt. W—1,000' (S leg Alice).	None ..	N	10 mi —1,000' W side N leg 15 mi —1,000 W side N leg 20 mi —1 000' W side N leg 25 mi —1,000 W side N leg	700	167°	2.3	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 1,000' on S leg within 25 mi.
Mauldin Airport, el 22'.....	(Make let down to International Airport	Fly contact from International Airport to Mauldin Airport)						R S A T	1 000 . ... 1 000 1 000	1 0 . . 0 1.0	1 000 . ... 1 000 1 000	2.0 . . 2 0 2 0	
Buffalo, N. Y.: Buffalo Arpt, el 711' Procedure No 1	NE—2 000' (W leg Rochester)..... NE—1 [illegible] (Wolcottville FM, final) E—2 [illegible] (S leg Rochester). E—2 000 (East Penbroke FM) SW—2,000' (N leg Clear Creek). W—2,000 (NE leg Clear Creek)	None ..	NE	10 mi —1,000' N side NE leg 15 mi —1 [illegible] N side NE leg 20 mi —2 000 N side NE leg 25 mi —2 000 N side NE leg	1,000	225°	6.0	R S A T	600 . ... 1,000 300	1 5 . . 3 0 1 0	600 . ... 1 000 300	1 5 . . 3 0 1 0	Climb to 2 000' on SW leg
Procedure No 2.	NE—2 000' (W leg Rochester). NE—1,000 (Wolcottville FM) E—2 000' (S leg Rochester). E—2 000 (East Penbroke FM) SW—2 000' (N leg Clear Creek) SW—1,000 (Angola FM, final). W—2 000' (NE leg Clear Creek)	None ...	SW	10 mi.—2 000' S side SW leg 15 mi —2 000 S side SW leg 20 mi —2 000 S side SW leg 25 mi —2,000' S side SW leg	1,000' over Check towers LFM	65° From Check towers LFM	2.7	R S A T	600 600 1,000 300	1 5 1 0 3 0 1 0	600 600 1,000 300	1 5 1 5 3 0 1 0	Climb to 2,000' on NE leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil. ft	Vis mi	Ceil. ft	Vis mi	
Burbank Calif	No procedure approved							R	900	1 5	900	2.0	
								S	600	1 0	700	1 5	
								A	1 000	3 0	1 000	3.0	
								T	300	1 0	300	1 0	
Burley, Idaho, Burley Arpt, el 4 140′	NE—Min enroute alt..... E—11,000′ (Malad City range) SW—11,000′ (NW leg Lucin) W—7,000′ (SE leg Boise).	None	NE	10 mi —6 000′ W side NE leg 15 mi —6 000 W side NE leg 20 mi —6 000′ W side NE leg 25 mi —6 000′ W side NE leg	5 100′	200°	2.7	R S A T	700 700 1 000 500	1 5 1 0 3 0 1 0	700 700 1 000 500	2.0 2.0 3.0 2.0	Make right turn and climb to 7 000′ on W leg
Burlington, Iowa: Burlington Air port el 698′	NE—2,000′ (S leg Moline) S—Min. enroute alt. SW—2,000′ (Kirksville range) N—2 000′ (W leg Moline).	None	S	10 mi —2 000 E side S leg 15 mi.—2 000′ E side S leg 20 mi —2 000′ E side S leg 25 mi —2 000′ E side S leg.	1 500′	357°	1 9	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2 000′ on N leg
Burlington Vt: Burlington, Arpt el 334′	N—3,500′ (E leg Montreal)..... SE—5 200′ (SW leg Montpelier) SE—2,500′ (Huntington FM) S—4 000′ (Albany range). S—2 000 (Vergennes FM). NW—2 500′ (Montreal range) NW—1,100′ (Grand Isle FM final)	None	NW	10 mi —1,500′ W side NW leg 15 mi —1 500′ W side NW leg 20 mi —2 500 W side NW leg 25 mi —2 500 W side NW leg	1,100	151°	2.8	R S A T	700 600 1,000 400	2.0 1 5 3 0 1 0	700 600 1 000 500	2.0 1 5 3 0 1 0	Climb to 4,000′ on S leg
Butte Mont	No procedure approved..							R S A T	2,500 ----- 2 500 1 500	1 5 --- 2.0 1 0	2,500 ----- 2 500 1 500	2.0 --- 2.0 2 0	
Carlsbad N. Mex: Carlsbad Airport el 3 276′	E—Min. enroute alt..... SE—5,000′ (W leg Wink) W—Min. enroute alt. NW—Min. enroute alt	None	SE	10 mi.—5 000′ E side SE 15 mi —5 000′ E side SE 20 mi —5 000′ E side SE 25 mi —5 000 E side SE	4 200′	322°	3 5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 5 000′ on E leg within 25 mi
Casper, Wyo: Wardwell Field, el. 5 346′	N—8 000′ (SE leg Sheridan) N—7,000′ (Midwest FM) E—Min. enroute alt E—6,000′ (Parkerton FM final) S—10 000 (E leg Sinclair) W—Min. enroute alt	None	E	10 mi —7 000 N side E leg 15 mi —7 000 N side E leg 20 mi —7 000′ N side E leg 25 mi —7 000′ N side E leg	6 000′	256°	2.0	R S A T	500 500 1 000 300	1 5 1 0 3.0 1.0	500 500 1 000 300	2.0 2.0 3 0 1 0	Climb to 9 000′ on W leg within 25 mi. Caution—Terrain up to 8,000 within 8 mi. of range on both sides of S leg
Casper, Wyo: Casper AAF el 5 347′	(Make let-down to Wardwell Field Fly contact from Wardwell Field to Casper AAF)							R S A T	1 000 --- 1 000 1 000	1 0 --- 3 0 1 0	1,000 --- 1,000 1 000	2 0 --- 3 0 2 0	
Chanute, Ill.: (Rantoul) Chanute Field el 738′	NE—1,900 (NW leg Lafayette) E—2 000′ (SW leg Lafayette). SW—2,100′ (NW leg Effingham) W—2,000′ (NE leg Springfield).	None	SW	10 mi —2100 W side SW leg 15 mi —2100 W side SW leg 20 mi —2100 W side SW leg. 25 mi —2100 W side SW leg	1600′	43°	3 3	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1000′ on NE leg
Chanute Kans: Chanute Airport el 980′	N—2 000′ (SW leg Kansas City) E—2,100 (N leg Joplin). S—2,100′ (NE leg Tulsa).t W—3,000′ (NE leg Wichita).	None	E	10 mi —2100 N side E leg 15 mi —2100 N side E leg 20 mi —2100 N side E leg 25 mi.—2100 N side E leg	1 600	304°	2 5	R S A T	800 --- 1 000 500	2 0 --- 3 0 2 0	800 --- 1 000 500	2.0 --- 3 0 2 0	Climb to 3000 on W leg
Charleston, S C.: Charleston Airport el 45′ ILS page 177	N—1,200′ (SW leg Myrtle Beach) E—Min. enroute alt. SW—1,300′ (Savannah range) W—1 500′ (Augusta range)	None.	W	10 mi —1200 S side W leg 15 mi —1200 S side W leg 20 mi —1500 S side W leg 25 mi —1,500 S side W leg	600′	110°	2.0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1,500 on E leg.
Charleston. W. Va													
Charlotte, N. C.: Douglas Airport 745′	N—3,000 (SW leg Greensboro) E—Min enroute alt S—Min. enroute alt. W—3,000′ (NE leg Spartanburg)	None	S	10 mi —2500′ E side S leg. 15 mi —2 500 E side S leg 20 mi —2 500 E side S leg 25 mi.—2,500′ E side S leg	1 500	359	1.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 3 000′ on N leg
Cannon Airport el 788′	(Make let-down to Douglas Arpt. Fly contact from Douglas Arpt to Cannon Airport)							R S A T	1 000 --- 1 000 1 000	1 0 --- 3 0 1 0	1 000 --- 1 000 1 000	2.0 --- 3 0 2.0	
Chattanooga, Tenn.: Chattanooga Lovell Arpt el 678′	NE—3,000 (W leg Knoxville) SE—3,000′ (Atlanta range). SW—4,000′ (N leg Birmingham) NW—4,000′ (S leg Smithville)	None	NE	10 mi.—2 000′ E side NE leg. 15 mi.—2 000′ E side NE leg 20 mi —2 000′ E side NE leg 25 mi —2 000′ E side NE leg.	2 000′	203°	3.0	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	800 800 1 000 300	1 5 1 0 3 0 1 0	Climb to 3 000′ on SE leg
Cherry Point, N C: Cherry Point MCAS el 29′	NE—Min enroute alt SE—Min. enroute alt. SW—Min enroute alt. NW—Min enroute alt.	None	NW	10 mi —1 500′ W side NW leg 15 mi —1 500′ W side NW leg. 20 mi.—1 500′ W side NW leg. 25 mi.—1 500′ W side NW leg.	1 000′	141°	4.0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 500′ on SE leg
Cheyenne Wyo: Cheyenne Airport, el 6,156′. Procedure No.1 ILS page 177	N—8 000′ (NE leg Laramie) N—7,000′ (Meadows FM). E—8,000′ (SW leg Scottsbluff) S—8,000′ (Denver range). W—10,000′ (NE leg Laramie) W—8,000′ (Silver Crown FM)	E to 8,000′	W	10 mi.—8 000′ N side W leg 15 mi.—9,000′ N side W leg. 20 mi.—10 000′ N side W leg. 25 mi.—10 000 N side W leg.	6,800′	76°	0.9	R S A T	500 --- 1 000 300	1.5 --- 3 0 1 0	500 --- 1 000 300	1 5 --- 3 0 1.0	Climb to 8 000′ on E leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil. ft.	Vis. mi	Ceil. ft.	Vis. mi	
Cheyenne, Wyo: Cheyenne Airport, el 6,156—Continued													
Procedure No 2	N—8,000' (NE leg Laramie).. E—8,000' (SW leg Scottsbluff). S—8,000' (Denver range). W—10,000' (NE leg Laramie). W—8,000' (Silver Crown FM).	None --	E	10 mi —7,000' N side E leg -- 14 mi —7,000' N side E leg. 20 mi —7,000' N side E leg 24 mi.—7,000' N side E leg.	7,000' Over Archer LFM	250° From Archer LFM	3.5	R S A T	500 500 1,000 800	1.5 1.0 3.0 1.0	500 500 1,000 800	1.5 1.5 3.0 1.0	Climb to 8 000 on S leg
Chicago, Ill: Chicago Airport, el. 618'; Procedure No 1, ILS page 177	NE—2,800' (N leg South Bend) SE—2,600' (SE leg Joliet). SW—2,600' (NW leg Joliet). NW—2,500' (W leg Milwaukee). NW—1,500 (Franklin Park FM, final)	None --	NW	10 mi —2,000' W side NW leg 14 mi —2,000' W side NW leg 20 mi —2,000' W side NW leg 24 mi —2,000' W side NW leg	1,500'	153°	2.2	R S A T	500 500 1,000 800	1.5 1.0 3.0 1.0	500 500 1,000 800	1.5 1.5 3.0 1.0	Proceed S on N leg of Harvey range stn, climbing to 2 000'
Procedure No 2. -- --	NE—2,800' (N leg South Bend) SE—2,600' (SE leg Joliet) SE—1,600' (E leg Harvey, final) SW—2,800' (NW leg Joliet). NW—2,500' (W leg Milwaukee).	None	SE (Ashburn Approach)	10 mi —2,000' E side SE leg 14 mi —2,000' E side SE leg. 20 mi —2,000' E side SE leg. 24 mi —2,000' E side SE leg.	1,500 Over Ashburn LFM	332° From Ashburn LFM	2.5						Climb to 2 000' on NW leg
Hinsdale Airport (Hinsdale, Ill.), el. 710'.	(Make let-down to Chicago Airport	Fly contact from Chicago Airport to Hinsdale Airport)											
Stinson Airport (La Grange Ill.), el. 644'	(Make let-down to Chicago Airport.	Fly contact from Chicago Airport to Stinson Airport)											
Chincoteague, Va.....	No procedure approved.												
Cincinnati, Ohio: Lunken Airport, el. 482'.	NE—2,800' (E leg Patterson)..... NE—1,600' (Loveland FM, final). SE—2,600' (S leg Columbus) SE—2,600' (Mt. Orab FM). SW—2,600' (Louisville range) SW—2,600' (Union FM). NW—2,500 (E leg Indianapolis) NW—2,500' (Cedar Grove FM)	None ---	NE	10 mi —2,100' N side NE leg -- -- 15 mi —2,100' N side NE leg 20 mi —2,100' N side NE leg 25 mi.—2,100' N side NE leg ---	1 600'	227°	5.2	R S A T	800 800 1 000 400	1.5 1.0 3.0 1.0	800 800 1,000 600	1.5 1.5 3 1.0	Climb to 2,000' on SW leg. 1,800' hill SW and NW. 1,835' MSL tower 3.5 mi N of SW leg 13 mi out.
Clarendon, Tex: Clarendon Arpt., el 2,800'	NE—4,000' (E leg Amarillo)..... SE—3,000' (Wichita Falls range). SW—4,000' (E leg Amarillo). NW—4,000' (E leg Amarillo)	None.... --	NE	10 mi —4,000' W side NE leg -- -- 15 mi —4,000' W side NE leg 20 mi —4,000' W side NE leg 25 mi —4,000' W side NE leg	3,700'	105°	2.0	---	---	---	---	---	Climb to 4,000' on SW leg.
Cleveland, Ohio: Cleveland Airport, el 765'	E—2,000' (NE leg Akron) SE—2,700' (Akron range). SE—2,000' (No. Royalton LFM) W—1,500' (NW leg Akron). W—1,500' (Lively FM, final). NW—1,600' (Windsor range)	None..... ---	W	10 mi —1,500' S side W leg -- 15 mi —1,500' S side W leg 20 mi —1,500' S side W leg -- 25 mi —1,500 S side W leg	1,400'	169°	0.7	R S A T	500 1,000 500	1.5 3.0 1.0	500 1,000 500	1.5 3.0 1.0	Climb to 2,000' on E leg.
Clovis, N Mex.: Clovis AAF, el 4,700'	NE—Min. enroute alt..... SE—2,000' (W leg Lubbock) SW—Min. enroute alt. NW—2,000' (S leg Tucumcari).	None ..... ---	SW	10 mi —2,000' E side SW leg -- 15 mi —2,000' E side SW leg -- 20 mi —2,000' E side SW leg 25 mi —2,000' E side SW leg	5,000'	34°	0.3	R S A T	500 500 1,000 500	1.5 1.0 3.0 1.0	500 500 1,000 500	1.5 1.5 3.0 1.0	Climb to 6,000' on NE leg within 25 mi
Cochise, Ariz.: CAA Int. Fld, el 4,317	E—11,000' (Rodeo range).. SE—9,000 (SW leg Rodeo). W—10,000' (SE leg Tucson) N—12,000' (NE leg Tucson)	To 7,000' on E leg within 15 mi.	E	10 mi —7,000' N side E leg 15 mi.—7,000' N side E leg ---- 20 mi.—7,000' N side E leg. -- 25 mi.—11,000' N side E leg	5,500'	233°	2.2	R S A T	1,200 2,000 1,200	3.0 3.0 3.0	1,200 2,000 1,200	3.0 3.0 3.0	If not contact at range, make right turn (N) and shuttle to 11,000' on E leg within 25 mi, 7,000' terrain S side W leg within 10 mi.
Coeur D'Alene, Idaho: Coeur D'Alene Air Terminal, el. 2,310'	N—Min. enroute alt ..... E—9,000' (Mullan Pass range) (S—Min. enroute alt W—9,000' (Spokane range).	None..... --	S	10 mi —9,000' E side S leg -- 15 mi —9,000' E side S leg 20 mi —9,000' E side S leg 25 mi.—9,000' E side S leg.....	4,300'	321°	5.2	R S A T	1,500 1,500 500	2.0 2.0 1.0	1,500 1,500 500	3.0 3.0 2.0	If not contact at range, climb to 7,000' on N leg within 20 mi.
Weeks Field, el. 2,237'.....	(Make let-down to Coeur D'Alene Air Terminal	Fly contact from Coeur D'Alene Air Terminal to Weeks Field.)											
Colorado Springs, Colo: Peterson Field, el 6,176'	N—9,000 (Denver range) -- E—Min. enroute alt. (S—10,000 (Pueblo range) -- W—Min. enroute alt.	None --	N	10 mi.—9,000' E side N leg 15 mi —9,000' E side N leg 20 mi —9,000 E side N leg 25 mi —9,000' E side N leg	8,000'	163°	3.0	R S A T	500 500 1,000 500	1.5 1.0 3.0 1.0	500 500 1,000 500	2.0 2.0 3.0 2.0	Climb to 10 000' on S leg
Columbia, Mo: Columbia Airport, el 777'	M—2,000' (Kirkwood range) E—2,000' (St. Louis range) (S—2,000' (NW leg Vichy) W—2,000' (NE leg Kansas City)	None --	W	10 mi —2,000' E side W leg 15 mi —2,000' E side W leg 20 mi —2,000' E side W leg 24 mi —2,000' E side W leg	1,500'	89°	3.0	R S A T	500 500 1,000 500	1.0 1.0 2.0 1.0	500 500 1,000 500	2.0 2.0 3.0 2.0	Climb to 2 000' on E leg.
Columbia, S. C: Lexington Co Arpt, el 233'.	E—1,500' (SW leg Florence)..... (E—1,500' (NW leg Charleston) W—2,000' (NE leg Augusta). NW—Min. enroute alt.	None	E	10 mi —1,500 N side E leg 15 mi —1,500 N side E leg -- 20 mi —1,500 N side E leg 25 mi.—1,500 N side E leg.	1,000'	233°	7.3	R S A T	600 500 1,000 500	1.5 1.0 3.0 1.0	600 500 1,000 500	2.0 2.0 3.0 1.0	Climb to 2 000 on W leg
Owens Field, el 102'..	E—1,500' (SW leg Florence)..... --- (E—1,500' (NW leg Charleston) W—2,000' (NE leg Augusta) NW—Min. enroute alt.	None	SE	10 mi —1,500' E side SE leg --- 15 mi —1,500' E side SE leg 20 mi —1,500 E side SE leg. 25 mi.—1,500' E side SE leg	1,000'	300°	1.0	R S A T	600 500 1,000 500	1.5 1.0 3.0 1.0	600 500 1,000 500	2.0 2.0 3.0 1.0	Climb to 2,000' on NW leg within 25 mi
Congaree Arpt, el. 237'.....	(Make let down to Owens Field	Fly contact from Owens Field to Congaree Airport)											
Columbus, N. Mex: CAA Int Field, el 4,021'	N—Min. enroute alt E—8,000' (El Paso range) (S—Min. enroute alt. W—8,000' (Rodeo range)	None	D	10 mi —6,500' N side E leg 15 mi —6,500 N side E leg 20 mi —6,500' N side E leg 25 mi —6,500' N side E leg.	6,500'	262°	1.9	R S A T	1,500 1,500 500	2.0 2.0 2.0	1,500 1,500 1,000	2.0 2.0 3.0	Climb to 8,000 on W leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Columbus, Ohio:													
Port Columbus-NAS el 817': Procedure No 1	NE—2 500 (Cleveland range).	None	W	10 mi —2 300 S side W leg	1 800	84°	1 9	R	500	1 5	500	1 5	Climb to 2 600 on E leg
	NE—2,500 (Mt. Liberty FM)			15 mi —2 300' S side W leg				S	500	1 0	500	1 0	
	E—2 600' (Pittsburgh range)			20 mi —2 300 S side W leg				A	1 000	3 0	1 000	3 0	
	E—2,200 (Newark FM).			25 mi —2 300 S side W leg				T	300	1 0	300	1 0	
	S—2,600' (NW leg Huntington)												
	W—2 300' (N leg Patterson).												
	W—1,800 (Hilliard FM, final)												
Procedure No 2	NE—2 500' (Cleveland range).	None	E	10 mi —2 000 N side E leg	1,600' Over Summit LFM	266 From Summit LFM	3 0						Climb to 2 300' on W leg
	NE—2,300' (Mt. Liberty FM)			15 mi —2 000' N side E leg									
	E—2 600' (Pittsburgh range).			20 mi —2 000' N side E leg									
	E—1,600' (Newark FM, final).			25 mi —2 000 N side E leg									
	S—2,600' (NW leg Huntington)												
	W—2 300' (N leg Patterson)												
	W—1,800 (Hilliard FM).												
Lockbourne AAB el 744'	(Make let down to Port Columbus NAS	Fly contact from Port Columbus NAS to Lockbourne AAB)						R	1 000	1 0	1 000	2.0	
								S					
								A	1 000	3 0	1 000	3 0	
								T	300	1 0	300	1 0	
Concord N H: Concord Airport, el 346'	NE—3,000 (Portland range)	None	SE	10 mi —2 500 E side SE leg	1 700	332°	1 9	R	800	1 0	800	2.0	Climb to 5 500 on NW leg
	SE—2,500' (NE leg Boston).			15 mi —2 500 E side SE leg				S					
	SW—5,000 (N leg Westfield).			20 mi —2 500' E side SE leg				A	1 000	3 0	1 000	3 0	
	NW—5 500 Burlington range)			25 mi —2 500 E side SE leg				T	500	1 0	500	1 0	
Corpus Christi, Tex.: Cliff Maus Field el 42'	NE—1,400' (N leg Corpus Christi NAS).	None	NW	10 mi —1,300 W side NW leg	800	138	2.0	R	500	1 5	500	1 5	Turn right and climb to 1,400' on NW leg within 25 mi
	SE—1,400 (W leg Corpus Christi NAS).			15 mi —1 300 W side NW leg				S	500	1 0	500	1 5	
	SW—1,400 (S leg Alice)			20 mi —1 300 W side NW leg.				A	1 000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi —1 300 W side NW leg				T	300	1 0	300	1 0	
Corpus Christi NAS el 19	N—2,500' (E leg Corpus Christi)	None	S	10 mi —1 500 W side S leg	1 000	350°	3 3	R	500	1 5	500	1 5	Climb to 2 500' on N leg
	E—Min enroute alt			15 mi —1 500 W side S leg				S	500	1 0	500	1 5	
	S—Min. enroute alt.			20 mi —1 500 W side S leg				A	1 000	3 0	1 000	3 0	
	W—2,500' (S leg Alice).			25 mi —1 500 W side S leg				T	300	1 0	300	1 0	
Waldron NAAS el 25'	N—2,600' (E leg (Corpus Christi)	None	E	10 mi —1 500 S side E leg	800	250	1 0						Climb to 2 500 on W leg
	E—Min enroute alt			15 mi —1,500 S side E leg									
	S—Min. enroute alt.			20 mi —1 500 S side E leg									
	W—2,500' (S leg Alice).			25 mi —1 500 S side E leg									
Craig (Selma) Ala: Craig Field el 166'	NE—1,300' (S leg Birmingham)	None	SE	10 mi —1 200 E side SE leg	800'	320	2.5	R	500	1 5	500	1 5	Climb to 1,500 on NW leg within 25 mi
	SE—1,200' (SW leg Maxwell)			15 mi —1 200 E side SE leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi —1 200 E side SE leg				A	1 000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi —1 200 E side SE leg				T	300	1 0	300	1 0	
	NW—1 200' (W leg Maxwell)												
Crestview, Fla: Crestview Airport el 274'	N-Min. enroute alt.....	None	E	10 mi —1 300 N side E leg	800'	263	2.6	R	500	1 5	500	1 5	Climb to 1 500' on W leg
	E-1,500' (SW leg Dothan)			15 mi —1 300 N side E leg				S	500	1 0	500	5	
	S-1,700' (Eglin Range).			20 mi —1 300 N side E leg				A	1 000	3 0	1 000	3 0	
	W—1,500' (N leg Pensacola)			25 mi —1 300' N side E leg.				T	300	1 0	300	1 0	
Cross City Fla: Cross City AAF el 42'	NE—Min enroute alt....	None	SE	10 mi —1 100' E side SE leg	600	315	2 7	R	500	1 5	500	1 5	Climb to 1 500 on NW leg
	SE—1,500' (N leg Tampa)			15 mi —1 100 E side SE leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi —1 100 E side SE leg				A	1 000	3 0	1 000	3 0	
	NW—1,500' (E leg Tallahassee)			25 mi —1 100 E side SE leg				T	300	1 0	300	1 0	
Custer, Mont: CAA Int Field el 2 868'	N—5,000' (SE leg Lewistown)	None	E	10 mi —5 000 N side E leg	4 200	230	2.0	R	1 000	1 0	1 000	2.0	Climb to 5 100 on SW leg.
	E—5,000 (Miles City Range)			15 mi —5 000 N side E leg				S					
	S—Min. enroute alt.			20 mi.—5 000' N side E leg				A	1 000	3 0	1 000	3 0	
	SW—5,100' (Billings Range).			25 mi.—5 000 N side E leg.				T	500	1 0	500	2 0	
Cut Bank, Mont: Cut Bank Air port el 3,900'	N—6,000' (Lethbridge Range)	None	SE	10 mi —5 000' E side SE leg	4 800'	327°	3 1	R	600	1 5	600	1 5	Climb to 6 000 on N leg.
	E—Min. enroute alt.			15 mi.—5 000 E side SE leg				S	500	1 0	500	2.0	
	SE—6,000' (Great Falls Range)			20 mi.—5 000' E side SE leg				A	1 000	3 0	1 000	3 0	
	W—Min enroute alt			25 mi —5 000 E side SE leg				T	300	1 0	300	1 0	
Daggett, Calif: Daggett Airport el 1 927'	N—Min. enroute alt.....	None.....	W	10 mi.—6 000 N side W leg	4 000'	149°	0 0	R	2,000	4.0	2 000	4 0	Climb to 8 000' E leg.
	E-8,000' (SE leg. Silver Lake)			15 mi —6 000' N side W leg				S					
	S—Min. enroute alt.			20 mi —6 000' N side W leg.				A	2 000	4 0	2 000	4.0	
	W—6 000' (Palmdale Range)			25 mi.—6 000' N side W leg				T	2 000	4.0	2 000	4.0	
Dallas, Tex.: Love Field el 483 ILS page 177	N—2 300' (N leg Fort Worth)	None	S	10 mi.—1 700 E side S leg	1 200'	356°	2.2	R	500	1 5	500	1 5	Climb to 2 300' on E side of N leg.
	N—1,700' (E leg Fort Worth)			15 mi.—1 700' E side S leg				S	500	1 0	500	1 5	
	E—2,100' (NW leg Tyler)			20 mi.—1 700' E side S leg.				A	1 000	3 0	1 000	3 0	
	S—2 000' (Waco Range).			25 mi.—1 700' E side S leg.				T	300	1 0	300	1 0	
	S—1,200' (Duncanville FM final)												
	W—Min. enroute alt.												
Hensley Field el 493	(Make let-down to Love Field	Fly contact from Love Field to Hensley Field)			.....	.....	.....	R	1 000	1 0	1 000	2.0	
								S					
								A	1 000	3 0	1 000	3 0	
								T	300	1.0	300	1.0	

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Dayton, Ohio: Dayton Airport, el 1 007'	N—2 100 (W leg Columbus) E—2,100 (N leg Patterson). S—2,200' (NW leg Cincinnati). W—2 400' (Indianapolis Range) W—2,100' (Verona FM)	None	W	10 mi.—2 100' N side W leg 15 mi —2 100 N side W leg 20 mi —2 300' N side W leg 25 mi —2,300' N side W leg	1,600	90°	3 2	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Make left turn and climb to 2,100' on N leg
Daytona Beach, Fla: Daytona Beach Arpt, el 34	N—Min. enroute alt..... E—1,200' (NE leg Orlando) S—1,200' (Orlando Range) W—Min. enroute alt.	None	W	10 mi —1,100 S side W leg 15 mi —1 200 S side W leg 20 mi —1,200' S side W leg 25 mi —1 200 S side W leg.	600'	101°	2 1	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,200' on E leg
Delta Utah: Delta Airport, el 4,755	NE—12,000' (Fairfield Range) SE—Min. enroute alt. SW—11,000' (Milford Range) NW—Min enroute alt	None	SW	10 mi —7 000' W side SW leg 15 mi.—7,000 W side SW leg 20 mi.—8 000 W side SW leg 25 mi —8 000 W side SW leg	5 700'	7°	3 6	R S A T	800 1 000 500	2 0 3 0 1 0	800 1 000 500	2 0 3 0 2.0	Climb to 12 000' on NE leg
Denver, Colo: Stapleton Field, el 5 320', ILS page 177	N—8 000 (Cheyenne Range) N—6 300' (Dacona FM). N—6,000 (Henderson FM, final) E—7,000 (Akron Range). S—9 000' (Colorado Springs Range) S—8,000 (Franktown FM) W—Min. enroute alt.	None	N	10 mi.—7 000' E side N leg 15 mi —7 000 E side N leg 20 mi.—7 000' E side N leg 25 mi —7 000 E side N leg	5 000'	155°	2 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 8,000' on S leg within 25 mi
Buckley Field, el. 5,642'	(Make let-down to Stapleton Field	Fly contact from Stapleton Field to Buckley Field)											
Lowry Field, el. 5,412'..... ...	(Make let-down to Stapleton Field	Fly contact from Stapleton Field to Lowry Field.)											
Des Moines, Iowa: Des Moines Airport el 959'	N-3 000' (SW leg La Crosse) E-2,000' (N leg Burlington). S-3,000' (NW leg Kirksville). S—1,500' (Indianola FM, final) W—2,500' (Omaha Range)	None	S	10 mi —2 200' E side S leg 15 mi —2 200 E side S leg 20 mi —2 200 E side S leg. 25 mi.—2,200 E side S leg.	1 800	344°	2.1	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1.0	Climb to 3 000 on N leg.
Detroit, Mich..... ...	See Windsor, Canada												
Dickinson, N. Dak: Dickinson Airport, el 2,557	N-Min. enroute..... E-3,000' (Bismarck Range) S-Min. enroute alt. W-4,000' (Miles City Range).	None	N	10 mi —3 700 W side N leg 15 mi —3 700' W side N leg. 20 mi —3 700' W side N leg. 25 mi —3 700' W side N leg.	3 200'	167°	2.1	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 5 3 0 1 0	Climb to 4 000' on S leg within 20 mi
Dillon, Mont: CAA Int. Field, el 5 2[illegible]	NE-11,000' (Whitehall Range) E Min. enroute alt. S-11,000' (Dubois Range) W-Min enroute alt	None	NE	10 mi —8 000' N side NE leg 15 mi —8 000 N side NE leg 20 mi —8 000' N side NE leg 25 mi.—8 000 N side NE leg.	7 200'	167°	2.0	R S A T	2,000 2,000 1,000	3 0 3 0 1 0	2,000 2,000 1,000	3 0 3 0 2.0	Make left turn and climb to 11,000 on NE leg.
Donner Summit, Calif: (No associated arpt)													
Dothan, Ala.: Dothan Airport, el 339'	NE Min enroute alt..... SE-1,[illegible] (E leg Crestview). SW-1,[illegible] (E leg Crestview) NW-1,[illegible] (E leg Maxwell)	None ..	SW	10 mi —1 400 S side SW leg 15 mi —1 400 S side SW leg 20 mi —1 400 S side SW leg 25 mi.—1,400' S side SW leg	900	47°	3 7	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,500' on NE leg within 25 mi.
Napier Field, el. 337'	(Make let-down to Dothan Airport	Fly contact from Dothan Airport to Napier Field.)											
Drummond, Mont: CAA Field, el 4 [illegible]	NE Min enroute alt E-9,000' (N leg Butte). SW-10 000' (NW leg Butte) W-9,000 (Missoula Range)	None ...	NE	10 mi —9 000' N side NE leg 15 mi —9 000' N side NE leg 20 mi —9 000' N side NE leg 25 mi —9 000 N side NE leg	7 700'	105°	1.3	R S A T	3,000 3 000 1,000	2.0 2 0 2 0	3 000 3 000 1 000	3 0 3 0 2.0	Climb to 10,000 on SW leg. High terrain E of NE leg
Dubois, Idaho: Dubois Airport, el 5 123'	N 11,000' (Dillon Range) E Min. enroute alt. S-7,000' (Idaho Falls Range) W-Min enroute alt	To 7,000 on S leg	S	10 mi —7 000 E side S leg 15 mi —7 000' E side S leg 20 mi —7 000' E side S leg 25 mi —7 000' E side S leg	6 000	332°	1 7	R S A T	500 1,000 300	1 0 3 0 1 0	500 1 000 300	2.0 3 0 2.0	Immediately make 180° left (W) turn and climb to 7 000 on S leg
Duluth, Minn.: Williamson-Johnson Airport, el 1,4[illegible]	N-Min. enroute alt..... N 2,700' (Ft. Williams Range) E Min. enroute alt. S-2,000' (Minneapolis Range) W-Min enroute alt.	None ..	S	10 mi.—2 000' E side S leg. ... 15 mi —2 000' E side S leg 20 mi —2 000' E side S leg 25 mi —2 000 E side S leg	2,100'	13°	3 0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 2.0	Climb to 2,700 on N leg within 25 mi
Effingham, Ill.: Effingham Int Field, el 693'	N-Min. enroute alt ..... E 2,000' (Terre Haute Range) S 2,000' (W leg Evansville). W-2,000' (NW leg Scott with E leg St. Louis).	None	E	10 mi —1 000' N side E leg 15 mi —2 000 N side E leg 20 mi —2 000 N side E leg 25 mi —2,000 N side E leg	1,400'	341°	0 0	R S A T	800 1,000 300	2.0 3 0 2 0	800 1 000 300	2.0 3 0 2.0	Climb to 2 000 on W leg
Eglin (Valparaiso, Fla): Eglin Field, el 71'	N—1,500' (Crestview range) E—1,500' (NW leg Fyndall) S—Min. enroute alt. W—1,500' (NE leg Pensacola)	None	N	10 mi —1,400' W side N leg 15 mi —1 400' W side N leg 20 mi —1,400' W side N leg 25 mi —1 400' W side N leg	900'	175°	3 0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1,500' on S leg
El Centro, Calif.: El Centro NAS, el —43' (below SL)	N—8 000' (Indio range) E—3,000' (Yuma range) S—Min. enroute alt. W—3,000' (San Diego range).	To 1,500 on E leg within 25 mi	E	10 mi —1 000 N side E leg 15 mi —1 000' N side E leg 20 mi —1,000' N side E leg 25 mi —1 000' N side E leg.	600'	320°	3 7	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1,000 300	1 5 1 5 3 0 1 0	If not contact over range climb to 3 000' on E leg
Elkins, W Va: Elkins Airport el 1 099'	N—5,000' (Morgantown range) E—6,000' (Front Royal range) S—Min enroute alt. W—Min enroute alt	None ..	N	10 mi —4 000' W side N leg 15 mi —4 000 W side N leg 20 mi —4 000 W side N leg 25 mi —4 000 W side N leg	4,500	174°	3 0	R S A T	2 000 - - 2 000 1,000	2 0 - - 2 0 2 0	NA - - NA NA		Climb to 6,000' on N leg within 25 mi

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min al over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag. bear	Dist. (mi)		Cell ft	Vis mi	Cell ft	Vis mi	
Elko, Nev: Keddie Field el 5066	NE—12,000 (W leg Lucin)	None	W	10 mi —8 500′ S side W leg.	7 600	200	0.8	R	2 500	3 0	2,500	3 0	Climb to 12 000′ on NE leg
	NE—9,000′ (Deeth FM)			15 mi —8, 500 S side W leg.				S	- ---	- -	- ---	- -	
	S—Min. enroute alt			20 mi —10 000 S side W leg				A	2 500	3 0	2 500	3 0	
	W—10,000′ (Battle Mountain range)			25 mi —10 000 S side W leg				T	2 500	3 0	2 500	3 0	
	W—7,500′ (Carlin FM final)												
	N—Min enroute alt												
Ellensburg Wash: Bowers Airport el 1 767′	N—Min. enroute alt.....	None	E	10 mi.—5 500′ S side E leg	4 000	270	2.0	R	1 500	2.0	1 500	2.0	Make left turn and climb to 7 000′ on E. leg. Climb to 5,500′ within 10 mi High terrain N of E leg.
	E—7 000′ (Ephrata range).			15 mi —6 000 S side E leg				S	- ---	- -	- ---	- -	
	S—5,500′ (NW leg Yakima)			20 mi —6 000 S side E leg.				A	1 500	3 0	1 500	3 0	
	W—7,500′ (Seattle range).			25 mi —6 000 S side W leg.				T	1 500	2 0	1,500	2 0	
Elmira, N. Y.: Chemung Co Air port el 951′	NE—3,000′ (S leg Syracuse).....	None	SW	10 mi —3 400 S side SW leg.	2 900	75°	1 8	R	1 500	2 0	NA		Climb to 3 000′ on NE leg
	SE—3,000′ (N leg Wilkes-Barre).			15 mi —3 400 S side SW leg				S	- ---	- -	----		
	SW—3,400′ (W leg Williamsport)			20 mi —3 400 S side SW leg				A	2 000	2 0	NA		
	NW—3,200 (S leg Rochester)			25 mi —3,400 S side SW leg				T	800	2 0	NA	- -	
El Morro, N Mex.: CAA Int Field, el 7 114′	N—Min. enroute alt.....	None	W	10 mi —10 000′ S side W leg	9 100	78	0 1	R	2 000	5 0	2 000	5 0	Turn to left, climbing to 10 000′ on W leg
	E—11,000′ (S leg Acomita)			15 mi —10 000′ S side W leg				S	- ---	- -	- ---	- -	
	S—Min. enroute alt.			20 mi —10 000′ S side W leg				A	2,000	5 0	2 000	5 0	
	W—10 000′ (Winslow range)			25 mi.—10 000 S side W leg				T	1 500	5 0	1 500	5 0	
El Paso, Tex: El Paso Mun. Airport el 3,936′ ILS page 178	N—Min. enroute alt.....	None	E	10 mi —6 000 S side E leg	5 000	257°	4.9	R	500	1 5	500	1 5	Make 180 left (S) turn, proceeding to range and climb to 8 000′ on S leg within 25 mi. *Maintain 8,000 until 5 mi. W of Hueco Mtn FM. High terrain N side of E leg
	E—8 000′ (Salt Flat range).			15 mi —7 000 S side E leg				S	500	1 0	500	1 5	
	E—5,000 (Hueco Mtn FM, final) *			20 mi —8 000 S side E leg				A	1 000	3 0	1 000	3 0	
	S—Min. enroute alt.			25 mi —8 000 S side E leg				T	300	1 0	300	1.0	
	W—8 200′ (Columbus range)												
Biggs Field el. 3,937′...	(Make let-down to El Paso Mun Airport. Fly contact from El Paso Mun. Airport to Biggs Field)												
Engle N. Mex: Engle Int Field el 4 853′	N—9,000′ (Albuquerque range)	None	N	10 mi —8 000′ E side N leg	5 800	172	2 9	R	600	1 5	600	2.0	Climb to 8 000 on S leg
	E—Min. enroute alt.			15 mi —8 000 E side N leg				S	600	1 0	600	2 0	
	S—8,000′ (W leg El Paso)			20 mi —8 000′ E side N leg				A	1 000	3 0	1 000	3 0	
	W—Min. enroute alt			25 mi —8 000 E side N leg				T	300	1 0	300	1 0	
Enterprise Utah Enterprise Int Field el 5 204′	NE—12,000′ (Milford range)	None	NE	10 mi —8 500′ W side NE leg	7 200	20	3.1	R	1 800	3 0	1 800	3 0	Climb to 9 000′ on SW leg
	SE—Min. enroute alt			15 mi —8 500′ W side NE leg				S	- ----	- -	- ----	- -	
	SW—9,000′ (NE leg Las Vegas)			20 mi —8 500′ W side NE leg				A	2 000	4 0	2 000	4 0	
	NW—Min. enroute alt			25 mi —8 500′ W side NE leg				T	1 000	2 0	1,000	2 0	
Ephrata, Wash: Ephrata Airport el 1 273	N—Min. enroute alt.....	None	S	10 mi —2 500′ E side S leg	2 000	336	3 9	R	800	2 0	800	2 0	Turn to right, climb to 5 000′ on E leg Hills W of Air port
	E—5 000′ (Spokane range).			15 mi —2 500′ E side S leg.				S	- ---	- -	- ---	- -	
	E—3,500′ (Harrington FM)			20 mi —2,500 E side S leg				A	1 000	3 0	1 000	3 0	
	S—Min. enroute alt.			25 mi —3 000′ E side S leg				T	300	1 0	300	1 0	
	W—7,000′ (Ellensburg range)												
Ephrata, Wash: Moses Lake AAF el. 1,190′.	(Make let-down to Ephrata Airport	Fly contact from Ephrata Airport to Moses Lake AAF.)											
Erie Pa: Port Erie Airport el 735	NE—3,000′ (SW leg Buffalo).	None	W	10 mi —2 000 S side W leg	1 500	64	2 0	R	500	1 5	500	1 5	Climb to 3 000′ on NE leg
	S—3,000′ (E leg Youngstown).			15 mi —2 000 S side W leg				S	500	1 0	500	1 5	
	W—2 000′ (N leg Youngstown)			20 mi —2,000′ S side W leg				A	1 000	3 0	1 000	3 0	
	W—1,500 (North Springfield FM final).			25 mi —2 000 S side W leg				T	300	1 0	300	1 0	
	N—2 000 (E leg Clear Creek)												
Eugene, Oreg.: Mahlon Sweet Airport el 365′	N—3,000 (Portland range)	None	N	10 mi —3 000′ West side N leg	1 500	150	4 5	R	600	1 5	600	1 5	Turn right climbing to 3,000′ on N leg 1,000′ terrain 6 mi. W of N leg, 6 mi N of range
	E—Min. enroute alt.			15 mi —3 000′ West side N leg				S	500	1 0	500	1 0	
	S—6 000′ (Medford range).			20 mi —3 000′ West side N leg				A	1 000	3 0	1 000	3 0	
	S—5,000 (Cottage Grove FM)			25 mi —3 000′ West side N leg				T	300	1 0	300	1 0	
	W—Min. enroute alt.												
Evansville, Ind: Evansville Air port el 383′	N—1,900′ (Terre Haute range)	None	N	10 mi —1 800 W side N leg.	1 300′	177°	5 7	R	600	1 5	600	2 0	Climb to 1 800′ on S leg.
	E—2,000′ (S leg Indianapolis)			15 mi —1 800 W side N leg				S	600	1 0	600	1 5	
	S—1,800′ (NW leg Nashville)			20 mi —1 800′ W side N leg				A	1 000	3 0	1 000	3 0	
	W—1,800′ (E leg St. Louis)			25 mi.—1 800′ W side N leg				T	300	1 0	300	1 0	
Everett Wash: Paine Field el 568	N—3,000′ (SE leg Patricia Bay)	None	S	10 mi.—1 600 W side S leg	1 300′	330	3.1	R	600	1 5	700	2.0	Climb to 3,000′ on N leg. High terrain 9 mi E of S leg 20-25 mi out
	E—2,000′ (NE leg Seattle)			15 mi.—1 600′ W side S leg				S	500	1 0	500	2 0	
	S—3,000′ (Seattle range).....			20 mi.—2 000 W side S leg				A	1 000	3 0	1 000	3 0	
	W—2,000′ (NW leg Seattle).....			25 mi.—3 000′ W side S leg.				T	300	1 0	300	1 0	
Fairfield-Suisun (Fairfield) Calif Fairfield Suisun AAF el 57′	NE—2,000′ (NW leg Sacramento)	None ---	NE	10 mi.—1 500 N side NE leg -- --	1 000′	2.0°	3.2	R	500	1 5	500	1 5	Climb to 3,000′ on SW leg between range and NW leg of Oakland range
	SE—2,000′ (SW leg Stockton).			15 mi.—1 500′ N side NE leg				S	500	1 0	500	1 5	
	SW—3,000′ (NW leg Oakland).			20 mi.—1 500′ N side NE leg				A	1 000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi.—1,000′ 6 side NE leg				T	300	1.0	300	1.0	
Fairfield, Utah	No procedure approved												
Fallon Nev.....	No procedure approved												
Fargo, N Dak.: Fargo-Hector Fld el. 899′: Procedure No 1.....	N—2,100′ (Grand Forks range).....	None.....	E	10 mi.—2,200′ N side E leg.....	1 500′	263°	0.9	R	500	1.5	500	1.5	Climb to 2 000′ on W leg.
	E—Min. enroute alt.			15 mi —2,300′ N side E leg.				S					
	SE—2 900′ (Alexandria range)			20 mi.—2,400′ N side E leg.				A	1 000	3 0	1 000	3 0	
	SE—2,300′ (Barnesville FM).			25 mi.—2 400′ N side E leg.				T	300	1.0	300	1.0	
	W—2,000′ (Jamestown range)												
	W—2,200′ (Wheatland FM)												

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Fargo, N Dak.: Fargo-Hector Fld, el. 890'—Continued													
Procedure No 2	N—2,100' (Grand Forks range) E—Min. enroute alt. E—1,700' (West Fargo LFM) SE—2,000' (Alexandria range) SE—2,300' (Barnesville FM). W—2,000' (Jamestown range). W—2,200' (Wheatland FM, final)	None	W	10 mi—2,200' S side W leg 15 mi—2,300' S side W leg 20 mi.—2,300' S side W leg 25 mi.—2,400' S side W leg	1,700' (Over West Fargo, LFM)	83° (From west Fargo LFM)	3.0						Climb to 2,600' on E leg within 25 mi.
Florence, S C: Florence Airport el 146'	NE—1,500' (S leg Raleigh) SE—1,500' (N leg Myrtle Beach) SW—1,500 (E leg Columbia) NW—Min. enroute alt See New York, N. Y.	None	SE	10 mi.—1,200' E side SE leg 15 mi—1,200' E side SE leg 20 mi.—1,200' E side SE leg 25 mi—1,200 E side SE leg	500	202°	1.7	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 1,500' on NW leg within 25 mi
Floyd Bennett, N. Y.													
Fort Bridger, Wyo: CAA Int Field, el. 7,010'	N—11,000' (E leg Malad City). E—10,000' Rock Springs range) S—Min. enroute alt. W—12,000' (Ogden range)	None	E	10 mi—8,000 N side E leg 15 mi—8,000' N side E leg 20 mi.—9,000' N side E leg 25 mi.—9,000' N side E leg	7,000'	228°	2.4	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	2.0 2.0 3.0 1.0	Make procedure turn N side of W leg and climb to 10,000' on E leg
Fort Jones, Calif.	No associated airport												
Fort Myers, Fla: Page Field, el 15'	NE—Min. enroute alt. SE—1,500' (W leg Miami) SW—Min. enroute alt. NW—1,500' (S leg Tampa)	None	SW	10 mi—1,200 S side SW leg 15 mi—1,200' S side SW leg 20 mi—1,200' S side SW leg 25 mi—1,200 S side SW leg	700'	38	3.0	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	2.0 2.0 3.0 1.0	Climb to 1,200' on NE leg
Buckingham AAF, el 25'	(Make let-down to Page Field Fly contact from Page Field to Buckingham AAF)												
Fort Wayne, Ind.: Baer Field, el 799'	NE—2,500' (E leg Goshen) SE—2,500' (Dayton range) SW—2,100 (S leg Goshen). SW—1,400' (Markle FM, final) NW—2,500' (E leg Goshen)	None	SW	10 mi—1,600' S side SW leg 15 mi—1,600' S side SW leg 20 mi—1,600' S side SW leg 25 mi—1,600' S side SW leg	1,400'	61°	3.3	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 2,500 on NE leg
Fort Worth, Tex: Meacham Field, el. 652'													
Procedure No 1, ILS page 173	N—2,000' (S leg Oklahoma City) N—1,400' (Hodet FM, final) E—2,000 (N leg Dallas) E—2,000 (NW leg Waco). W—2,000' (NW leg Waco). W—2,100' (Weatherford FM).	None	N	10 mi.—2,000' W side N leg 15 mi—2,000 W side N leg 20 mi—2,000' W side N leg 25 mi—2,000 W side N leg	1,400'	177°	2.4	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 2,000' on S leg
Procedure No 2	N—2,000' (S leg Oklahoma City) E—2,000' (N leg Dallas). E—2,000' (NW leg Waco). E—1,500 (Joshua FM, final) W—2,500' (NW leg Waco)	None	S	10 mi—2,000' E side S leg 15 mi—2,000' E side S leg 20 mi—2,000' E side S leg 25 mi—2,000' E side S leg	1,500' over Fort Worth LFM	357° from Fort Worth LFM	2.0						Climb to 2,000' on N leg
Fresno, Calif Fresno-Chandler Fld, el 326'	NE—Min. enroute alt. SE—2,000' (Bakersfield range) SW—Min. enroute alt. W—0,000' (NE leg Salinas) W—2,000' (Los Banos FM).	None	SE	10 mi—1,000' W side SE leg 15 mi—1,000' W side SE leg 20 mi—1,000' W side SE leg 25 mi.—1,000' W side SE leg	600'	23°	0.0						If contact not estab. over range, climb to 2,000' on W leg within 25 mi.
Furlong Airport: el 225	(Make let-down to Fresno-Chandler Fld Fly contact from Fresno Chandler Fld to Furlong Airport)												
Front Royal, Va.	No associated airport.												
Gage, Okla: Gage Airport, el 2,223'	NE—3,000' (S leg Hutchinson) SE—3,000' (W leg Oklahoma City) SW—4,000' (Amarillo range) NW—Min enroute alt	None	NE	10 mi.—3,000' N side NE leg 15 mi—3,000' N side NE leg 20 mi.—3,000' N side NE leg 25 mi—3,000 N side NE leg.	3,100'	224°	2.1	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 4,000 on SW leg
Galveston, Tex: Galveston Airport, el 7'	NE—Min enroute alt SE—Min. enroute alt. SW—Min. enroute alt. NW—1,000' (Houston range)	None	NW	10 mi—1,000 W side NW leg 15 mi—1,000 W side NW leg 20 mi.—1,000 W side NW leg 25 mi—1,000 W side NW leg	600	125°	4.2	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 1,000 on SE leg
Garden City, Kans: Garden City AAF, el 2,894'	N—Min. enroute alt. E—4,000' (Hutchinson range) S—Min. enroute alt. W—5,000' (La Junta range)	None	N	10 mi—4,000 W side N leg 15 mi—4,000' W side N leg 20 mi—4,000 W side N leg 25 mi—4,000 W side N leg	3,500'	133°	7.3	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	2.0 2.0 3.0 1.0	Make 45° right turn and climb to 4,000' on S leg within 25 mi
Garden City Mun Arpt: el 2,841'	N—Min. enroute alt. E—4,000' (Hutchinson range) S—Min. enroute alt. W—5,000' (La Junta Range)	None	N	10 mi—4,000' W side N leg 15 mi—4,000' W side N leg 20 mi—4,000' W side N leg 25 mi—4,000' W side N leg	3,500	163°	3.7	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 4,000' on S leg within 25 mi
Gila Bend, Ariz: Gila Bend AAF, el 85'	N—5,000' (W leg Phoenix) E—5,000' (S leg Phoenix) S—Min. en route alt. W—4,000' (Yuma range)	None	W	10 mi—2,000 S side W leg 15 mi—2,000' S side W leg 20 mi.—4,000' S side W leg. 25 mi.—4,000 S side W leg	1,500'	160°	4.0	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	If contact not estab. over range climb to 5,000' on E leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn m n. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt ; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Glenview Ill : Glenview NAS el 654′	NE—Min. en route alt..... SE—2,300′ (NE leg Chicago) SW—2,500 (NW leg Joliet) NW—Min. en route alt	None	NW	10 mi 1,000 N side NW leg. 15 mi -2 000′ N side NW leg 20 mi -2,000 N side NW leg 25 mi -2 000 N side NW leg	1 400′	140°	3 0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Make left turn and climb to 2,000′ on NW leg within 25 mi.
Glynco, Ga..	No procedure approved.												
Godman: (Ft. Knox) Ky Godman Field el 740′	N—2 500′ (W leg Louisville) E—2,500 (S leg Louisville). S—2,500′ (NE leg Bowling Green) W—Min en route alt	None	N	10 mi -2 500′ W side N leg 15 mi -2 500 W side N leg 20 mi -2,500 W side N leg 25 mi -2 500 W side N leg	1 500′	172	3 1	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 500 on S leg
Goodfellow: (San Angelo) Tex : Goodfellow Field el 1,877′	N—3,500′ (E leg Big Spring) E—3,000 (S leg Abilene). S—3,200′ (NW leg San Antonio (Kelly)) W—3,100 (SE leg Big Spring)	None	S	10 mi -3 100′ E side S leg 15 mi -3 500′ E side S leg 20 mi -3 500′ E side S leg 25 mi -3 500 E side S leg.	2 600	320	2.5						Climb to 3 500 on N leg
San Angelo Arpt el 1 915′	N—3,500′ (E leg Big Spring) E -3,000 (S leg Abilene). S—3,200′ (NW leg San Antonia (Kelly)) W—3,100′ (SE leg Big Spring).	None	E	10 mi.-3,000 N side E leg. 15 mil -3,000′ N side E leg 20 mi.-3,000′ N side E leg. 25 mil -3,000 N side E leg	2 500′	240	6 5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 3 100′ on W leg
Gordonsville Va : CAA Int Fld el 438′	NE—2,900′ (SW leg Washington) SE—Min. en route alt. SW—3,600′ (NW leg Richmond) NW—Min. en route alt.	None	NE	10 mi -2,100′ N side NE leg 15 mi -2,100′ N side NE leg 20 mi -2,100 N side NE leg 25 mi -2,100 N side NE leg	1 900	135°	2 5	R S A T	1 500 1 500 1 000	3 0 3 0 3 0	1 500 1 500 1 000	3 0 3 0 3 0	If contact not estab. over range, climb to 2,900′ on SE leg 1820′ terrain 5 mi NW
Goshen, Ind : Goshen Arpt el 823′	N—2,100′ (E leg South Bend). E—2,300′ (NW leg Ft Wayne) S—Min. en route alt. W—2,100′ (S leg South Bend)	None	W	10 mi -2,000 S side W leg. 15 mi -2,100 S side W leg 20 mi -2 100 S side W leg 25 mi -2 100 S side W leg	1 600	90	2.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 300′ on E leg
Grand Forks, N. Dak : Grand Forks Arpt el 837′	N—2,000′ (Pembina Range) E—Min en route alt S—Min. en route alt. W—Min en route alt	None	S	10 mi -1 900 E side S leg 15 mi -2 000 E side S leg 20 mi -2 000 E side S leg 25 mi -2 500 E side S leg	1 400	350°	3 4	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 000 on N leg
Grand Island, Nebr : Grand Island AAF, el 1 846′	N—Min. en route alt ... E—3,000′ (N leg Lincoln) S—Min. en route alt. W—4,000′ (S leg North Platte)	None	N	10 mi -3 000 W side N leg 15 mi.-3 000 W side N leg 20 mi -3 500 W side N leg 25 mi -3 500 W side N leg.	2 500′	165	1 3	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb to 4 000 on S leg with in 25 mi
Grand Rapids, Mich : Kent Co Arpt el 681′	NE—Min. en route alt ..... E—2,300′ (Lansing Range) SE—Min. en route alt. SW—2,100′ (NE leg Chicago). NW—1 900 (Muskegon Range)	None	SE	10 mi -2 000 E side SE leg. 15 mi -2 000 E side SE leg 20 mi -2 000 E side SE leg 25 mi -2 000 E side SE leg	1 500′	303°	2 0	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 5 3.0 1 0	Climb to 1 900 on NW leg
Great Falls, Mont.: Great Falls Mun Airport el 3,669′	NE—Min. en route alt..... E—3,700′ (Lewistown range) E—5 500′ (Belt FM). SW—3 500′ (N leg Helena) SW—5,500′ (Cascade FM). NW—6,000 (Cut Bank range).	None	SW	10 mi -5 500 S side SW leg 15 mi -5 500 S side SW leg 20 mi -6 500 S side SW leg	4,300′	17°	1 5	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb to 5,500 on NE leg within 25 mi
Great Falls AAF el. 3,485....	(Make let down to Great Falls Mun Airport Fly contact from Great Falls Mun. Airport to Great Falls AAF.)												
Greensboro, N. C : High Point Airport el 905	NE—2,500′ (SE leg Lynchburg) SE—2,500′ (Popo range). SW—3,000 (N leg Charlotte) NW—5,000 (Pulaski range)	None	NE	10 mi —2 300′ N side NE leg 15 mi —2 300 N side NE leg 20 mi —2 300 N side NE leg 25 mi —2 300 N side NE leg	1 800′	241°	1 5	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb to 3 000 on SW leg
Greenville, S. C : Greenville Air port el 1 015′	N—Min. enroute alt..... E—2,500′ (SW leg Spartanburg) S—Min. enroute alt. S—1,800′ (SW leg Spartanburg final) W—Min enroute alt.	None	S	10 mi —2 500′ E side S leg 15 mi —2 500′ E side S leg 20 mi —2 500′ E side S leg 25 mi —2 500 E side S leg.	1 800	2	1 9	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 5 3 0 1 0	Make right turn and climb to 2 500′ on E leg.
Greenwood, Miss : Greenwood AAF el 162′	N—1,300 (Memphis range) E—Min. enroute alt. S—1,700′ (Jackson range) W—Min. enroute alt.	None	W	10 mi —1 400 S side W leg 15 mi —1 400′ S side W leg 20 mi —1 400′ S side W leg 25 mi —1 400′ S side W leg.	900	85	3 0						Climb to 1,500′ on E leg within 25 mi
Greenwood Mun el 129′	N—1,300′ (Memphis range) E—Min. enroute alt. S—1,700′ (Jackson range) W—Min. enroute alt	None	E	10 mi —1 300 N side E leg 15 mi.—1 300′ N side E leg. 20 mi —1 300′ N side E leg. 25 mi —1 300′ N side E leg.	800′	265°	1.9	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	500 500 1 000 300	1 5 1.5 3 0 1.0	Climb to 1,500′ on W leg within 25 mi
Grenier (Manchester) N H : Grenier Field el 230′	N—2,500′ (W leg Concord) E—2,000′ (N leg Boston) S—2,000′ (W leg Boston). W—3,500′ (W leg Boston).	None.....	S	10 mi —1 600′ E side S leg 15 mi.—1 600′ E side S leg. 20 mi —2 000′ E side S leg. 25 mi —2 000′ E side S leg.	1 100′	352°	4.	R S A T	600 500 1 000 300	1 5 1 0 3 0 1.0	600 500 1 000 300	1.5 1.5 3 0 1.0	Climb to 2 500′ on N leg.
Harrisburg, Pa.: Harrisburg State Airport, el. 344′	N—3 000′ (E leg Philipsburg) E—2,500′ (SW leg Allentown) E—2,000′ (Middletown FM).. S—2,000′ (NE leg Washington) W—3,500′ (S leg Philipsburg). W—1 900 (Carlisle FM final)	None..	W	10 mi.—2 400′ S side W leg..... 15 mi.—3 000′ S side W leg. 20 mi —3,000′ S side W leg. 25 mi.—3 000′ S side W leg.	1,900′	118°	1.1	R S A T	1 500 1 000 500	2.0 3 0 1.0	1 500 1 000 500	2.0 3 0 2.0	Climp to 2 500′ on E leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt: Mag bear	Station to arpt: Dist. (mi)	Ceiling and visibility minimums	Day: Ceil ft	Day: Vis mi	Night: Ceil ft	Night: Vis mi	If contact not estab. over arpt; remarks
Hartford, Conn.: Brainard Airport, el 18'	NE—2,400' (E leg Westfield)...	None	SE	10 mi —2 000' E side SE leg	1 400	323°	2 3	R	600	1 5	600	1 5	Climb to 2,500 on NW leg
	SE—1,600' (SW leg Providence)			15 mi —2 100' E side SE leg				S	600	1 0	600	1 5	
	SW—2,000' (S leg Westfield).			20 mi —2,100' E side SE leg				A	1,000	3 0	1 000	3 0	
	NW—3,500 (S leg Westfield)			25 mi —2,100 E side SE leg.				T	300	1 0	300	1 0	
Rentschler Field, el 45	NE—2,400' (E leg Westfield)...	None	SE	10 mi —2,000' N side SE leg	400	1°	2.4	R	600	1 5	600	1 5	Climb to 2,500 on NW leg
	SE—1,600' (SW leg Providence)			15 mi —2,100' N side SE leg				S	600	1 0	600	1 5	
	SW—2,000' (S leg Westfield).			20 mi —2 100' N side SE leg				A	1 000	3 0	1 000	3 0	
	NW—2,500' (S leg Westfield).			25 mi.—2,100' N side SE leg				T	300	1 0	300	1 0	
Harvey, Ill.....	Rubinkam Airport. No procedure estab. because of heavy traffic in Chicago area.												
Hayes Center, Nebr.: Hayes Center Int Fld, el 3,074'	N—4,000' (W leg North Platte)	None	W	10 mi —4 000' S side W leg	3 900	04°	2.2	R	800	1 5	800	1 5	Climb to 4 500 on E leg.
	E—4,000 (S leg North Platte)			15 mi —4 000' S side W leg				S	800	1 0	800	1 5	
	S—Min. enroute alt.			20 mi —4 000' S side W leg				A	1 000	3 0	1,000	3 0	
	W—5,000' (Akron range).			25 mi —4,000' S side W leg.				T	300	1 0	300	1 0	
Helena, Mont: Helena Airport, el 3,852'.	N—10,000' (SW leg Great Falls)	On SE leg within 10 mi.	SE	10 mi —6 000' N side SE leg	5 500'	252°	1.9	R	1 500	2.0	1 500	2 0	Make right turn and climb to 8,500' on SE leg within 10 mi. High terrain 4 mi. S of SE leg 10 mi out.
	SE—10,000' (NW leg Bozeman)			15 mi —8 500 N side SE leg				S					
	SE—8,500' (Winston FM).			20 mi —8,500' N side SE leg.				A	1,500	3 0	1,500	3 0	
	S—11,000' (Whitehall range).			25 mi —10,000' N side SE leg.				T	500	1 0	500	2.0	
	W—10,000' (Drummond range).												
	W—9,000' (McDonald Pass LM)												
Hobbs, N. Mex.: Hobbs AAF, el 3,707'	N—Min enroute alt	None	N	10 mi —5 000 W side N leg	4 500'	168°	2.8	R	600	1 5	600	2.0	Climb to 5,000' on S leg
	E—Min. enroute alt.			15 mi —5 000 W side N leg				S	600	1 0	600	2.0	
	S—5,000' (Wink range).			20 mi —5 000 W side N leg				A	1 000	3 0	1 000	3 0	
	W—5,500' (SE leg Roswell).			25 mi.—5,000' W side N leg.				T	300	1.0	300	1 0	
Hobbs Mun Arpt, el 3 658'	(Make let-down to Hobbs AAF Fly contact from Hobbs AAF to Hobbs Municipal Airport)					R—600—1.5 day, 600'—2.0 night S—600'—1 0 day, 600'—2 0 night						A—1,000'—3 0 day, 1,000'—3.0 night T—300'—1 0 day, 300'—1 0 night	
Houghton, Mich	No associated airport.....	.....	..	.....	....	....	..	..	...	..	...	..	
Houlton, Maine: Houlton Airport, el 453'	N—2,500' (E leg Presque Isle)	None	N	10 mi —2 000' E side N leg ..	1 600'	165°	3.1	R	500	1 5	500	2.0	Climb to 2,000' on S leg
	E—2,0[illegible]' (NW leg Dilesville)			15 mi —2 000 E side N leg				S	500	1 0	500	2.0	
	S—2,[illegible]' (E leg Mill Pocket).			20 mi —2 700' E side N leg				A	1 000	3 0	1,000	3 0	
	W—2,000' (S leg Presque Isle).			25 mi —2 700 E side N leg				T	300	1 0	300	1 0	
Houston, Tex.: Houston Airport, el 50'..	E—1,000' (Beaumont range).	None.. ..	SE	10 mi —1,100' W side SE leg	700'	000°	2.2	R	600	1 5	600	1 5	Climb to 1,000' on NW leg
	SE—1,000' (Galveston range).			15 mi —1,100 W side SE leg				S	600	1 0	600	1 5	
	SE—[illegible]' (Webster LM, final)			20 mi —1,100' W side SE leg				A	1 000	3 0	1,000	3 0	
	SW—1,[illegible]' (E leg Richmond)			25 mi —1 100' W side SE leg				T	300	1 0	300	1 0	
	SW—1,[illegible]' (Arc 14 LM).												
	NW—1,000 (N leg Richmond)												
Ellington Field, el. 53'...	(Make let down to Houston Airport Fly contact from Houston Airport to Ellington Field.)												
Humboldt, Nev: Humboldt Int Field, el 4,109'.	NE—12,000' (Battle Mtn range)	SW.....	NE	10 mi —7,000' S side NE leg	6,000'	223°	2.0	R	1 000	1 0	1,000	2.0	Climb to 11,000' on SW leg
	SE—Min. enroute alt.	SW leg to 10 000'		15 mi —9,000' S side NE leg.				S	...	..	...	..	
	SW—11,000' (NW leg Fallon)			20 mi —11,000' S side NE leg				A	1,000	3 0	1,000	3 0	
	NW—Min. enroute alt.			25 mi —11,000 S side NE leg				T	300	1 0	300	1 0	
Huntington, W. Va.: Huntington Airport, el 550	E—2,000 (W leg Charleston)	None	W	10 mi —2,100' S side W leg	1,000'	75°	2.3	R	1 000	2.0	NA		Climb to 2,500 on E leg
	SE—4,000' (S leg Charleston)			15 mi —2 100' S side W leg				S	...	..	...		
	W—Min. enroute alt.			20 mi.—2 100' S side W leg.				A	3 000	3 0	NA		
	NW—2,000' (S leg Columbus).			25 mi —2 100' S side W leg.				T	1,000	2.0	NA		
Huron, S. Dak.: W W Howes Arpt, el 1,297'	NE—3,000' (Watertown range)	None ..	SW	10 mi —2,000' S side SW leg	2 000	44°	2.7	R	500	1 5	500	2.0	Climb to 3,000' on NE leg. City of Huron and about 3 of Airport
	SE—3,000' (Sioux Falls range)			15 mi —2,000 S side SW leg				S	500	1 0	500	2.0	
	SW—Min. enroute alt.			20 mi —2 000' S side SW leg				A	1 000	3 0	1 000	3.0	
	NW—Min enroute alt			25 mi.—2 000' S side SW leg				T	300	1 0	300	1 0	
Hutchinson, Kans.: Hutchinson Arpt, el 1,542'	N—Min. enroute alt.....	None	S	10 mi —2 000' E side S leg	2 300	359°	3.1	R	500	1 5	500	1 5	Climb to 3,000' on N leg within 25 mi
	E—2,[illegible]' (N leg Wichita).			15 mi —2 100' E side S leg				S	500	1 0	500	1 5	
	S—2,[illegible]' (SW leg Wichita).			20 mi —2 100' E side S leg				A	1,000	3 0	1 000	3 0	
	W—1,600' (Garden City range)			25 mi —2 100' E side S leg.				T	300	1 0	300	1 0	
Hutchinson NAS el 1,552'	N—Min. enroute alt.....	None	N	10 mi.—2 100' W side N leg	2 300	183°	5.8						Climb to 2,000' on S leg
	E—2,[illegible]' (N leg Wichita).			15 mi.—2,100' W side N leg.									
	S—2,[illegible]' (SW leg Wichita).			20 mi —2 100' W side N leg									
	W—1,000' (Garden City range)			25 mi —2,100' W side N leg.									
Idaho Falls, Idaho: Idaho Falls Arpt, el 4 720'	NE—4,000' (E leg Dubois)	None	NE	10 mi —6,000' W side NE leg	5 500'	102°	2.6	R	700	2 0	700	2 0	Climb to 7,000' on SW leg.
	SE—Min. enroute alt			15 mi —6,000' W side NE leg				S	700	1 0	700	2 0	
	SW—7,000' (Pocatello range).			20 mi —7,000' W side NE leg				A	1 000	3 0	1 000	3 0	
	NW—6,000' (N leg Pocatello)			25 mi —7,000' W side NE leg				T	300	1 0	300	1 0	
Hillwild, N. Y... .	Arpt not yet opened												
Indianapolis, Ind.: Indianapolis Airport, el 796	E—2,400 (NW leg Cincinnati)	None	W	10 mi —2 000 S side W leg ..	1,500	75°	3 3	R	700	1 5	700	1 5	Climb to 2,400' on E leg.
	S—2,200' (Louisville Range).			15 mi —2 000 S side W leg				S	700	1 0	700	1 0	
	W—2,000' (Terre Haute Range).			20 mi —2 000 S side W leg				A	1,000	3 0	1 000	3 0	
	W—1,[illegible] (Greencastle FM, final)			25 mi —2,000 S side W leg				T	300	1 0	300	1 0	
	NW—2,100' (NE leg Lafayette).												
Stout Field, el 714'	(Make let down to Indianapolis Airport Fly contact from Indianapolis Airport to Stout Field.)												
Indio, Calif. ...	No associated airport.												
Inyokern Calif	Armitage OLF No procedure approved												

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil. ft	Vis. mi.	Ceil ft	Vis mi.	
Jacks Creek, Tenn: CAA Int Field el 550'	N—Min. en route alt.....	None	N	10 mi —2 000' W side N leg	1 500'	186	2.6	R	500	1 5	500	1.5	Climb to 2 000' on S leg
	E—2,500' (Nashville Range).			15 mi —2 000' W side N leg				S	500	1 0	500	1 5	
	S—2,000' (W leg Muscle Shoals)			20 mi —2 000' W side N leg				A	1 000	3 0	1 000	3 0	
	W—2,000' (Memphis Range).			25 mi —2 000 W side N leg				T	300	1 0	300	1 0	
Jackson, Miss.: Hawkins Airport, el 343' ILS page 178	N—1,700' (Greenwood Range)	None	N	10 mi —1,700' W side N leg	1 200'	173	2.4	R	500	1 5	500	1 5	Climb to 1 600' on S leg
	E—1,700' (Meridian Range).			15 mi —1,700 W side N leg				S	500	1 0	500	1 0	
	S—1,600' (New Orleans Range)			20 mi —1 700 W side N leg				A	1 000	3 0	1 000	3 0	
	W—1,500' (Monroe Range)			25 mi —1 700' W side N leg				T	300	1.0	300	1 0	
Jacksonville, Fla: Jacksonville Airport No 1 el. 52' ILS page 178.	N—Min. en route alt.....	None	E	10 mi —1 100' N side E leg	600'	269	1.7	R	500	1 5	500	1 5	Climb to 1 200' on W leg
	N—1,200' (Brunswick H fac)			15 mi —1 100' N side E leg				S	500	1 0	500	1 5	
	E—Min. en route alt.			20 mi —1 100' N side E leg				A	1 000	3 0	1 000	3 0	
	E—600' Ft. George Is. FM, final)			25 mi —1,100' N side E leg				T	300	1 0	300	1 0	
	S—1,200' (N leg Daytona Beach)												
	W—1,200' (NE leg Cross City).												
Cecil NAAS el. 80'	(Make let down to Jacksonville Airport No 1	Fly contact from Jacksonville Airport No 1 to Cecil NAAS)											
Lee OLF, el. 22'	(Make let down to Jacksonville Airport No 1	Fly contact from Jacksonville Airport No 1 to Lee Olf.)											
Mayport CGAS, el. 16'	(Make let down to Jacksonville Airport No 1	Fly contact from Jacksonville Airport No 1 to Mayport CGAS.)											
Jacksonville NAS, el. 20'	(Make let down to Jacksonville Airport No. 1	Fly contact from Jacksonville Airport No 1 to Jacksonville NAS.)											
Jamestown, N Dak: Jamestown Airport el 1,493'	N—Min. en route alt....	None	E	10 mi —2 600' N side E leg	2 100'	253°	1 5	R	500	1.5	500	1 5	Climb to 3,400' on W leg.
	E—2,600' (Fargo Range)			15 mi —2 600 N side E leg				S					1 725 twrs 7.5 mi SSW;
	S—Min. en route alt.			20 mi —2 600' N side E leg				A	1 000	3 0	1 000	3 0	1,550 stacks ¾ Mi. SW of
	W—3,400' (Bismarck Range).			25 mi —2,600' N side E leg.				T	300	1 0	300	1 0	airport & 2¾ mi S of airport
Joliet, Ill: Joliet Airport el 580'	NE—1,900' (SW leg Chicago)	None	NW	10 mi —1 900' S side NW leg	1 400'	126°	3.7	R	500	1 5	500	2.0	Climb to 1 900' on SE leg
	SE—1,900' (SE leg Harvey)			15 mi —1 900 S side NW leg				S	500	1 0	500	2 0	
	SW—2,000 (E leg Peoria).			20 mi —1 900' S side NW leg				A	1 000	3 0	1 000	3 0	
	NW—1,900' (SW leg Chicago)			25 mi.—1 900 S side NW leg				T	300	1 0	300	1 0	
Joplin, Mo: Joplin Airport el 981'	N—2 500' (E leg Chanute).....	None	N	10 mi —2 000' W side N leg	2 000'	172°	6.2	R	500	1 5	500	1 5	Climb to 2 500' on S leg
	E—2,500' (SW leg Springfield)			15 mi —2 500' W side N leg				S	500	1 0	500	1 5	
	S—2,500' (NE leg Tulsa).			20 mi —2 500' W side N leg				A	1 000	3 0	1 000	3 0	
	W—2 500' S leg Chanute)			25 mi —2,500' W side N leg				T	300	1 0	300	1 0	
Kansas City, Mo.: Kansas City Airport el 739'	NE—2 500 (Kirksville Range).....	None	NW	10 mi —2 200 E side NW leg	1 700'	148°	2 9	R	700	1 5	700	1 5	Immediately make right
	NE—2,100 (Excelsior Springs FM)			15 mi —2 200' E side NW leg				S	500	1 0	500	1 0	turn and climb to 2 500' on
	SE—2,500' (N leg Joplin)			20 mi —2 500 E side NW leg				A	1 000	3 0	1 000	3 0	SW leg. Ctn: SE leg is
	SW—2,500 (S leg St. Joseph).			25 mi —2 500' E side NW leg				T	300	1 0	300	1 0	over Kansas City, 1,500'
	NW—2 500 (St. Joseph Range).												obst in city, adhere strictly
	NW—1,700 (Linkville FM, final)												to procedure
Fairfax Field el 742'	NE—2 500' (Kirksville Range).....	None	NW	10 mi —2 200 E side NW leg	1 700'	148	0 8	R	700	1 5	700	1 5	Immediately make right
	NE—2,100 (Excelsior Springs FM)			15 mi —2 200 E side NW leg				S	- ---	- -	- ---	- -	turn and climb to 2 500' on
	SE—2,500' (N leg Joplin)			20 mi —2 500' E side NW leg				A	1 000	3 0	1 000	3 0	SW leg. Ctn: SE leg is
	SW—2,500 (S leg St. Joseph).			25 mi.—2 500' E side NW leg				T	300	1 0	300	1 0	over Kansas City, 1,500'
	NW—2 500 (St. Joseph Range).												obst in city, adhere strictly
	NW—1 700 (Linkville FM final)												to procedure
Keesler (Biloxi), Miss.: Keesler Field el 26	NE—1,500' (NW leg Mobile).....	None	NE	10 mi —1 500' N side NE leg	1,000'	210°	2.9	R	500	1 5	500	1 5	Climb to 1 500' on SW leg
	SE—1,500' (W leg Pensacola)			15 mi —1,500 N side NE leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi —1 500 N side NE leg				A	1 000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi.—1,500 N side NE leg.				T	300	1 0	300	1 0	
Coast Guard Seaplane Base el Sea Level.	(Make let down to Keesler Field	Fly contact from Keesler Field to Coast Guard Seaplane Base)											
Gulfport No 1 el 27'	(Make let down to Keesler Field	Fly contact from Keesler Field to Gulfport No 1)											
Key West, Fla.: Meacham Airport, el 4'	N—Min enroute alt	None	W	10 mi —1 300 S side W leg	800'	70°	1 5	R	500	1 5	500	1 5	Climb to 1 500' on E leg
	E—Min. enroute alt.			15 mi —1,300 S side W leg				S	500	1 0	500	1 5	
	E—1,300' (Stock Island LFM)			20 mi.—1,300 S side W leg				A	1 000	3 0	1 000	3 0	
	S—Min. enroute alt.			25 mi —1 300 S side W leg				T	300	1 0	300	1.0	
	W—Min enroute alt												
Key West NAS el 5	N—Min enroute alt	None	W	10 mi —1 300 S side W leg	800'	70	5 8		--				Climb to 1,500' on E leg
	E—Min. enroute alt.			15 mi —1 300 S side W leg									within 25 mi
	E—1,300' (Stock Island LFM)			20 mi —1 300 S side W leg									
	S—Min. enroute alt.			25 mi —1 300' S side W leg									
	W—Min. enroute alt.												
Kirksville Mo: Kirksville Airport el 970'	NE—2,200' (Burlington Range)	None	SE	10 mi —2 100 E side SE leg	1 000'	320°	0 9	R	500	1 5	500	1 5	Climb to 2 500' on NW leg.
	SE—Min. enroute alt.			15 mi —2 100 E side SE leg				S	- ---	- -	- ---	- -	
	SW—2,500' (Kansas City Range)			20 mi —2 100 E side SE leg				A	1 000	3 0	1 000	3 0	
	NW—2,500 (S leg Des Moines)			25 mi —2 100 E side SE leg				T	300	1 0	300	1 0	
Klamath Falls, Oreg.: Klamath Falls Airport el. 4035'	N—10,000' (Redmond Range)	None	S	10 mi.—6 000 E side S leg	5 000'	342°	2.7	R	1 800	1 5	1 800	2 0	Turn left and climb to 8,000'
	N—8,500' (E leg Medford)			15 mi.—8 000 E side S leg.				S	- ---	- -	- ---	- -	on S leg. 6,800' terrain on S
	E—Min. enroute alt.			20 mi.—8 000' E side S leg				A	1 800	3 0	1 800	3 0	leg 20 mi. out 6,300' terrain
	S—8,000' (E leg Ft. Jones)			25 mi.—8 000 E side S leg.				T	1 000	1 0	1 000	2.0	5 mi. E of S leg within 19
	W—9 000' (S leg Medford)												mi.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Knoxville, Tenn.: McGhee Tyson Airport, el 988'	NE—4,500' (Tri City Range)	None --	N	10 mi —3,000' E side N leg.	2 000'	102°	3 8	R	500	1 5	500	1 5	Climb to 4 500 on W leg
	NE—4,000' (Piedmont FM)			15 mi —3,000' E side N leg				S	500	1 0	500	1 5	
	S—Min. enroute alt.			20 mi —3 000' E side N leg				A	1 000	3 0	1,000	3 0	
	S—4,500' (Tallahassee FM).			25 mi —3,000' E side N leg				T	300	1 0	300	1 0	
	W—4,500' (Smithville Range)												
	W—3,000' (Kingston FM)												
	N—Min enroute alt												
La Crosse, Wis.: La Crosse Airport, el 653'..	NE—Min enroute alt.....	None	NW	10 mi —2 500' W side NW leg..	1,800'	138°	5 2	R	600	1 5	600	2 0	Climb to 2 500' on SE leg
	SE—2,500' (Lone Rock Range)			15 mi.—2,500' W side NW leg				S	500	1 5	500	2 0	
	SW—2,500' (S leg Rochester).			20 mi —2 500' W side NW leg				A	1,000	3 0	1,000	3 0	
	NW—2,500' (E leg Rochester)			25 mi.—2 500' W side NW leg				T	400	1 0	400	1 5	
CAA Field, el 667' --	NE—Min. enroute alt.....	None	NW	10 mi —2 500' W side NW leg	1,800'	127°	1 8	R	500	2 0	500	2 0	Climb to 2 500 on SE leg
	SE—2,500' (Lone Rock Range)			15 mi —2 500' W side NW leg				S	...	...	...	...	
	SW—2,500' (S leg Rochester).			20 mi —2 500' W side NW leg				A	1,000	3 0	1 000	3 0	
	NW—2,500' (E leg Rochester)			25 mi —2 500' W side NW leg				T	500	1 0	500	2.0	
Lafayette, Ind.: Purdue Uni city Airport, el 605'	NE—1,500' (S leg Goshen).....	None --	SW	10 mi.—1,500' S side SW leg	1,200'	50°	2.4	R	700	1 5	700	1 5	Climb to 1,500' on NE leg; 500' stacks 1 5 mi NE of Arpt
	SE—2,000' (Indianapolis Range)			15 mi —1 500' S side SW leg				S	700	1 0	700	1 5	
	SW—1,500 (E leg Chanute).			20 mi.—1 500' S side SW leg				A	1,000	3 0	1,000	3 0	
	NW—1,500' (NE leg Chanute)			25 mi.—1,500 S side SW leg.				T	300	1 0	200	1 0	
La Junta, Colo: La Junta AAF, el 4 233'	NE—Min enroute alt	None	NE	10 mi.—6 000' W side NE leg	5 000'	104°	2.0	R	500	1 5	500	1 5	Climb to 6,000' on NE leg within 25 mi
	SE—Min. enroute alt.			15 mi —6 000' W side NE leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi.—6 000' W side NE leg				A	1,000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi —6 000' W side NE leg				T	300	1 0	300	1 0	
Lake Charles, La: Lake Charles Airport, el 17'	N—Min enroute alt.....	None	S	10 mi —1,200 E side S leg	800'	340°	2.5	R	500	1 5	500	1 5	Climb to 1,000' on N leg
	E—1,200' (SW leg Baton Rouge)			15 mi.—1,200' E side S leg				S	500	1 0	500	1 5	
	S—Min. enroute alt.			20 mi.—1,200' E side S leg				A	1,000	3 0	1,000	3 0	
	W—1,200' (Beaumont Range).			25 mi —1,200 E side S leg				T	300	1 0	300	1 0	
Lakehurst, N J.....	Lakehurst NAS. No procedure approved.												
Langley, Va: Langley Field, el. 10'	N—1,200' (SW leg Patuxent River)	None	W	10 mi —1,220' S side W leg --	1700'	102°	3 8	R	500	1 5	500	1 5	Climb to 1,220' on N side E leg
	E—1,220' (NE leg Norfolk)			15 mi —1,220' S side W leg				S	500	1 0	500	1 5	
	S—1,000' (SW leg Norfolk).			20 mi —1,220' S side W leg				A	1,000	3 0	1,000	3 0	
	W—1,220' (SE leg Richmond),			25 mi —1 220' S side W leg				T	300	1.0	300	1.0	
	W—700' (NW leg Norfolk)												
Lansing, Mich: Capitol City Airport, el. 857'	E—2,000' (N leg Romulus)..	None --	E	10 mi.—2 200 N side E leg ---	1,700'	230°	3.0	R	500	1 5	500	2.0	Climb to 2,000' on W leg
	SE—2,000' (W leg Romulus).			15 mi.—2 200' N side E leg				S	500	1.0	500	2.0	
	W—2,000' (Grand Rapids Range)...			20 mi.—2 200 N side E leg				A	1,000	3 0	1,000	3 0	
	NW—2,000' (NE leg Grand Rapids)			25 mi.—2,200 N side E leg				T	300	1 0	300	1 0	
Laramie, Wyo: Brees Field, el. 7,270'	NE—10,000' (N leg Cheyenne) --	None --	NW	10 mi —10 000' E side NW leg	8 000'	137°	2.2	R	500	1 5	500	2 0	Climb to 12 000' on SE leg
	SE—12,000' (N leg Denver)			15 mi —10 000' E side NW leg				S	500	1.0	500	1 5	
	SW—Min. enroute alt.			20 mi —10 000' E side NW leg				A	1,000	3.0	1,000	3.0	
	NW—10,000' (E leg Sinclair).			25 mi —10,000' E side NW leg				T	300	1 0	300	1 0	
Laredo, Tex: Laredo Airport, el. 512'	N—2,000' (San Antonio Range)	None ---	NW	10 mi —1,700' W side NW leg	1,200'	137°	3.1	R	500	1 5	500	1 5	Climb to 2 000' on SE leg
	SE—2,000' (W leg Brownsville)			15 mi.—1,700' W side NW leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi —1,700 W side NW leg				A	1,000	3 0	1,000	3.0	
	NW—Min enroute alt.			25 mi —1,700 W side NW leg				T	300	1 0	300	1.0	
Las Vegas, Nev.: Las Vegas AAF, el. 1,890	NE—9,000' (Enterprise Range)...	To 7,000' on NE & SW legs with in 20 mi	SW	10 mi.—5 000 S el to SW leg	3,400'	34°	1 0	R	1,000	2.0	1,000	2.0	Climb to 0 000' on NE leg
	NE—7,000 (Crystal FM)			15 mi —5 000' S side SW leg				S	...	...	...	...	
	SE—Min. enroute alt.			20 mi —7,000' S side SW leg.				A	1 000	2.0	1 000	2.0	
	SW—10,000' (Silver Lake Range)			25 mi —10 000' S side SW leg				T	1,000	2.0	1,000	2.0	
	NW—Min. enroute alt												
Sky Haven Airport, el. 2,200'...	(Make let-down to Las Vegas AAF	Fly contact from Las Vegas AAF to Sky Haven Airport.)											
Las Vegas, N. Mex: Las Vegas Airport, el 6 857'	NE—10,000' (S leg Trinidad)...	None	SW	10 mi.—9 000' E side SW leg --	7,500'	5°	3.2	R	500	1 5	500	2.0	Climb to 10,000' on right side of NE leg
	SE—10,000' (W leg Tucumcari)			15 mi —9 000 E side SW leg				S	...	...	...	...	
	SW—10,000' (E leg Otto)			20 mi —9 000' E side SW leg				A	1,000	3 0	1,000	3 0	
	NW—Min. enroute alt			25 mi —9 000' E side SW leg				T	300	1 0	300	2.0	
Lawson (Columbus), Ga.: Lawson Field, el 232'	NE—Min. enroute alt...	None	SW	10 mi —1,700 E side SW leg	1,000	21°	3 3	R	700	1 5	700	1 5	Climb to 2 000 on NE leg. Make all turns on NE leg on W side of leg, danger area in E quadrant.
	SE—No approch.—Danger Area.			15 mi.—1 700' E side SW leg				S	700	1 0	700	1 5	
	SW—2,000' (NW leg Dothan)			20 mi.—1,700 E side SW leg				A	1 000	3 0	1 000	3 0	
	NW—2,000' (E leg Maxwell)			25 mi —1 700 E side SW leg				T	300	1 0	300	1 0	
Lebo, Kans: CAA Int Field, el 1,100'	NE—2,000' (SE leg Topeka) --	None	SE	10 mi —2 200' E el to SE leg	1,700'	330°	0.0	R	500	1 5	500	2.0	Climb to 2 000 on NW leg
	SE—2,000' (N leg Chanute)			15 mi —2 200' E side SE leg				S	...	...	...	...	
	SW—3,000' (Wichita range).			20 mi.—2,200' E el to SE leg				A	1,000	3 0	1 000	3.0	
	NW—2,000' (SW leg Topeka)			25 mi —2,200' E side SE leg				T	300	1 0	300	1 0	
Lewistown, Mont: Lewistown air port, el. 4,177'	NE—Min. enroute alt...	None	W	10 mi.—6,000' S side W leg --	5,000'	00°	2.0	R	500	2 0	500	2 0	Make 180° right turn, climb ing to 8 700' on W leg
	E—7,000' (N leg Billings)			15 mi —6 000' S el to W leg				S	700	2 0	700	2.0	
	SW—Min enroute alt.			20 mi —6 000' S side W leg				A	1,000	3 0	1 000	3 0	
	W—8 700' (Great Falls range).			25 mi —6,000 S side W leg				T	300	1 0	300	1 0	
	W—5,000' (Stanford FM, final)												
Lincoln, Nebr: Lincoln Airport, el. 1,100'	N—2 700' (W leg Omaha).	None	N	10 mi —2,000' W side N leg ---	2,000'	170°	2.4	R	500	1 5	500	2.0	Climb to 2,000' on S leg with in 20 mi.
	E—2,000' (SE leg Omaha)			15 mi —2 000' W side N leg				S	500	1 0	500	1 0	
	S—Min. enroute alt.			20 mi —2 000' W side N leg				A	1,000	3 0	1,000	3 0	
	W—3 200' (S leg Grand Island)			25 mi —2 000 W side N leg				T	300	1 0	300	1 0	

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr.	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Little Rock Ark: Adams Field el 260'	NE—1,500' (Walnut Ridge Range) E—1,500' (Stuttgart range). SE—1,300' (SW leg Memphis). SW—1,700 (NE leg Texarkana) NW—Min. enroute alt.	None	SE	10 mi —1 300' E side SE leg 15 mi —1 300' E side SE leg 20 mi —1 300' E side SE leg 25 mi —1 300' E side SE leg	800'	313°	3.8	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2,100' on NW leg within 25 mi.
Livingston, Mont	CAA Field. No procedure approved												
Lone Rock, Wis: CAA Int field el. 714'	N—Min. enroute alt. E—2,800' (Madison range). SE—2,800' (SW leg Madison) S—Min. enroute alt. W—Min. enroute alt. NW—2,500' (La Crosse range).	None	W	10 mi —2 300' S side W leg 15 mi —2 300 S side W leg 20 mi —2,500' S side W leg 25 mi —2,500 S side W leg	2,014'	98°	0.0	R S A T	800 --- 1 300 500	2.0 -- 3 0 1 0	800 --- 1 300 800	2.0 -- 3 0 2.0	Climb to 2 800' on E leg.
Long Beach Calif: Long Beach Airport, el 56'	NE—3 000' (E leg Los Angeles) NE—1,500 (La Habra FM). SE—3 000' (S leg Santa Ana). SE—1,000' (Huntington Beach FM, final). SW—Min. enroute alt. NW—1 500' (Los Angeles range)	None	SE	10 mi —1 500 W side SE leg 15 mi —1,500' W side SE leg 20 mi —2 200 W side SE leg 25 mi —2 200 W side SE leg	1 000	298°	3 9	R S A T	600 500 1 000 300	2 0 1 0 3 0 1 0	600 500 1 000 300	2.0 1 0 3 0 1 0	Make left turn and fly 250 to S leg of Los Angeles (LF) rng. Proceed S on S leg of Los Angeles (LF) rng, climbing to and maintaining 2,000' to San Pedro Intxn. Proceed SW on SW leg of Long Beach rng climbing to 5 000'
Los Alamitos NAS, el. 27'	(Make let-down to Long Beach Airport	Fly contact from Long Beach Airport to Los Alamitos NAS)											
Los Angeles Calif: Los Angeles Airport el. 101'	N—4,000' (Burbank range) E—5 000 (Riverside range) E—3 000' (La Habra FM) E—1,000 (Downey FMH, final) S—3,000' (SW leg Long Beach) W—Min enroute alt	None	E	10 mi —2,500' S side E leg 15 mi —2 500 S side E leg 20 mi —2 500 S side S leg. 25 mi.—2,500 S side E leg.	1 000	244	3.9	R S A T	600 500 10 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2 500' on W leg
Los Angeles, Calif.:													
Compton Central Airport el. 100'.	(Make let-down to Los Angeles Airport	Fly contact from Los Angeles Airport to Compton Central Airport											
Culver City Airport, el 25'	(Make let-down to Los Angeles Airport.	Fly contact from Los Angeles Airport to Culver City Airport.)											
Gardena Valley Airport, el 50'	(Make let-down to Los Angeles Airport	Fly contact from Los Angeles Airport to Gardena Valley Airport)											
Hawthorne Airport, el 64'	(Make let down to Los Angeles Airport.	Fly contact from Los Angeles Airport to Hawthorne Airport.)											
Santa Monica Airport, el. 175'	(Make let-down to Los Angeles Airport	Fly contact from Los Angeles Airport to Santa Monica Airport.)											
Van Nuys Metropolitan Air port el. 800'	(Make let-down to Los Angeles Airport	Fly contact from Los Angeles Airport to Van Nuys Metropolitan Airport)											
Louisville, Ky.:													
Bowman Field, el 546'	N—Min. enroute alt. NE—2,500' (Cincinnati Range) E—Mm. enroute alt. E—1,400' (Eastwood FM, final). S—2 000' (NE leg Bowling Green) S—1,900 (Shepardsville FM). W—2,000' (Evansville Range). NW—2,200' (Indianapolis Range).	None	E	10 mi —1,000 S side E leg 15 mi —2 500 S side E leg 20 mi —2 500' S side E leg 25 mi.—2 500 S side E leg	1 400	269°	1 4	R S A T	600 1 000 300	1 5 3 0 1 0	600 1 000 300	1 5 3 0 1 0	Climb to 2,000' on W leg 1,450 tower N side E leg 12 mi out.
Standiford Airport el 480'	(Make let-down to Bowman Field	Fly contact from Bowman Field to Standiford Airport)											
Lubbock, Tex.:													
Lubbock AAF el 3,332'	N—Min enroute alt E—Min enroute alt S—Min. enroute alt. W—Min. enroute alt.	None	N	10 mi —4 400' W side N leg 15 mi —4 400' W side N leg 20 mi —4 400 W side N leg 25 mi.—4,400' W side N leg	4 100'	173	3.7	R S A T	600 600 1 000 400	2.0 1 0 3 0 1 0	600 600 1,000 400	2.0 1 0 3 0 2.0	Climb to 4 400 on S leg within 25 mi
Commercial Airport, el. 3,240'	(Make let-down to Lubbock AAF	Fly contact from Lubbock AAF to Commercial Airport)											
South Plains AAF, el. 3,256'	(Make let-down to Lubbock AAF	Fly contact from Lubbock AAF to South Plains AAF.)											
Lucin Utah: CAA Int. Field el 4,413'	E—9,000' (Ogden Range) S—Min. enroute alt. W—13,000' (Elko Range) N—Min. enroute alt	To 8500' within 15 mi on E leg *	E	10 mi —8 000' S side E leg. 15 mi.—8 500' S side E leg 20 mi —8 500' S side E leg 25 mi.—8,500 S side E leg	6 900'	156°	2.4	R S A T	1 500 2 500 1 500	2.0 2.0 2.0	1 500 2,500 1 500	3 0 3 0 3 0	If contact not estab at range, climb to 9,000' on S leg within 15 mi.* Make shuttle turns on S side E leg.
Lynchburg, Va.: Preston Glenn Airport el 935.'	NE—4,000' (NW leg Richmond) S—3,000' (NE leg Greensboro) W—5,000' (Roanoke Range) N—5 500' (NE leg Roanoke)	None	NE	10 mi —3 000' E side NE leg 15 mi —3 000 E side NE leg 20 mi.—3 000 E side NE leg 25 mi —3 000' E side NE leg.	1 900'	165°	1 9	R S A T	1 000 1 500	2.0 3 0	1 000 1 500	2.0 3 0	Climb to 5 000' on W leg
Macon Ga.: Herbert Smart Air port, el 463	NE—Min. enroute alt. SE—2,000' (Alma Range) SW—Min. enroute alt. NW—2 000' (Atlanta Range)	None	NE	10 mi —1 500' N side NE leg 15 mi.—1 500' N side NE leg. 20 mi.—1 500' N side NE leg. 25 mi —1,500' N side NE leg.	1,000'	240°	4.8	R S A T	500 500 1 000 300	1 0 1 5 1 0 3 0 1 0	500 500 1 000 300	1 0 1 5 1 5 3 0 1.0	Climb to 2,000' on SW leg within 25 mi.
Macon, Ga.:													
Cochran Field, el. 354'	(Make let-down to Herbert Smart Airport	Fly contact from Herbert Smart Airport to Cochran Field)											
Robins Field el 295'	(Make let-down to Herbert Smart Airport	Fly contact from Herbert Smart Airport to Robins Field.)											
Madison, Wis.:													
Truax Field, el. 859'	NE—Min. enroute alt. E—2,200' (Int. NE leg Rockford and W leg Milwaukee). SE—Min. enroute alt. SW—2,400' (NW leg Rockford) W—2,800' (Lone Rock Range). NW—Min enroute alt	None	SE	10 mi.—2,000 E side SE leg 15 mi —2 000 E side SE leg 20 mi.—2,100' E side SE leg 25 mi.—2,100' E side SE leg.	1,700'	314°	2.6	R S A T	500 500 1 000 300	1 5 1.0 3.0 1.0	500 500 1 000 300	1.5 1 5 3.0 1.0	Climb to 2,700' on NW leg within 25 mi.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Madison, Wis—Continued													
Jackson Seaplane Base, el 849'.	(Make let-down to Truax Field	Fly contact from Truax Field to Jackson Seaplane Base)											
Malad City, Idaho: CAA Int Field.	No procedure approved												
Marshall (Fort Riley), Kans: Marshall Field, el 1 002'	NE—2,500' (NW leg Topeka) SE—2,500' (SW leg Topeka). SW—2,500' (E leg Smoky Hill). NW—2,500' (N leg Smoky Hill)	None	NE	10 mi—2 500 N side NE leg 15 mi—2 500' N side NE leg 20 mi—2 500' N side NE leg 25 mi—2 500 N side NE leg	2 000'	106°	4 0	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	NA NA NA NA		Climb to 2 500' on SW leg
Martinsburg, W. Va: Martinsburg Airport el 550'	NE—3,500' (S leg Phillipsburg) E—3,000' (Baltimore Range), SW—3,000' (Front Royal Range) W—4,000' (S leg Altoona)	None	SW	10 mi—2 500 E side SW leg 15 mi—2 500' E side SW leg 20 mi.—2 500' E side SW leg 25 mi.—2,500 E side SW leg	1,500'	35°	2.0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 3,500' on NE leg
Maxwell (Montgomery), Ala: Dannelly Field el 210'	NE—Min. enroute alt E—Min. enroute alt. SW—1 000' (NW leg Pensacola) W—1,500' (S leg Birmingham)	None	NE	10 mi.—1 000' W side NE leg 15 mi—1,000' W side NE leg 20 mi.—1 000' W side NE leg 25 mi.—1 000' W side NE leg	000	170°	5.7						Climb to 1 000 on SW leg
Maxwell Field, el 167'	NE—Min. enroute alt E—Min. enroute alt SW—1,000' (NW leg Pensacola) W—1,500' (S leg Birmingham)	None	W	10 mi.—1,000 S side W leg. 15 mi—1 000 S side W leg 20 mi—1,000 S side W leg 25 mi.—1 000' S side W leg.	000	85°	2.0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1 500' on E leg within 25 mi
McChord (Tacoma), Wash: McChord Field, el 235'	NE—2,500' (SE leg Seattle) S—3,000' (E leg Toledo) SW—Min. enroute alt. N—3 000' (NW leg Seattle)	To 3,000' on NE leg within 25 mi	SW	10 mi.—2 000' S side SW leg 15 mi—2 000' S side SW leg 20 mi.—3 000 S side SW leg 25 mi.—3,000 S side SW leg	1,000'	20°	1.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 2,000 on NE leg within 25 mi High terrain S of int NE leg McChord on I SE leg of Seattle.
Medford, Oreg: Medford Airport, el 1,329'	N—8 000 (Eugene Range) N—3,000 (Trail FM final) * E—11,000' (N leg Klamath Falls) S—9 000' (Fort Jones Range). S—7,000' (W leg Klamath Falls) W—Min. enroute alt.	N leg within 14 mi	N	10 mi.—4 000' E side N leg 15 mi.—6 000' E side N leg 20 mi.—6 000' E side N leg 25 mi.—6 000' E side N leg	3 000 *	163°	2.4	R S A T	1,000 1,000 300	2.0 3 0 1 0	1,000 1,000 300	2.0 3 0 1 0	Make 180° right turn and climb to 6,000' on N leg. *Final approach altitude based on 10 mi airway width only
Melbourne, Fla: Melbourne Eau, Gallie Airport, el 20'	N—1,000' (SE leg Orlando) E—Min. enroute alt. S—1,000' (N leg W. Palm Beach) W—Min enroute alt.	None	N	10 mi—1,000' W side N leg 15 mi.—1 000 W side N leg 20 mi.—1,000' W side N leg 25 mi—1 000' W side N leg	800'	165°	2.3	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1,200 on S leg
Memphis, Tenn.: Memphis, Airport, el 257' ILS page 178	NE—1 000' (Jacks Creek Range) E—1,000 (Greenwood Range) S—800 (Nesbitt FM final). SW—1,000' (SE leg Little Rock) N—1,000' (Advance Range).	None	S	10 mi.—1,000' E side S leg 15 mi—1,000' E side S leg 20 mi.—1 000 E side S leg 25 mi.—1 000 E side S leg	800	355°	2.1	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,500' on N leg
Meridian, Miss.: Key Field, el 297'	NE—2,000' (Birmingham Range) S—Min enroute alt. W—1,000' (Jackson Range) N—Min enroute alt	None	N	10 mi.—1,000' W side N leg 15 mi—1,000 W side N leg 20 mi—1,000' W side N leg. 25 mi—1,000' W side N leg	1,000	154°	2.8	R S A T	500 500 1,000 300	1 5 1 0 3.0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 2,000' on S leg within 25 mi.
Miami, Fla.: Miami International AAF Airport, el 6	E—Min. enroute alt. E—800' (Miami Bay Shore FM, final) SE—1,000' (E leg Key West). W—1,000' (SE leg Fort Myers). N—1,000' (West Palm Beach Range) N—1,000' (Ft Lauderdale FM)	None	E	10 mi—1 000' N side E leg 15 mi—1 000 N side E leg 20 mi.—1,000' N side E leg 25 mi.—1 000' N side E leg	800'	270°	2.3	R S A T	500 500 1,000 300	1 5 1 0 3.0 1 0	500 500 1,000 300	1 5 1 0 3 0 1 0	Climb to 1,000' on W leg. 570' Bldg 8 side E leg within 3 mi.
Midland, Tex: Midland AAF, el 2 857'	NE—1,000' (Big Spring Range) SE—Min. enroute alt. SW—Min. enroute alt. NW—Min. enroute alt.	None	SW	10 mi—1 000 S side SW leg 15 mi—1 000' S side SW leg 20 mi.—1 000 S side SW leg 25 mi—1 000' S side SW leg	3,000'	45°	3 6	R S A T	1 000 1 000 300	1 0 3.0 1 0	1,000 1 000 300	1 0 3.0 1 0	Climb to 4,000' on NE leg. 2,000' tank within airport boundary 3' 0' tower on NE leg 10 mi out.
Miles City, Mont: Miles City Airport el 2 623'	N—Min. enroute alt E—5,000' (Dickinson Range) S—Min. enroute alt. W—5,000' (Custer Range).	None	W	10 mi.—1 000' S side W leg 15 mi—1 000 S side W leg 20 mi—1 000' S side W leg 25 mi—1 000 S side W leg.	3,000'	55°	2.1	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 5 000' on E leg
Milford, Utah: Milford Airport, el 5 001'	NE—12,000' (Delta Range) SE—Min. enroute alt. SW—11,000' (SE leg Enterprise) NW—Min. enroute alt	SW leg	SW	10 mi.—8 000' W side SW leg. 15 mi—8 000' W side SW leg 20 mi.—8 000 W side SW leg 25 mi—8 000 W side SW leg	6,000'	20°	1 0	R S A T	1,000 1,000 300	2.0 3 0 2 0	1 000 1 000 300	3 0 3 0 2.0	Make left turn and climb to 8,000' on SW leg within 25 mi
Millinocket, Maine: Millinocket Airport, el 401'	N—3,000' (W leg Houlton) E—2,000' (S leg Houlton). S—2,000' (NW leg Bangor). W—4,000' (NW leg Bangor)	None	E	10 mi—1 000' N side E leg 15 mi—2 000' N side E leg 20 mi—2 000' N side E leg 25 mi—2 000' N side E leg.	1 500'	292°	1 6	R S A T	500 1 000 300	2.0 3 0 2 0	500 1 000 300	2.0 3 0 2.0	Climb to 2 500' on S leg
Millville, N J: Millville Airport, el 69'	NE—Min enroute alt SE—Min. enroute lat. SW—1,500' (SE leg Baltimore). NW—1,500' (W leg Philadelphia)	None	NW	10 mi—1,500 W side NW leg 15 mi—1,500' W side NW leg 20 mi—1,500' W side NW leg 25 mi.—1,500' W side NW leg	800	144°	4.3	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 0 3 0 1 0	Climb to 1,500' on SE leg
Milwaukee Wis.: General Mitchell Airport, el 670'	N—Min. enroute alt E—1,000' (Muskegon Range) S—2 000' (NW leg Chicago). S—1,000' (Kenosha FM, final) W—2 000' (NE leg Rockford) W—2,000' (Geneva FM)	None	S	10 mi—1 000' E side S leg 15 mi—1,000' E side S leg 20 mi—1 000' E side S leg 25 mi—1 000' E side S leg	1 800'	352°	2.5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 2,000 on N leg within 25 mi

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr.	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear.	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis. mi.	
Minneapolis, Minn.: Wold Chamberlain Field el 834′	N—2,600 (Duluth Range)...	None --	SE	10 mi —2 300 N side SE leg	1 500	208°	3 6	R	500	1 5	500	1 5	Climb to 2,600 on NW leg 1,350 twr on N leg 10 mi. out
	SE—2 400′ (N leg Rochester).			15 mi —2 300 N side SE leg				S	500	1 0	500	1 5	
	SE—1,400 (Hastings FM final)			20 mi —2 300 N side SE leg				A	1 000	3 0	1 000	3 0	
	SW—2 900 (Sioux Falls Range)			25 mi —2 300 N side SE leg				T	300	1 0	300	1.0	
	SW—2,300 (Jordan FM).												
	NW—2 600 (Alexandria Range)												
	NW—2 300 (Hamel FM)												
	(Make let down to Wold Chamberlain Field Fly contact from Wold Chamberlain Field to St Paul Airport)												
Minneapolis, Minn : St Paul Airport el. 704 .													
Minot, N. Dak.: Port O Minot Airport el 1723′	NE—2,800 (S leg Rivers)...	None	SE	10 mi —2 000′E side SE leg.	2,400	301	3.3	R	500	1 5	500	1 5	Climb to 3,500′ on NW leg within 25 mi 1850′ twr 2 mi S arpt
	SE—2,900′ (N leg Bismarck)			15 mi —2 900′ E Side SE leg				S	500	1 0	500	1 0	
	SW—Min. enroute alt.			20 mi —2 900 E side SE leg				A	1 000	3 0	1 000	3 0	
	NW—Min enroute alt			25 mi —2 900′ E side SE leg				T	300	1 0	300	1.0	
Missoula, Mont : Missoula Co Airport el 3 200′	N—Min. en route alt.....	On NW leg within 10 mi		10 mi —8 000′ N side NW leg	6, 200	120°	1.5	R	3 000	2.0	3 000	2.0	Turn right, climb to 9,000 on NW leg shuttling within 10 mi. 6,000′ terrain 4 mi S of W leg 10 mi out.
	SE—9,000′ (Drummond range)			15 mi —8 300′ N side NW leg				S	3 000	2.0	3 000	2.0	
	S—Min. enroute alt.			20 mi —9 000′ N side NW leg				A	3 000	2.0	3 000	2.0	
	NW—9 000′ (Superior range).			25 mi —9 000′ N side NW leg				T	2, 500	2.0	2, 500	2.0	
	NW—6,200′ (Alberton FM, final).												
Hale Field, el. 3,186	(Make let down to Missoula County Airport. Fly contact from Missoula County Airport to Hale Field)												
Mitchel (Hempstead) N Y: Mitchel Field el 85′	NE—2,000′ (SE leg Hartford)	None	E	10 mi —1 500′ S side E leg	700′	301°	3 2	R	600	1 5	600	1 5	Climb to 2,000′ on NE leg
	E—Min. enroute Alt.			15 mi —1 500′ S side E leg				S	600	1 0	600	1 5	
	SW—1,500′ (SE leg Newark)			20 mi —1 500′ S side E leg				A	1 000	3.0	1 000	3 0	
	W—Min enroute alt			25 mi —1 500′ S side E leg				T	300	1 0	300	1.0	
Mobile, Alabama: Bates Field el 218′ -	NE—1,400′ (NW leg Pensacola)	None	NE	10 mi —1 300 N side NE leg	1 200 ′	271°	7 5	R	1 000	1 0	1 000	2.0	Climb to 1 400′ on SW leg
	SE—1,300′ (SE leg Pensacola)			15 mi —1 300 N side NE leg				S	1 000	1 0	1 000	3 0	
	SW—1,400′ (Keesler range).			20 mi —1 300 N side NE leg				A	1 000	3 0	1 000	3 0	
	NW—1,400′ (NE leg Keesler).			25 mi —1 300′ N side NE leg.				T	300	1 0	300	1 0	
Brookley Field el 26	NE—1,400′ (NW leg Pensacola)	None	NW	10 mi.—1 400 W side NW leg	900′	138°	3 2	R	500	1.5	500	1 5	Climb to 1,300′ on SE leg
	SE—1,300′ (SW leg Pensacola)			15 mi —1 400′ W side NW leg				S	500	1 0	500	1 5	
	SW—1,400′ (Keesler range).			20 mi —1 500′ W side NW leg				A	1 000	3 0	1 000	3 0	
	NW—1,400 (NE leg Keesler)			25 mi —1 500′ W side NW leg				T	300	1.0	300	1.0	
Moffett Field: (Mountain View) Calif	Moffett NAS No procedure approved												
Moline Ill : Moline Airport el 590′	N—3 000′ (SE leg La Crosse)	None	W (low pow ered rng)	10 mi.—2,000′ S side W leg of low powered rng	1 400′	86	2.3	R	500	1 5	500	2.0	Climb to 2,000′ on E leg of low powered range which operates on request
	E—2,000′ (SW leg Rockford)			15 mi.—2,000′ S side W leg of low powered rng				S	500	1 0	500	2.0	
	S—3,000′ (NE leg Burlington)			20 mi —2,000′ S side W leg of low powered rng				A	1 000	3 0	1 000	3 0	
	W—2,000′ (N leg Burlington)			25 mi.—2,000′ S side W leg of low powered rng				T	300	1 0	300	1.0	
	(After crossing Moline cone turn to S leg of range to intersect W leg of low powered range. Turn W along W leg of low powered range for start of let-down)												
Monroe La : Selman Field el 79′	NE—Min. enroute alt.	None	SW	10 mi —1 200′ E side SW leg	700′	25	2.8	R	500	1 5	500	1 5	Climb to 1,400′ on NE leg within 25 mi
	E—1,400′ (Jackson range)			15 mi —1 200′ E side SW leg				S	500	1 0	500	1.5	
	SW—Min enroute alt			20 mi —1 200′ E side SW leg				A	1 000	3 0	1 000	3.0	
	W—1,400′ (Shreveport range)			25 mi —1 200′ E side SW leg.				T	300	1 0	300	1 0	
Montpelier, Vt.: Barre-Montpelier Airport el 1 149′	NE—Min enroute alt	None -	NE	10 mi —3 600′ N side NE leg	3 000′	230	2.8	R	1 400	2.0	1 400	3 0	Climb to 4,000′ on SW leg within 10 mi
	SE—Min. enroute alt.			15 mi —3 800′ N side NE leg.				S	1 400	2.0	1 400	3.0	
	SW—Min. enroute alt.			20 mi —3 800′ N side NE leg				A	1 500	3 0	1 500	3 0	
	SW—4,000′ (SE leg Burlington)			25 mi —3 800′ N side NE leg				T	1 400	2.0	1 400	3 0	
	NW—5,400′ (N leg Burlington)												
Morgantown, W Va.: Morgantown Airport el 1 254′	NE—3,800′ (SE leg Pittsburgh) -	None	NW	10 mi —2 600′ W side NW leg -	2, 100′	173°	5.6	R	800	2.0	800	2.0	If contact not estab. over range, climb to 3,300′ on SW leg within 25 mi. 2,295′ terrain 4 mi SE of arpt
	SE—5,500′ (W leg Front Royal)			15 mi.—2,600′ W side NW leg.				S					
	SW—Min. enroute alt.).			20 mi.—2,600′ W side NW leg				A	1 000	3 0	1 000	3 0	
	SW—3,300′ (N leg Elkins).			25 mi.—2 600′ W side NW leg				T	400	1.0	400	1.0	
	NW—2,600′ (W leg Pittsburgh)												
Mt. Shasta, Calif....	No associated airport												
Mullan Pass, Mont....	No associated airport												
Muroc, Calif : Muroc AAF el. 2 235′	N—Min. enroute alt..... --	None --	S	10 mi.—3 500′ W side S leg	3 000′	64°	2.2	R	700	2.0	700	2.0	Climb to 5,000′ on E leg within 25 mi. High terrain 27 mi S
	E—5,000′ (NE leg Palmdale)			15 mi —3 600′ W side S leg				S	700	1 0	700	2.0	
	S—3,500′ (NE leg Palmdale).			20 mi —3 500′ W side S leg.				A	1 000	3 0	1 000	3 0	
	W—5 000′ (NW leg Palmdale)			25 mi —5 000′ W side S leg				T	300	1 0	300	1.0	
Muscle Shoals, Ala.: Muscle Shoals Airport el 545	N—Min. enroute alt.....	None ..	SE	10 mi.—1 800′ N side SE leg --	1 300′	232°	4.6	R	500	1 5	500	1.5	Climb to 2 000′ on W leg.
	SE—2,500′ (N leg Birmingham)			15 mi.—1,800′ N side SE leg				S	500	1 0	500	1.5	
	S—Min. enroute alt.			20 mi.—1,800′ N side SE leg.				A	1 000	3 0	1 000	3.0	
	W—2,000′ (S leg Jacks Creek)			25 mi.—1 800′ N side SE leg.				T	300	1.0	300	1.0	
Courtland Airport, el 538′....	(Make let-down to Muscle Shoals Airport. Fly contact from Muscle Shoals Airport to Courtland Airport.)												
Muskegon, Mich : Muskegon Co Airport el. 627′	NE—Min. enroute alt.....	None..... --	SE	10 mi.—1 800′ N side SE leg --	1 300′	317°	2.8	R	500	1.5	500	1.5	Climb to 1,800′ on NW leg within 25 mi.
	E—1 900′ (Grand Rapids Range)			15 mi.—1,800′ N side SE leg.				S	500	1.0	500	1 5	
	SE—Min. enroute alt.			20 mi.—1 800′ N side SE leg.				A	1 000	3.0	1 000	3.0	
	SW—Min. enroute alt			25 mi.—1,800′ N side SE leg.				T	300	1.0	300	1.0	
	W—1 900′ (Milwaukee Range)												
	NW—Min. enroute alt												

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
						Mag bear	Dist. (mi)		Day		Night		
									Ceil ft	Vis mi	Ceil ft	Vis mi	
Myrtle Beach S C.: Myrtle Beach AAF, el 21'	N—Min enroute alt S—Min. enroute alt. W—1,600' (N leg Charleston) N—1,600' (SE leg Florence).	None	SW	10 mi —1 200' N side SW leg 15 mi —1,200 N side SW leg 20 mi —1 200 N side SW leg 25 mi —1 200' N side SW leg	600'	63°	4 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,500 on NE leg
Nashville Tenn: Berry Field, el 606'	NE—2 600' (NW leg Smithville).. NE—1,200' (Mt. Juliet FM, final) SE—3 500' (S leg Smithville) SE—2,500' (Walterhill FM). SW—2,600' (Jacks Creek range) NW—2,000 (S leg Evansville)	None	NE	10 mi —2 000' N side NE leg 15 mi —2 500' N side NE leg 20 mi —3 000' N side NE leg 25 mi —3 000 N side NE leg	1 200'	240°	2.0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 600 on SW leg
Navasota, Tex: CAA Field, el 331'	NE—Min enroute alt..... SE—1,400' (N leg Richmond). SW—1,500' (W leg Richmond) NW—1,600' (Waco range)	None	NW	10 mi —1,600 W side NW leg 15 mi —1,600' W side NW leg 20 mi —1,600' W side NW leg 25 mi —1 600' W side NW leg	1 100	180	1 4						Climb to 1,400' on SE leg
Neah Bay, Wash	No associated airport												
Needles, Calif.....	No associated airport.												
Newark, N J: Newark Airport, el 18'	NE—2,600' (NW leg La Guardia) SE—2,600' (SW leg La Guardia) SW—1,400 (E leg Allentown). SW—600' (Metuchen FM, final).* SW—600' (Elizabeth LFM, final) W—3 600' (NE leg Allentown)	None --	SW	10 mi —1,400' S side SW leg 15 mi —1,600' S side SW leg 20 mi —1,600' S side SW leg 25 mi —1 600 S side SW leg	600'	53°	1 0	R S A T	500 [illegible] 1,000 300	1 5 [illegible] 3 0 1 0	500 [illegible] 1,000 300	1 5 [illegible] 3 0 1 0	Turn left and climb to 3,000 on W leg *Descent to cross range at 600' may be started after passing Elizabeth LFM. If LFM not received, final approach altitude over range is 600'
New Castle, (Wilmington), Del: New Castle Co Airport, el 70'	N—2,000' (W leg Philadelphia) E—2,000' (S leg Philadelphia) S—Min. enroute alt. W—2,000' (W leg Philadelphia)	None	S	10 mi.—1 000' E side S leg 15 mi.—1,000 E side S leg 20 mi —1 000' E side S leg 25 mi —2,000 E side S leg	1,000'	16°	2.8	R S A T	500 500 1,000 300	1 5 1 0 3 0 1.0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2,000' on E leg
New Haekensack, N Y....	No associated airport.												
Newhall, Calif: CAA Int. Field el. 1,100.	No procedure approved												
New Orleans, La.: Moisant International Airport el. 3' ILS Page 178.	NE—1,400' (Kessler Range)..... NE—800' (New Orleans FM) (Final) S—Min. en route alt. W—1 000' (Lake Charles Range) W—1,000 (LaPlace FM). N—1,000' (Jackson Range). N—1,400' (Madisonville FM).	None	NE	10 mi.—1,400' N side NE leg. -- 15 mi.—1 400' N side NE leg. 20 mi.—1,400' N side NE leg. 25 mi.—1 400' N side NE leg	800'	271°	3.2	R S A T	500 500 1,000 300	1 5 1 5 3.0 1.0	500 500 1 000 300	1 5 1 0 3.0 1.0	Climb to 1,000' on W leg.
New Orleans Airport, el. 5'.	(Make let-down to Moisant International Airport Fly Contact from Moisant International Airport to New Orleans Airport.)												
New Orleans NAS, el. 7' ---	(Make let-down to Moisant International Airport. Fly contact from Moisant International Airport to New Orleans NAS.)												
New York, N. Y.: La Guardia Field, el 10: Procedure No 1. -- --	NE—2 000' (Hartford Range). NE—1,000' (Fort Chester FM) (Final) NE—[illegible] (New Rochelle FMH) (Final) E—1,000' (NE leg Mitchel). SW—2,000' (SE leg Newark). NW—2,000 (NE leg Allentown)	None	NE	10 mi —1,000' N side NE leg --- --- 15 mi.—1,000 N side NE leg 20 mi.—2,000' N side NE leg. 25 mi —2,000' N side NE leg	1,000'	222°	3.2	R S A T	500 500 1,000 300	1 5 1 0 3.0 1.0	500 500 1,000 300	1.5 1 0 3.0 1 0	Climb to 2,000' on SW leg. Descent to cross range at 600' may be started only if New Rochelle FMH is received
Procedure No 2. --- -	NE—2 000' (Hartford Range) -- E—1,000 (NE leg Mitchel). SW—2 000' (SE leg Newark) SW—1 000' (SE leg Newark) (Final) SW—1,000' (Flatbush FM) (Final) NW—2,000 (NE leg Allentown).	None.....	SW	*10 mi —1,000' S side SW leg ---- 15 mi —1,000' S side SW leg 20 mi —1,000 S side SW leg 25 mi —1,000' S side SW leg	1,200' Over ILS outer marker	42° From ILS outer marker.	4.5						Climb 2,000' on NE leg. *Procedure turn dist. are from ILS outer marker (Int Empire State Bldg. 1,500 —4 mi NW of outer marker
Flushing Airport, el. 4. --- ---	(Make let-down to La Guardia Field Fly contact from La Guardia Field to Flushing Airport.)												
New York (Floyd Bennett), N. Y.: Floyd Bennett NAS, el 17': Procedure No 1	NE—2,000' (W leg Mitchel). SE—1,000' (NW leg Mitchel). SW—1,000 (E leg Philadelphia) NW—2,000 (Newark Range). NW—800' (Newark Range) (Final)	None..	NW	10 mi —2 000 S side NW leg -- 15 mi —2 000 S side NW leg 20 mi —2,000 S side NW leg 25 mi —2,000 S side NW leg	800'	122°	1 0°	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 1,000 on SW leg
Procedure No 2	NE—2,000 (W leg Mitchel). SE—1,000' (SW leg Mitchel). SW—1,000 (E leg Philadelphia) NW—2,000' (Newark Range)	None...	SE	10 mi —1 200' N side SE leg 15 mi —1 200 N side SE leg 20 mi —1,200' N side SE leg 25 mi —1 200 N side SE leg	600' over Rockaway LFM.	302° From Rockaway LFM.	2.2						Turn left and climb to 1,500' on SW leg
Norfolk, Va.: Norfolk Mun Airport, el 22' (NW Range)	NE—1,300' (E leg Langley) SE—Min. en route alt. SW—Min. en route alt SW—600' (Deep Creek FM) (Final) NW—1,300' (W leg Langley)	None --	SW	10 mi —1,300 S side SW leg 15 mi —1 300 S side SW leg 20 mi —1,300' S side SW leg 25 mi —1,300' S side SW leg	600	44°	3 3	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,300' on NE leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear.	Dist. (mi)		Ceil ft	Vis mi.	Ceil ft.	Vis mi	
Norfolk, Va —Continued													
Norfolk NAS (East) el 15 (NGU Range)	N—1,300′ (E leg Langley) E—Min en route alt S—Min. en route alt. W-1,300′ (SE leg Richmond).	None..	E	10 mi —1 300′ S side E leg 15 mi —1 300′ S side E leg 20 mi —1 300 S side E leg 25 mi.—1,300 S side E leg.	750′	276°	2.9	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 300′ on W leg.
Norfolk NAS (Chambers Field), el. 13′.	(Make let-down to Norfolk NAS	Fly contact from Norfolk NAS to Norfolk NAS (Chambers Field)											
Willoughby Bay Seaplane Base, el S. L.	(Make let-down to Norfolk NAS	Fly contact from Norfolk NAS to Willoughby Bay Seaplane Base)											
North Platte Nebr : North Platte Airport el 2 779′	N—Min. en route alt.... ..... E—4,100′ (Grand Island Range) S—4,100′ (E leg Hayes Center) W—Min en route alt	None	S	10 mi —4 100 W side S leg 15 mi —4 100 W side S leg 20 mi.—4,100 W side S leg 25 mi —4 100 W side S leg.	3,600′	352	2.2	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1 000 300	1 5 1 0 3.0 1 0	Climb to 4,500 on N leg within 25 mi.
Oakland, Calif.:													
Oakland Mun Airport el 5′	NE—5 000 (Sacramento Range) NE—3,000 (Bay Point FM) SE—6 000′ (NE leg Salinas) SE—3,500′ (Evergreen FM) SE—600′ (Newark FM). SW—3,000′ (San Francisco Range). NW—3 000 (SW leg Fairfld-Suisun)	To 1,500′ on SE leg within 15 mi. Turns on W side.	SE	10 mi —1,500′ W side SE leg.... 15 mi —1,500′ W side SE leg 20 mi —3 500 W side SE leg 25 mi —3,500 W side SE leg	600	199°	0 2	R S A T	600 1 000 300	1 5 3 0 1.0	600 1 000 300	1 5 3.0 1 0	If contact not over range climb to 3 600 on NW leg within 25 mi. High terrain 3,849′ MSL, 5 mi SE of NE leg, 17 mi out and 2,187′ MSL 7 mi NE of SE leg 18 mi out 170′ twr 0.5 mi NE of SE leg 3 mi out
Alameda NAS, el 15	(Make let-down to Oakland Airport	Fly contact from Oakland Airport to Alameda NAS.)											
Hayward Airport, el. 25′	(Make let-down to Oakland Airport	Fly contact from Oakland Airport to Hayward Airport)											
Ogden, Utah, Hinckley Fld	No procedure approved												
Oklahoma City, Okla :													
Will Rogers Field el 1,283 : Procedure No 1 ILS Page 178	N—3 000 (NW leg Tulsa) E—2,700′ (SW leg Tulsa). S—2,500′ (N leg Ft. Worth) W—3 000′ (SE leg Gage). W—2,000 (Mustang FM) (Final)	None	W	10 mi —2 500 S side W leg 15 mi —2 500′ S side W leg 20 mi —2 500′ S side W leg 25 mi —2 500 S side W leg.	2 000′	78°	1 6	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 2 700′ on E leg
Procedure No 2	N—3,000′ (NW leg Tulsa) E—2 700 (SW leg Tulsa). E—2,200 (Nowalla FM) (Final) S—2,500′ (N leg Ft. Worth) W—3,000′ (SE leg Gage).	None	E	10 mi —2 700 N side E leg .. 15 mi —2 700 N side E leg. 20 mi.—2 700 N side E leg. 25 mi —2 700′ N side E leg	2,200 over Okla City LFM	258° from Okla City LFM	3 2						Climb to 3 000′ on W leg.
Bethany Airport, el. 1,400	Make let-down to Will Rogers Field.	Fly contact from Will Rogers Field to Bethany Airport.)											
Garthoeffner Co Club, el. 1,250′	(Make let-down to Will Rogers Field	Fly contact from Will Rogers Field to Garthoeffner Co; Club)											
Nuckols Airport el 1 265′	(Make let-down to Will Rogers Field	Fly contact from Will Rogers Field to Nuckols Airport)											
Olathe, Kans.:													
Olathe NAS el 1 085	N—2 500 (SW leg Kansas City) E—2,500′ (SE leg Kansas City) S—Min. en route alt. W—2,500′ (SW leg Kansas City)	None	S	10 mi —2 300′ E side S leg 15 mi —2 300′ E side S leg 20 mi.—2 300 E side S leg 25 mi.—2 300 E side S leg	2 000	352°	2 9	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 500′ on E leg
Gardner Airport, el 1,070′	(Make let-down to Olathe NAS	Fly contact from Olathe NAS to Gardner Airport).											
Omaha, Nebr : Omaha Mun. Air port el 932′ ILS page 178	E—2,500′ (Des Moines Range) SE—2,500′ (E leg Lincoln) W—2,700′ (N leg Lincoln). N—2 500′ (Sioux City Range). N—1 800 (Ft Calhoun FM) (Final)	None ..	N	10 mi —2 500′ W side N leg. 15 mi —2 500 W side N leg 20 mi —2 500 W side N leg 25 mi —2 500 W side N leg	1 800′	146	0.8	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	2.0 3 0 1 0	Climb to 2,500′ on SE leg Ctn: 1,720′ twr on W leg 4 5 mi out.
Orlando, Fla :													
Orlando Airport (AAB) el 115′	NE—1,500 (N leg Melbourne) SE—1,500′ (N leg Melbourne) SW—Min. en route alt. NW—Min. en route alt.	None	NE	10 mi —1 200 N side NE leg 15 mi.—1 200 N side NE leg 20 mi.—1 200′ N side NE leg 25 mi.—1,200′ N side NE leg.	700	220°	3.4	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 1,500′ on SW leg within 25 mi.
Cannon Mills Airport, el 105	(Make let-down to Orlando Airport (AAB)	Fly contact from Orlando Airport (AAB) to Cannon Mills Airport)											
Hoequist Airport, El. 90′	(Make let-down to Orlando Airport (AAB)	Fly contact from Orlando Airport (AAB) to Hoequist Airport											
Pinecastle AAF El. 95′.	(Make let-down to Orlando Airport (AAB).	Fly contact from Orlando Airport (AAB) to Pinecastle AAF.)											
Otto, N M : CAA Int Field el 6 226′	N—Min. enroute alt ..... . N—10,000′ (Santa Fe MH Fac) S—Min. enroute alt. E—9,000′ (SW leg Las Vegas). W—11 000′ (Albuquerque Range)	None	S	10 mi—8,000 E side S leg.. 15 mi —8 000′ E side S leg 20 mi.—8 000′ E side S leg 25 mi —8 000′ E side S leg	7 200′	74	0.2	R S A T	1 000 1 000 500	1 0 3 0 1 0	1 000 1 000 500	2.0 3.0 2.0	Climb to 9 000′ on E leg
Palacios Tex.: Palacios Airport; el 13′	NE—1,200′ (SW leg Richmond) SE—Min. enroute alt. SW—1,400′ (Corpus Christi Range) NW—Min. enroute alt.	None . .	NW	10 mi —1 200′ W side NW leg.... 15 mi —1 200′ W side NW leg 20 mi —1 200′ W side NW leg 25 mi.—1 200′ W side NW leg	800′	118	1 6	R S A T	500 1 000 300	1 5 3 0 1.0	500 1 000 300	1 5 3 0 1.0	Climb 1 200′ on SE leg
Palmdale Calif.: Palmdale Air port el 2,549′	NE—5,000′ (E leg Muroc)..... SE—12,000′ (NW leg Riverside) SW—9,000′ (Newhall Range) NW—7,000′ (W leg Muroc)	To 5 000′ on NE leg within 25 mi.	NE	10 mi.—4 000′ N side NE leg 15 mi.—5 000′ N side NE leg 20 mi.—5 000′ N side NE leg 25 mi.—5 000′ N side NE leg	3 500′	216°	2.5	R S A T	1 000 1 000 500	2.0 3 0 1 0	1 000 1 000 500	2.0 3.0 2.0	Immediately make 180° right turn and climb to 5,000′ on NE leg. High terrain 5 mi SW of airpot

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Patterson, Ohio:													
Patterson Field, el 810'	NE—2,500' (W leg Columbus) E—2,500' (S leg Columbus). S—2,500' (Cincinnati Range) W—2,500' (S leg Dayton).	None	S	10 mi —2 500' E side S leg 15 mi —2 500' E side S leg 20 mi —2 500' E side S leg 25 mi —2,500' E side S leg.	2 000'	32°	2 9	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2,500' on NE leg between Patterson Range and intersection with W leg of Columbus
Wright Field, el 800'	NE—2,200' (W leg Columbus) E—2,200' (NE leg Cincinnati) S—2,600' (NE leg Cincinnati) W—Min. enroute alt.	None	E	10 mi —2 200' N side E leg 15 mi —2 200' N side E leg 20 mi —2 200' N side E leg 25 mi —2 200' N side E leg.	1 700'	280	0 8						Make left turn and climb to 2 200' on E leg
Patuxent River, Md: Patuxent River NAS el 38'	NE—1,500' (SE leg Washington) SE—1,500' (W leg Chincoteague) SW—Min. enroute alt. NW—1,500' (SE leg Washington)	None	SW	10 mi —1 500' S side SW leg 15 mi —1 500' S side SW leg 20 mi —1 500' S side SW leg 25 mi —1 500' S side SW leg	1 000'	57°	4 4	R S A T	500 500 1,000 300	1 5 1 5 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1 500' on NE leg
Pembina, N. Dak: CAA Int Field, el 702'	N—1,000' (Winnipeg Range) E—Min. enroute alt. S—1,000' (Grand Forks Range) W—Min enroute alt	None	S	10 mi —1 000' E side S leg 15 mi —1,000' E side S leg 20 mi —1 000' E side S leg 25 mi —1 000' E side S leg.	1,400'	350°	1 6	R S A T	600 600 1,000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 0 3 0 1 0	Climb to 1 000' on N leg
Pendleton, Oreg: Pendleton Airport, el 1,492'	E—Min. enroute alt. E—2,500' (S leg Walla Walla) (Final) SE—10,000' (Baker Range). SE—9 000' (LaGrande FM). SE—4,000' (Cabbage Hill) (Final) W—4,000' (The Dalles Range) NW—3,200' (E leg Yakima)	None	E	10 mi.—3 000' N side E leg 15 mi —3 000 N side E leg 20 mi —3 000' N side E leg 25 mi.—3 000' N side E leg	2,500'	217°	2.3	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 0 3 0 1 0	Climb to 4 000' on W leg
Pensacola, Fla:													
Pensacola Municipal Airport, el. 121	NE—1,100' (Crestview Range) S—Min. enroute alt. SW—1,100' (SE leg Mobile). N—1,100' (W leg Crestview).	None	S	10 mi —1,100' E side S leg 15 mi —1,100' E side S leg 20 mi —1 100' E side S leg 25 mi.—1,100' E side S leg.	700'	340°	2.1	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 1,100' on N leg
Saufley NAAS el. 85	(Make let-down to Pensacola Mun Airport	Fly contact from Pensacola Mun. Airport to Saufley NAAS.)											
Corry Field, el 23'	NE—1,100' (Crestview Range) S—Min. enroute alt. SW—1,100' (SE leg Mobile). N—1,100' (W leg Crestview).	None	NE	10 mi.—1,100' N side NE leg 15 mi —1 100' N side NE leg 20 mi.—1,100' N side NE leg 25 mi.—1 100' N side NE leg	800'	244°	0.4						Climb to 1,100 on SW leg Maintain 800' for 4 5 mi. past range—final.
Peoria, Ill: Peoria Airport, el 659'	N—2,000 (NE leg Burlington) E—2,000' (SW leg Joliet). S—1,000' (Springfield Range) W—2,000' (S leg Moline).	None	N	10 mi —2 000 W side N leg 15 mi —2 000' W side N leg 20 mi.—2,000 W side N leg 25 mi —2 000 W side N leg.	1 500	175°	2.2	R S A T			NA NA NA NA		Climb to 1 000' on S leg
Philadelphia, Pa.: Philadelphia NE Airport, el 100' (NF Range)	NE—1,000' (E leg Allentown) NE—2,000' (NE leg Philadelphia) (PG) SW—1,000' (N leg Philadelphia) (PG) NW—2 000 (N leg Philadelphia) (PG)	None	NE	10 mi —1 000 E side NE leg 15 mi —1 000' E side NE leg 20 mi —1 000' E side NE leg 25 mi.—1 000' E side NE leg	800	225°	2.0	R S A T	500 500 1 000 300	1.5 1 0 3 0 1 0	500 500 1 000 300	1 5 1.5 3.0 1 0	Climb to 2 000' on SW leg
Philadelphia Pa: Philadelphia SW Airport, el 10' (PG Range)	N—2,000 (Allentown Range) E—1,000' (SE leg Philadelphia) (NF) S—1,000' (E leg New Castle). S—800 (Beethwyn FM) (Final) W—1,000' (NE leg Washington)	None	W	10 mi —1 000' N side W leg 15 mi —1,000' S side W leg 20 mi —1 000' S side W leg 25 mi —1 000 S side W leg	800	97°	3 0	R S A T	500 500 1,000 300	1 5 1 0 3.0 1 0	500 500 1,000 300	1 5 1 5 3 0 1.0	Climb to 1,000 on E leg
Phillipsburg, Pa: Black Moshannon Airport, el 1,900'	E—3,000' (S leg Williamsport) S—4,000' (E leg Altoona) W—Min. enroute alt. W—3,000' (Brookville MHW Fac) NW—Min enroute alt	None	NW	10 mi —3 000' W side NW leg 15 mi —3 000' W side NW leg 20 mi —3 000' W side NW leg 25 mi —3 000' W side NW leg	3,000'	105°	5.0	R S A T	600 1 000 300	2.0 3.0 1 0	NA NA NA		Climb to 4,000' on S leg within 25 mi. Twr 2,000' MSL 3 5 mi ENE of Airport
Phoenix, Ariz.: Sky Harbor Airport, el 1,115'	N—10,000' (Prescott Range) E—Min. enroute alt. E—2,100' (Mesa FM) (Final) S—6,000' (E leg Gila Bend). W—5 200' (N leg Gila Bend) W—2,000 (Perryville FM).	To 3,000' on W leg within 25 mi	E	10 mi —2 000 S side E leg 15 mi.—2 000' S side E leg 20 mi.—4,100' S side E leg 25 mi —4 100' S side E leg	2,100'	201°	1 9	R S A T	600 600 1,000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 5 3.0 1 0	Climb to 5,000' on W leg. Clr 2,000' hills 5 mi S of Airport
Thunderbird Airport, No 1, el. 1,244'	(Make let-down to sky harbor airport	Fly contact from Sky Harbor Airport to Thunderbird Airport)											
Pierre, S D: Pierre Airport el 1 742'	N—3 000' (Bismarck Range) E—3,000' (SW leg Huron) S—Min. enroute alt. W—5 000' (Rapid City Range)	None	E	10 mi —2 000' N side E leg 15 mi —2 000' N side E leg 20 mi —2,000 N side E leg. 25 mi —2 000' N side E leg	2 400'	240°	3 5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 1 0	Climb to 4,000' on W leg within 25 mi
Pittsburgh, Pa.: Allegheny Co Airport, el 1,251'	E—4 000' (N leg Altoona) E—2 500' (New Alexandria FM) SE—4 300' (S leg Altoona). SE—2,000' (Mt. Pleasant FM) W—3 000' (SE leg Cleveland) W—2,000' (Cecil FM) (Final). NW—3 000' (S leg Youngstown) NW—3 500' (Hookstown FM)	None	W	10 mi —2 500' S side W leg 15 mi —2 500' S side W leg 20 mi —2 500' S side W leg 25 mi —2 500' S side W leg	2 000'	85°	2.2	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 4 000' on E leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
						Mag bear	Dist. (mi)		Day		Night		
									Ceil ft	Vis mi	Ceil ft	Vis mi	
Pittsburgh, Pa.—Continued													
Pittsburgh-Bettis Airport el 1,250	E—1 000 (N leg Altoona).....	None	W	10 mi —2 500 S side W leg	2,000	85	4 5	R	1 000	1 0	1 000	2 0	Climb to 4 000 on E leg
	E—2 500′ (New Alexandria FM)			15 mi —2 500 S side W leg				S					
	S—E4 300′ (S leg Altoona).			20 mi —2 500 S side W leg				A	1 000	3 0	1 000	3 0	
	SE—2,500 (Mt Pleasant FM)			25 mi —2 500 S side W leg				T	1 000	1 0	1 000	2.0	
	W—3 000′ (SE leg Cleveland)												
	W—2,000 (Cecil FM) (Final).												
	NW—3 000′ (S leg Youngstown)												
	NW—2 500) Hookstown FM)												
Pocatello, Idaho:													
Pocatello Airport el 4 462′	N—7,000′ (Dubois Range)	On N leg	W	10 mi —5 700 N side W leg	5,200′	50°	2.5	R	600	1 5	600	2 0	Turn left and proceed out W leg climbing to 7 000′
	E—Min. enroute alt.			15 mi —5 700 N side W leg				S	600	1 0	600	2.0	
	S—10 000′ (Malad City Range)			20 mi —5 700 N side W leg.				A	1 000	3 0	1 000	3 0	
	W—7,000 (N leg Burley).			25 mi.—5,700 N side W leg				T	300	1 0	300	1 0	
Pocatello AAF el. 4 445	(Make let-down to Pocatello Airport Fly contact from Pocatello Airport to Pocatello AAF.)												
Popo (Ft Bragg), N C: Popo Field el 220′	NE—2,000′ (S leg Raleigh).	None	S	10 mi —1,500′ E side S leg	1 000′	355	2.3	R	500	1 5	500	1 5	Climb to 2,000′ on N leg
	S—2,000′ (NE leg Florence)			15 mi —1 500 E side S leg				S	500	1 0	500	1 5	
	SW—Min. enroute alt.			20 mi.—1,500 E side S leg				A	1 000	3 0	1 000	3 0	
	N—2,000′ (NW leg Raleigh).			25 mi —1,500 E side S leg.				T	300	1 0	300	1 0	
Portland Maine: Portland Airport el 20′	NE—2,000′ (Augusta Range)	None	NW	10 mi —1 500 W side NW leg.	1 000′	140	2.2	R	500	1 5	500	1 5	Climb to 2 000 on SE
	SE—Min. enroute alt.			15 mi —2 000′ W side NW leg				S	500	1 0	500	1 5	
	SW—2,000′ (Boston Range)			20 mi —2 000 W side NW leg				A	1 000	3 0	1 000	3 0	
	NW—Min. enroute alt.			25 mi —2 500′ W side NW leg				T	300	1 0	300	1 0	
Portland Oreg: Portland Airport el 19′	N—5,000′ (Toledo Range).	None	N	10 mi —2 000′ W side N leg	1 500′	168°	3 1	R	600	1 5	700	1 5	Climb to 3,000 on S leg Emergency alt 15 500
	N—1,500 (Woodland FM) (Final)			15 mi —2 000 W side N leg				S	600	1 0	600	1 0	
	E—6,000 (The Dalles Range)			20 mi —3 000 W side N leg				A	1 000	3 0	1,000	3 0	
	E—4,000 (Washougal FM)			25 mi —4 000 W side N leg				T	300	1 0	300	1 0	
	S-3,000′ (Eugene Range)												
	W—Min enroute alt.												
Prescott, Ariz: Love Airport el 5,042	No procedure approved												
Presque Isle, Maine:													
Presque Isle AAF, el. 529: Procedure No 1 (ZQ Range)	NE—2 700′ (SE leg Mt Jolt)	None	NE	10 mi —2 000′ N side E leg	1 500′	189°	3.4	R	600	1 5	600	1 5	Climb to 2 700′ on S leg
	NE—1,500′ (Limestone FM) (Final)			15 mi —2 000′ N side E leg				S	500	1 0	300	1 5	
	E—3,000′ (NW leg Blissville)			20 mi —2 000′ N side E leg				A	1 000	3 0	1 000	3.0	
	S—2,700′ (W leg Houlton)			25 mi —2 000 N side E leg				T	400	1 0	400	1 0	
	W—Min. enroute alt.												
Procedure No 2 (RU Range)	N—2,700′ (Presque Isle (ZQ) Range).	None	S	10 mi —2 700′ E side S leg	2,200′	9	3 6	R	600	1 5	600	1 5	Climb to 2,700′ on N leg
	E—3,000′ (E leg Presque Isle (ZQ) Range).			15 mi —3 700′ E side S leg				S	500	1 0	500	1 0	
				20 mi —2 700′ E side S leg				A	1 000	3 0	1 000	3 0	
	S—2,700′ (W leg Houlton)			25 mi —2,700′ E side S leg				T	400	1 0	400	1 0	
	W—Min. enroute alt.												
Providence R I: Greene Airport el 56′	N—1,600′ (SW leg Boston)	None	SW	10 mi —1 500′ W side SW leg	800	47	3 2	R	500	1 5	500	1 5	Climb to 1 600 on N leg
	E—Min. enroute alt.			15 mi —1 500′ W side SW leg				S	500	1 0	500	1 5	
	SW—Min enroute alt.			20 mi —1 500′ W side SW leg				A	1 000	3.0	1,000	3 0	
	W—1,700′ (SW leg Boston)			25 mi —1,500′ W side SW leg				T	300	1 0	300	1 0	
Pueblo, Colo:													
Pueblo Airport el 4033′ —	N—9 000′ (Colo. Springs Range)	None	S	10 mi —7 000′ E side S leg	5 600′	340°	2.0	R	500	1 5	500	2.0	Climb to 9 000′ on N leg
	E—7,000′ (La Junta Range)			15 mi —7 000′ E side S leg				S	500	1 0	500	2.0	
	S—8,000′ (Trinidad Range)			20 mi —7 000′ E side S leg				A	1 000	3 0	1,000	3 0	
	W—Min. enroute alt.			25 mi —7 000′ E side S leg				T	400	1 0	400	1 0	
Pueblo AAB el 4712′	N—9,000′ (Colo. Springs Range)	None	S	10 mi —7 000 E side S leg	7 000′	45	0.0						If contact not over range proceed out E leg at 7 000′
	E—7,000′ (La Junta Range)			15 mi —7 000′ E side S leg									
	S—8,000′ (Trinidad Range)			20 mi —7 000 E side S leg									
	W—Min enroute alt.			25 mi —7 000′ E side S leg.									
Pulaski Va: Loving Field el 2 200′	E—5,500′ (Roanoke Range)	None	E	10 mi —5 000′ N side E leg	3 700	247°	2.1	R	1 500	2.0	NA		Climb to 7 000′ on SW leg
	S—Min. enroute alt.			15 mi —5 000′ N side E leg				S					
	SW—7,000′ (Tri City Range)			20 mi —5 000′ N side E leg				A	2,000	2.0	NA		
	N—Min. enroute alt.			25 mi —5 000 N side E leg				T	1 000	2.0	NA		
Quantico Va...	No procedure approved												
Quonset Point, R. I: Quonset Point NAS el 14′	E—Min. enroute alt..	None	SE	10 mi.—1 500 E side SE leg	800	339	2.2	R	600	1 5	600	1 5	Climb to 1 500 on NW leg
	SE—Min. enroute alt.			15 mi.—1 500 E side SE leg				S	500	1 0	500	1 5	
	W—1,500′ (SW leg Providence).			20 mi.—1,500 E side SE leg				A	1 000	3 0	1,000	3 0	
	NW—1 500′ (Providence Range)			25 mi.—1 500′ E side SE leg				T	300	1 0	300	1 0	
Raleigh, N. C.:													
Raleigh-Durham Airport el 435′ ILS page 178	NE—1,600 (Richmond Range)	None	SE	10 mi.—1 800 N side SE leg	1 300	299	3 8	R	500	1 5	500	1 5	Climb to 2 000 on NW leg
	SE—1,800′ (NE leg Pope).			15 mi.—1 800 N side SE leg				S	500	1 0	500	1 5	
	S—1 500′ (NE leg Florence).			20 mi.—1 800 N side SE leg				A	1 000	3 0	1 000	3 0	
	NW—2,000 (NE leg Greensboro).			25 mi.—1,800 N side SE leg.				T	300	1 0	300	1 0	
Raleigh Airport, el. 364	(Make let-down to Raleigh-Durham Airport. Fly contact from Raleigh-Durham Airport to Raleigh Airport.)												
Randolph (San Antonio) Tex: Randolph Field el 760′	NE—2,000′ (S leg San Marcos) -- --	None --	SE	10 mi.—2 000′ E side SE leg	1 000	322°	2 0	R	500	1 5	500	1 5	Climb to 2,500′ on NW leg.
	SE—Min. enroute alt.			15 mi.—2 000 E side SE leg				S	500	1 0	500	1 5	
	SW—2,100′ (S leg Alamo)			20 mi.—2,000 E side SE leg				A	1 000	3 0	1 000	3 0	
	NW-2,000′ (N leg Alamo)			25 mi.—2,000 E side SE leg.				T	300	1 0	300	1.0	

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
						Mag bear	Dist. (mi)		Day		Night		
									Ceil ft	Vis mi	Ceil ft	Vis mi	
Rapid City, S. Dak: Rapid City AAB el 3281	N—Min. enroute alt..... E—5,000' (Pierre Range). S—6,000' (Scottsbluff Range) W—3,000' (SE leg Sheridan).	None	S	10 mi —6 000' E side S leg 15 mi —6 000 E side S leg 20 mi —6 000 E side S leg 25 mi —6,000 E side S leg	5 000	345°	5 5	R S A T	600 600 1 000 400	1 5 1 0 3 0 1 0	600 600 1,000 400	2 0 2 0 3 0 1 0	Climb to 6 000' on N leg with in 25 mi
Red Bluff Calif: Bidwell Field, el 351'	N—10,000' (Ft. Jones Range) N—6 000' (W leg Whitmore) N—3,000' (Redding FM) E—Min. enroute alt. S—2,000' (Williams Range) W—Min. enroute alt.	None	S	10 mi —2 000' E side S leg 15 mi —2 000 E side S leg 20 mi —2 000' E side S leg 25 mi —2 000 E side S leg	1 200	323°	2 5	R S A T	600 600 1,000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 5 3 0 1 0	Make 180° right turn and climb to 2,000' on S leg
Redmond Oreg: Roberts Airport, el 3075'	N—7,000' (The Dalles Range) SE—Min. enroute alt S—Min. enroute alt NW—Min enroute alt	On N leg to 7 000'	NW	10 mi —6 000 N side NW leg 15 mi —8 000 N side NW leg 20 mi —8 000 N side NW leg 25 mi —9 000' N side NW leg	4 000	101°	4 3	R S A T	700 700 1 000 300	1 5 1 0 3 0 1 0	NA NA NA NA		Make right turn and climb to 10,000' on S leg. Caution: 6400' terrain 5 mi S of NW leg 20 mi from range
Reno, Nev: Hubbard Field el 4401'..	N—Min. enroute alt..... N—9,500' (NW leg Fallon). NE—9,000' (NW leg Fallon) S—12,000' (SW leg Fallon). SW—12,000' (Donner Summit Range)	None	N	10 mi —8 500 E side N leg 15 mi —8 000' E side N leg 20 mi.—8 000 E side N leg 25 mi —8 500' E side N leg	7 000	101°	3 3	R S A T	2 500 - --- 2,500 1 000	3 0 - - 3 0 3 0	2 500 - --- 2 500 1 000	3 0 - - 3 0 3 0	Make immediate left turn and climb to 9 000 on N leg
Reno AAB, el. 5,018'..... ..	(Make let-down to Hubbard Field. Fly contact from Hubbard Field to Reno AAB.)												
Reno Sky Ranch Airport el 4,523'.	(Make let-down to Hubbard Field Fly contact from Hubbard Field to Reno Sky Ranch Airport.)												
Richmond: Tex..	No associated airport.												
Richmond, Va: Byrd Field, el 167'	N—1,500' (SW leg Washington) SE-1,500' (W leg Langley). SW-1,500 (SE leg Blackstone). SW—700' (Chester FM) (Final). NW—2 000 (NE leg Lynchburg)	None	SW	10 mi —1 500 E side SW leg 15 mi —1,500' E side SW leg 20 mi.—1,500 E side SW leg 25 mi —1 500 E side SW leg	700'	26°	1 9	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 500' on N leg
Riverside, Calif.: March Field, el 1533' ...	N—11,500 (W leg Barrett) .... N—4,100' (Pontana FM). E—12 000 (S leg Barrett) .. E—10,000 (Banning FM) S—Min. enroute alt. W—5,000' (Los Angeles Range).	None. ...	W	10 mi —4 000 S side W leg 15 mi —5 000' S side W leg 20 mi —5 000' S side W leg 25 mi.—5 000 S side W leg	4 000	123°	2.0	R S A T	1 500 - --- 1,500 1 000	2.0 - - 3 0 1 0	1,500 - --- 1 500 1 000	2.0 - - 3 0 2.0	Make right turn and climb to 5,000' on W leg. 11 425' obst 13 mi N of E leg
Arlington Airport, el. 705	(Make let-down to March Field Fly contact from March Field to Arlington Airport.)												
Roanoke, Va: Woolrum Field, el. 1 102'	N—Min. enroute alt..... S—5,000' (NE leg Greensboro). NE—5 000' (N leg Lynchburg) W—5,000' (SE leg Greensboro).	None ..	S	10 mi —4 500' E side S leg 15 mi —4 500 E side S leg 20 mi —4 500' E side S leg 25 mi —4 500 E side S leg	3 700'	345°	1 8	R S A T	2 000 - --- 2,000 1 000	2.0 - - 2.0 2.0	2,000 - --- 2 000 1 000	2.0 - - 2.0 2.0	Climb to 5 500' on N leg with in 25 mi.
Rochester, Minn: Rochester Airport el 1,046'	N—2 400' (SE leg Minneapolis) ... E—2,000' (NW leg La Crosse) S—2,000' (SW leg La Crosse) W—Min. enroute alt.	None ..	S	10 mi —2 000' E side S leg 15 mi —2 000 E side S leg 20 mi —2,000 E side S leg 25 mi.—2 000 E side S leg.	1,000	350°	2.6	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	2.0 1 5 3.0 1.5	Climb to 2,400 on N leg. 1,000 tank 4 mi. NW of range
Rochester, N. Y: Rochester Airport el 549'	N—2,000' (S leg Sterling) E—2,000 (S leg Sterling). S—3 000' (NW leg Elmira). W—2 000' (NE leg Buffalo)	None	E	10 mi —2 000 N side E leg 15 mi —2 000 N side E leg 20 mi —2 000' N side E leg 25 mi —2 000' N side E leg	1,500'	235°	2.2	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	2.0 2.0 3.0 1 0	Climb to 2,000 on W leg. 1,129 MSL twr 4 mi. S of E leg 11 mi from range
Rockford, Ill.: Machesney Airport, el 732'	NE—2,000' (W leg Milwaukee) .... E—2,000' (NW leg Chicago). SE—2,000' (Yorkville Intsn) SW—2,000' (E leg Moline). NW—2,000' (SW leg Madison)	None	SW	10 mi —2 000' S side SW leg 15 mi —2 000 S side SW leg 20 mi —2 000 S side SW leg 25 mi —2 000' S side SW leg	1 500	45°	1 7	R S A T	600 - --- 1,000 300	1 5 - - 3 0 1 0	600 - --- 1,000 300	1.5 - - 3 0 1 0	Climb to 2,000' on NE leg
Beloit-South Beloit Airport, el. 772'.	(Make let-down to Machesney Airport. Fly contact from Machesney Airport to Beloit South Beloit Airport.)												
Rock Springs, Wyo: Rock Springs Airport el 6 751'	N—Min. enroute alt..... E—10,000' (Sinclair Range). E—9,000' (Pt. of Rocks FM) (Final) S—Min. enroute alt. W—10,000' (Ft Bridger Range).	None	E	10 mi —9 000 N side E leg 15 mi —9 000 N side E leg 20 mi —9 000 N side E leg 25 mi —9 000 N side E leg	8 000'	240°	2.6	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2.0 2.0 3 0 1 0	Climb to 10 000' on W leg
Roswell, N Mex: Roswell AAF el 3 666'	No instrument let downs authorized												
Columbus, Mich: Wayne Co Airport, el 630'	E—2,300 (Windsor Range) SE—2 300' (E leg Toledo). SE—1,800' (SW leg Windsor) W—2 300' (SE leg Lansing) W—1,700' (Saline FM). N—2 400' (E leg Lansing) N—2,100' (Wixom FM).	None	W	10 mi —1,800 S side W leg 15 mi —1 900' S side W leg 20 mi —2 100' S side W leg 25 mi —2 100' S side W leg	1 400'	80°	2.6	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2 300' on right side of E leg
Willow Run Airport, el. 715'..	(Make let-down to Wayne Co Airport. Fly contact from Wayne Co. Airport to Willow Run Airport.)												
Roswell, N Mex: Roswell AAF el 3 666'	NE—Min. enroute alt SE—Min enroute alt. SW—Min. enroute alt. NW—Min enroute alt	None	SE	10 mi —5 000' N side SE leg 15 mi —5 000' N side SE leg 20 mi —5 000' N side SE leg 25 mi —5,000' N side SE leg	4 500'	255°	3 0	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 1 0	Turn left and climb to 6 000' on SE leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Sacramento, Calif:													
Sacramento Airport el 21′	NE—6 500′ (SW leg Donner Summit) NE—2,500′ (Auburn FM) SE—Min. en route alt. SW—5 000′ (Oakland Range) SW—1,100 (Bay Point FM). NW—2,000′ (Williams Range)	None	SW	10 mi —1 100′ E side SW leg 15 mi —1 100′ E side SW leg 20 mi —1 100 E side SW leg 25 mi —1 100′ E side SW leg	600′	22°	1 7	R S A T	600 500 1 000 300	1 5 1 0 3.0 1 0	600 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2,500′ on NE leg within 25 m
Mather Field, el 91′	(Make let down to Sacramento Airport Fly contact from Sacramento Airport to Mather Field)												
McClellan Field, el. 73′.	(Make let down to Sacramento Airport. Fly contact from Sacramento Airport to McClelland Field)												
St. Joseph Mo: Rosecrans Field el 821′	N—Min. en route alt. E—3,000′ (NE leg Kansas City) S—3,000′ (SW leg Kansas City) W—Min en route alt	None	S	10 mi —2 100′ W side S leg 15 mi —2 100′ W side S leg 20 mi —2 100′ W side S leg 25 mi —2 100′ W side S leg	1 600′	359	3 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 1 0	Climb to 3 000′ on N leg within 25 mi
St. Louis, Mo.: Lambert-St. Louis Airport el 552′ ILS Page 178	N—Min. en route alt N—1,600′ (Jerseyville FM). E—2 000′ (Effingham Range) E—1,300′ (Spanish Lake FM) (Final) S—2,000′ (SW leg Scott AAF) W—2 000′ (Columbia Range) W—1,600′ (St. Peters FM)	None	E	10 mi —1 600′ N side E leg 15 mi —1 600′ N side E leg 20 mi —1 600′ N side E leg 25 mi —1 600′ N side E leg	1 300	256°	2.2	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2 000′ on W leg
St. Paul Minn St Paul Airport	See Minneapolis, Minn.												
Salinas, Calif.	No instrument letdowns authorized												
Salt Flat, Tex.: CAA Int Field el 3 710′	N—Min. en route alt. E—10,000′ (Wink Range); S—Min. en route alt. W—8 000′ (El paso Range)	None	N	10 mi —5 000′ W side N leg 15 mi —5 000′ W side N leg. 20 mi —7 000′ W side N leg 25 mi —7 000′ W side N leg	4,500′	162	2.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 2 0	Climb to 8 000′ on W leg
Salt Lake City, Utah:													
Salt Lake City Airport No 1 el 4 222′	N—Straight-in 11,000′ (Malad City Range). E—14,500′ (S leg Ft. Bridger) N-10,000′ (Corrine FM) N-7 500′ (Ogden Range) N-5,250′ (Layton FM). S—13,000′ (E. leg Fairfield). W—11 000 (Wendover Range) W—11 000′ (Timple FM)	None	N	18 mi.—7,500′ W side N leg E & W approaches over Ogden landing at Salt Lake City, leave Ogden Range at 10,000′ and descend to 7,500′ at Layton FM and 5 250′ at Salt Lake City Range	5 250′	163°	2.0	R S A T	600 500 1 000 400	1 5 1 0 3 0 1 0	600 500 1 000 400	1 5 1 0 3 0 1 0	Immediately make right turn and climb to 11,000′ on W leg. High terrain 8 mi E of N and S legs and W side S leg also S of W leg 12 mi from range
Utah Central Airport el 4 240′	(Make let-down to Salt Lake City Airport No 1 Fly contact from Salt Lake City Airport No 1 to Utah Central Airport.)												
San Antonio, Tex.:													
San Antonio Mun. Alamo Airport (Alamo Range) el 80′ ILS Page 178	N—2 500′ (SW leg Austin) N—1 800′ (Spring Branch FM*) (Final) E—2,200′ (NE leg Randolph). S—2,200′ (SE leg San Antonio, Kelly) W—2,700′ (NW leg San Antonio Kelly). W—2,200′ (NE leg San Antonio Kelly)	None	N	10 mi —2 500′ W side N leg. 15 mi —2 500′ W side N leg 20 mi —2 500′ W side N leg 25 mi —2 500′ W side N leg	1 700′	174°	2.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 200′ on S leg *Maintain 2,500′ until 12 mi. S of Spring Branch Fan Marker.
Kelly Field (Kelly Range), el 675′	NE—2,500′ (S W leg Austin) SE—Min. en route alt. SW—Min. en route alt. NW—Min. en route alt	None	NW	10 mi —2 500′ W side NW leg 15 mi —2 500 W side NW leg. 20 mi —3 000′ W side NW leg 25 mi —3,000′ W side NW leg	1 400	107°	1 8	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2,000′ on SE leg within 25 mi
Brooks Field, el 594	(Make let-down to Kelly Field Fly contact from Kelly Field to Brooks Field)												
San Diego, Calif.:													
Lindbergh Field el 14′	E—9 000′ (El Centro Range) E—6 500′ (Mt. Laguna H Fac) E—2,600′ (La Mesa FM) SE—Min. enroute alt SE—2,600′ (Coronado FM) W—Min. enroute alt. N—4 000′ (SE leg long Beach). N—1,500 (Oceanside FM) (Final).	None	N	10 mi —1 800′ W side N leg. 15 mi —1 800 W side N leg 20 mi —1 800′ W side N leg 25 mi —1 800 W side N leg	1 500	130	2 3	R S A T	700 600 1 000 300	2.0 2.0 3 0 1 0	700 600 1000 300	2.0 2.0 3 0 1.0	Climb to 300′ on SE leg within 15 mi (Mexican Border). High terrain 9 mi E of N leg.
Ream NAAS, el. 23′	(Make let-down to Lindbergh Field Fly contact from Kelly Lindbergh Field to Ream NAAS)												
San Francisco, Calif:													
San Francisco Airport el 10′	NE—5 000′ (Sacramento Range) NE—3,000′ (SE leg Oakland) SE—6 000′ (W leg Fresno). SE—1,700′ (Evergreen FM). SE—*500′ (Belmont FM (Final) SW—Min. enroute alt. SW—3,000′ (Half Moon Bay FM) NW—Min. enroute alt. NW—3,000′ (SW leg Fairfield-Suisun).	None	SE	10 mi.—1 500′ E side SE leg 15 mi.—1 500′ E side SE leg 20 mi.—4 000 E side SE leg 25 mi.—4 000 E side SE leg.	800′*	291	3.6	R S A T	600 500 1 000 300	2.0 1 0 3.0 1.0	600 500 1 000 300	2.0 1 0 3 0 1.0	If contact not estab over range climb to 3 000′ on NW leg within 25 mi. *Descent to cross range stn at 500′ may be started after passing Belmont FM. If Belmont FM not received, final appch alt over range stn is 800′
Belmont Airport, el 5	(Make let-down to San Francisco Airport. Fly contact from San Francisco Airport to Belmont Airport)												
San Mateo Airport, el 6′	(Make let-down to San Francisco Airport; Fly contact from San Francisco Airport to San Mateo Airport)												
San Marcos, Tex.: San Marcos AAF el. 592′	N—3,000′ (SW leg Austin) E—3,000′ (SE leg Austin). S—3,000′ (NE leg Randolph) W—3 000′ (SW leg Austin)	None	N	10 mi.—2,000′ E side N leg 15 mi.—2,000′ E side N leg. 20 mi.—2,000′ E side N leg. 25 mi.—2,000′ E side N leg.	1 500′	170°	4.2	R S A T	500 500 1 000 300	1.5 1.0 3.0 1.0	500 500 1 000 300	1.5 1.5 3 0 1.0	Climb to 3,000′ on S leg. Ctn: high terrain W side N leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Santa Ana, Calif.....	No procedure approved												
Santa Barbara, Calif.....	No procedure approved												
Sault Ste. Marie Mich: Sault Ste Marie Airport, el 706'	N—Min. enroute alt. SE—Min. enroute alt S—Min. enroute alt NW—Min enroute alt	None	SE	10 mi.—1,000' E side SE leg 15 mi —1,000' E side SE leg 20 mi —1,000 E side SE leg. 25 mi —1 000' E side SE leg	1 400'	317°	2.2	R S A T	700 700 1 000 400	1 5 1 0 3 0 1 0	700 700 1,000 500	1 5 1 5 3 0 1.0	Climb to 2,500 on NW leg within 10 mi. 950' MSL twr S side SE leg, 7 mi out
Savannah, Ga.: Hunter Field el 40'	NE—1,300' (Charleston Range) SE—Min. enroute alt. SW—Min. enroute alt. SW—600' (Richmond Hill FM) (Final) NW—1,300' NE (leg Alma).	None	SW	10 mi.—1 100 S side SW leg 15 mi —1,100' S side SW leg 20 mi —1 100 S side SW leg. 25 mi —1 100 S side SW leg	600	51°	2.2	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 1,300 on NE leg
Chatham AAF, el 50	(Make let down to Hunter Field Fly contact from Hunter Field to Chatham AAF.)												
Scott (Belleville) Ill: Scott Field el 447'	NE—2,000' (NW leg Evansville) SE—Min. enroute alt. SW—2,000' (S leg St. Louis). NW—2,000' (NE leg St Louis)	None	SW	10 mi —1 800' S side SW leg 15 mi —2 000 S side SW leg 20 mi.—2,000' S side SW leg. 25 mi —2,000' S side SW leg	1 200'	49°	2.2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 0 3 0 1 0	Climb to 2 000' on NE leg
Scottsbluff, Nebr: Scottsbluff Airport el 3 945'	NE—Min. enroute alt.. ..... SE—6,000' (W leg North Platte) SW—7,000 (E leg Cheyenne) NW—Min enroute alt.	None.....	SE	10 mi —6,000' E side SE leg. -- 15 mi —6 000' E side SE leg -- 20 mi —6 000' E side SE leg 25 mi —6 000' E side SE leg	5,000'	301°	3.1	R S A T	500 500 1,000 300	1 5 1 0 3 0 1.0	500 500 1,000 300	2.0 2.0 3 0 1.0	Climb to 7,000' on NW leg within 25 mi.
Seattle, Wash.: Boeing Airport, el 15 ..	NE—3,000' (E leg Everett)... E—7 000' (Ellensburg Range) E—6 000' (Easton FM) E—4,000 (Hobart FM). S—5 000' (Toledo Range). S—1,000' (Lakeview FM). NW—1,000' (W leg Everett)	None --	S	10 mi —1,000' W side S leg... -- 15 mi —1,000 W side S leg 20 mi —1 000' W side S leg 25 mi —1 000' W side S leg.	1,200'	200°	2.8	R S A T	500 ..... 1,000 300	2.0 . -- 3 0 1.0	500 ..... 1 000 300	2.0 . -- 3.0 1.0	Climb to 1,500 on NW leg
Seattle Tacoma Arpt., el 405'	NE—3,000' (E leg Everett)... E—7 000' (Ellensburg Range) E—6 000' (Easton FM) E—4,000' (Hobart FM). S—5 000' (Toledo Range). S—1 000 (Lakeview FM) NW—Min. enroute alt. NW—1,000' (W leg Everett) (Final)	None -- --	NW	10 mi —1 000' W side NW leg 15 mi.—1 000' W side NW leg. 20 mi —1 000' W side NW leg 25 mi.—1,000' W side NW leg.	1 500	103°	4.0	--					Climb to 5 000 on S leg.
Selfridge (Mt. Clemens), Mich.....	No procedure approved												
Sheridan, Wyo: Sheridan Co Arpt el 3 [illegible]	NE—Min. enroute alt.... SE—7 000' (N leg Casper) SE—5 000 (Ucross FM). SE—5,000' (Sheridan LFM) (Final) SW—Min. enroute alt. NW—9,000' (Billings Range).	None ---	SE	10 mi —7 000' N side SE leg --- 15 mi —7 000' N side SE leg 20 mi.—7 000' N side SE leg 25 mi.—7 000 N side SE leg	5,500'	203°	1.0	R S A T	500 . - 1 000 400	2.0 . - 3 0 1 0	500 . ... 1 000 400	3 0 . .. 3 0 2.0	Climb to 9,000' on NW leg. If Sheridan LFM not rec'd alt. over range on final apprch is 5 000'
Shreveport, La: Shreveport Airport, el 170'	E—1,700' (NE leg Barksdale). S—1,700' (SW leg Barksdale) W—1,700' (NE leg Tyler). NW—1,700' (SW leg Texarkana)	None ---	NW	10 mi.—1,700' W side NW leg -- 15 mi —1,700 W side NW leg 20 mi —1 700 W side NW leg 25 mi —1 700 W side NW leg	500'	140°	1 8	R S A T	500 500 1 000 300	1 5 1 0 3.0 1 0	500 500 1 000 300	1 5 1 5 3.0 1 0	Climb to 1,000 on S leg.
Silver Lake, Calif: CAA Int. Field, el 900'	NE—10,000' (Las Vegas Range) SE—9,000' (E leg Daggett). SW—5,000 (Daggett Range) NW—Min. enroute alt	None ---	NW	10 mi —5 000' E side NW leg -- 15 mi —7 200' E side NW leg 20 mi —7,200' E side NW leg 25 mi —7,200 E side NW leg	4 000	132°	1 0		--			--	Climb to 8,000 on SE leg. High t main immediately W of NW leg
Sinclair, Wyo.: CAA Int Field, el 6 000'	N—Min. enroute alt.. ..... E—10,000' (NW leg Laramie) S—Min. enroute alt. W—10,000' (Rock Springs Range)	None	E	10 mi —9 000' N side E leg --- 15 mi —9,000' N side E leg. 20 mi —10 000' N side E leg 27 mi —10,000' N side E leg	8,100	60°	1 7	R S A T	1,500 1 500 1 500 500	3 0 3 0 3.0 1 0	1 500 1,500 1 500 500	3 0 3 0 3 0 2.0	If contact not estab. over range, climb to 10 000' on W leg
Sioux City Iowa: Sioux City Airport, el 1,007'	N—2,000' (Sioux Falls Range) E—Min. enroute alt. S—2,000' (Omaha Range). S—1,000' (Sioux FM) (Final) ..... W—Min. enroute alt.	None.. ..	S	10 mi —2 000' E side S leg --- 15 mi —2 000 E side S leg. 20 mi —2 000 E side S leg 25 mi —2 000' E side S leg	1 800	337°	1 0	R S A T	500 500 1,000 300	1 5 1 0 3.0 1 0	500 500 1,000 300	1 5 1 5 3.0 1 0	Climb to 2 000 on N leg
Sioux Falls, S Dak: Sioux Falls Airport, el 1,420'	NE—3,000' (Minneapolis Range) .. S—2,000' (Sioux City Range) SW—Min. enroute alt. NW—3,000' (Huron Range).	None ..	NW	10 mi —3 000 W side NW leg. 15 mi —3 000 W side NW leg 20 mi.—3 000 W side NW leg 25 mi —3,000' W side NW leg	2,300'	93°	2.2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 3 000 on NE leg
Smithville, Tenn: CAA Int Field, el 1073'	N—2500' (NE leg Nashville)..... .. E—4100' (NE leg Chattanooga and W leg Knoxville). S—4000' (NW leg Chattanooga) NW—3000' (NE leg Nashville)	None --	N	10 mi —2500' W side N leg 15 mi —2500 W side N leg 20 mi —2500' W side N leg 25 mi —2500 W side N leg	2000'	177°	1 4	R S A T	500 ---- 1000 500	2.0 . . 3.0 1 0	500 ---- 1000 500	2.0 . . 3 0 2.0	Climb to 4000' on S leg
Smoky Hill (Salina) Kans.: Smoky Hill AAF el 1,289' ILS Page 178	N—Min en route alt .. .. E—3000' (SW leg Marshall). S—3000' (NE leg Hutchinson). W—Min. en route alt.	None	N	10 mi —3000 W side N leg -- 15 mi —3000' W side N leg 20 mi —3000 W side N leg 25 mi.—3000 W side N leg	2200	170°	5.1	R S A T	500 500 1000 300	1 5 1 0 3 0 1 0	500 500 1000 300	1 5 1 0 3 0 1 0	Climb to 3000 on S leg
Salina Airport el 1,375'	(Make let-down to Smoky Hill AAF Fly contact from Smoky Hill AAF to Salina Airport.)												

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
South Bend Ind: Bendix Airport el. 778:													
Procedure No 1	N—2 000′ (NE leg Chicago) E—2 100′ (N leg Goshen). E—2,000′ (Notre Dame LFM) S—2,100′ (W leg Goshen). W—2,000′ (SE leg Glenview)	None	W	10 mi —2 000 N side W leg 15 mi —2 000′ N side W leg. 20 mi —2 000 N side W leg 25 mi —2 000′ N side W leg.	1 500′	75	3 3	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 100′ on E leg.
Procedure No 2	N—2 000′ (NE leg Chicago) E—2 100′ (N leg Goshen) E—1,400 (N leg Goshen) (Final) S—2,100′ (W leg Goshen). W—2,000′ (SE leg Glenview)	None	E	10 mi—2,000′ N side E leg. 15 mi —2 000′ N side E leg 20 mi —2 000′ N side E leg 25 mi —2,000′ N side E leg	1,400′ Over Notre Dame LFM.	255° From Dame	4.1 Notre LFM						Climb to 2,000 on W leg o both aural and visual signals of LFM not received climb to 2 000′ on W leg
Spartanburg, S. C: Memorial Mun Airport el 804	NE—3 000′ (N leg Charlotte)... NE—2,200′ (NW leg Columbia) SE—2,000′ (W leg Columbia) SW—2,500′ (S leg Greenville) NW—Min on route alt	None	SW	10 mi —2 000′ S side SW leg 15 mi —2 000′ S side SW leg 20 mi —2 000 S side SW leg 25 mi —2 000 S side SW leg	1 500′	58°	1 6	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb on NE leg to 3 000′
Spokane, Wash: Felts Field, el. 1,962′	NE—Min. en route alt.. ..... E—6,200′ (Coeur d'Alene Range) SW—5,000′ (Walla Walla Range) W—4,700′ (Ephrata Range)	None	E	10 mi —4 700′ N side E leg 15 mi —6 200′ N side E leg 20 mi —6 200 N side E leg. 25 mi —6 200 N side E leg	4 200	331°*	1 2						Climb to 4,700 on W leg between Spokane and Ephrata ranges 735′ obst 1/2 mi N of fld. *Acft must descend to min. on W leg and fly contact to airport
Spokane AAF, el. 2,430′	(Make let-down to Felts Field. Fly contact from Felts Field to Spokane AAF.)												
Calkins Air Terminal, el 2 020′	(Make let-down to Felts Field Fly contact from Felts Field to Calkins Air Terminal)												
Geiger Field, el. 2,372′	(Make let-down to Felts Field Fly contact from Felts Field to Geiger Field.)												
Springfield, Ill: Springfield Airport el 606′	NE—2,000′ (W leg Chanute) SE—Min. en route alt. SW—1,800′ (N leg St. Louis). NW—1,800 (N leg St. Louis)	None	NW	10 mi —1 800 S side NW leg 15 mi —1 800′ S side NW leg 20 mi —1 800′ S side NW leg 25 mi —1 800 S side NW leg.	1 300′	113°	2.3	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 000 on SE leg
Springfield, Mo: Springfield Airport, el 1 269′	NE—3,000′ (Vichy Range) SE—Min. en route alt. SW—3,000′ (S leg Joplin) NW—Min. en route alt.	None	NW	10 mi —2 400′ W side NW leg 15 mi —2 400′ W side NW leg 20 mi —2 400′ W side NW leg 25 mi —2 400 W side NW leg	1 900′	134°	4 3	R A A T	500 1 000 1 000 300	1 5 1 0 3 0 1 0	500 1 000 1 000 300	1 5 1 0 3 0 1 0	Climb to 3,000′ on SE leg within 25 mi.
Squantum Mass: Squantum NAS, el 10′	NE—2,000′ (E leg Boston) SE—Min. en route alt. SW—3,000′ (Providence Range) SE—2,000′ (Brant Rock FM) NW—2,000′ (W leg Boston).	None	SE	10 mi —1 500 E side SE leg 15 mi.—1 500 E side SE leg 20 mi —1 500 E side SE leg 25 mi —1,500 E side SE leg	1 000′	321°	3 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Turn left and climb to 2,000 on SE leg within 25 mi
Stewart (Newburgh), N Y: Stewart Field el 474′	NE—3,000′ (N leg New Hackensack) SE—3,000′ (NE leg Newark). SW—3,100 (NW leg La Guardia) NW—Min. en route alt.	None	SW	10 mi —2 700′ S side SW leg 15 mi.—2 700′ S side SW leg 20 mi —2 700′ S side SW leg 25 mi —3,100 S side SW leg	1 900′	125°	2.5	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1 000 300	1 5 1 0 3 0 1 0	Turn left and climb to 3,000 on NE leg 1,664′ hills E side of SW leg 8 mi from range.
Stockton Calif: Stockton Airport, el 23′	E—3,000′ (SE leg Sacramento) SE—3,000′ (Fresno Range). W—5,000′ (Oakland Range). NW—3,000′ (SW leg Sacramento)	None	SE	10 mi —1 500′ E side SE leg 15 mi —1,500 E side SE leg 20 mi —1,500 E side SE leg 25 mi.—1,500′ E side SE leg	800′	285°	3 1	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 3,000′ on NW leg
Stuttgart Ark: Stuttgart Airport, el 223	N—Min. en route alt..... E—2,000′ (SW leg Memphis). S—2,000′ (SE leg Little Rock). W—2,000′ (Little Rock Range).	None	N	10 mi —1 500 W side N leg 15 mi.—1,500 W side N leg 20 mi —1 500 W side N leg 25 mi.—1,500 W side N leg	1 300′	173°	4 5	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 000 on S leg
Superior, Mont. -- -- --	No instrument let-downs authorized												
Syracuse, N. Y: Syracuse Airport el 416	N—2,000 (NW leg Utica) E—2,700′ (SW leg Utica) S—3,200′ (SW leg Utica). W—2,300′ (E leg Rochester)	None	W	10 mi.—2 000 S side W leg 15 mi.—2 000′ S side W leg 20 mi —2 000 S side W leg 25 mi —2 000′ S side W leg.	1 500	95°	7 4				--		Climb on E leg to 2 700′
Syracuse Mun Airport el 336	N—2,000′ (NW leg Utica) E—2,700 (SW leg Utica) S—3,200′ (SW leg Utica). W—2,300′ (E leg Rochester)	None	N	10 mi.—1,700′ W side N leg 15 mi.—1 700′ W side N leg 20 mi.—1 700′ W side N leg 25 mi.—1 700′ W side N leg.	1 200′	178°	2.2	R S A T	700 1 000 400	2.0 3 0 1 0	700 1 000 500	2 0 3 0 1 0	Climb to 3,200 on S leg
Tallahassee, Fla: Dale Mabry Field el 70′	N—Min. en route alt..... E—1,400′ (NW leg Cross City) S—Min. en route alt. NW—1 500′ (E leg Crestview)	None	NW	10 mi.—1 300′ S side NW leg 15 mi —1 500 S side NW leg 20 mi.—1 500 S side NW leg 25 mi —1 500 S side NW leg	700	85°	2.7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	500 500 1 000 300	1 5 1 5 3 0 1.0	Climb to 1 400 on E leg
Tampa, Fla.: Drew Field el 26 ..... --	NE—1,500′ (Orlando Range). S—1,500′ (NW leg Ft. Myers) SW—Min. en route alt. N—1 500′ (SE leg Cross City). N—1,300′ (North Tampa FM)	None.....	S	10 mi.—1 200′ E side S leg ..... 15 mi.—1 200′ E side S leg 20 mi.—1 200′ E side S leg 25 mi.—1 200′ E side S leg	700′	339°	5.7	R S A T	500 500 1 000 400	1 5 1 0 3.0 1.0	500 500 1 000 400	1 5 1.0 3 0 1 0	Climb to 1 500′ on N leg.
MacDill Field el 9′.....	NE—1,500′ (Orlando Range).... S—1,500′ (NW leg Ft. Myers) SW—Min. en route alt. N—1,500′ (SE leg Cross City)	None..... --	N	10 mi.—1,000′ W side N leg... 15 mi.—1 000′ W side N leg 20 mi.—1 000′ W side N leg. 25 mi.—1 000′ W side N leg.	800′	210°	2.1	--	--	-- --	.....	.....	Climb to 1 500′ on S leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min. alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Tampa, Fla—Continued Peter O Knight Airport, el 8'	NE—1,500' (Orlando Range). S—1,500' (NW leg Ft. Myers) SW—Min. en route alt. N—1,500' (SE leg Cross City)	None	SW	10 mi—1,000' S side SW leg 15 mi—1 000 S side SW leg 20 mi—1,000 S side SW leg 25 mi—1 000 S side SW leg	700	55°	2 7						Climb to 1,500 on NE leg
Terre Haute Ind.: Hulman Airport, el 536'	N—1,800' (SW leg Lafayette).. E—2,000 (Indianapolis Range) S—1,800' (Evansville Range). W—1,800' (Effingham Range)	None	W	10 mi—1,800 S side W leg 15 mi—1 800 S side W leg 20 mi—1 800' S side W leg 25 mi—1,800' S side W leg	1 300	69	5 8	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	2 0 2 0 3 0 1 0	Climb to 2 000' on E leg
Paul Cox Airport, el 485	N—1 800' (SW leg Lafayette).. E—2,000 (Indianapolis Range) S—1,800' (Evansville Range). W—1,800' (Effingham Range).	None	W	10 mi—1,800 S side W leg 15 mi—1,800' S side W leg 20 mi—1 800 S side W leg 25 mi—1 800 S side W leg.	1 300	182°	0 0						Climb to 1 800' on W leg
Texarkana, Ark: Texarkana Airport el 389'	NE—1,500' (SW leg Little Rock) SE—Min. enroute alt. W—1,500' (NW leg Shreveport) NW—Min. enroute alt	None	NW	10 mi—1 400 W side NW leg 15 mi—1 400 W side NW leg 20 mi—1 400' W side NW leg 25 mi.—1 400 W side NW leg	900	123°	2 2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1,500' on SE leg within 25 mi
The Dalles, Oreg: The Dalles Airport, el 239'	NE—7,000' (Yakima Range) E—4,000' (Pendleton Range) S—7 000' (Redmond Range) W-0 000 (Portland Range)	None	E	10 mi—4,000 S side E leg 15 mi—4 000 S side E leg 20 mi—4 000 S side E leg 25 mi—4 000 S side E leg	2,500	251°	2.8	R S A T	2 500 2 500 1 000	3 0 3 0 1 0	2 500 2 500 1 000	3 0 3 0 2.0	Make immediate 180° left turn climbing to 4 000' on E leg. Caution: High terrain 4 mi N and parallel ing E leg.
Tillamook, Oreg: Tillamook NAS el 35'	NE—5,000 (N leg Portland) .. ... SE—5,000' (N leg Eugene) SW—Min. enroute alt. NW—Min. enroute alt. NW—2,300' (Bay Ocean FM) (Final)	None ..	NW	10 mi—2 500' W side NW leg 15 mi—2 500 W side NW leg 20 mi—2 500 W side NW leg 25 mi—2,500 W side NW leg	2,300	123°	2.5	R S A T	2 200 2 200 2 200	2.0 2.0 2.0	2 200 2 200 2 200	3 0 3 0 3 0	Climb immediately to 3 000' on SW leg. Ctn: High terrain on each side el NW leg 3 mi from station.
Tinker (Oklahoma City), Okla.	No procedure authorized.												
Toledo, Ohio: Toledo Airport, el 623.	N—2,000' (SW leg Windsor) .. E—1,500' (S leg Romulus) S—Min. enroute alt. S—1,500' (Bowling Green FM) (Final) W—2,000' (NE leg Ft. Wayne)	None	S	10 mi—1,500' E side S leg 15 mi—1,500' E side S leg 20 mi—1,500 E side S leg 25 mi.—1 500 E side S leg	1,500	10°	2.7	R S A T	500 500 1,000 300	1 5 1 0 3 0 1.0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 2,000 on N leg
Toledo, Wash.: Toledo-Winlock Int. Fld, el 371'	N—5,000' (Seattle Range) E—Min. enroute alt. S—5,000' (Portland Range) W—Min. enroute alt	None ..	N	10 mi—3 500 W side N leg.. 15 mi—3 500 W side N leg 20 mi—3 500 W side N leg 25 mi—3 500 W side N leg	2 000	235°	2.8	R S A T	1,000 1 000 300	1 0 3 0 1 0	1 000 1 000 300	2.0 3 0 1 0	Turn right and climb to 4 000' on N leg.
Tonopah Nev: Tonopah AAF, el. 5 425	N—Min. enroute alt..... SE—Min. enroute alt. S—Min. enroute alt NW—Min. enroute alt.	None	N	10 mi—9 000 W side N leg 15 mi—9,000 W side N leg 20 mi—10 000 W side N leg 25 mi—10,000 W side N leg	8 000	163°	2.6	R S A T	2,500 2 500 1 000	2.0 2.0 1 0	2,500 2,500 1,000	3 0 3.0 2.0	Climb to 10,000' on S leg within 25 mi.
Topeka, Kans.: Topeka AAF, el 1 075'	NE—3,000' (NW leg Kansas City) SE—3,000' (SW leg Kansas City) SW—3,000 (NW leg Topeka). NW—3,000 (NE leg Marshall)	None	SW	10 mi—2 500' S side SW leg 15 mi—2 500 S side SW leg 20 mi.—2,500 S side SW leg. 25 mi—2 500' S side SW leg	2,000	32°	3 5	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3.0 1 0	Climb to 3 000' on NE leg.
Traverse City, Mich: Traverse City Airport el 615'	NE—Min enroute alt ..... SE—Min. enroute alt. SW—Min. enroute alt. NW—Min enroute alt.	None	SE	10 mi—2,100 N side NE leg 15 mi—2 200' N side NE leg 20 mi—2 400 N side NE leg 25 mi—2 500 N side NE leg.	1 000	319°	2.2	R S A T	500 500 1,000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2,000 on NW leg within 25 mi.
Tri City, (Bristol), Tenn.: Tri City Airport, el 1 610'	NE—7 000' (Pulaski Range) NE—6,000 (Chillhowie FM) SE—Min. enroute alt. SW—4,100' (Knoxville Range) NW—Min. enroute alt.	On SW leg to 4,000' within 12 mi.	NE	10 mi—4 000 N side NE leg 15 mi—7 000 N side NE leg 20 mi—7 000 N side NE leg 25 mi.—7,000' N side NE leg	2,000	233°	3.3	R S A T	700 700 1,000 300	1 0 1 0 3 0 1 0	700 700 1,000 300	2.0 2.0 3 0 1 0	Climb to 4,100 on SW leg.
Trinidad, Colo	No procedure approved.												
Tucson, Ariz.: Davis Monthan Field, el 2 602'	NE—Min enroute alt.. ... SE—10,000 (W leg Cochise) SW—Min. enroute alt. NW—9,000' (E leg Gila Bend).	None	SW	10 mi—4 700' S side SW leg 15 mi—8 000 S side SW leg 20 mi—6 000' S side SW leg 25 mi.—7,000 S side SW leg.	3,400'	307°	3.3	R S A T	700 1,000 300	1 5 3 0 1 0	800 1 000 300	2.0 3 0 1 0	If contact not est over range make left turn and climb to 7,200' on SW leg within 25 mi. High peak 6 mi NW of SW leg 12 mi. out
Tucson Airport, el. 2,695	(Make let down to Davis Monthan Field. Fly contact from Davis Monthan Field to Tucson Airport.)												
Tucumcari, N. Mex: Tucumcari Airport el 4,094'	N—Min. enroute alt..... E—5,200' (Amarillo Range) S—Min. enroute alt. W—6,000' (SE leg Las Vegas)	None	W	10 mi—6 000' S side W leg 15 mi—6 000' S side W leg 20 mi—6 000' S side W leg 25 mi—6 000 S side W leg.	5,000	70°	2.2	R S A T	500 500 1,000 300	1 5 1 5 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 5 200' on E leg
Tulsa, Okla: Tulsa Airport, el 674'	NE—2 200' (S leg Joplin) .... NE—1,500 (Verdigris River FM) (final). SE—Min. enroute alt. SW—2 200' (E leg Oklahoma City) SW—2,000 (Red Fork FM) NW—2 200 (S leg Wichita) NW—2 000' (Skiatook FM)	None ..	NE	10 mi—2 000 N side NE leg 15 mi—2 000 N side NE leg 20 mi—2 000 N side NE leg 25 mi.—2 000 N side NE leg	1,000	225°	1 0	R S A T	500 1,000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb to 2,200' on SW leg

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Tyler, Tex: Pounds Airport el 543	NE—1,600′ (W leg Shreverpot) SE—Min. enroute alt. SW—Min. enroute alt. NW—1,600′ (E leg Dallas).	None	NW	10 mi —1 600′ S side NW leg 15 mi —1 600 S side NW leg 20 mi —1 600 S side NW leg 25 mi —1 600 S side NW leg	1 100	124	1 6	R S A T	500 1 000 300	1 5 3 0 1 0	500 1 000 300	1 5 3 0 1 0	Climb to 1,600 on SE leg within 25 mi
Tyndall (Panama City) Fla: Tyndall Field el 16′	NE—1,500′ (NW leg Tallahassee) SE—Min. enroute alt. SW—Min. enroute alt. NW—15 00′ (E leg Eglin)	None	SE	10 mi —1 100′ E side SE leg 15 mi —1,100′ E side SE leg 20 mi —1 100′ E side SE leg 25 mi —1 100′ E side SE leg	600	313°	2.8	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 500 on NW leg
Utica, N. Y.: Utica Airport, el 525	NE—Min enroute alt SE—Min. enroute alt. SW—4,000′ (S leg Syracuse). NW—3,000 (N leg Syracuse)	None	NW	10 mi —2,500′ W side NW leg 15 mi —2 500 W side NW leg 20 mi —2 500′ W side NW leg 25 mi —2 500′ W side NW leg	2 000′	151	3 0	R S A T	1 000 1 000 300	1 0 3 0 1 0	1 000 1,000 300	2.0 3 0 1 0	Climb to 3,000′ on SE leg within 25 mi
Rome AAB, el 473	NE—Min enroute alt SE—Min. enroute alt. SW—4,000′ (S leg Syracuse). NW—3 000 (N leg Syracuse)	None	SE	10 mi —2 700′ E side SE leg 15 mi.—3 000′ E side SE leg 20 mi.—3 000′ E side SE leg 25 mi —3 000′ E side SE leg	2 000	315°	2.8	R S A T	600 500 1 000 300	1 5 1 0 3 0 1 0	600 500 1,000 300	1 5 1 5 3 0 1 0	Climb to 3 000 on NW leg
Vichy, Mo: Vichy AAF, el 1,120′	NE —2,500 (W leg St Louis) SE—Min. enroute alt. SW—2,500′ (S leg Columbia). NW—2,500′ (S leg Columbia)	None.	SE	10 mi —2 200 E side SE leg 15 mi —2,200′ E side SE leg. 20 mi —2 200′ E side SE leg 25 mi —2,200′ E side SE leg.	1,700	310	2.7	R S A T	500 500 1,000 300	1 5 1.0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 500′ on NW leg
Waco Tex: Waco Airport el 500	NE—2,000′ (S leg Dallas) SE—Min. enrout calt SW—2,000′ (Austin Range). NW—2 000′ (S leg Ft worth)	None	SW	10 mi —1 600′ E side SW leg 15 mi —1 600′ E side SW leg 20 mi —1,600′ E side SW leg 25 mi —1 600′ E side SW leg	1,400′	9	2.6	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1,000 300	1 5 1 5 3 0 1.0	Climb to 2,000′ on NE leg
Walla Walla, Wash.: Walla Walla AAF, el 1 205′	NE—5,000′ (Spokane Range) SE—Min. enroute alt. SW—5,000′ (E leg Pendleton) NW—Min. enroute alt.	None	NE	10 mi —3 000′ W side NE leg 15 mi —3 500′ W side NE leg 20 mi —3 500′ W side NE leg 25 mi.—3,500′ W side NE leg	2 500′	182°	3.8	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	700 700 1,000 300	1 5 1 0 3 0 1 0	Climb to 5,000′ on SW leg. High terrain 5 mi E of NE leg
Martin Airport el. 750′	(Make let down to Walla Walla AAF Fly contact to Walla Walla AAF to Martin Airport.)												
Walnut Ridge, Ark: Walnut Ridge Airport el 275′	NE—2,000′ (W leg Advance) E—2,000′ (N leg Memphis) SW—Min. enroute alt W—Min enroute alt	None	NE	10 mi —1,500′ W side NE leg 15 mi —1,500 W side NE leg 20 mi —1 500 W side NE leg. 25 mi —1,500′ W side NE leg	000′	174	5.0	R S A T	500 500 1 000 300	1 5 1 0 3 0 1.0	NA NA NA NA		Climb to 2,000′ on SW leg
Washington, D. C.: Anacostia NAS el 10	NE—1,800 (W leg Baltimore) SE—1,500′ (S leg Baltimore). SW—1,500′ (N leg Richmond) SW—1,000′ (Mt. Vernon FM). SW—700′ (Alexandria LFM) (Final)** NW—1 800′ (E leg Front Royal)	None	SW	10 mi —1 500 E side SW leg 15 mi —1 500 E side SW leg 20 mi —1 500 E side SW leg. 25 mi —1 500′ E side SW leg	1 000′	41°	2.2						Climb to 1 500 on NE leg *350′ hills immediately E. **Descent to cross range at 700′ may be started after passing Alexandria LFM. If LFM not received final approach alt over range is 1,000′.
Bolling Field el 20′	NE—1,800 (W leg Baltimore) SE—1,500′ (S leg Baltimore). SW—1 500′ (N leg Richmond) SW—1,000 (Mt. Vernon FM). SW—700′ (Alexandria LFM) (Final)* NW—1 800′ (E leg Front Royal)	None	SW	10 mi —1,500′ E side SW leg 15 mi —1,500′ E side SW leg 20 mi —1,500′ E side SW leg 25 mi —1 500′ E side SW leg.	1 000	*82°	1.2						Climb to 1 500 on NE leg *350′ hills immediately E. **Descent to cross range at 700′ may be started after passing Alexandria LFM. If LFM not received, final approach alt over range is 1,000′.
Washington National Airport el 17′	NE—1,800′ (W leg Baltimore) SE—1,500′ (S leg Baltimore). SW—1 500′ (N leg Richmond) SW—1,000′ (Mt. Vernon FM). SW—700′ (Alexandria LFM) (Final)** NW—1 800′ (E leg Front Royal)	None	SW	10 mi —1 500 E side SW leg. 15 mi —1 500′ E side SW leg 20 mi —1 500′ E side SW leg 25 mi.—1 500 E side SW leg	1 000′	25°	0.9	R S A T	500 - --- 1 000 300	1 5 - - 3 0 1.0	500 - --- 1 000 300	1 5 - - 3.0 1.0	Climb to 1,500′ on NE leg. **Descent to cross range at 700′ may be started after passing Alexandria LFM. If LFM not received, final approach alt over range is 1,000′
Watertown, S. Dak: Watertown Airport el 1 739′	N—Min. enroute alt. E—3,000′ (Willmar Range) S—Min. enroute alt. SW—3,000′ (Huron Range)	None	E	10 mi.—3 000′ N side E leg 15 mi —3 000′ N side E leg 20 mi —3 000′ N side E leg 25 mi.—3 000′ N side E leg.	2,500′	256	2.8	R S A T	500 500 1 000 300	1 5 1 0 3.0 1.0	500 500 1 000 300	1 5 1 5 3.0 1.0	Climb to 3,000′ on W leg within 25 mi.
Weeksville N. C	Weeksville NAF. No procedure approved.												
Wendover, Utah: Wendover Field el 4 240′	N—12,000′ (W leg Lucin) E—11,000′ (Salt Lake City Range) E-8,500′ (Timple FM) S—Min. enroute alt. W—Min. enroute alt.	On E leg to 5,000′ all turns on S side of leg.	E	10 mi.—5 500 S side E leg 15 mi —5 500′ S side E leg 20 mi.—5 500 S side E leg. 25 mi.—5 500′ S side E leg.	5,000′	258°	2.2	R S A T	900 900 1 500 900	1.0 1 0 2.0 1.0	900 900 1 500 900	2.0 2.0 3.0 2.0	If contact not estab. over range make 180° left turn and climb to 11 000′ on E leg. Ctn: High terrain 6 mi N of E & W legs, within 10 mi. Danger area N & S of E leg.
Westfield Mass: Barnes Airport el. 223′	N—3 000′ (W leg Boston) E—2,000′ (NE leg Hartford) S—2 500′ (NW leg Hartford) NW—5 000′ (Albany Range)	None	S	10 mi.—2,500′ E side S leg 15 mi.—2,500′ E side S leg. 20 mi.—2,500′ E side S leg. 25 mi.—2 500′ E side S leg.	1,000′	27°	1.7	R S A T	1,000 1 500 700	2.0 3.0 1.0	1,000 1,500 700	2.0 3.0 2.0	Climb to 3 000′ on N leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt		Ceiling and visibility minimums					If contact not estab. over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Westover (Chicopee Falls) Mass: Westover Field el 244'	NE—3,000' (W leg Boston). SE—2,600' (E leg Westfield) SW—2,600 (S leg Westfield). NW—2,600 (N leg Westfield)	None	NE	10 mi —2 300' N side NE leg 15 mi —2 500 N side NE leg 20 mi —2 600' N side NE leg 25 mi —2 600' N side NE leg	1 800	239°	2 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	2 0 2 0 3 0 1 0	Climb to 2 500 on SW leg
West Palm Beach Fla: Morrison Field el 18'	N—1,600' (SE leg Melbourne) E—Min. enroute alt. S—1,600' (Miami Range) W—Min enroute alt	None	W	10 mi —1 200 S side W leg 15 mi —1 200' S side W leg 20 mi —1 200' S side W leg 25 mi —1 200' S side W leg	600	80°	2 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to min enroute alt on E leg
Whidbey Island Wash.: Oak Harbor NAS el S L	NE—1,500 (S leg Bellingham) SE—1,500' (N leg Everett). SW—1,500 (NW leg Seattle). NW—3,000 (E leg Patricia Bay)	None	NW	10 mi —1 500 W side NW leg 15 mi —1 500' W side NW leg 20 mi —3 000' W side NW leg 25 mi —3 000 W side NW leg	1 000'	123°	3 7						Climb to 1 500 on SE leg
Whidbey Island NAS, el 17'	NE—1,500' (S leg Bellingham) SE—1,500' (N leg Everett). SW—1,500 (NW leg Seattle). NW—3,000 (E leg Patricia Day)	None	SE	10 mi —1 500' E side SE leg 15 mi —1 500 E side SE leg 20 mi —1 500' E side SE leg 25 mi —1 500 E side SE leg	1 000	303°	3 3	R S A T	800 800 1 000 300	1 5 1 0 3 0 1 0	800 800 1 000 300	2 0 2 0 3 0 1 0	Climb to 3 000 on NW leg
Whitehall Mont: CAA Int Field el 4 695'	N—10,500' (Helena Range) N—9,000' (Whitetail FM). E—10,000 (Bozeman Range) S—11,500 (Dillon Range). NW—10 000' (S leg Butte)	None	E	10 mi —8 000 N side E leg 15 mi —8 000' N side E leg 20 mi —8 000 N side E leg 25 mi.—8 000 N side E leg	7 000	183°	2.3	R S A T	2 000 . . . 2,000 1 500	2.0 . . . 2.0 1.0	2,000 . . . 2 000 1 500	2.0 . . . 2 0 2 0	If contact not estab. over range turn left & climb to 11,500' on S leg. Ctn: 9,000 10 000' terrain 8 mi E of S leg. 10-20 mi from rng. 10 000-11,000' terrain 8 mi w of S leg, 10 mi out.
Whiting (Milton), Fla: Whiting Field N AS North el 200'	NE—1,200' (N leg Crestview). SE—1 200 (NE leg Pensacola) SW—1,200 (N leg Pensacola). NW—1,200 (N leg Pensacola)	None	NW	10 mi —1 200 S side NW leg 15 mi —1 200 S side NW leg 20 mi —1,200' S side NW leg 25 mi —1 200 S side NW leg	700	130	3 2	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 1 200' on SE leg
Whitmore, Calif	No associated airport.												
Wichita, Kans.: Wichita Airport el 1,373. ILS page 173	NE—2,900' (Lebo Range) S—2 900' (NW leg Tulsa) S—2,000 (Oxford FM). SW—2 900' (S leg Hutchinson) SW—2,000 (Viola FM). N—2 900' (E leg Hutchinson). N—2,000' (Kechi FM) (Final).	None ..	N	10 mi.—2 900 W side N leg 15 mi —2 900' W side N leg 20 mi —2 900 W side N leg 25 mi —2 900' W side N leg	2,300	167°	1 0	R S A T	500 . . . 1 000 300	1 5 . . . 3 0 1.0	500 . . . 1 000 300	1 5 . . . 3 0 1 0	Climb to 2 500 on S leg
Wichita Falls, Tex.: Sheppard/Kell Mun. Airport el 1 025'	NE—2,000' (S leg Oklahoma City) SE—2,000' (N leg Fort Worth) SW—2,000 (Abilene Range). NW—2 000 (Chico Ion Range). NW—2 000 (NE (visual) leg Childress VHF range).	None ..	SE	10 mi —2 000 E side SE leg 15 mi —2 000 E side SE leg 20 mi —2 000 E side SE leg 25 mi —2 000 E side SE leg	1 700'	205°	1 7	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 500 on NW leg within 25 mi
Wilkes-Barre, Pa.: Wilkes Barre-Wyoming Valley Airport el 549'	E—3,000' (SE leg Elmira) SE—3,000' (Allentown Range). SW—3,000 (E leg Williamsport) N—3 000' (SE leg Elmira).	None	NE	10 mi —3 000 N side NE leg 15 mi —3 000' N side NE leg 20 mi —3 000 N side NE leg 25 mi —3 000 N side NE leg	2 000'	215°	2.0	R S A T	1 500 . . . 1 000 1 000	2.0 . . . 3 0 1 0	NA . . . NA NA		Climb to 3 000 on SW leg
Williams, Calif.: Williams Int Field, el 139'	N—4,000' (Red Bluff Range) E—Min. enroute alt. S—5,000' (NW leg Fairfield Suisun) W—Min. enroute alt.	On N leg within 25 mi	N	10 mi —1 500' W side N leg 15 mi —1,500' W side N leg 20 mi —1 500 W side N leg 25 mi —1 500 W side N leg	800'	244°	2.2	R S A T	700 . . . 1 000 300	1 5 . . . 3 0 1 0	700 . . . 1 000 300	2.0 . . . 3 0 2.0	Climb to 5 000 on S leg.
Williamsport Pa.: Williamsport Airport el 529'	N—4,000' (SE leg Elmira). E—4,000' (SW leg Wilkes Barre) S—4,000 (E leg Philadelphia) W—4,000' (SW leg Elmira).	None	E	10 mi —4 000 S side E leg 15 mi —4 000 S side E leg 20 mi —4 000 S side E leg 25 mi —4 000 S side E leg	2,500	231°	7 0	R S A T	2,000 . . . 2 000 1 000	2.0 . . . 2 0 2 0	NA . . . NA NA		Turn rt and climb to 4 000 on E leg
Willmar, Minn: Willmar Airport, el 1 139'	N—2,400' (SE leg Alexandria). E 2,000' (NW leg Minneapolis) S—2,000 (NE leg Sioux Falls). W—2,000' (Watertown Range).	None	S	10 mi —2 000 E side S leg 15 mi —2 000 E side S leg 20 mi —2 000 E side S leg 25 mi —2 000 E side S leg.	1 000'	337°	3 3	R S A T	600 600 1,000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	2.0 2.0 3 0 1 0	Climb to 2 400 on N leg
Willow Grove, Pa: Willow Grove NAS el 99'	NE—3,000' (NW leg Lakehurst). SE—2,000' (NE leg Philadelphia) SW—2,000 (N leg Philadelphia) NW—2,000' (SW leg Allentown)	None	NE	10 mi —1 000' N side NE leg 15 mi —2 000' N side NE leg 20 mi —2 000' N side NE leg 25 mi —2 000' N side NE leg	1 000'	241°	3 3	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	1 5 1 5 3.0 1 0	Climb to 2,000' on SW leg and a R leg
Windsor, Canada: Detroit City Airport, el 625'	NE—1,500' (SE leg Fairfield). SE—1,500' (Cleveland Range) SW—2 300 (SE leg Romulus) SW—1,800' (E leg Romulus). NW—2,300' (NW leg Selfridge)	None	SE	10 mi —1 800 E side SE leg 15 mi —1 800 E side SE leg 20 mi —1 800 E side SE leg 25 mi —1,800' E side SE leg	1,300'	329°	9 0	R S A T	1 000 . . . 1 000 500	1 0 . . . 3 0 1 0	1 000 . . . 1 000 500	1 0 . . . 3 0 1 0	If not contact over range climb to 2 800 on NW leg 1 000' tank on arpt. 1 000' rdo twr on SW leg 10 mi out.
Wink, Tex: Wink Airport el 2521'	E—4,000' (NW leg Midland) SE—Min. en route alt. W—4,000' (SE leg Carlsbad). N—5 000' (E leg Hobbs AAD)	None	SE	10 mi —4 000' E side SE leg 15 mi —4 000' E side SE leg 20 mi —4 000' E side SE leg 25 mi —4 000' E side SE leg	3 624'	353°	1 3	R S A T	500 . . . 1 000 300	1 5 . . . 3 0 1 0	500 . . . 1 000 300	1 5 . . . 3 0 1 0	Climb to 5 000 on N leg
Winslow, Ariz: Winslow Airport el 4937'	N—Min. en route alt. E—9 000' (El Morro Range) E—6,500' (Joseph City FM) S—Min. en route alt W—10,000' (Prescott Range). W—7 500' (Meteor Crater FM)	Between fan markers	N	10 mi —6 000' W side N leg 15 mi —7 000' W side N leg 20 mi —8 000' W side N leg 25 mi.—8 000' W side N leg	6 000'	160°	1 5	R S A T	700 . . . 1 000 300	2 0 . . . 3 0 1 0	700 . . . 1 000 300	2 0 . . . 3 0 1 0	Climb to 8,000' on S leg within 25 mi

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr.	Station to arpt		Ceiling and visibility minimums					If contact not estab over arpt; remarks
									Day		Night		
						Mag bear	Dist. (mi)		Ceil ft	Vis mi	Ceil ft	Vis mi	
Winston-Salem, N C.: Smith Reynolds Airport el 969	NE—2,500 (NW leg Greensboro) SE—Min. en route alt. SE—2,500' (SW leg Greensboro) SW—2,500' (N leg Charlotte) NW—Min. en route alt.	None	SE	10 mi —2 500 E side SE leg 15 mi —2,500 E side SE leg 20 mi —2 500 E side SE leg 25 mi.—2 500 E side SE leg	2 000'	328°	5 1						Climb to 3,500' on NW leg within 25 mi
Yakima, Wash: Yakima Co Air port, el 1053	NE—5,500' (NE leg Ellensburg) SE—5,000' (NW leg Pendleton) SW—7,000' (The Dalles Range) NW—Min. en route alt	None	SE	10 mi —4 000 S side SE leg 15 mi —4 000' S side SE leg 20 mi —4 000 S side SE leg 25 mi —4 000' S side SE leg	3 000	267°	4 7	R S A T	800 - --- 1 000 500	2 0 - - 3 0 1 0	1 000 - --- 1 000 800	2 0 - - 3 0 2 0	Climb to 4,000' on NW leg within 10 mi
Youngstown Ohio: Youngstown Airport, el 1178'	N—2,200' (SW leg Erie) E—2,200' (S leg Erie). S—2,500' (NW leg Pittsburgh) W—2,200' (NE leg Akron)	None	N	10 mi —2 200' W side N leg. 15 mi —2,200 W side N leg. 20 mi —2,200 W side N leg 25 mi —2 200' W side N leg	2 000	185	3 4	R S A T	500 500 1 000 300	1 5 1 0 3 0 1 0	500 500 1 000 300	1 5 1 5 3 0 1 0	Climb to 2 500 on S leg
Yuma, Ariz: Yuma Co Airport, el 213	N—4,000' (Blythe Range).... E—4,000' (Gila Bend Range) S—Min. en route alt. W—3 500' (El Centro Range)	None	N	10 mi —3 000 E side N leg 15 mi —3 000' E side N leg 20 mi.—3 000' E side N leg 25 mi —3 000' E side N leg	2 500	165	5 8	R S A T	600 600 1 000 300	1 5 1 0 3 0 1 0	600 600 1 000 300	2 0 2 0 3 0 1 0	Climb to 3,500' on S leg within 20 mi. If position not certain climb to emergency alt of 6 000'

(b) *Instrument landing systems*

Initial approach to ILS shall be made on following ranges	Transition to ILS					Final ILS app. leg: outbound; inbound	Procedure turn min on ILS	Min alt. at glide path interception	Glide path alt over markers		Dist from middle mrkr. to app. end of runway (mi)	Minimums			If not visual CTC at landing minimums climb to; remarks
	From—	To—	Mag. CRS (degs)	Dist. (mi)	Min alt. (ft)				Outer	Middle			Ceil	Vis	
Albuquerque, N Mex.: Kirtland Airport, el 5 330' (110 3 mc).	Albuquerque Range Peralta FM	Peralta FM.. Outer marker	169 349	11 5 10 3	8 000 6 300	169° S 349 S	8 000' W side S leg	8 000	6 300'	5 544'	0 66	R S	500' 400'	2 0 ¾	Climb to 10 000 on W leg
Amarillo, Tex.: English Field, el 3 610' (110 3 mc)	Amarillo Range Amarillo FM..... Int S leg Amarillo Range & SW leg ILS.	NE leg ILS NE leg ILS.. Outer marker	77 257 29	2 5 2 4 10 4	4 700 4 700 4 700	29 NE 209° NE	4 700' N side NE leg	4 700'	4,700	3,810'	0 62	R S	500' 400'	1 5 ¾	Climb to 5 000' on S leg
Atlanta, Ga.: Atlanta Air port el 1 005' (109 9 mc)	Int Atlanta Range & SE leg ILS Jonesboro FM....	Outer marker SE leg ILS	149 284	2.5 3 8	2,100 2 100	149° SE 329° SE	2 100' E side SE leg	2 100'	2 000'	1 216'	3,070 ft	R S	500' 400'	1.5 ¾	Climb to 3 000 on NW leg
Brownsville, Tex.: International Airport el 22' (110 3 mc).	Brownsville Range Los Fresnos FM	N leg ILS N leg ILS	93 166	1 5 1.5	1 200 1,200	351° N 171 N	1 200' W side N leg	1 200'	1 120'	230'	0 66	R S	500' 400	1 5 ¾	Climb to 1,200' on S leg
Charleston, S C.: Charleston Airport el 45' (110 3 mc)	N-Charleston Range.... .. E-Int. E leg Charleston & ILS localizer. SW Charleston Range	ILS localizer. Outer marker NW leg ILS..	110 327 53	3 4 14.3 2.3	1 200 1 200 1 200	327° NW 147° NW	1 200' W side NW leg	1 200'	1,050'	250'	0 64	R S	500' 400'	1.5 ¾	Climb to 1,500' on E leg
Cheyenne Wyo.: Cheyenne Airport el 6 156' (110 3 mc).	Cheyenne Range Hillsdale FM	Outer Marker E leg ILS	81 230	7 6 5 0	7 500 7 500	82° E 262° E	7 500' N side E leg	7 500'	7 500'	6 376	3,461 ft	R S	500' 400'	1 5 ¾	Climb to 8 000' on S leg
Chicago, Ill.: Chicago Air port el 618' (109 9 mc)	Chicago Range..... Int SE leg Chicago & NW leg ILS. Franklin Pk FM..... Int NE leg Joliet & NW leg ILS.	NW leg ILS. Outer marker Outer marker Outer marker	290 312 170 132	1 6 5 8 7.0 7 2	2 250 2 250 2 100 2 250	132° NW	2 250' E side NW leg	2,250'	2 100'	833	0.8	R S	500' 400'	1 5 ¾	Climb to 2,000' heading S on N leg Harvey
Dallas, Tex.: Love Field el 480' (110.3 mc)	Dallas Range..... Int E leg Ft Worth & N leg Dallas. Int. E leg Dallas & SE leg ILS.	NW leg ILS NW leg ILS Outer marker	341 161 306	4.0 4.2 9.0	1 700 1,700 1,700	326 NW 126° NW	1,700' N side NW leg	1 700'	1 500'	600'	0.7	R S	500' 400'	1 5 ¾	Climb to 2,000' on SE leg of ILS and proceed E leg Dallas
Denver Colo.: Stapleton Field el 5 320' (110.3 mc)	Denver (LF) Range Henderson FM.. Int. NE leg ILS & E leg Denver (LF) Range. Int. NE leg ILS & S leg Denver (LF) Range. Int. W leg Denver (VHF) Range & NE leg ILS	NE leg ILS NE leg ILS.. Outer marker Outer marker..... Outer marker	59 93< 206 26 206	4.1 8.5 1.0 4.9 4.6	6 300 6 300 6 300 6,300 6,300	26° NE 206° NE	6,300' S side NE leg	6,300'	6 300'	5 533	3 400 ft	R S	500' 400'	1.5 ¾	Climb to 9,000' on S leg Denver (LF) rng within 25 mi.
El Paso, Tex.: el Paso Airport, el. 3,958 (109.5 mc)	El Paso Range..... Int W leg El Paso & SW leg ILS. Hueco Mtn. FM ..... Newman MHW.	NE leg ILS. ..... Outer marker..... Newman MHW ... NE leg ILS.....	357 37 220 177	7 0 6.5 17 3 0	5 000 5,000 7 000 5,000	37° NE 217° NE	5 000' N side NE leg..	5,000'	4,075	4 123	0.67	R S	500' 400'	1.5 ¾	Climb to 8,000' on S leg El Paso Range. *Mntn 8,000' & remain on E leg El Paso Rng until position estab W of Hueco Mtn. FM.

Initial approach to ILS shall be made on following ranges	Transition to ILS: From—	Transition to ILS: To—	Mag. CRS (degs.)	Dist. (mi.)	Min (ft.) alt	Final ILS app. leg: outbound; inbound	Procedure turn min on ILS	Min alt. at glide path intercepton	Glide path alt over markers: Outer	Glide path alt over markers: Middle	Dist. from middle mrkr. to app. end of rnwy (mi.)	Minimums	Coil	Vis	If not visual GTO at landing minimums climb to; remarks
Fort Worth, Tex.: Meacham Field el 692' (109.9 mc)	Ft. Worth Range	N leg ILS	At Range Stn		2,000	352° N	2,000' W side N leg	2,000'	1,900'	913'	0.7	R	500	1.5	Climb to 2,000' on S leg Ft. Worth Range. Otn: Do not descend below glide path, bldg. 283' below glide path 2.4 mi S of outer mrkr
	Int. SE leg Wichita Falls & N leg Ft. Worth	N leg ILS	185	11	2,000	172° N						S	400'	¾	
	Haslet FM	N leg ILS	215	2.0	2,000										
Grand Junction, Colo.: Walker Field, el 4,842' (110.3 mc)	Grand Junction Range	Int. NW (aural) leg Grand Jct & ILS NW. leg	329	17.5	8,000	200 NW 110° NW	8,000 W side NW leg	6,100'	6,100'	5,040'	4.645 ft	R	1,000'	2.0	Make 180° turn to rt. & climb to 8,000' on NW leg of ILS to Int. of NW (aural) leg Gr. Jct. & ILS NW leg then proceed to Gr. Jct. Rng climbing to 11,000'. Oper dual VHF revrs required.
	Int. E (visual) leg Grand Jct & ILS SE leg	Int. NW (aural) leg Grand Jct & ILS NW leg	290	21.5	8,000							S	800'	2.0	
Jackson, Miss.: Jackson Airport, el 343' (109.9 mc)	N Jackson Range	NW leg ILS	220	3.2	1,600	288° NW	1,600' S side NW leg	1,400'	1,300'	543'	3.675 ft	R	500'	1.5	Climb to 1,600 on S leg Jackson Range
	E-Jackson Range	Outer marker on W leg.	207	4.2	1,600	108° NW						S	400	¾	
	S Int. S leg Jackson Range & Localizer.	Outer marker	288	4.2	1,600										
Jacksonville, Fla.: Jacksonville Arpt No 1 el 52' (110.3 mc)	Int. N leg Jacksonville & NE leg ILS.	Localizer	224	4.1	1,200	224° SW 44 SW	1,200 S side SW leg	1,200'	1,000'	260'	0.60	R	500	1.5	Climb to 1,200 on N leg
	Jacksonville Range	Localizer	270	2.1	1,200							S	400'	¾	
	Bryceville FM	SW leg ILS	118	12.0	1,200										
Memphis, Tenn.: Memphis Airport el 269' (109.9 mc)	Memphis Range	W leg ILS	300	2.4	1,700	269° W	1,700' S side W leg	1,700	1,600	457	0.60	R	500'	1.5	Climb to 1,800' on N leg of Memphis Range
	Bruins FM	W leg ILS	48	13.0	1,700	88 W						S	400'	¾	
	Cuba FM	Outer marker	183	18.3	1,800										
	Int NE leg Memphis & E leg ILS	Outer marker	200	9.8	1,800										
New Orleans, La.: Moisant International Airport el 3' (109.9 mc)	New Orleans Range	W leg ILS	271	5.0	1,400	280° W	1,400 S side W leg	1,400	1,040'	269'	0.67	R	500	1.5	Climb to 1,400 on NE leg of New Orleans Range
	La Place FM	Outer marker	84	4.0	1,040	100° W						S	400	¾	
	Int. S leg New Orleans & E leg ILS.	Outer marker	230	8.5	1,400										
Oklahoma City, Okla.: Will Rogers Field, el 1,232' (109.9 mc)	Oklahoma City Range	S leg ILS	78	2.5	2,000	170° S	2,000' E side S leg	2,000	2,400	1,452'	0.60	R	500	1.5	Climb to 2,700' on N leg Oklahoma City Range
	Washington FM	S leg ILS	325	10.0	2,000	350° S						S	400	¾	
	Int. N leg Okla City & N leg ILS.	Outer marker	170	15.0	2,000										
	Okla. City FM	S leg ILS	228	3.2	2,000										
Omaha, Nebr.: Omaha Airport, el. 982' (110.3 mc)	Omaha Range	Outer marker	314	4.0	2,000	315° NW	2,000 W side NW leg	2,200	2,200	1,102'	4.125 ft	R	500	1.5	Climb to 2,000' on SE leg of Omaha Range within 25 mi.
	Ft Calhoun FM	NW leg ILS	215	3.4	2,000	135° NW						S	400	1.0	
Raleigh, N. C.: Raleigh-Durham Arpt, el. 435' (109.9 mc)	Raleigh Range	ILS localizer.	200	4.5	1,000	2.5° SW	1,000' S side SW leg	1,000	1,000'	635'	0.62	R	500'	1.5	Climb to 1,000' on NE leg via intersection NE leg localizer & NE leg range
	Int. NE leg Raleigh & NE leg ILS.	Outer marker	220	23.5	1,000	50° SW						S	400	¾	
	Int NW leg Raleigh & SW leg ILS.	Outer marker	220	5.0	1,000										
San Antonio, Tex. (Alamo Range): San Antonio-Alamo Airport, el. 695' (109.9 (110.3 mc)	Alamo Range	SW leg ILS	174	3.0	2,200	210°	2,200' W side SW leg	2,200	2,000'	692'	0.60	R	500	1.5	Climb to 2,500 on N leg Alamo Range
	San Antonio (SBRA2) Range	SW leg ILS	124	1.0	2,200	35						S	400'	¾	
	Int. E leg Alamo Range & NE leg ILS.	Outer marker	210	9.5	2,200										
St. Louis, Mo.: Lambert St. Louis Airport, el 572' mc).	St. Louis Range	NE leg ILS	35	2.0	1,600	57° NE	1,600' N side NE leg	1,600	1,600	709'	3,035 ft	R	500'	1.5	Climb to 2000' on W leg within 25 mi.
	Spanish Lake FM	NE leg ILS	220	2.5	1,600	237° NE						S	400'		
Smoky Hill (Salina), Kans.: Smoky Hill AAF, el. 1,220' (109.9 mc).	Smoky Hill Range	NW leg ILS	200	7.2	3,000	300° NW	3,000 W side NW leg	2,100	2,100'	1,491'	4.700 ft	R	500'	1.5	Climb to 3,000' on S leg within 25 mi.
	Enroute from W	Int. W leg Smoky Hill & NW leg ILS		0.0	3,000	120° NW						S	400'	¾	
Wichita, Kans.: Wichita Airport el. 1,379' (110.3 mc)	Wichita Range	S leg ILS	104	7.1	2,000	183° S	2,000 E side S leg	2,700'	2,700'	1,555'	3.032 ft	R	500	1.5	Climb to 3,000' on NE leg within 25 mi.
	Viola FM	S leg ILS	70	16.7	2,000	005° S						S	400'	¾	
	Oxford FM	S leg ILS	320	10.0	2,000										

This part shall become effective upon publication in the FEDERAL REGISTER

[SEAL]

F. B. LEE,
Acting Administrator

[F. R. Doc. 46-10430; Filed Nov. 28, 1947; 8:47 a. m.]

[Amdt. 1]

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURES

LOW FREQUENCY RANGES AND INSTRUMENT LANDING SYSTEMS

It appearing that the Administrator of Civil Aeronautics has been authorized under the Civil Aeronautics Act of 1938, as amended, and the Civil Air Regulations issued pursuant thereto, to prescribe standard instrument approach procedures; that the procedures have been distributed to the public and interested persons have had ample opportunity to comment upon them; that in the public interest the procedures should be published without delay and that the compliance with the notice and procedure requirements of the Administrative Procedure Act would be impractical.

Now therefore, acting pursuant to the authority vested in me by sections 205, 301, 302, 306, 307, and 308 of the Civil Aeronautics Act of 1938, as amended (52 Stat. 973, 984, 985, 986; 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458) and §§ 42.37 and 60.306 of the Civil Air Regulations, and in accordance with the Administrative Procedure Act (Pub. Law 404, 79th Cong., Chapter 324, 2d Sess.) I hereby amend Part 609 of the regulations of the Administrator as follows:

§ 609.3 *Directive.* * * *

(a) *Low frequency ranges.* * * *

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt.		Ceiling and visibility minimums					If contact not estab. over arpt., remarks
						Mag bear	Dist (mi)		Day		Night		
									Ceil Ft.	Vis mi	Ceil ft	Vis mi	
Akron, Ohio: Akron Airport, el. 1,042'.	NE—2500' (E leg Cleveland). NE—2,400' (Akron LFM). SE—2,500' (S leg Youngstown). SW—2,400' (E leg Columbus). NW—2,700' (W leg Cleveland).	None	SW	10 mi—2,100' S side SW leg. 15 mi—2,100' S side SW leg. 20 mi—2,400' S side SW leg. 25 mi—2,400' S side SW leg.	1,800'	45°	0.4	R S A T	700 ------ 1,000 400	1.5 ----- 3.0 1.0	700 ------ 1,000 400	1.5 ----- 3.0 1.0	Climb to 2,500' on NE leg.
Augusta, Maine: Augusta Airport, el. 354'.	NE-1,600' (SW leg Bangor). E—Min. enroute Alt. SW—2,000' (Portland Range). W—1,800' (SW leg Bangor).	None	SW	10 mi—1,800' S side SW leg. 15 mi—1,800' S side SW leg. 20 mi—1,800' S side SW leg. 25 mi—1,800' S side SW leg.	1,300'	81°	2.0	R S A T	600 600 1,000 300	1.5 1.0 3.0 1.0	600 600 1,000 300	2.0 2.0 3.0 1.0	Climb to 1,600' on NE leg.
Bakersfield, Calif.. Bakersfield Kern Co. Airport, el. 515'	N—2,000' (Fresno Range). E—Min. enroute alt. S—6,000' (NW leg Palmdale). W—Min. enroute alt.	None	N	10 mi—2,000' W side N leg. 15 mi—2,000' W side N leg. 20 mi—2,000' W side N leg. 25 mi—2,000' W side N leg.	1,600'	141°	1.5	R S A T	700 ------ 800 300	2.0 ----- 2.0 1.0	700 ------ 800 300	2.0 ----- 2.0 1.0	Make W. turn and climb to 2,000' on N leg.
Daggett, Calif.. CAA Int. Field, el. 1,927'	N—Min. enroute alt. E—8,000' (SE leg Silver Lake). S—Min. enroute alt. W—6,000' (Palmdale Range).	None	W	10 mi—6,000' N side W leg. 15 mi—6,000' N side W leg. 20 mi—6,000' N side W leg. 25 mi—6,000' N side W leg.	3,900'	149°	0.0	R S A T	2,000 ------ 2,000 2,000	4.0 ----- 4.0 4.0	2,000 ------ 2,000 2,000	4.0 ----- 4.0 4.0	If not contact over range climb to 8,000' on E leg.
El Centro, Calif.. El Centro NAS el. —43' (below SL).	NW—8,000' (Indio Range). E—3,500' (Yuma Range). SE—Min. enroute alt. W—9,000' (San Diego Range).	To 1,500' on E leg within 25 mi.	E	10 mi—1,000' N side E leg. 15 mi—1,500' N side E leg. 20 mi—1,500' N side E leg. 25 mi—1,500' N side E leg.	500'	320°	3.7	R S A T	500 ------ 800 300	1.0 ----- 2.0 1.0	500 ------ 800 300	1.0 ----- 2.0 1.0	If not contact over range, make 180° turn and climb to 1,500' on E leg within 25 mi.
Elko, Nev.: Eldo-Keddie Field, el. 5,060'.	NE—12,000' (W leg Lucin). NE—9,000' (Deeth FM). S—Min. enroute alt. W—10,000' (Battle Mountain Range). W—7,600' (Carlin FM, final). N—Min. enroute alt.	None	W	10 mi—8,500' N side W leg. 15 mi—8,500' N side W leg. 20 mi—10,000' N side W leg. 25 mi—10,000' N side W leg.	7,600'	200°	0.8	R S A T	2,500 ------ 2,500 1,000	3.0 ----- 3.0 2.0	2,500 ------ 2,500 1,000	3.0 ----- 3.0 2.0	If not contact over range, climb to 9,000' on NE leg between range and Deeth FM. Make turns on N side NE leg
El Paso, Tex.. Anderson Field, el. 3,936'.	N—6,000' (Alamogordo Range). N—5,000' (Newman MHW). E—8,000' (Salt Flat Range). E—5,000' (Hueco Mtn. FM, final). S—Min. enroute alt. W—8,000' (Columbus Range). W—6,500' (SW leg ILS).	None	E	10 mi—6,000' S side E leg. 15 mi—7,000' S side E leg. 20 mi—8,000' S side E leg. 25 mi—8,000' S side E leg.	5,000'	257°	4.9	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Make 180° left(S) turn, proceeding to range and climb to 8,000' on S leg within 25 mi. *Maintain 8,000' until 5 mi. W of Hueco Mtn. FM. High terrain N side of E leg.
Enterprise, Utah: Enterprise Int. Field, el. 5,204'.	NE—11,000' (Milford Range). SE—Min. enroute alt. SW—9,000' (Las Vegas Range). NW—Min. enroute alt.	None	NE	10 mi—8,500' W side NE leg. 15 mi—8,500' W side NE leg. 20 mi—8,500 W side NE leg. 25 mi—8,500' W side NE leg.	7,200'	20°	3.1	R S A T	2,000 ------ 2,000 1,000	4.0 ----- 4.0 2.0	2,000 ------ 2,000 1,000	4.0 ----- 4.0 2.0	If not contact over range, climb to 9,000' on SW leg. High terrain S and W of range, also 6 mi. E.
Fallon, Nev.: Fallon Airport, el. 3,931'.	NE—Min. enroute alt. SE—Min. enroute alt. SW—Min. enroute alt. NW—7,500' (NE leg Reno).	NW leg to 6,500' within 25 mi.	NE	10 mi—6,000' N side NE leg. 15 mi—7,000' N side NE leg. 20 mi—11,000' N side NE leg. 25 mi—11,000' N side NE leg.	5,500'	219°	2.9	R S A T	1,000 ------ 1,000 500	2.0 ----- 2.0 1.0	1,000 ------ 1,000 500	2.0 ----- 2.0 1.0	Climb to 8,500' on SW leg within 25 mi.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr. leg	Procedure turn min. alt distances from radio range station	Min alt over range final appr	Station to arpt. Mag bear	Station to arpt. Dist. (mi)		Ceiling and visibility minimums: Day Ceil ft.	Day Vis mi	Night Ceil ft.	Night Vis mi	If contact not estab. over arpt.; remarks
Fresno, Calif: Fresno-Chandler Field, el. 289'.	NE—Min. enroute alt. SE—2,000' (Bakersfield Range). SW—Min. enroute alt. W—6,000' (NE leg Salinas). W—2,000' (Los Banos FM).	To 2,000' Wor SE leg within 25 mi.	SE	10 mi—1,000' W side SE leg. 15 mi—1,000' W side SE leg. 20 mi—1,000' W side SE leg. 25 mi—1,000' W side SE leg.	800'	23°	0.0	B S A T	500 --- 800 800	2.0 --- 2.0 1.0	500 --- 800 800	2.0 --- 2.0 1.0	If contact not estab. over range climb to 2,000' on W leg within 25 mi.
Gila Bend, Ariz.: Gila Bend AAF, el. 858'.	N—5,000' (W leg Phoenix). E—5,000' (S leg Phoenix). S—Min. enroute alt. W—4,000' (Yuma Range).	None	W	10 mi—3,000' S side W leg. 15 mi—3,000' S side W leg. 20 mi—4,000' S side W leg. 25 mi—4,000 S side W leg.	1,000'	100°	4.0	B S A T	700 --- 800 800	2.0 --- 2.0 1.0	700 --- 800 800	2.0 --- 2.0 1.0	If contact not estab. over range climb to 5,000' on E leg.
Grand Forks, N. Dak.. Grand Forks Arpt., el. 837'	N—2,100' (Pembina Range). E—Min. enroute alt. S—2,100' (Fargo Range). W—Min. enroute alt.	None	S	10 mi—2,000' E side S leg. 15 mi—2,000' E side S leg. 20 mi—2,000' E side S leg. 25 mi—2,000' E side S leg.	1,000'	205°	3.4	B S A T	600 600 800 800	1.0 1.0 2.0 1.0	600 600 800 800	1.0 1.0 2.0 1.0	Climb to 2,100' on N leg.
Humboldt, Nev.: CAA Int. Field, el. 4,150'.	NE—11,000' (Battle Mtn. Range). SE—Min. enroute alt SW—11,000' (NW leg Fallon). NW—Min. enroute alt.	SW leg to 10,000' within 25 mi.	NE	10 mi—9,000' S side NE leg. 15 mi—9,000' S side NE leg. 20 mi—11,000' S side NE leg. 25 mi—11,000 S side NE leg.	6,000'	223°	2.0	B S A T	1,000 --- 1,000 800	2.0 --- 2.0 1.0	1,000 --- 1,000 800	2.0 --- 2.0 1.0	Climb to 11,000' on SW leg.
Las Vegas, Nev.: Las Vegas Airport, el. 1,890'.	NE—9,000' (Enterprise Range). NE—7,000' (Crystal FM). SE—8,000' (N leg Needles SW—10,000' (Silver Lake Range). NW—Min. enroute alt.	To 7,000' on NE & SW legs within 20 mi.	SW	10 mi—5,000' S side SW leg. 15 mi—5,000' S side SW leg. 20 mi—7,000' S side SW leg. 25 mi—10,000' S side SW leg.	3,400'	31°	1.0	B S A T	1,000 --- 1,000 800	2.0 --- 2.0 2.0	1,000 --- 1,000 800	2.0 --- 2.0 2.0	Climb to 9,000' on NE leg.
Long Beach, Calif.. Long Beach Arpt., el. 48'.	NE—3,000' (E leg Los Angeles). NE—1,500' (La Habra FM). SE—4,000' (NW leg San Diego). SE—3,000' (S leg Santa Ana). SE—1,000' (Huntington Beach FM, final). SW—Min. enroute alt. NW—1,500' (Los Angeles Range).	None	SE	10 mi—1,000' W side SE leg. 15 mi—1,000' W side SE leg. 20 mi—2,000' W side SE leg. 25 mi—2,000' W side SE leg.	1,000'	223°	3.0	B S A T	600 600 1,000 800	2.0 1.0 3.0 1.0	600 600 1,000 800	2.0 1.0 3.0 1.0	Make left turn and fly 225° to S leg of Los Angeles (LF) rng. Proceed S on S leg of Los Angeles (LF) rng. climbing to and maintaining 2,000' to San Pedro Intsn. Climb to and hold 5,000' on SW leg of Long Beach rng between San Pedro intsn. and a point 10 mi SW.
Los Angeles, Calif.: Los Angeles Airport el. 101'.	N—4,000' (Burbank Range). E—5,000' (Riverside Range). E—3,000' (La Habra FM). E—1,000' (Downey FM, final). S—3,000' (SW eg Long Beach). W—Min. enroute alt.	None	E	10 mi—2,000' S side E leg. 15 mi—2,000' S side E leg. 20 mi—2,000' S side E leg. 25 mi—2,000' S side E leg.	1,000'	244°	3.0	B S A T	600 400 800 800	1.0 1.0 2.0 1.0	600 400 800 800	1.0 1.0 2.0 1.0	Climb to 2,000' on W leg. All approaches should be made via Downey FM.
Lucm, Utah: CAA Int. Field el. 4414'.	E—9,000' (Ogden Range) S—12,000' (E leg Wendover). W—13,000' (Elko Range) N—Min. enroute alt.	To 8,000' within 5 mi on E leg*	E	10 mi—8,000' S side E leg. 15 mi—8,000' S side E leg. 20 mi—8,000' S side E leg. 25 mi—8,000' S side E leg.	6,000'	100°	2.4	B S A T	2,000 --- 2,000 800	2.0 --- 2.0 1.0	2,000 --- 2,000 800	2.0 --- 2.0 1.0	If contact not estab at range climb to 9,000' on S leg within 15 mi. *Make shuttle turns on S side E leg.
Midland, Tex.: Midland AAF el. 2857'	NE—4,300' (Big Spring Range). SE—Min. enroute alt. SW—4,500' (SE leg Wink). NW—4,500' (W leg Big Spring).	None	SW	10 mi—4,100' S side SW leg. 15 mi—4,000' S side SW leg. 20 mi—4,000' S side SW leg. 25 mi—4,000' S side SW leg.	3,000'	43°	3.0	B S A T	1,000 --- 1,000 800	1.0 --- 3.0 1.0	1,000 --- 1,000 800	1.0 --- 3.0 1.0	Climb to 4,200' on NE leg 2,000' tank within arpt bndry. 3,000' tower on NE leg 10 mi out.
Milford, Utah: Milford Airport el. 5061'.	NE—12,000' Delta Range). SE—Min. enroute alt. SW—11,000' (SE leg Enterprise). NW—Min. enroute alt.	SW leg to 8,000' within 25 mi.	SW	10 mi—8,000' W side SW leg. 15 mi—8,000' W side SW leg. 20 mi—8,000' W side SW leg. 25 mi—8,000' W side SW leg.	6,100'	20°	1.0	B S A T	1,000 --- 1,000 800	4.0 --- 4.0 1.0	1,000 --- 1,000 800	4.0 --- 4.0 1.0	If not contact over range, turn left and climb to 8,000' on SW leg within 25 mi. High terrain E and W of Airport.
Needles, Calif.. Needles Airport el. 990'.	N—7,000' (SE leg Los Vegas). E—9,000' (Prescott Range). S—5,000' (Blytho Range). W—9,000' (Daggett Range).	To 5,000' on S leg within 25 mi.	N	10 mi—4,000' W side N leg. 10 mi—5,000 W side N leg. 20 mi—5,000' W side N leg. 25 mi—5,000' W side N leg.	2,000'	10°	2.2	B S A T	1,000 --- 1,000 1,000	2.0 --- 2.0 2.0	1,000 --- 1,000 1,000	3.0 --- 3.0 3.0	If not contact over range, turn left and climb to 7,000' on N leg.

Oklahoma State Libra

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr.	Station to arpt.		Ceiling and visibility minimums					If contact not estab. over arpt.; remarks
						Mag bear	Dist. (mi)		Day		Night		
									Ceil ft.	Vis mi.	Ceil ft	Vis mi.	
Oakland, Calif.: Oakland Mun. Airport, el. 5'.	NE—5,000' (Sacramento Range). NE—3,000' (Bay Point FM). SE—6,000' (NE leg Salinas). SE—3,500' (Evergreen FM). SE—500' (Newark FM, final). SW—3,000' (San Francisco Range). NW—3,000' (SW leg Fairfld-Suisum).	To 1,500' on SE leg within 15 mi. To 3,000' on NW leg within 20 mi. Turns on W side.	SE	10 mi—1,500' W side SE leg. 15 mi—1,500' W side SE leg. 20 mi—3,500' W side SE leg. 25 mi—3,500' W side SE leg.	500'	133°	0.2	R S A T	600 500 800 300	1.5 1.0 2.0 1.0	600 500 800 300	1.5 1.0 2.0 1.0	If contact not over range, climb to 3,000' on NW leg, within 25 mi. High terrain 3,849' MSL, 5 mi SE of NE leg, 17 mi out and 2,187' MSL 7 mi NE of SE leg, 13 mi out. 170' twr 0.4 mi NE of SE leg 3 mi out.
Palmdale, Calif.: Palmdale Airport, el. 2,549'.	NE—7,000' (N leg Daggett). SE—12,000' (NW leg Riverside). SW—9,600' (Newhall Range). NW—10,000' (NW leg Newhall).	To 5,000' on NE leg within 15 mi.	NE	10 mi—4,000' N side NE leg. 15 mi—5,000' N side NE leg. 20 mi—not authorized. 25 mi—not authorized.	3,500'	216°	2.5	R S A T	1,000 1,000 500	2.0 2.0 1.0	1,000 1,000 500	2.0 2.0 2.0	If not contact over range, make 180° left (N) turn and climb to 5,000' on NE leg within 15 mi. High terrain 5 mi SW of arpt.
Phoenix, Ariz.: Sky Harbor Airport, el. 1,115'.	N—10,000' (Prescott Range). E—Min. enroute alt. E—2,100' (Mesa FM) (Final). S—6,000' (E leg Gila Bend). W—5,200' (N leg Gila Bend). W—2,600' (Perryville FM).	To 2,600' on W leg between rng and Perryville FM.	E	10 mi—2,600' S side E leg. 15 mi—2,600' S side E leg. 20 mi—4,100' S side E leg. 25 mi—4,100' S side E leg.	2,100'	261°	1.9	R S A T	600 500 800 300	1.5 1.0 2.0 1.0	600 500 800 300	1.5 1.0 2.0 1.0	Climb to 5,200' on W leg Ctns 2,000' hills 5 mi S of arpt.
Portland, Maine: Portland Airport, el. 60'.	NE—1,500' (Augusta range). SE—1,500' (NE leg Gremer). SW—2,000' (NE leg Gremer). NW—Min. enroute alt.	None	NW	10 mi—1,500' W side NW leg. 15 mi—2,500' W side NW leg. 20 mi—2,500' W side NW leg. 25 mi—3,000' W side NW leg.	1,000'	142°	2.2	R S A T	500 500 1,000 300	1.5 1.0 3.0 1.0	500 500 1,000 300	1.5 1.5 3.0 1.0	Climb to 1,500' on SE leg.
Prescott, Ariz.: Ernest A. Love Airport, el. 5,042'.	E—10,000' (Winslow Range). SE—10,000' (Phoenix Range). W—9,000' (Needles Range). NW—Min. enroute alt.	None	NW	10 mi—7,000' E side NW leg. 15 mi—8,000' E side NW leg. 20 mi—8,000' E side NW leg. 25 mi—8,000' E side NW leg.	6,500'	142°	5.5	R S A T	1,500 1,500 1,000	2.0 2.0 2.0	1,500 1,500 1,000	2.0 2.0 2.0	If not contact over range, turn left and climb to 8,000' on NW leg within 25 mi.
Reno, Nev.: Hubbard Field, el. 4,404'.	N—Min. enroute alt. NE—9,500' (NW leg Fallon). S—Min. enroute alt. SW—12,000' (Donner Summit Range).	NE leg to 9,500' within 25 mi.	N	10 mi—8,500' E side N leg. 15 mi—8,500' E side N leg. 20 mi—8,500' E side N leg. 25 mi—8,500' E side N leg.	7,000'	161°	3.3	R S A T	2,500 2,500 1,000	3.0 3.0 3.0	2,500 2,500 1,000	3.0 3.0 3.0	Make immediate left turn and climb to 9,000' on N leg.
Riverside, Calif.: March Field, el. 1,535'.	N—11,500' (W leg Daggett). N—4,000' (Fontana FM) E—12,000' (S leg Daggett). E—10,000' (Banning FM). S—Min. enroute alt. S—4,000' (E leg Santa Ana). W—5,000' (Los Angeles Range).	None	W	10 mi—4,000' S side W leg. 15 mi—5,000' S side W leg. 20 mi—5,000' S side W leg. 25 mi—5,000' S side W leg.	4,000'	123°	2.9	R S A T	1,500 1,500 1,000	2.0 2.0 1.0	1,500 1,500 1,000	2.0 2.0 2.0	Make right turn and climb to 5,000' on W leg. 11,495' obst 13 mi N of E leg.
Sacramento, Calif.: Sacramento Airport el. 21'.	NE—10,000' (Donner Summit Range). NE—6,500' (Blue Canyon FM). NE—2,500' (Auburn FM). SE—1,200' (NE leg Stockton). SW—5,000' (Oakland Range). SW—1,100' (Bay Point FM). NW—2,000' (Williams Range).	None	SW	10 mi—1,100' E side SW leg. 15 mi—1,100' E side SW leg. 20 mi—1,100' E side SW leg. 25 mi—1,100' E side SW leg.	600'	22°	1.7	R S A T	600 500 800 300	1.5 1.0 2.0 1.0	600 500 800 300	1.5 1.0 2.0 1.0	Climb to 2,500' on NE leg within 20 mi.
Salt Lake City, Utah: Salt Lake City Airport No. 1, el. 4,222'.	N—10,700' Malad City Range). N—10,000' (Corrine FM) N—7,500' (Ogden Range) N—5,200' (Layton FM) E—14,500 (S leg Ft. Bridger). S—12,000' (E leg Fairfield). S—11,000' (Riverton FM). W—11,000' (Wendover Range).	None	N	10 mi—7,500' W side N leg. 15 mi—7,500 W side N leg. 18 mi—7,500' W side N leg. 25 mi—10,000' W side N leg.	5,000'	163°	2.9	R S A T	800 600 800 400	2.0 1.5 2.0 1.0	800 600 800 400	2.0 1.5 2.0 1.0	Immediately make right turn and climb to 11,000' on W leg. High terrain 8 mi E of N and S legs and W side S leg, also S of W leg 12 mi from range.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt. over range final appr	Station to apt.		Ceiling and visibility minimums					If contact not orieb. over apt., remarks
									Day		Night		
						Mag bear	Dist. (mi.)		Ceil ft.	Vis mi.	Ceil ft.	Vis mi	
Santa Barbara, Calif.. Santa Barbara Airport, el. 9'	N—On top not over 3,500'. E—On top no. over 3,500'. S—On top not over 3,500'. W—On top not over 3,500'.	None	W	10 mi—1,000' S side W leg. 15 mi—1,000' S side W leg. 20 mi—On top. 25 mi—On top.	700'	74°	2.0	R S A T	700 --- 800 800	2.0 --- 2.0 1.0	700 --- 800 800	2.0 --- 2.0 1.0	If not contact over range, turn right and climb to 3,500 on S leg. Initial approach must be on top not to exceed 3,500' 4,200' hills 6 mi N of W leg, 10 mi from range
Silver Lake, Calif.. CAA Int. Field, el. 919'	NE—10,000' (Las Vegas Range). SE—8,000' (E leg Daggett. SW—5,000' (Daggett Range). NW—Min. enroute alt.	None	NW	10 mi—5,000' E. side NW leg. 15 mi—7,000' E side NW leg. 20 mi—7,000 E side NW leg. 25 mi—7,000' E side NW leg.	4,000'	132°	1.0	R S A T	3,000 --- 3,000 2,000	3.0 --- 3.0 3.0	3,000 --- 3,000 2,000	3.0 --- 2.0 3.0	If not contact over range, climb to 8,000' on SE leg. High terrain immediately W of NW leg.
Stockton, Calif.: Stockton Airport, el. 28'.	E—2,000' (SE leg Sacramento). SE—2,000' (Fresno Range). W—5,000' (Oakland Range). NW—2000' (SW leg Sacramento).	None	SE	10 mi—1,000' E side SE leg. 15 mi—1,000' E side SE leg. 20 mi—1,000' E side SE. leg. 25 mi—1,000' E side SE leg.	800'	235°	3.1	R S A T	000 000 1,000 000	1.0 1.0 3.0 1.0	000 000 1,000 000	1.5 1.0 3.0 1.0	Climb to 2000' on NW leg.
Trinidad, Colo.: Trinidad Airport, el. 5,750'.	N—8000' (Pueblo Range). E—Min. enroute alt. S—11,000' (NE leg Las Vegas). W—Min. enroute alt.	None	N	10 mi—7,000' E side N leg. 15 mi—8,000' E side N leg. 20 mi—8,000' E side N leg. 25 mi—8,000' E side N leg	6,700'	176°	3.0	----	------	------	------	------	Immediately make 180° left turn and climb to 8,000' on N. leg. Abrupt rise in terrain 8 mi SSW of airpt., 9,000 terrain 12 mi SSW.
Waco, Tex.: Waco Mun. Airport, el. 513'.	N—2,000' (Dallas Range). SE—1,000' (Navasota Range). S—2,000' (Austin Range). NW—1,700' (S leg Ft. Worth).	None	S	10 mi—1,000' E side S leg. 15 mi—1,000' E side S leg. 20 mi—1,000' E side S leg. 25 mi—1,000' E side S leg.	1,400'	9°	2.0	R S A T	000 000 1,000 000	1.0 1.0 3.0 1.0	000 000 1,000 000	1.0 1.0 3.0 1.0	Climb to 1,000' on N leg.
Williams, Calif.. CAA Int. Field el. 137'	N—2,000' (Red Bluff Range). E—Min. enroute alt. S—4,000' (NW leg Fairfid Suisun). W—Min. enroute alt.	On N leg within 25 mi.	N	10 mi—1,000' W side N leg. 15 mi—1,000' W side N leg. 20 mi—1,000' W side N leg. 25 mi—1,000' W. side N leg.	700'	214°	2.0	R S A T	000 --- 000 000	1.0 --- 2.0 1.0	000 --- 000 000	1.0 --- 2.0 1.0	If not contact over range, climb to 4,000' on S leg.

Instrument Landing Systems Corrections

Brownsville, Tex. (International Airport): Correct final approach bearing to: 353° outbound, 173° inbound.

Fort Worth, Tex. (Meacham Field): Correct final approach bearing to: 353° outbound 173° inbound.

New Orleans, La. (Moisant International Airport):

(a) Correct final approach bearing to: 273° outbound, 93° inbound.

(b) Correct bearing from: Int. S leg New Orleans E leg ILS to: Outer marker to: 279°

Raleigh, N. C. (Raleigh-Durham Airport):

(a) Correct final approach bearing to: 223° outbound, 43° inbound.

(b) Correct bearing from Int. NE leg Raleigh & ND leg ILS to Outer marker to: 223°

(c) Correct bearing from Int. NW leg Raleigh & SW leg ILS to Outer marker to: 223°

St. Louis, Mo. (Lambert-St. Louis Airport): Correct final approach bearing to: 13° outbound, 223° inbound.

(b) *Instrument landing systems* * * *

Initial approach to ILS shall be made on following ranges	Transition to ILS					Final ILS app. leg: outbound; inbound	Procedure turn min on ILS	Min Alt. at glide path interception	Glide path alt over markers		Dist from M mrkr to app. end of rnwy.	Minimums			If not visual CTC at landing minimums climb to; remarks
	From—	To—	Mag. CRS (degs)	Dist. (mi)	Min. alt. (ft)				Outer	Middle			Ceil	Vis	
Buffalo N Y.: Buffalo Airport, el. 711′ (109 9).	SW Leg Buffalo	Se legILS .	52	0 0	2 000	52 NE	1 800′ N side NE leg	1 800	1 700	1,000	3 480 ft	R	500	1 5	Climb to 2 000′ on SW leg
	NE leg ,Buffalo.. ---- -- .	NE leg ILS.	232	0	2,000	232 NE						S	400	1 0	
Cincinnati, Ohio: Greater Cincinnati Airport el 800′ 109 9 mc)	Int NW leg Cincinnati & N leg ILS.	Outer marker	180	21 9	2,100	180° S 360 S	2 100 W side S leg (To be made at Union FN)	2,100	2,100	1,900	3,168 ft.	S	500	1.0	Climb to 2,100 on N leg to NW leg Cincinnati
	Union FM Cincinnati Range	Outer marker Int SW leg Cincinnati & S leg ILS.	360 227	4 1 24 3	2,100 2 200										
Dayton, Ohio: Dayton Air port el 1 007′ (110 3 mc)	Dayton Range Verona FM Int. S leg Dayton & SW leg ILS Int. E leg Dayton & SW leg ILS.	SW leg ILS.	200	3 5	2 200	235 SW 55 SW	2 200′ S side SW leg (To be made 2 min. SW outer marker)	2 200	2 100	1 307	3 480 ft	S	400	¾	Climb to 2,200′ on N leg Day ton to W leg Columbus
		SW leg ILS..	125	8 5	2,200										
		Outer Marker	55	1 0	2 200										
		Outer Marker	235	5 2	2 200										
Indianapolis, Ind : Indianapolis Airport el 796′ (109 9 mc)	Clayton FM Indianapolis Range Int. E leg Indianap olis & SW leg ILS Int. S leg Indianipolas & SW leg ILS.	SW leg ILS	105	7.8	1 900	224 SW 44 SW	1 000′ S side SW leg (To (To be made not less than 2 min. SW outer marker)	1,900	1,800	1,096	4,752 ft	S	400	¾	Climb to 2.400′ on E leg of Indianapolis to NW leg Cinncinati
		SW leg ILS.	193	2.6	1,900										
		Outer marker	224	5 0	1 900										
		Outer marker	224	1 1	1,900										
Knoxville Tenn.: McGhee-Tyson Airport, el 988′ (110.3 mc).	Knoxville Range	ILS localizer.	192	3.0	2 500	324° SW 44° SW	2 500 W side SW leg	2,500	1,850	1,288	0.61	R	500	1 5	Climb to 4,000 on W leg of Knoxville E of Kingston intersection.
	Int. NE leg Knoxville & NE leg ILS.	Outer marker	224	12.5	2,500							S	400	¾	
Philadelphia Pa : Phila. Southwest Airport el 10′ (109.0 mc)	Boothwyn FM Philadel phia Range	W leg ILS	85	0	1 500	265° W 85 W	1,500 S side W leg	1,500	1,275	310	3 500 ft	R	500	1 5	Climb to 1,600′ on NE leg Philadelphia Range
		W leg ILS	220	1 0	1 500							S	400	1 0	
San Antonio, Tex : (Alamo Range) San Antonio-Alamo Airport el 800′ (109 9 mc)	Alamo Range San Antonio (SBRAZ) Range	SW leg ILS	174	3 6	2 200	210° SW 30° SW	2 200′ W side SW leg	2 200	2,050	992	0.68	R	500	1 5	Climb to 2,500′ on N leg Alamo Range
		SW leg ILS	138	1 4	2 200							S	400	¾	
	Int. S leg Alamo & SE leg San Antonio.	SW leg ILS	318	13 5	2 200										
	Int. E leg Alamo & NE leg ILS.	Outer marker	210	8.8	2,200										
Washington, D. C.: Washington National Airport el 17′ (109 9 mc)	Washington Range . -----	S leg ILS	180	0	1,500	180° S 360° S	1,500′ E side S leg	1 500	1,000	417 (inner)	150 ft (inner marker)	R	500	1 5	Climb to 1,800 on NE leg of Washington Range
	Int. SE leg Arcola & S leg Washington	S leg ILS	60	4.8	1 500							S	400	1 25	

(52 Stat 973 984 985 986 54 Stat 1231 1233, 1234 1235; 49 U S C 401, 425 451 452, 456, 457, 458)

This amendment shall become effective upon publication in the FEDERAL REGISTER

[SEAL]

F. B. LEE
Acting Administrator

[F R Doc 47-10431; Filed Nov 28 1947; 8:51 a m]

[Amdt 2]

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURES

INSTRUMENT LANDING SYSTEMS

It appearing that the Administrator of Civil Aeronautics has been authorized under the Civil Aeronautics Act of 1938, as amended, and the Civil Air Regulations issued pursuant thereto to prescribe standard instrument approach procedures; that the procedures have been distributed to the public and interested persons have had ample opportunity to comment upon them; that in the public interest the procedures should be published without delay; and that compliance with the notice and procedure requirements of the Administrative Procedure Act would be impractical

Now therefore acting pursuant to the authority vested in me by sections 205, 301, 302 306, 307, and 308 of the Civil Aeronautics Act of 1938, as amended (52 Stat 973, 984, 985, 986; 54 Stat 1231 1233, 1234, 1235; 49 U. S. C. 401 425, 451, 452, 456, 457, 458) and §§ 42 37 and 60 306 of the Civil Air Regulations, and in accordance with the Administrative Procedure Act (Pub Law 404 79th Cong, Chapter 324 2d Sess.) I hereby amend Part 609 of the regulations of the Administrator as follows:

§ 609.3 *Directive* * * *

(b) *Instrument landing systems* * * *

Initial approach to ILS shall be made on following ranges	Transition to ILS					Final ILS app. leg: outbound; inbound	Procedure turn min on ILS	Min alt. at glide path intercepton	Glide path alt over markers		Dist. from M mrkr. to app. end of runway	Minimums			If not visual CTC at landing minimums climb to; remarks
	From—	To—	Mag. CRS (degs)	Dist. (mi)	Min alt. (ft)				Outer	Middle			Ceil.	Vis	
Austin, Tex: Robert Mueller Airport el 620' (109 0 mc)	Austin Range	NW leg ILS	At range		2 100	126° SE	2,100' E side SE leg	2,100	2,040'	920'	3,030'	R S	500 400	1 5 1 0	Climb to 2,500' on NW leg of Austin within 25 mi
	Int SE leg Austin and W leg Richmond.	SE leg ILS	287	22	2 100	305° SE									
Brownsville, Tex.: International Airport, el 22' (110 3 mc.).	Brownsville Range	N leg ILS	35	1 9	1 200	353° N	1 200' W side N leg	1 200'	1,120'	230'	0 60	R S	500 400	1 5 ¾	Climb to 1,200' on S leg Brownsville Range
	Los Fresnos FM	N leg ILS	126	1.5	1,200	173° N									
Detroit, Mich.: Willow Run Airport, el 715' (109 5 mc)	Saline FM	SW leg ILS	130	5 1	2 000	230° SW	2 000' S side SW leg (to be made 2 min SW outer marker)	2 000'	1 000	1,015'	3 422'	R S	500 400	1 5 1 5 1 0	Climb to 2,000 on NE leg ILS on N leg Romulus Range
	Int. N leg Romulus and NE leg ILS	Outer marker	220	13 4	2 000	50° SW									
	Romulus Range	SW leg ILS	201	9 1	2 000										
	Int N leg Toledo and SW leg Windsor.	SW leg ILS	302	10 0	2,000										
Houston, Tex: Houston Airport, el 50' (109 0 mc)	Houston Range	SW leg ILS	309	2.4	1 200	215° SW	1,200 S side SW leg	1,200	1,150	350'	0 60	R S	500 400	1 5 1 0	Climb to 1,500' on NE leg ILS
	Houston FM	SW leg ILS	129	3 0	1,500	35° SW									
	Arcola FM	SW leg ILS.	38	8 0	1 200										
Moline, Ill.: Moline Airport, el 590' 110 3 mc.)	Moline Range	NW leg ILS	174	1.75	2 100	311° NW	2,100 W side NW leg	2 100'	1,980'	700'	3 720	R S	500 400	1 5 1 0	Climb to 2,100' making right turn to 270° to S leg Moline Range
	Int. W leg Moline and NW leg ILS.	Outer Marker	131	7 5	2 100	131° NW									
Newark, N. J.: Newark Airport, el 18' (110 3 mc.)	Newark Range	SW leg ILS	228	0	1,400	233° SW	1,400' S side SW leg	1,400	980'	220'	3 200	R S	500 400	1 5 ¾	Climb to 1 600' on NE leg ILS, turn left, climbing to 3,000' on NW leg Newark.
	Int SE leg Allentown & SW leg Newark.	SW leg ILS	53	0	1,400	53° SW									
New York, N. Y.: LaGuardia Field, el 16' (109 0 m)	LaGuardia Range	NE leg ILS	221	0	1,000	221° SW	1,000 S side SW leg	1,000'	1,020'	200'	4,283'	R S	500 400	1 5 ¾	Climb to 1,000' on NE leg ILS
	Int. SW leg LaGuardia & NW leg Floyd Bennett	NE leg ILS	44	0	1,000	41° SW									
Tulsa, Okla.: Tulsa Airport, el 674' (110 3 mc.)	Tulsa Range.	S leg ILS.	223	1.3	2,200	174° S	2,200 E side S leg	2,200	1,020'	974'	0 63	R S	500 400	1 5 1 0	Climb to 2,200' on NW leg Tulsa Range
	Skiatook FM.	N leg ILS	118	15	2,200	324° S									
	Red Fork FM	Outer marker	73	9 7	2,200										
	Verdigris River FM	Outer marker	211	15 0	2,200										

(52 Stat 973, 984, 985, 986, 54 Stat 1231, 1233, 1234, 1235; 49 U S C 401, 425, 451, 452, 456, 457, 458)

This amendment shall become effective upon publication in the FEDERAL REGISTER

[SEAL]

F. B. LEE
Acting Administrator

[F R Doc 47-10432; Filed Nov 28 1947; 8:55 a m]

[Amdt. 3]

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURES

LOW FREQUENCY RANGES

It appearing that the Administrator of Civil Aeronautics has been authorized under the Civil Aeronautics Act of 1938, as amended, and the Civil Air Regulations issued pursuant thereto, to prescribe standard instrument approach procedures; that the procedures have been distributed to the public and interested persons have had ample opportunity to comment upon them; that in the public interest the procedures should be published without delay and that compliance with the notice and procedure requirements of the Administrative Procedure Act would be impractical.

Now therefore, acting pursuant to the authority vested in me by sections 205, 301, 302, 306, 307, and 308 of the Civil Aeronautics Act of 1938, as amended (52 Stat. 973, 984, 985, 986; 52 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458) and §§ 42.37 and 60.306 of the Civil Air Regulations, and in accordance with the Administrative Procedure Act (Pub. Law 404, 79th Cong., Chapter 324, 2d Sess.) I hereby amend Part 609 of the regulations of the Administrator as follows:

§ 609.3 *Directive.* * * *

(a) *Low frequency ranges.* * * *

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt over range final appr	Station to arpt.		Ceiling and visibility minimums					If contact not estab. over arpt.; remarks
									Day		Night		
						Mag bear	Dist (mi.)		Ceil ft	Vis mi	Ceil ft.	Vis mi	
Abilene, Tex.. Abilene Air Terminal, el. 1,758'	N-Min. enroute alt. N—2,500' (Phantom Hill FM, final) E—4,000' (Ft. Worth Range). S—Min. enroute alt. W—4,000' (Big Spring Range).	None	N	10 mi.—3,000' W side N leg. 15 mi.—3,000' W side N leg. 20 mi.—3,000' W side N leg. 25 mi.—3,000' W side N leg.	2,500'	180°	2.2	R S A T	500 500 1000 300	1.5 1.0 3.0 1.0	500 500 1000 300	2.0 1.0 3.0 1.0	Climb to 4,000' within 25 mi. on S leg.
Alexandria, Minn.. Alexandria Airport, el. 1,423'.	N—Min. enroute alt. SE—2,600' (Minneapolis Range). S—Min. enroute alt. NW—2,800' (Fargo Range).	None	N	10 mi.—2,700' W side N leg. 15 mi.—2,800' W side N leg. 20 mi.—2,800' W side N leg. 25 mi.—2,800' W side N leg.	2,200'	186°	2.0	R S A T	700 700 800 300	1.5 1.0 2.0 1.0	700 700 800 300	1.5 1.0 2.0 1.0	Climb to 2,800' on S leg within 25 mi.
Austin, Tex.: Robert Mueller Airport, el. 620'	NE—2,000' (SE leg Waco). SE—2,100' (E leg San Marcos). SW—2,500' (N leg San Antonio-Kelly). SW—2,100' (N leg San Marcos). NW—2,300' (N leg San Antonio-Kelly).	None	NW	10 mi.—2,100' W side NW leg. 15 mi.—2,300' W side NW leg. 20 mi.—2,300' W side NW leg. 25 mi.—2,300' W side NW leg.	1,500'	117°	1.8	R S A T	500 ---- 1,000 300	1.5 ---- 3.0 1.0	300 ---- 1,000 300	1.5 ---- 3.0 1.0	Climb to 2,100' on SE leg.
Bismarck, N. Dak.: Bismarck Airport, el. 1,653'	N—3,400' (SE leg Minot). E—3,400' (Jamestown Range). S—Min. enroute alt. W—3,800' (Dickinson Range). W—3,300' (Judson FM).	None	E	10 mi.—3,400'* S side E leg. 15 mi.—3,400' S side E leg. 20 mi.—3,400' S side E leg. 25 mi.—3,400' S side E leg.	2,500'	260°	2.3	R S A T	500 ---- 800 300	1.5 ---- 2.0 1.0	500 ---- 800 300	1.5 ---- 2.0 1.0	Climb to 3,800' on W leg. 2,408' MSL radio twr 6 mi. E, 4 mi. N of rng. *All turns will be made on S side of leg.
Columbus, Ohio: Port Columbus NAS, el. 817:													
Procedure No. 1	NE—2,500' (W leg Cleveland). NE—2,300' (Mt. Liberty FM). E—2,600' (Pittsburgh Range). E—2,300' (Newark FM). S—2,500' (NW leg Huntington). W—2,300' (N leg Patterson). W—1,800' (Hilliard FM, final).	None	W	10 mi.—2,300' S side W leg. 15 mi.—2,500' S side W leg. 20 mi.—2,500' S side W leg. 25 mi.—2,500' S side W leg.	1,800'	84°	1.9	R S A T	500 500 800 300	1.5 1.0 2.0 1.0	500 500 800 300	1.5 1.0 2.0 1.0	Climb to 2,600' on E leg.
Procedure No. 2	NE—2,500' (W leg Cleveland). NE—2,300' (Mt. Libberty FM). E—2,600' (Pittsburgh Range). E—1,600' (Newark FM, final). S—2,500' (NW leg Huntington). W—2,300' (N leg Patterson). W—1,800' (Hilliard FM).	None	E	10 mi.—2,000' N side E leg. 15 mi.—2,000' N side E leg. 20 mi.—2,000' N side E leg. 25 mi.—2,000' N side E leg.	1,600' over Summit Sta. LFM	266° From Summit Sta. LFM	3.0	R S A T	500 ---- 800 300	1.5 ---- 2.0 1.0	500 ---- 800 300	1.5 ---- 2.0 1.0	Climb to 2,300' on W leg.
Delta, Utah: Delta Airport, el. 4,755'.	NE—12,000' (Fairfield Range). SE—Min. enroute alt. SW—11,000' (Milford Range). NW—Min. enroute alt.	None	SW	10 mi.—7,000' W side SW leg. 15 mi.—7,000' W side SW leg. 20 mi.—8,000' W side SW leg. 25 mi.—8,000' W side SW leg.	5,800'	7°	3.6	R S A T	800 ---- 800 500	2.0 ---- 2.0 1.0	800 ---- 800 500	2.0 ---- 2.0 2.0	Climb to 12,000' on NE leg.
Fargo, N. Dak.. Fargo-Hector Field, el. 899'.													
Procedure No. 1	N—2,100' (Grand Forks Range). E—Min. enroute alt. SE—2,800' (Alexandria Range). SE-2,300' (Barnesville FM). W—2,600' (Jamestown Range).	None	E	10 mi.—2,100' N side E leg. 15 mi.—2,200' N side E leg. 20 mi.—2,300' N side E leg. 25 mi.—2,400' N side E leg.	1,600'	263°	0.9	R S A T	500 ---- 800 300	1.5 ---- 2.0 1.0	500 ---- 800 300	1.5 ---- 2.0 1.0	Climb to 2,600' on W leg.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr leg	Procedure turn min. at distances from radio range station	Min alt. over range final appr	Station to arpt.		Ceiling and visibility minimums					If contact not estab. over arpt., remarks
						Mag bear	Dist (mi)		Day		Night		
									Ceil ft	Vis mi	Ceil ft	Vis mi	
Fargo, N. Dak.: Fargo-Hector Field, el. 899'—Continued.													
Procedure No. 1—Continued	W—2,200' (Wheatland FM).												
Procedure No. 2	N—2,100' (Grand Forks Range). E—Min. enroute alt. SE—2,800' (Alexandria Range). SE—2,300' (Barnesville FM). W—2,000' (Jamestown Range). W—1,700' (Wheatland FM final).	None	W	10 mi.—2,000' S side W leg. 15 mi.—2,000' S side W leg. 20 mi.—2,000' S side W leg. 25 mi.—2,000' S side W leg.	1,700' (over West Fargo LFM)	83° (from West Fargo LFM)	3.0	R S A T	500 500 800 800	1.0 1.0 2.0 1.0	500 500 800 800	1.0 1.0 2.0 1.0	Climb to 2,000' on E leg.
Glenview, Ill.: Glenview NAS, el. 654'.	NE-Min. enroute alt. SE-2,300' (NE leg Chicago). SW-2,500' (SE leg Rockford). NW-Min. enroute alt.	None	NW	10 mi.—1,000' N side NW leg. 15 mi.—2,000' N side NW leg. 20 mi.—2,000' N side NW leg. 25 mi.—2,000' N side NW leg.	1,400'	145°	3.0	R S A T	500 500 1,000 800	1.0 1.0 3.0 1.0	500 500 1,000 800	1.0 1.0 3.0 1.0	Make left turn and climb to 2,000' on NW leg within 25 mi.
Grand Island, Nebr.: Grand Island AAF, el. 1,846'.	N—Min. enroute alt. E—3,000' (N leg Lincoln). S—Min. enroute alt. W—4,000' (S leg North Platte).	None	N	10 mi.—3,000' W side N leg. 15 mi.—3,000' W side N leg. 20 mi.—3,000' W side N leg. 25 mi.—3,000' W side N leg.	2,400'	135°	1.0	R S A T	500 1,000 800	1.0 3.0 1.0	500 1,000 800	1.0 3.0 1.0	Climb to 3,000' on S leg within 25 mi.
Kansas City, Mo.: Kansas City Airport, el. 739'.	NE—2,500' (Kirksville Range). NE—2,100' (Excelsior Springs FM). SE—2,500' (N leg Joplin) SW—2,500' (S leg St. Joseph). NW—2,500' (St. Joseph Range). NW—1,600' (Linkville FM final).	None	NW	10 mi.—2,000' E side NW leg. 15 mi.—2,000' E side NW leg. 20 mi.—2,000' E side NW leg. 25 mi.—2,000' E side NW leg.	1,000'	145°	2.0	R S A T	700 500 1,000 800	1.0 1.0 3.0 1.0	700 500 1,000 800	1.0 1.0 3.0 1.0	Immediately make right turn and climb to 2,000' on SW leg. Ctn: SE leg is over Kansas City, 1,500' obst in city, adhere strictly to procedure.
Fairfax Field, El. 742'.	NE—2,500' (Kirksville Range). NE—2,100' (Excelsior Springs FM). SE—2,500' (N leg Joplin) SW—2,500' (S leg St. Joseph). NW—2,500' (St. Joseph Range). NW—1,600' (Linkville FM, final).	None	NW	10 mi.—2,000' E side NW leg. 15 mi.—2,000' E side NW leg. 20 mi.—2,000' E side NW leg. 25 mi.—2,000' E side NW leg.	1,000'	145°	0.8	R S A T	700 1,000 800	1.0 3.0 1.0	700 1,000 800	1.0 3.0 1.0	Immediately make right turn and climb to 2,000' on SW leg. Ctn: SE leg is over Kansas City, 1,500' obst in city, adhere strictly to procedure.
Knoxville, Tenn.: McGhee-Tyson Airport el. 988'.	NE—4,500' (Tri-City Range). NE—4,000' (Piedmont FM). S—Min. enroute alt. S—4,500' (Tallassee FM). W—4,500' (Smithville Range). W—3,000' (Kingston FM). N—Min. enroute alt.	None	N	10 mi.—3,000' E side N leg. 15 mi.—3,000' E side N leg. 20 mi.—3,000' E side N leg. 25 mi.—3,000' E side N leg.	2,000'	102°	2.8	R S A T	500 500 800 800	1.0 1.0 2.0 1.0	500 500 800 800	1.0 1.0 2.0 1.0	Climb to 4,000' on W leg.
Madison, Wis.: Truax Field, el. 859'.	NE—Min. enroute alt. E—2,200' (NW leg Chicago and W leg Milwaukee). SE—Min. enroute alt. SW—2,400' (NW leg Rockford). W—2,800' (Lone Rock Range). NW—Min. enroute alt.	None	SE	10 mi.—2,000' E side SE leg. 15 mi.—2,000' E side SE leg. 20 mi.—2,100' E side SE leg. 25 mi.—2,100' E side SE leg.	1,700'	314°	2.0	R S A T	500 500 1,000 800	1.0 1.0 3.0 1.0	500 500 1,000 800	1.0 1.0 3.0 1.0	Climb to 2,700' on NW leg within 25 mi.
Milwaukee, Wis.: General Mitchell Airport, el. 676'.	N—Min. enroute alt. E—1,900' (Muskegon Range). S—2,000' (NW leg Chicago). S—1,300' (Kenosha FM, final). W—2,500' (Madison Range). W—2,300' (Genessee FM).	None	S	10 mi.—1,800' E side S leg. 15 mi.—1,800' E side S leg. 20 mi.—1,800' E side S leg. 25 mi.—1,800' E side S leg.	1,000'	022°	2.0	R S A T	500 500 1,000 800	1.0 1.0 3.0 1.0	500 500 1,000 800	1.0 1.0 3.0 1.0	Climb to 2,000' on N leg within 25 mi.
Moline, Ill.: Moline Airport, el. 590'.	N—Min. enroute alt. E—2,100' (N leg Peoria). S—2,100' (NE leg Burlington). W—2,000' (N leg Burlington). (After crossing Moline cone, turn to S leg of range to intersect W leg of low powered rng. Turn W along W leg of low powered rng for start of let-down).	None	W (low powered rng).	10 mi.—1,000' S side W leg of low powered rng. 15 mi.—1,000' S side W leg of low powered rng. 20 mi.—1,000' S side W leg of low powered rng. 25 mi.—2,000' S side W leg of low powered rng.	1,400'	83°	2.2	R S A T	500 500 800 800	1.0 1.0 2.0 1.0	500 500 800 800	2.0 2.0 2.0 1.0	Climb to 2,000' on E leg of low powered range which operates on request only.

Station	Min. initial appr. alt. from the direction and radio fix indicated	Shuttle	Final appr. leg	Procedure turn min. at distances from radio range station	Min. alt. over range final appr.	Station to arpt.		Min. let-down alt. over arpt.	Vsby. min. (mi.)		If contact not estab. over arpt., remarks
						Mag. bear.	Dist. (mi.)		D	N	
Annette Island: Annette Island Airport.	S-2,800′ (NE leg Massett). NW-4,700′ (Petersburg Range).			15 mi.-2,800 W side S leg. 20 mi.-2,800′ W side S U leg. 25 mi.-2,800′ W side S leg.							If not contact over range, turn left, climb to 2,800′ on S leg.
Big Delta: Big Delta Airport.				10 mi.-2,800′ W side NW leg. 15 mi.-2,800′ W side NW leg. 20 mi.-2,800′ W side NW leg. 25 mi.-4,100′ W side NW leg.							
Cordova: Cordova Airport		SW on Cordova (low pwr. range).		S side of SW leg Cordova (Low powered range at 1,000′).		See Remarks.		See Remarks.			Let down from Cordova Range to intersection of E leg Cordova Range and SW leg Cordova (low powered range). Turn right at intersection and make procedure turn on S side, SW leg Cordova (low powered range). If not contact 6 miles after passing E leg Cordova on final approach, make pull-up by turning right and climbing out SW leg Cordova (low powered range) to 1,600′.
Farewell: Farewell Airport		NW leg to 4,500′ (All turns to N).				See Remarks.		See Remarks.			If not contact 10 mi. NW of Range, turn left and climb to 4,500′ on NW leg. Mountainous terrain 3 mi. SE of Airport.
Galena: Galena Airport		W leg to 2,200′ within 15 mi.		10 mi.-2,200′ S side E leg.							
Gustavus: Gustavus Airport.				15 mi.-2,700′ S side NW leg. 20 mi.-4,400′ S side NW leg. 25 mi.-4,700′ S side NW leg.							Climb to 6,000′ on SE leg.
Iliamna: Iliamna Airport	SE-5,000′ (W leg Homer).										
Minchumina: Minchumina Airport.											If not contact over range, turn left and climb to 5,800′ on SW leg.
Moses Point: Moses Point Airport.		E leg to 3,000′ (All turns to S).				See Remarks.		See Remarks.			If not contact 10 mi. E of Range Stn., make climbing turn to left and climb to 3,100′ on S leg.
Naknek: Naknek Airport											Climb to 1,500′ on NW leg.
Nome: Mark AAF	NE-5,000′ (Kotzebue H Fac).										
Port Heiden: Port Heiden Airport.	SW-9,900′ (Randall Range).										
Randall: Randall AAF	W-7,700′ (NE leg North Shore).										Make climbing turn to left, cross NE leg, and proceed out N leg climbing to 6,900′ All maneuvering restricted to N and E of Airport.
Skwentna: Skwentna Airport.	E-6,800′ (N leg Anchorage). W-10,700′ (Farewell Range).	E leg within 10 mi.	E	10 mi.-1,500′ N side E leg.							If not contact at range, turn left and climb to 6,800′ on E leg.
Unalakleet: Unalakleet Airport						See Remarks.		See Remarks.			If not contact 10 mi. W of Range Stn., turn to right and climb to 1,800′ on W leg.

(52 Stat. 973, 984, 985, 986, 54 Stat. 1231, 1233, 1234, 1235; 49 U. S. C. 401, 425, 451, 452, 456, 457, 458)

This amendment shall become effective upon publication in the FEDERAL REGISTER.

[SEAL] F. B. LEE,
Acting Administrator.

[F. R. Doc. 47-10433; Filed, Nov. 28, 1947; 8:59 a. m.]

TITLE 15—COMMERCE

Chapter II—National Bureau of Standards, Department of Commerce

PART 200—TEST FEE SCHEDULES

LABORATORY, CLINICAL AND INDUSTRIAL THERMOMETERS

In accordance with the provisions of sections 4 (a) and (c) of the Administrative Procedure Act, it has been found that notice and hearing on this schedule of fees are unnecessary for the reason that such procedure would, because of the nature of these rules, serve no useful purpose.

These rules shall be effective upon the date of publication in the FEDERAL REGISTER.

1. Section 200.311 *Laboratory thermometers* (15 CFR, Part 200) is hereby amended by changing the number to 200.301, and to read as follows:

§ 200.301 *Laboratory thermometers.*

Item	Description	Fee
301a	Thermometers, testing at points from 0° to 100° C., inclusive, or from 32° to 212° F., inclusive, for each point tested.	$1.50
301b	Thermometers, testing at points from 101° to 300° C., inclusive, or from 213° to 600° F., inclusive, for each point tested	2.25
301c	Thermometers, testing at points above 300° C. or 600° F., for each point tested.	$5.00
301d	Thermometers, testing at points from −1° to 40° C., inclusive, or from 31° to −40° F., inclusive, for each point tested	5.00
301e	Thermometers, testing at points from −41° to −70° C., inclusive, or from −41° to −94° F., inclusive, for each point tested	4.00
301f	Thermometers, testing at points from −71° to −140° C., inclusive, or from 95° to −220° F., inclusive, for each point tested	5.00
301g	Thermometers, testing in liquid air (−188° to −191° C.)	5.00
301h	Calorimetric thermometers, testing at intervals of 2° C. or 5° F	15.00
301i	Beckmann thermometers, with 5° or 60° C. scale, testing at 1° intervals by comparison with precision standards. Items (b) and (i) apply particularly to the types of thermometers listed in table 5 of Circular No. 8.	18.00
301m	When instruments submitted are found by preliminary tests to be unsuitable for test, a charge will be made to cover the cost of the preliminary work, minimum fee	1.00

Item	Description	Fee
301x	Copies of certificates or reports previously issued or reissue of certificates or reports returned, each	$1.00
301y	Minimum fee on any test or transaction	1.00
301z	If a test, not covered by any schedule item, is undertaken, it will be subject to a special fee depending upon the nature and cost of the test	------

2. Section 200.312 *Clinical thermometers* (15 CFR, Part 200) is hereby amended to read as follows:

§ 200.312 *Clinical thermometers.*[1]

Item	Description	Fee
312a	For any number of thermometers tested, not exceeding ten, total fee	$1.00
312b	For any number of thermometers greater than ten, for each thermometer tested	.15
312z	If thermometers submitted are of a form such that they cannot be tested in the usual manner, a fee will be charged depending upon the cost of making the test. NOTE: Clinical thermometers marked "Government Tested" or its equivalent will not be accepted for test.	------

3. Section 200.313 *Certain types of industrial thermometers* (15 CFR, Part 200) is amended to read as follows:

§ 200.313 *Certain types of industrial thermometers.*[1]

Item	Description	Fee
313a	Industrial thermometers, testing at points in the interval 0° to 100° C. (32° to 212° F.), for each point tested, or minimum fee for each thermometer submitted	$3.00
313b	Industrial thermometers, testing at points above 100° C. and up to 300° C. or above 212° F. and up to 600° F., for each point tested. (Thermometers will not be tested at less than 2 points nor more than 5 points on the scale.)	4.00
313z	If a test, not covered by the above schedule items is undertaken, it will be subject to a special fee depending upon the nature and cost of the test	------

(Sec. 312, 47 Stat. 410; 15 U. S. C. 276)

[SEAL] E. U. CONDON,
Director
National Bureau of Standards.

Approved:

WILLIAM C. FOSTER,
Acting Secretary of Commerce.

[F. R. Doc. 47-10711; Filed, Dec. 4, 1947; 8:50 a. m.]

[1] For the present, thermometers having a depth of immersion of not less than six inches above the top of the bulb and not more than twenty-four inches immersion will be accepted for test. The test will be made in an oil bath of the type now in use in the laboratory. Tests are limited to the types of thermometers specified because it is considered reasonably certain, if the immersion is as much as 6 inches, that the indications will be sensibly the same under the conditions of test and of use. The limit of 24 inches is determined by the equipment now available.

TITLE 21—FOOD AND DRUGS

Chapter I—Food and Drug Administration, Federal Security Agency

PART 141—TESTS AND METHODS OF ASSAY FOR ANTIBIOTIC DRUGS

PART 146—CERTIFICATION OF BATCHES OF PENICILLIN- OR STREPTOMYCIN-CONTAINING DRUGS

MISCELLANEOUS AMENDMENTS

By virtue of the authority vested in the Federal Security Administrator by the provisions of section 507 of the Federal Food, Drug, and Cosmetic Act (52 Stat. 1040, 1055, as amended by 59 Stat. 463 and Public Law 16, 80th Cong., 1st. Sess., 21 U. S. C., Sup. 357) the regulations for tests and methods of assay of antibiotic drugs (12 F. R. 2215) and certification of batches of penicillin- or streptomycin-containing drugs (12 F. R. 2231) as amended, are hereby further amended as indicated below:

1. Part 141 is amended by adding the following new section:

§ 141.23 *Crystalline penicillin and epinephrine in oil*—(a) *Potency.* Proceed as directed in § 141.7 (a) except the provision for warming the sample. When examined by the method described in this section the potency of crystalline penicillin and epinephrine in oil is satisfactory if it is 90% or more of the potency represented.

(b) *Sterility.* Proceed as directed in § 141.7 (b) except the provision for warming the sample.

(c) *Moisture*—(1) *Reagents*—(i) *Karl Fischer reagent.* Pass sulfur dioxide into 500 grams of pyridine C. P. until 101 grams of sulfur dioxide have been absorbed. Add to the above solution, 777 grams of absolute methanol C. P. Cool the mixture in an ice bath and carefully add 197 grams of iodine C. P. at such a rate so that the temperature of the solution does not rise above +35° C. Preserve the reagent in glass stoppered bottles and use from an all glass automatic burette protecting the solution from the moisture in the air.

(ii) *Standard water methanol solution.* Add approximately one gram of water, accurately weighed, to anhydrous methanol and make to one liter with anhydrous methanol. Store the solution in a glass bottle attached to an automatic burette and protect from moisture in the air at all times.

Add a known volume of the Karl Fischer reagent to a suitable titrating vessel which has been previously dried at 105° C. and cooled in a desiccator. Introduce a mechanical stirrer and two platinum electrodes which are connected to a suitable electrometric apparatus for measurement of the endpoint. Start the stirrer and titrate with the standard water methanol solution until the endpoint is reached. Calculate the grams of water equivalent to 1 ml. of the Karl Fischer reagent. Standardize the Karl Fischer reagent in this manner daily.

(2) *Procedure.* Transfer 2.0 ml. of the Crystalline Penicillin and Epinephrine in Oil to a dry titrating vessel by means of an accurately calibrated hypodermic syringe, add an excess of the Karl Fischer reagent and back titrate with the standard water methanol solution as above.

$$\text{Percent moisture} = \frac{\text{ml. Karl Fischer reagent consumed} \times \text{its water equivalent in Gms/ml.} \times 100}{2}$$

(d) *Epinephrine content*—(1) *Standard curve.* Prepare a stock standard containing 20 mg. of U. S. P. epinephrine reference standard in 100 ml. of phosphate buffer at pH 4.0. This buffer is prepared by adjusting 1% phosphate buffer pH 6.0 with 1:100 phosphoric acid (ortho 85%) to pH 4.0. The stock standard is stored in the refrigerator and may be used as long as it remains colorless. Transfer 1.0, 2.0, 3.0, 4.0, and 5.0 ml. of the standard to each of five 100 ml. volumetric flasks using transfer pipettes. Add 4.0, 3.0, 2.0, and 1.0 ml. of the phosphate buffer pH 4.0 to the first four flasks respectively to give each a total volume of 5 ml. Add 1.0 ml. of 0.1 N iodine to each flask, shake for one minute, add 2.0 ml. of 0.1 N sodium thiosulfate and mix the solution. Make each flash to a volume of 100 ml. with distilled water. Read the percent light transmission of the colored solutions using a 2.0 cm. cell and a 490 μ filter in a suitable photoelectric colorimeter. The instrument is balanced so that the 0.2 mg./100 ml. concentration reads 90% light transmission. Prepare a standard curve on semilog paper, plotting the percent light transmission on the logarithmic ordinate scale and the concentration on the abscissa.

(2) *Procedure.* Transfer 1.0 ml. of the sample with the aid of a hypodermic syringe and needle to a screw cap test tube (about 20 ml. capacity) add 5.0 ml. of U. S. P. chloroform and 10.0 ml. of 1% phosphate buffer pH 6.0 from a transfer pipette. Shake thoroughly for one minute, centrifuge to separate the layers and carefully withdraw a 5.0 ml. aliquot of the buffer layer using a transfer pipette. Transfer the aliquot to a 50 ml. volumetric flask, add the calculated amount of 1:100 phosphoric acid to bring the pH to 4.0 (amount to be added previously determined by titration of the 1% phosphate buffer pH 6.0 with 1:100 phosphoric acid using a pH meter). Add 1.0 ml. of 0.1 N iodine, shake for one minute, add 2.0 ml. of 0.1 N sodium thiosulfate and mix the solution. Make to a volume of 50 ml. with distilled water. Set the colorimeter at 90% light transmission for the 0.2 mg./100 ml. standard as directed above and obtain the percent light transmission of the sample. The concentration obtained directly from the standard curve corresponding to the percent light transmission of the sample x 1.05 equals the concentration of the epinephrine per ml. of the sample. Crystalline penicillin and epinephrine in oil is satisfactory if it contains not less than 0.24 or more than 0.36 mg. epinephrine per ml.

2. Part 146 is amended by adding the following new section:

§ 146.41 *Crystalline penicillin and epinephrine in oil*—(a) *Standards of identity, strength, quality, and purity.* Crystalline penicillin and epinephrine in oil is a suspension of crystalline penicillin and epinephrine in a menstruum of refined peanut oil or sesame oil. Each milliliter has a potency of 300,000 units and contains 0.3 milligrams of epinephrine. Its moisture content is not more than 0.2 percent. It is sterile. The penicillin used conforms to the requirements of § 146.24 (a) for crystalline penicillin except subparagraph (7) of § 146.24 (a) The epinephrine, peanut oil and sesame oil used conform to the standards prescribed therefor by the U. S. P

(b) *Packaging.* The immediate container of crystalline penicillin and epinephrine in oil shall be of colorless transparent glass so closed as to be a tight container as defined by the U. S. P., shall be sterile at the time of filling and closing, shall be so sealed that its contents cannot be used without destroying such seal, and shall be of such composition as will not cause any change in the strength, quality, or purity of the contents beyond any limit therefor in applicable standards, except that minor changes so caused which are normal and unavoidable in good packaging, storage, and distribution practice shall be disregarded. The quality of crystalline penicillin and epinephrine in oil in each such container shall be not less than one milliliter and not more than 20 milliliters unless it is packaged for repacking. Unless it is packaged for repacking each container shall be filled with a volume of crystalline penicillin and epinephrine in oil in excess of that designated, which excess shall be sufficient to permit the withdrawal and the administration of the volume indicated whether administered in either single or multiple doses.

(c) *Labeling.* Each package of crystalline penicillin and epinephrine in oil shall bear, on its label or labeling as hereinafter indicated, the following:

(1) On the outside wrapper or container and the immediate container of the package:

(i) The batch mark;

(ii) The number of units per milliliter of the batch;

(iii) The quantity of epinephrine per milliliter of the batch;

(iv) The statement "Expiration date -------," the blank being filled in with the date which is 18 months after the month during which the batch was certified; and

(v) The statements "For intramuscular use only" and "Shake Well"

(2) On the circular or other labeling within or attached to the package, adequate directions for use and warnings as required by section 502 (f) of the act, including:

(i) Clinical indications:

(ii) Dosage and administration, including site of injection;

(iii) Contraindications; and

(iv) Untoward effects that may accompany administration, including sensitization.

(d) *Requests for certification, samples.* (1) In addition to complying with the requirements of § 146.2, a person who requests certification of a batch of crystalline penicillin and epinephrine in oil shall submit with his request a statement showing the batch mark, the number of packages of each size in such batch, the batch mark and (unless it was previously submitted) the date on which the latest assay of the penicillin used in making such batch was completed, the number of units in each of such packages, the quantity of each ingredient used in making the batch, the date on which the latest assay of the drug comprising such batch was completed, and that the epinephrine, peanut oil or sesame oil used in making such batch conform to the requirements prescribed therefor by this section.

(2) Except as otherwise provided by subparagraph (4) of this paragraph, such person shall submit in connection with his request results of the tests and assays listed after each of the following, made by him on an accurately representative sample of:

(i) The batch; potency, sterility, moisture and epinephrine content;

(ii) The penicillin used in making the batch; potency, sterility, toxicity, pyrogens, moisture, pH, penicillin K content (unless it is crystalline penicillin G) crystallinity, heat stability and the penicillin G content if it is crystalline penicillin G.

(3) Except as otherwise provided by subparagraph (4) of this paragraph, such person shall submit in connection with his request, in the quantities hereinafter indicated, accurately representative samples of the following:

(i) The batch; one package for each 500 packages in the batch, but in no case less than 5 packages or more than 15 packages, collected by taking single packages at such intervals throughout the entire time of packaging the batch that the quantities packaged during the intervals are approximately equal.

(ii) The penicillin used in making the batch; ten packages containing approximately equal portions of not less than 60 milligrams each, packaged in accordance with the requirements of § 146.24 (b)

(iii) In case of an initial request for certification, the epinephrine and the peanut oil or sesame oil used in making the batch; one package of each containing approximately 2 grams and 250 grams respectively.

(4) No result referred to in subparagraph (2) (ii) of this paragraph, and no sample referred to in subparagraph (3) (ii) of this paragraph, is required if such result or sample has been previously submitted.

(e) *Fees.* The fee for the services rendered with respect to each batch of crystalline penicillin and epinephrine in oil under the regulations in this part shall be:

(1) $8.00 for each immediate container submitted in accordance with paragraph (d) (3) (i) $4.00 for each package in the samples submitted in accordance with paragraph (d) (3) (ii) and (iii) of this section; and

(2) If the Commissioner considers that investigations, other than examinations of such packages, are necessary to determine whether or not such batch complies with the requirements of § 146.3 for the issuance of a certificate, the cost of such investigation.

The fees prescribed by subparagraph (1) of this paragraph shall accompany the request for certification unless such fee is covered by an advance deposit maintained in accordance with § 146.8 (d)

This order, which provides for the marketing of a new penicillin product, shall become effective upon publication in the FEDERAL REGISTER since both the public and the penicillin industry will benefit by the earliest effective date, and I so find.

Notice and public procedure are not necessary prerequisites to the promulgation of this order, and would be contrary to the public interest, and I so find, since it was drawn in collaboration with interested members of the affected industry, and since it would be against public interest to delay the marketing of a new penicillin product.

(52 Stat. 1040, as amended by 59 Stat. 463, and Pub. Law 16, 80th Cong., 1 Sess., 21 U. S. C. Sup. 357)

Dated: November 29, 1947.

[SEAL] OSCAR R. EWING, *Administrator*

[F. R. Doc. 47-10710; Filed, Dec. 4, 1947; 8:47 a. m.]

TITLE 22—FOREIGN RELATIONS

Chapter I—Department of State

Subchapter F—Reparations

[Dept. Reg. 108.58]

PART 301—WORLD WAR II

AUTHORITY TO ACCEPT REPARATIONS PAYMENT

Under authority of R. S. 161 (5 U. S. C. 22) and pursuant to Public Law 584, 79th Congress, 2d session (60 Stat. 754), Title 22, part 301, of the Code of Federal Regulations (Departmental Regulation 108.29; 11 F R. 12609) is hereby amended as indicated:

In § 301.30, the wording of the first paragraph is amended to read as follows:

§ 301.30 *Authority to accept reparations payment.* The Chief of the Division of Occupied-Area Economic Affairs, under the general direction of the Assistant Secretary—Economic Affairs, and in accordance with current general policies of the Department, shall be responsible for negotiating for and accepting on behalf of the United States Government both property and funds allocated to the United States as reparations payments. The Chief of the Division of Occupied-Area Economic Affairs, acting for the Department of State as the owning agency in case of physical property, will declare such property surplus, when appropriate, and make it available to the proper disposal agency subject to such special considerations as are contained in the international agreements under which such property is allocated to the United States. Funds received, either

directly as reparations payments or as a result of sales of physical property, will be deposited in a special account in the United States Treasury. More specifically, the Chief of Division shall:

* * * * *

2. Section 301.31 is added, reading as follows:

§ 301.31 *Redelegation of authority to accept reparations payment.* The authority granted to the Chief of the Division of Occupied-Area Economic Affairs under § 301.30 may be redelegated to appropriate officials of the United States Government (R. S. 161, 60 Stat. 754; 5 U. S. C. 22)

This regulation shall become effective immediately upon publication in the FEDERAL REGISTER.

Approved: November 28, 1947.

For the Secretary of State.

[SEAL] JOHN E. PEURIFOY,
Assistant Secretary of State.

[F. R. Doc. 47-10700; Filed, Dec. 4, 1947; 8:50 a. m.]

TITLE 24—HOUSING CREDIT

Chapter VIII—Office of the Housing Expediter

[Suspension Order S-946, Revocation]

PART 807—SUSPENSION ORDERS

TANFORAN CO., LTD., AND EARL HEPLE

Tanforan Company, Ltd., a corporation with offices at 351 California Street, San Francisco, California, and Earl W. Heple, 494 Delmas Avenue, San Jose, California, their successors, assigns, and all other persons, were suspended on July 3, 1946, by Suspension Order No. S-946 from doing any construction on the 120 acre horse-racing track known as "Tanforan" and located at San Bruno, California. On the 15th day of February, 1947, a preliminary injunction was issued by the United States District Court for the Northern District of California restraining and enjoining Tanforan Company, Ltd., et al., their agents, servants, attorneys, and all persons acting by the authority of any of them, pending determination of the cause, from further constructing or continuing the construction of four horse barns, the receiving barn, paddock, administration building, the horsemen's cafeteria, grandstand and club house located on the premises known as the Tanforan Race Track, San Bruno, California, in violation of Civilian Production Administration Suspension Order S-946 (adopted by the Housing Expediter in Housing Expediter Priorities Order 5, effective April 1, 1947)

In view of the fact that the aforesaid preliminary injunction issued by the United States District Court for the Northern District of California was modified on November 19, 1947, to permit Tanforan Company, Ltd., et al., to carry on such construction work as is exempt from the restrictions of the Construction Limitation Regulation, as amended August 29, 1947, by the Office of Housing Expediter, and such other non-exempt construction as may be approved and authorized by the Housing Expediter, upon application made by Tanforan Company, Ltd., their agents, servants and attorneys, in accordance with the provisions for approval set forth in the said Regulations, the Housing Expediter has directed that the Suspension Order No. S-946 be revoked.

In view of the foregoing: It is hereby ordered, that: § 1010.946 *Suspension Order No. S-946* be revoked.

Issued this 2d day of December 1947.

TIGHE E. WOODS,
Acting Housing Expediter.

[F. R. Doc. 47-10712; Filed, Dec. 4, 1947; 8:50 a. m.]

TITLE 31—MONEY AND FINANCE: TREASURY

Chapter I—Monetary Offices, Department of the Treasury

PART 54—REGULATIONS ISSUED UNDER THE GOLD RESERVE ACT OF 1934

MISCELLANEOUS AMENDMENTS

The following amendments to the General Rulings issued pursuant to § 54.35 (d) of the Gold Regulations are to become effective upon their publication in the FEDERAL REGISTER and are made without notice and public procedure thereon in accordance with the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) because the amendments either relieve the public of duties required under existing regulations or make no substantive changes in existing regulations.

Title 31 of the Code of Federal Regulations, Part 54, regulations issued under the Gold Reserve Act of 1934, is amended to read as follows:

1. Sections 54.35a to 54.35d, inclusive, are revoked.

2. There is added the following new Subpart H to read as follows:

SUBPART H—GENERAL RULINGS ISSUED UNDER THE REGULATIONS IN THIS PART

§ 54.50 *Authority for mints to purchase additional categories of gold.* Pursuant to § 54.35 (d), each and every United States mint and assay office is authorized to purchase the following categories of gold at the purchase price prescribed under § 54.42, or at such price as may hereinafter be prescribed under authority of said section, subject to the conditions in the regulations in this part and in the general regulations governing the mints and subject to the conditions specified below:

(a) Gold refined (or the equivalent to gold refined) from gold-bearing material either imported into the United States pursuant to license on form TGL-13 for sale of the gold derived therefrom to a designated mint or assay office or imported into the United States under § 54.32 (notwithstanding the declaration made by the importer upon the entry into the United States of such gold-bearing material as required by § 54.22 (a)), whether such gold or gold-bearing material has been in customs custody throughout the period it has been within the customs limits of the continental United States, subject to the following provisions:

(1) In the case of gold-bearing material imported pursuant to license on form TGL-13, the importer shall declare to the Collector of Customs at the port of entry that the gold-bearing material is being imported for sale of the gold refined therefrom to a designated mint or assay office; the Collector shall make on the entry a notation to this effect and forward a copy thereof to the mint or assay office designated by the importer.

(2) In the case of gold-bearing material imported under § 54.22, if the gold refined therefrom is offered to a mint or assay office other than the mint at San Francisco or the assay office at New York, the importer shall have caused the copy of the entry described in § 54.22 (a) to be forwarded to the mint or assay office to which he is offering the gold for sale instead of to the mint at San Francisco or the assay office at New York.

(3) Before any gold may be purchased under this paragraph, the requirements of § 54.32 (b) and (c) must be shown to have been complied with; *Provided, however* That any person importing gold-bearing materials for sale of the gold refined therefrom to a mint or assay office other than the mint at San Francisco or the assay office at New York shall have caused the attested copy of the record described in § 54.32 (c) to be forwarded to the mint or assay office to which he is offering the gold for sale instead of to the mint at San Francisco or the assay office at New York.

(4) Upon presentation of the gold to a mint or assay office for purchase, the importer shall file a statement executed in duplicate on form TG-26, together with two duly attested copies of the settlement sheet covering the gold-bearing material imported.

(5) No gold shall be accepted for purchase under authority of this paragraph unless it is delivered to the mint and all of the terms hereof complied with within seven months from the date of the formal entry into the United States of the gold-bearing material from which it was extracted.

(b) Gold contained in deposits of silver, other than newly-mined domestic silver, eligible for deposit at a mint or assay office for return in bar form: *Provided,* That such silver contains not less than 600 parts of silver in 1,000 and not more than 10 parts of gold in 1,000: *Provided further* That the gold was not mined with such silver for the purpose of selling gold to the United States which was not eligible for purchase by the United States under this section or under § 54.35 (a) (b), or (c)

(c) Gold filings, clippings, pieces and the like, from any person regularly engaged in an industry, profession, or art in which gold is used, processed, or manufactured, provided that such gold was not acquired in such form from any other person but accrued directly from, and as a result of, the legitimate, customary, and ordinary conduct of the depositor's industry, profession, or art. No gold shall be purchased under this paragraph unless the deposit thereof is accompanied by a duly executed statement on Form TG-27 and unless the mint or assay of-

fice is satisfied that the gold was acquired, held, melted and treated, and transported in accordance with a license issued pursuant to § 54.23, or as permitted without a license under Subpart B or § 54.21.

(d) Gold refined from sweeps purchased from a United States mint or assay office. No gold shall be purchased under this paragraph unless the deposit of such gold is accompanied by a duly executed statement on form TG-28.

(Sec. 3, 48 Stat. 340; 31 U. S. C. 442, 31 C. F. R. 54. 35 (d))

These amendments shall become effective upon their publication in the FEDERAL REGISTER.

[SEAL] E. H. FOLEY, Jr.,
Acting Secretary of the Treasury.

[F R. Doc. 47-10709; Filed, Dec. 4, 1947; 8:47 a. m.]

TITLE 32—NATIONAL DEFENSE

Chapter VIII—Office of International Trade, Department of Commerce

Subchapter B—Export Control

[Amdt. 370]

PART 801—GENERAL REGULATIONS

PROHIBITED EXPORTATIONS

Section 801.2 *Prohibited exportations* is amended as follows:

The list of commodities set forth in paragraph (b) is amended by adding thereto the following commodity:

Department of Commerce Schedule B No.	Commodity	Unit	GLV dollar value limits country group	
			K	E
871100	Soap: Medicated	lb.	1	1

Shipments of the above commodity removed from general license which were on dock, on lighter, laden aboard an exporting carrier, or in transit to a port of exit pursuant to actual orders for export prior to the effective date of this amendment may be exported under the previous general license provisions.

This amendment shall become effective immediately.

(Sec. 6, 54 Stat. 714, 55 Stat. 206, 56 Stat. 463, 58 Stat. 671, 59 Stat. 270, 60 Stat. 215; Pub. Law 145, 80th Cong., Pub. Law 188, 80th Cong., 50 U. S. C. App. and Sup. 701, 702; E. O. 9630, Sept. 27, 1945, 10 F R. 12245)

Dated: November 20, 1947.

FRANCIS MCINTYRE,
Director
Export Supply Branch.

[F. R. Doc. 47-10697; Filed, Dec. 4, 1947; 8:54 a. m.]

[Amdt. 371]

PART 802—GENERAL LICENSES

GIFT PARCELS

Section 802.29 *General license for gift parcels* is amended to read as follows:

§ 802.29 *General license for gift parcels*—(a) *General license.* There is hereby granted a general license authorizing the exportation of gift parcels, as defined in paragraph (b) of this section, to all destinations to which parcel post or air express service is available: *Provided,* That such exportations are made in accordance with the following provisions of this section.

(b) *Definition.* For the purpose of this general license a gift parcel is defined as a parcel containing commodities donated free of cost to an individual in a foreign country for the personal use of such individual or his immediate family. Exportations under this general license are confined to parcels mailed by parcel post or shipped by air express to an individual.

(c) *General license designation.* The legend "gift parcel" shall be plainly written on the address side of the parcel and on any Customs declaration required by the Bureau of Customs. The inscription of the legend "Gift Parcel" on the parcel shall constitute a certification by the donor that the shipment complies with the provisions of this general license.

(d) *Size and weight limitations*—(1) *Parcel post.* Gift parcels mailed by parcel post shall conform to the applicable Post Office Department regulations as to size and weight.

(2) *Air express.* No gift parcel shipped by air express shall exceed in weight a total of twenty-two (22) pounds.

(e) *Other limitations*—(1) *Shipments to destinations other than Germany, Japan, and adjacent islands.* Gift parcels may be sent by means of parcel post or air express to individuals in all destinations to which such service is available, except Germany, Japan, and islands adjacent to Japan, subject to the following provisions:

(i) The combined total domestic retail value of all soap, butter and other edible fats and oils included in each gift parcel shall not exceed $5; and the combined total domestic retail value of all streptomycin, quinine sulfate, and quinine hydrochloride included in each gift parcel shall not exceed $5.

(ii) Not more than one gift parcel may be sent by the same donor to the same donee in any one calendar week.

(2) *Shipments to Germany, Japan, and adjacent islands.* Gift parcels may be sent by means of parcel post or air express, if such service is available, to individuals in all of the occupied zones of Germany, including Berlin, and to individuals located in the main islands of Honshu, Kyushu, Shikoku, Hokkaido, and in islands adjacent thereto, of occupied Japan, subject to the following provisions:

(i) No gift parcel shall contain commodities other than those permitted by the applicable Post Office Department regulations, whether the parcel be sent by means of parcel post or air express.

(ii) The combined total domestic retail value of all soap, butter, and other edible fats and oils included in each gift parcel shall not exceed $5; and the combined total domestic retail value of all streptomycin, quinine sulfate, and quinine hydrochloride included in each gift parcel shall not exceed $5.

(iii) Not more than one gift parcel may be sent by the same donor to the same donee in any one calendar week.

This amendment shall become effective immediately.

(Sec. 6, 54 Stat. 714, 55 Stat. 206, 56 Stat. 463, 58 Stat. 671, 59 Stat. 270, 60 Stat. 215; Pub. Law 145, 80th Cong., Pub. Law 188, 80th Cong., 50 U. S. C. App. and Sup. 701, 702; E. O. 9630, Sept. 27, 1945, 10 F. R. 12245)

Dated: November 28, 1947.

FRANCIS MCINTYRE,
Director,
Export Supply Branch.

[F. R. Doc. 47-10698; Filed, Dec. 4, 1947; 8:54 a. m.]

[Amdt. 372]

PART 804—INDIVIDUAL LICENSES

MULTIPLE SHIPMENTS OF GIFT PARCELS

Part 804 is amended by adding thereto a new § 804.20 to read as follows:

§ 804.20 *Multiple shipments of standard gift parcels.* (a) There is hereby established a procedure whereby commercial gift packaging concerns may apply for licenses to export a reasonable quantity of standard gift parcels, in a single shipment, to an intermediate consignee for subsequent delivery to individuals residing in Group K countries, where the total value of the combined shipment exceeds the GLV dollar-value limitations specified for commodities included in the list of commodities set forth in paragraph (b) of § 801.2, but where the contents of each individual parcel do not exceed such specified limitations. The procedure established by this section is designed to permit commercial gift packaging concerns to maintain small stock piles of gift parcels abroad, in the hands of their agents, so parcels may be available for speedy distribution to recipients when orders are received in the United States by such concerns.

(b) *Definitions.* When used in this section:

(1) "Gift parcel" shall mean a parcel containing commodities to be sent free of cost to the person ultimately receiving them and must be for the personal use of the donee or his immediate family.

(2) "Standard gift parcel" shall mean a gift parcel customarily offered by a gift packaging concern containing announced quantities of specified commodities.

(c) *Application requirements for first licenses.* Commercial gift packaging concerns desiring to establish a stockpile of standard gift parcels under this procedure shall submit individual license applications for all commodities on the list of commodities set forth in paragraph (b) of § 801.2, in accordance with the following provisions:

(1) Separate applications must be submitted for each country to which shipments are to be made.

(2) Each application submitted to establish the stockpile for a country must be accompanied by a statement containing the following information:

(i) The total number of standard gift parcels shipped to the country of destination named on the application, for the past twelve months; and

(ii) A description of the types of standard gift parcels to be contained in the proposed shipment, including a complete list of all the commodities comprising each type of parcel and the quantity of each commodity.

(3) Applications must be submitted on Form IT 419, accompanied by an acknowledgment card (Form IT 116) in accordance with the following instructions:

(i) Under item 6 (a) the name of the applicant gift packaging concern;

(ii) Under item 7 (a) the words "Recipients of gift packages";

(iii) Under item 7 (b) the name of the intermediate consignee (the agent) in the foreign country who will handle the distribution of gift parcels;

(iv) Under item 9, a complete description of the proposed shipment, including the following:

(a) The total number of each type of standard gift parcel to be shipped;

(b) The total quantity in terms of Schedule B units of each commodity on the list of commodities set forth in paragraph (b) of § 801.2; where unit of weight is not given, dollar value should be given;

(c) The number and description of the shipping containers, i. e., bags, boxes, barrels, etc.,

(d) The processing code "Gift."

(d) *Application requirements for additional licenses.* Applications for additional licenses to export standard gift parcels, in order to replenish stockpiles abroad, may be submitted in accordance with the following procedure and conditions:

(1) Applications for additional licenses, as submitted, must conform to the requirements set forth above in subparagraphs (c) (1) and (c) (3) of this section. In addition, the application form IT 419 must include, under item 4 (b), the case number assigned to the original license granted to establish the stockpile.

(2) Applications for additional licenses must be accompanied by (i) a statement, in duplicate, of the number and types of standard gift parcels which have been distributed from the stockpile of such parcels maintained abroad; and (ii) lists, in duplicate, showing the names of the donors thereof in the United States and donees thereof abroad, together with their addresses.

(3) The types of standard gift parcels to be contained in the proposed shipment must conform to the types of standard gift parcels already distributed abroad.

(4) The total number of standard gift parcels to be shipped shall not exceed the total quantity thereof already distributed abroad and for which names and addresses of donors and donees are furnished as provided in subparagraph (d) (2) of this section.

(e) *Period of validity.* Individual licenses for multiple shipments of standard gift parcels issued under this section shall be valid for a period of ninety (90) days unless the period of validity is reduced or extended by the Department of Commerce or is otherwise indicated on the license. All such licenses are subject to revocation or revision at any time by the Department of Commerce.

This amendment shall become effective immediately.

(Sec. 6, 54 Stat. 714, 55 Stat. 203, 56 Stat. 463, 58 Stat. 671, 59 Stat. 270, 60 Stat. 215; Pub. Law 145, 80th Cong., Pub. Law 103, 80th Cong., 50 U. S. C. App. and Sup. 701, 702; E. O. 9630, Sept. 27, 1945, 10 F. R. 12245)

Dated: November 28, 1947.

FRANCIS McINTYRE,
Director
Export Supply Branch.

[F. R. Doc. 47-10639; Filed, Dec. 4, 1947; 8:55 a. m.]

Chapter XXIII—War Assets Administration

[Reg. 1;[1] Amdt. 2 to Order 2]

PART 8301—DESIGNATION OF DISPOSAL AGENCIES AND PROCEDURES FOR REPORTING SURPLUS PROPERTY LOCATED WITHIN THE CONTINENTAL UNITED STATES, ITS TERRITORIES AND POSSESSIONS

LOCATION OF WAR ASSETS ADMINISTRATION ZONE AND REGIONAL OFFICES, AND LOCATION OF DISPOSAL AGENCY OFFICES FOR FILING DECLARATIONS OF SURPLUS PROPERTY BY OWNING AGENCIES

War Assets Administration Regulation 1, Order 2, October 28, 1947, as amended November 17, 1947, entitled "Location of War Assets Administration Zone and Regional Offices, and Location of Disposal Agency Offices for Filing Declarations of Surplus Property by Owning Agencies" (12 F. R. 7357, 7880), is hereby further amended as follows:

1. Subparagraph (2) under Zone II of § 8301.52 (b) is amended to read as follows:

(2) Declarations of surplus property located in the States of Georgia, Florida, North Carolina and South Carolina (heretofore filed in the regional offices, Regions 6, 13 and 14), shall hereafter be filed in the above Zone II office. Declarations covering property located in other regions of this zone shall continue to be filed in the regional offices as recited under the appropriate regional headings hereunder.

2. The following change is made in Region 13 under § 8301.52 (c)

Region 13. Charlotte, N. C. (Address, 317 South Tryon St., Charlotte, N. C.). (Declarations of surplus property heretofore filed in this office shall hereafter be filed in Zone II office, 639 Ponce de Leon Avenue, N. E., Atlanta, Georgia.)

[1] 12 F. R. 6857, 7810.

(Surplus Property Act of 1944, as amended; (58 Stat. 765, as amended; 50 U. S. C. App. Sup. 1611); Public Law 181, 79th Congress (59 Stat. 533; 50 U. S. C. App. Sup. 1614a, 1614b) and Reorganization Plan 1 of 1947 (12 F. R. 4534))

This amendment to this section shall become effective November 24, 1947.

JESS LARSON,
Acting Administrator.

DECEMBER 1, 1947.

[F. R. Doc. 47-10763; Filed, Dec. 4, 1947; 10:54 a. m.]

PART 8319—DONATION, DESTRUCTION, OR ABANDONMENT OF SURPLUS PERSONAL PROPERTY

Surplus Property Administration Regulation 19, December 7, 1945, as amended March 30, 1946, entitled "Donation, Destruction, or Abandonment of Surplus Personal Property" (10 F. R. 14966; 11 F. R. 3691) is hereby further amended by changing § 8319.3 to read as follows:

§ 8319.3 *Findings justifying donation, destruction, or abandonment.* Except as to property disposed of under §§ 8319.4 (b) 8319.5, and 8319.7, no property shall be donated, destroyed, or abandoned by an owning or disposal agency unless it shall have been affirmatively found either by the appropriate disposal agency or by the owning agency that: (a) such property has no commercial value; or (b) the estimated cost of its care, handling, and disposition would exceed the estimated proceeds of its sale for any purpose. Property shall be deemed to have no commercial value for the purposes of this part if it can reasonably be expected to have no market value for the purposes for which it was originally intended. Such findings shall be reduced to writing by the finding agency. Whenever property proposed to be disposed of hereunder by any agency at any one location at any one time had an original cost (estimated if not known) of more than $1,000, the findings shall be approved by a reviewing authority before any such disposal. Whenever property proposed to be disposed of hereunder by an owning agency at any one location at any one time had an original cost (estimated if not known) of more than $25,000, the concurrence or approval of the appropriate disposal agency in the findings of the owning agency shall be required.

(Surplus Property Act of 1944, as amended (58 Stat. 765, as amended; 50 U. S. C. App. Sup. 1611;) Pub. Law. 181, 79th Cong. (59 Stat. 533; 50 U. S. C. App. Sup. 1614a, 1614b) and Reorganization Plan 1 of 1947 (12 F. R. 4534))

This amendment becomes effective December 1, 1947.

JESS LARSON,
Acting Administrator.

DECEMBER 1, 1947.

[F. R. Doc. 47-10767; Filed, Dec. 4, 1947; 10:54 a. m.]

[Operations Notice 1]

PART 8401—ORGANIZATION OF THE WASHINGTON OFFICE OF WAR ASSETS ADMINISTRATION

War Assets Administration Operations Notice 1, issued August 28, 1946, as amended May 20, 1947 (12 F R. 3449), pursuant to section 3 of the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) entitled "Organization of the Washington Office of War Assets Administration" (11 F. R. 177A-750) is hereby revised and amended as hereinafter set forth.

Sec.
8401.1 Scope.
8401.2 Office of the Administrator.
8401.3 Office of Information and Advertising.
8401.4 Office of Plans and Policies.
8401.5 Office of Liaison with Owning Agencies.
8401.6 Office of General Counsel.
8401.7 Office of Fiscal Services.
8401.8 Office of Administrative Services.
8401.9 Office of Aircraft and Electronics Disposal.
8401.10 Office of Stock Control.
8401.11 Office of Acquisitions.
8401.12 Office of General Disposal.
8401.13 Office of Real Property Disposal.
8401.14 Office of Disposal for U. S. Territories and Possessions.
8401.15 Rules pertaining to official documents and the disclosure of information.
8401.16 Addresses.

AUTHORITY: §§ 8401.1 to 8401.16, inclusive, issued under 58 Stat. 765, as amended, 59 Stat. 533; 50 U. S. C. App. Sup. 1611, 1614a, 1614b; Reorganization Plan 1 of 1947, 12 F. R. 4534.

§ 8401.1 *Scope.* The War Assets Administrator performs a dual function in the disposal of surplus property through the War Assets Administration. One of these functions is to determine policy for all disposal agencies designated pursuant to the Surplus Property Act of 1944, as amended; and the other is to perform the functions of a designated disposal agency. This part deals solely with the organization and functions of the Washington office of the War Assets Administration as an agency designated for the disposal of surplus property located within the continental limits of the United States of America, its territories and possessions.

§ 8401.2 *Office of the Administrator*—(a) *Function.* The Administrator exercises general supervision and direction over the care and handling and disposition of surplus property and the transfer of surplus property between Government agencies in accordance with the provisions of the Surplus Property Act of 1944, as amended, and pursuant to Reorganization Plan 1 of 1947.

(b) *Organization*—(1) *Advisory Council.* The Advisory Council, in an advisory relationship, reviews with an independent viewpoint all questions of broad policies, sales programs, and other matters referred to it by the Administrator, Associate Administrator, or any Deputy Administrator, and recommends policies, plans, programs, and courses of action which should be undertaken in order to solve the questions presented.

(2) *General Review Board.* The General Review Board reviews and makes recommendations upon any matter involving contracts, controversies and large sales, except real property sales and leases.

(3) *Compliance Enforcement Division.* (i) The Compliance Enforcement Division assures that all activities of the War Assets Administration are carried out in compliance with the provisions of the Surplus Property Act of 1944, as amended, and the regulations and directives issued thereunder; and exercises general supervision over compliance units in appropriate owning and disposal agencies.

(ii) *Authority.* The authority to perform such functions is assigned to the Director of Compliance Enforcement, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary.

§ 8401.3 *Office of Information and Advertising*—(a) *Organization and functions.* The Office of Information and Advertising initiates and directs the planning, development, and operation of public relations and information programs; provides advertising to assist the prompt and economical disposal of surplus property, utilizing the services of commercial advertising agencies; and recommends public information and advertising policies.

(1) *Information Division.* The Information Division initiates and directs the planning, development, and operation of public relations and information programs for the War Assets Administration and recommends policies for all public information activities relating to the Surplus Property Act of 1944, as amended, and Administration programs.

(2) *Advertising Division.* The Advertising Division provides advertising to assist the prompt and economical disposal of surplus property, utilizing the services of commercial advertising agencies; and recommends policies to conform with the provisions of the Surplus Property Act of 1944, as amended, directing wide public notice of surplus property sales.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Information and Advertising, who is authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized to execute the certificate required by the act of March 3, 1905 (33 Stat. 1213; 44 U. S. C. 118) as to the necessity for the use of illustrations, engravings, or photographs in connection with the transaction of business; and to order, against contracts currently in force, the publication in newspapers of notices and proposals relating to the disposal of surplus property.

§ 8401.4 *Office of Plans and Policies*—(a) *Organization and functions.* The Office of Plans and Policies coordinates and directs all activities of the War Assets Administration required in the review, coordination, initiation, and recommendation of basic policies, broad programs, organization and methods necessary to secure prompt and orderly disposal of surplus property in conformity with the objectives of the Surplus Property Act of 1944, as amended, and analyzes operating results with respect thereto.

(1) *Disposal Policy Division.* The Disposal Policy Division initiates and develops, or recommends changes in, disposal policies and methods so that the disposal aims of the War Assets Administration and other disposal agencies may be carried out with maximum speed and effectiveness.

(2) *Priority Claimants Division.* The Priority Claimants Division initiates and develops, or recommends changes in, policies and procedures enabling priority claimants and groups receiving special consideration to acquire surplus property pursuant to the provisions of the Surplus Property Act of 1944, as amended; reviews disposal agencies' policies, programs and procedures, and the results thereof, to determine the effectiveness of disposals to these claimants and groups, and the observance of priorities and rights under the Surplus Property Act of 1944, as amended; determines the requirements of priority claimants and groups and, by coordination with liaison with disposal agencies, expedites disposal to all priority claimants; and promotes the utilization of surplus property by priority claimants.

(3) *Organization and Methods Division.* The Organization and Methods Division plans, supervises, and controls the development, installation, and operation of organizational techniques and operating procedures and develops management controls and measurement standards applicable to organization and procedure matters.

(4) *Reports Division.* The Reports Division compiles and disseminates statistical and related information as required for the effective management of the various surplus property disposal programs and to reflect the progress being made with respect thereto at periodic intervals.

(5) *Economic and Market Research Division.* The Economic and Market Research Division provides economic and marketing information and advises and assists the divisions of the War Assets Administration in the development of disposal policies and programs, especially as they affect and are affected by economic conditions.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Plans and Policies, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary.

§ 8401.5 *Office of Liaison with Owning Agencies*—(a) *Organization and functions.* The Office of Liaison with Owning Agencies represents War Assets Administration with owning agencies in matters of policy and major operations with reference to the acquisition of surplus property and other matters and establishes policies and standards for the care and handling of surplus property by owning agencies.

(1) *Liaison Division.* The Liaison Division maintains liaison with owning

agencies to insure conformance with War Assets Administration policies and regulations; effects methods and procedures, in conjunction with owning agencies, for declaration and acquisition of surplus property and for clearance of privately owned plants and Federal government facilities; and obtains forecasts of anticipated declarations of surplus property.

(2) *Special Projects Division.* The Special Projects Division establishes policies, develops standards and coordinates activities with respect to care and handling of surplus property within owning agencies' installations; and surveys storage and disposal installations and facilities of all owning agencies to determine the efficiency and economy of operation and the propriety of reimbursable care and handling costs.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Liaison with Owning Agencies, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary.

§ 8401.6 *Office of General Counsel*—(a) *Organization and functions.* The Office of General Counsel is in charge of legal and legislative matters affecting War Assets Administration. As such it is charged with the responsibility of (1) rendering all legal opinions and interpretations pertinent to the conduct of the affairs of the Administration, (2) preparing all legal instruments, including legislation, regulations, and (3) coordinating all litigation, patent matters, claims and judicial or quasi-judicial proceedings. It also maintains liaison with the General Accounting Office, the legislative branch of the Government, the Executive Office of the President, the Department of Justice and other federal departments and agencies of the Government.

(b) *Authority.* The authority to perform such functions is vested in the General Counsel, who is authorized to delegate and authorize redelegation to members of his staff of any portion of such authority.

§ 8401.7 *Office of Fiscal Services*—(a) *Organization and functions.* The Office of Fiscal Services coordinates and directs all activities of the War Assets Administration required to provide essential fiscal services, and all activities pertaining to any commercial insurance in which the War Assets Administration may have an interest; formulates and prepares instructions and procedures and advises on insurance problems; determines whether essential auditing, accounting, budgetary, and credit programs and plans are conducted in accordance with established policies and directs corrective action where necessary; approves final decision on all claims arising out of the disposal of surplus property.

(1) *Audit Division.* The Audit Division directs the systematic verification of War Assets Administration books of account (including commercial agents' records), vouchers and related inventory, financial and legal records for the purpose of evaluating the effectiveness of internal financial control and determining the accuracy and integrity of financial and property transactions and their conformity with controlling laws and regulations as well as sound business practices.

(2) *Accounting Division.* The Accounting Division establishes over-all accounting policies and maintains accounting systems for the recording of transactions, the prevention of errors, and the preparation and submission of reports covering the acquisition, maintenance, disposal and administrative activities of the War Assets Administration.

(3) *Budget Division.* The Budget Division formulates and administers a budgetary and personnel ceiling program for the War Assets Administration, including the estimating of expenditures and their justification, the allotment and allocation of available funds, and passing on the propriety of proposed expenditures.

(4) *Credit Division.* The Credit Division establishes over-all credit standards in connection with sales of surplus property; initiates and recommends basic credit policies; maintains liaison with other Government agencies on credit problems, particularly with the Treasury Department, the Department of State, and the National Advisory Council, in connection with credit sales to foreign governments; recommends final action on requests from foreign governments for long-term credit; formulates procedures for the Regional Credit Divisions; reviews, and approves or denies, all credit applications submitted by the field, including applications in excess of $50,000 and applications containing terms or conditions that do not conform to standard practice; collaborates with field offices on collection of delinquent accounts; conducts financial investigations for other War Assets Administration offices when requested; and furnishes advice and assistance to prospective purchasers of surplus property on credit.

(5) *Claims Division.* The Claims Division formulates policies and procedures necessary for the settlement of claims other than claims with respect to administrative expense, the expeditious processing thereof and the propriety of decisions and settlements; furnishes advice and assistance to the regional offices relative to the processing and settlement of claims; ascertains circumstances and conditions which give rise to claims; and processes and settles claims in the Washington Office.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Fiscal Services, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is further authorized to approve, under the "Equitable Adjustment Clause" contained in sales memoranda or contracts executed pursuant to competent authority, adjustment of claims arising out of the disposal of surplus property and to consider, ascertain, adjust, determine and settle any claim filed under the provisions of the Federal Tort Claims Act (Public Law 601, 79th Congress)

§ 8401.8 *Office of Administrative Services*—(a) *Organization and functions.* The Office of Administrative Services formulates and effects a comprehensive program of personnel management, establishes the safety policy and program, and provides all office services necessary to the accomplishment of War Assets Administration activities.

(1) *Personnel Division.* The Personnel Division administers a comprehensive program of personnel management covering (i) the recruitment, examination, qualification, appointment, training, assignment, promotion, reassignment, and transfer of all War Assets Administration personnel, (ii) the maintenance of effective employee relations, (iii) the classification of positions, and (iv) the development of wage standards.

(2) *Office Services Division.* The Office Services Division coordinates and directs all functions pertaining to the furnishing of office services for the War Assets Administration, including the procurement of supplies and equipment, the furnishing of reproduction services, the allocation of space, the negotiations of contracts, the preparation and maintenance of delegations of authority, the improvement of correspondence, and the maintenance of communications and records facilities.

(3) *Safety Division.* The Safety Division formulates a safety policy and program and coordinates the administration thereof; establishes procedures for the reporting and investigation of accidents; renders technical advice with respect to accident claims against the Government; evaluates compliance with safety policies and the effectiveness of accident prevention programs; insures that regulations for reporting employees' injuries under the Employee Compensation Act are publicized and prescribes supplementary procedures and control implementing these regulations; serves as representative of the War Assets Administration on the Federal Inter-Departmental Safety Council.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Administrative Services, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized to award and execute contracts, documents, and other instruments necessary to carry out the functions of his office, to order or approve irregular or occasional overtime duty in excess of a 40-hour administrative work week, to administer oaths of office, to process for and in the name of the Administrator all personnel actions, to appoint an Efficiency Rating Committee, to execute certificates covering the use of the telephone for long distance calls, and to approve all requests for field printing wherein the amount involved for a single item exceeds $1,000 as authorized by the Joint Committee on Printing.

§ 8401.9 *Office of Aircraft and Electronics Disposal*—(a) *Organization and functions.* The Office of Aircraft and Electronics Disposal plans, develops, and administers programs for the disposal of surplus aircraft, aircraft components,

and electronics (excluding electronics located in the U. S. Territories and Possessions) in a manner which will achieve the objectives, provisions, and conditions of the Surplus Property Act of 1944, as amended.

(1) *Sales Planning Division.* The Sales Planning Division initiates, formulates, develops, and reviews sales plans and programs covering the disposal of surplus aircraft, aircraft components, and electronics, coordinating these plans and programs with the Office of Plans and Policies; in conjunction with the Disposal Divisions and the Advertising Division, develops sales programs and campaigns relative to aircraft, aircraft components and electronics property.

(2) *Administrative Division.* The Administrative Division initiates, develops, and recommends regulations, orders, and procedures applicable to the disposal of aircraft, aircraft components, and electronics; determines what surplus aeronautical property (except complete aircraft) is commercially unsalable, and directs its disposal for scrap or salvage; maintains and controls operational aircraft assigned to the Office of Aircraft and Electronics Disposals; coordinates shipment of aeronautical and electronics property; and directs all internal activities of the Office of an organizational, administrative, fiscal, or statistical nature.

(3) *Aircraft Division.* The Aircraft Division develops and coordinates programs for the disposal of certificated surplus aircraft; the salvaging or scrapping of unsalable aircraft, including the disposal of salable components thereof, and the maintenance and eventual closing of aircraft sale-storage depots in the continental United States; and plans and develops programs for the disposal of aircraft and the salvaging or scrapping of non-flyable aircraft located in the U. S. territories and possessions, cooperating in this connection with the Office of Disposal for U. S. Territories and Possessions.

(4) *Aircraft Components Division.* The Aircraft Components Division develops and directs programs for the sale or other disposal of surplus aircraft components or aeronautical property through distributors, regional offices and national sales centers; establishes fixed prices for surplus aeronautical property; negotiates and administers contracts and agreements with recognized and established manufacturers, designers, or commercial distributors of aircraft components to facilitate orderly disposal through normal trade channels; controls allocation of surplus aeronautical property to priority claimants, distributors and other approved agencies, and regional offices to assure equitable distribution; and plans and directs the sale of aircraft components in the U. S. territories and possessions through the territorial regional offices, including disposals through agency agreements, cooperating in this connection with the Office of Disposal for U. S. Territories and Possessions.

(5) *Electronics Division.* The Electronics Division develops and directs aggressive programs for the sale or other disposal of surplus electronics located in the continental United States through distributors, regional offices and direct sales; establishes fixed sales prices for surplus electronics; negotiates contracts and agreements with recognized and established manufacturers, distributors and dealers of electronic equipment to expedite disposal through normal trade channels; administers activities under these contracts and agreements to insure that their provisions are fulfilled; assures equitable allocation of surplus electronics to priority claimants, distributors and regional offices; and furnishes technical advice and assistance to the Office of Disposal for U. S. Territories and Possessions in connection with the disposal of electronics located in the U. S. Territories and Possessions.

(6) *Depot Clearance Division.* The Depot Clearance Division directs the clearance of surplus aeronautical and electronic property from Army, Navy, and War Assets Administration warehouses; collaborates with and assists owning agencies and War Assets Administration regional offices in the screening, identifying, segregating and inventorying of surplus aeronautical and electronic property at depots, for disposal as salable property or on a scrap or salvage basis by the agency or office involved; assists regional offices in the clearance of other than aeronautical or electronic property over which they have jurisdiction; and assures that all problems of surplus disposal affecting the clearance of Army, Navy, and War Assets Administration warehouses are brought to the attention of the agency or office having jurisdiction.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Aircraft and Electronics Disposal, who is authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized to execute and award contracts, documents, and other instruments necessary to carry out the disposal functions of his office.

§ 8401.10 *Office of Stock Control*—(a) *Organization and functions.* The Office of Stock Control directs and coordinates all activities of the War Assets Administration required to establish and maintain a uniform stock control system for surplus property.

(1) *Planning Division.* The Planning Division initiates, develops and recommends plans, policies and procedures for the Office of Stock Control and its various activities; maintains close liaison with other offices and divisions of the War Assets Administration in order to coordinate efforts in surplus property stock control; and analyzes and reviews operational methods, procedures and techniques for the purpose of determining and recommending more efficient and economical operations.

(2) *Operations Division.* The Operations Division makes periodic inspections and surveys of stock control operations in zones and regions for the purpose of improving the operations and rendering assistance as required; maintains files for information, including statistics, on stock control; and assists field offices on emergency problems by securing the necessary staff assistance of all affected elements of the Washington Office.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Stock Control, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary.

§ 8401.11 *Office of Acquisitions*—(a) *Organization and functions.* The Office of Acquisitions plans, develops, and administers programs for the acquisition (including inspection and acquisition documentation), care, handling, storage and shipment of surplus property other than aircraft and real property in a manner which will achieve the objectives, provisions, and conditions of the Surplus Property Act of 1944, as amended.

(1) *Warehousing Division.* The Warehousing Division develops and administers a program pertaining to the care, handling, and storage of personal property declared as surplus to the War Assets Administration.

(2) *Inspection Division.* The Inspection Division formulates and establishes the standards and procedures governing the inspection, acquisition documentation, and descriptive coding of surplus property; advises owning agencies and other divisions of standards established; and implements policies and procedures for the Office of Acquisitions covering determination of scrap.

(3) *Traffic Division.* The Traffic Division supervises and expedites the movement of surplus property; negotiates freight transportation charges; prepares rate statements and furnishes quotation of rates; arranges demurrage agreements; provides routing information; and supervises contracts with truck operators.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Acquisitions, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary.

§ 8401.12 *Office of General Disposal*—(a) *Organization and functions.* The Office of General Disposal plans, develops, and administers programs for the disposal of surplus property other than real property, aircraft, aircraft components, and electronics in a manner which will achieve the objectives, provisions, and conditions of the Surplus Property Act of 1944, as amended.

(1) *Sales Planning and Analysis Division.* The Sales Planning and Analysis Division is responsible in a staff capacity within the Office of General Disposal for the analysis, evaluation, initiation, improvement, coordination, and control of plans, programs, organization, methods, and procedures to secure prompt and orderly disposal of surplus property other than real property, aircraft, aircraft components, and electronics; and is further responsible for assistance in the interpretation and observance of policies and regulations, for the establishment of standards, and for the rendering of specialized assistance to the commodity divisions.

(2) *Export Division.* The Export Division coordinates all activities pertaining to export sales of surplus property; conducts liaison with the Department of State and other Governmental agencies on problems dealing with export sales; and advises and assists regional offices in developing export markets and obtaining export clearances when required.

(3) *Customer Service Division.* The Customer Service Division, which formulates, coordinates and recommends policies and procedures for the establishment, operation and liquidation of Customer Service Centers, and obtains effective staff action within the War Assets Administration to assure the success of the Customer Service Center program.

(4) *Commodity Divisions.* The Commodity Divisions within the Office of General Disposal are:

(i) The Automotive, Hardware and General Products Division, which has jurisdiction over mill supplies, heavy hardware, general hardware, hand tools, houseware, farm equipment and supplies, plumbing and heating, air-conditioning, refrigeration, electrical supplies, photographic and optical goods, containers, safety equipment, recreational equipment, miscellaneous products, machinery parts, motor vehicles, tires and tubes, auto parts, accessories and assemblies, and automotive maintenance equipment.

(ii) The Textile, Furniture, Paper and Medical Supplies Division, which has jurisdiction over office and industrial furniture, household furniture and miscellaneous furnishings, accounting and reproduction machinery, fine and coarse paper, paper products, office and engineering supplies, drugs, medicines, toiletries, cosmetics, surgical, professional, scientific, hospital and laboratory supplies and equipment, textile fabrics and products, clothing and apparel, and all types of footwear.

(iii) The Machinery and Industrial Equipment Division, which has jurisdiction over electrical, steam and hydraulic equipment, internal combustion engines, metals processing equipment, materials handling, chemical, heat treating, and special industrial equipment, heavy and light construction machinery, industrial, mining, and farm machinery.

(iv) The Metals, Materials and Supplies Division, which has jurisdiction over chemicals, construction materials, fuels and lubricants, leather, fibres, paints, varnishes, lacquers and miscellaneous service supplies and equipment, nonferrous metals, valves and fittings.

(v) The Metal Working Equipment Division, which has jurisdiction over machine tools, metal forming, cutting, testing and measuring equipment, abrasives, bearings, and cutting tools.

(b) *Authority.* The authority to perform such function is assigned to the Deputy Administrator for General Disposal, who is authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized to award and execute contracts, documents, and other instruments necessary to carry out the disposal functions of his office.

§ 8401.13 *Office of Real Property Disposal*—(a) *Organization and functions.* The Office of Real Property Disposal plans, develops, and administers the real property disposal program in a manner which will achieve the objectives, provisions, and conditions of the Surplus Property Act of 1944, as amended.

(1) *Real Property Review Board.* The Real Property Review Board analyzes disposal cases presented by the Deputy Administrator and recommends disposition of such cases to the Administrator; conducts public hearings on controversial cases or cases of unusual economic significance or importance and considers complaints and inquiries concerning real property transactions.

(2) *Control and Services Division.* The Control and Services Division initiates, develops, and administers programs in connection with over-all planning for surplus real property disposal; prepares special over-all reports and reports to the Congress; directs and controls the maintenance of essential records, statistical analyses, tabulations and charts; coordinates and develops real property methods and procedures; and furnishes necessary administrative services for the Office of Real Property Disposal.

(3) *Sales Development Division.* The Sales Development Division plans, develops, and administers programs covering sales promotional activities in connection with real property disposal and insures that these programs are properly coordinated with the Office of Information and Advertising.

(4) *Property Management Division.* The Property Management Division develops and administers programs for the management of surplus real property, including alterations, rehabilitation, restoration, decontamination, dismantlement, boundary surveys, assumption of custody, property maintenance and protection, utilization of surplus facilities, acquisition of space, real property taxes, wage standards and labor relations and servicing of leasing and use agreements and deferred payment sales.

(5) *Appraisal Division.* The Appraisal Division develops and administers policies and programs for the appraisal of surplus real property; establishes the valuation of surplus real property when specifically designated by the Administrator or Deputy Administrator, and in cases requiring Real Property Review Board action; advises owning agencies on matters related to the valuation of surplus and standby real properties.

(6) *Industrial Division.* The Industrial Division develops and administers programs for the disposal of surplus industrial real property; conducts disposal activities, when specifically designated by the Administrator or Deputy Administrator, on plants included in the category of section 19 of the Surplus Property Act of 1944, as amended, real property, and on properties of national importance or properties having extensive economic significance; plans and develops revisions in reports which have been submitted to Congress under section 19.

(7) *Non-Industrial Division.* The Non-Industrial Division develops and administers programs for the disposal of surplus non-industrial real property, including airports, hospitals, urban, rural, and special-use property; conducts disposal activities when specifically designated by the Administrator or the Deputy Administrator on surplus real property of national importance or having a special economic significance; coordinates disposal programs for such surplus real property with related programs of other Government agencies.

(b) *Authority.* The authority to perform such functions outlined is assigned to the Deputy Administrator for Real Property Disposal, who is further authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized (1) to execute, acknowledge, and deliver any deed, lease, permit, contract, receipt, bill of sale, or other instrument in writing in connection with the disposal of surplus real property, or personal property assigned for disposition with real property, located within the United States, its territories and possessions, (2) to accept any notes, bonds, mortgages, deeds of trust, or other security instruments taken as consideration in whole or in part for the disposition of such surplus real or personal property, and (3) to do or perform any other act necessary to effect the transfer of title to any such surplus real or personal property located as above provided; all pursuant to the provisions of the Surplus Property Act of 1944, as amended; Reorganization Plan 1 of 1947; Part 8301[1] of this chapter; and Surplus Property Administration General Amendment of January 5, 1946.[2]

§ 8401.14 *Office of Disposal for U. S. Territories and Possessions*—(a) *Organization and functions.* The Office of Disposal for U. S. Territories and Possessions plans, develops and directs the disposal of surplus personal property in the U. S. territories and island possessions in a manner which will achieve the objectives, provisions, and conditions of the Surplus Property Act of 1944, as amended; and supervises the disposal and operational activities of the Regional Offices in Hawaii, Alaska, and Puerto Rico.

(1) *Hawaiian Division.* The Hawaiian Division serves as a focal point for all problems involving the disposal of surplus personal property in the Territory of Hawaii, and plans and develops programs to assure disposal by necessary coordination with other appropriate offices of the War Assets Administration.

(2) *Puerto Rican Division.* The Puerto Rican Division serves as a focal point for all problems involving the disposal of surplus personal property in Puerto Rico and the Virgin Islands, and plans and develops programs to assure disposal by necessary coordination with other appropriate offices of the War Assets Administration.

(3) *Alaskan Division.* The Alaskan Division serves as a focal point for all problems involving the disposal of surplus personal property in Alaska, and plans and develops programs to assure

[1] Reg. 1 (12 F. R. 6657, 7810).
[2] 11 F. R. 403.

coordination with other appropriate offices of the War Assets Administration.

(b) *Authority.* The authority to perform such functions is assigned to the Deputy Administrator for Disposal for U. S. Territories and Possessions, who is authorized to redelegate to subordinate officials such part of that authority as he deems necessary. He is specifically authorized to award and execute contracts, documents, and other instruments necessary to carry out the disposal functions of his office.

§ 8401.15 *Rules pertaining to official documents and disclosure of information*—(a) *Disposal of documents.* All records, opinions, claims, accounts, correspondence, and other official documents and exhibits attached or pertaining thereto, and copies thereof are the property of the Government. While copies of such documents may be temporarily kept in so-called personal custody of officials and employees to provide information for official use, they cannot be construed to be the personal property of officials and employees having such custody, even though other copies of such documents may be located in official files or elsewhere. Upon termination of employment in the War Assets Administration any official or employee shall surrender all official documents to his successor or to his immediate supervisor.

(b) *Confidential material.* No copy of, or information relative to, any such document or to any other official business of the Administration which appears to be of a confidential nature, shall be given to any person unless such person obtains a court order or subpoena therefor, or makes application therefor in the manner hereinafter prescribed, and it appears to the Administrator, Associate Administrator, or General Counsel, or to the Deputy Administrator, having charge of the subject matter involved that the furnishing thereof would not be contrary to the public interest. Applications need follow no standard form but shall be addressed to the General Counsel, and must set forth under oath the interest of the applicant in the subject matter and the purpose for which such copy or information is desired. Applications by duly accredited Governmental officials need not be under oath.

(c) *Testifying before Courts, etc. (excluding Congressional committees)* War Assets Administration officials and employees are prohibited from testifying in court or otherwise with respect to information obtained in their official capacities, without the prior approval of the Administrator, Associate Administrator, or General Counsel, or of the Deputy Administrator, in whose office such official or employee is employed.

(d) *Congressional committees.* In order to give direction and coordination to statements reflecting the official policies of the Administration and to assure that such statements truly and adequately reflect such official policies, officials or employees shall coordinate such statements with the General Counsel or his designated representative before making such statements or appearing before any Congressional committees. In those instances where the exigencies of the situation do not permit such coordination, any official or employee concerned shall transmit promptly to the Office of General Counsel a memorandum setting forth the statements furnished and the names of the persons seeking the statements, the committee with which that person is associated and such other relevant facts as may be deemed necessary to reflect a true statement of the information furnished.

The provisions of this regulation shall not impair or affect the right or duty as may be fixed by law of any official or employee of the Administration to testify before or give information to any duly authorized Congressional committee or member thereof; nor shall this regulation require any coordination of information given to Congressional committees with the Office of General Counsel except as provided above for statements reflecting the official policies of the Administration.

(e) *Application of this section to other Government agencies.* This section shall not be applicable to official requests of other Governmental agencies or officers thereof acting in their official capacities unless it appears that compliance with such requests would be in violation of law, or contrary to the public interest. Cases of doubt should be referred to the Administrator, Associate Administrator, or General Counsel, or to the Deputy Administrator having charge of the subject matter involved.

(f) *Authority to waive this section.* The provisions of this section may be waived in proper cases by the Administrator, Associate Administrator, or General Counsel, or by the Deputy Administrator in charge of the subject matter involved.

§ 8401.16 *Addresses.* (a) The War Assets Administration, Railroad Retirement Building, Washington 25, D. C., (1) Office of the Administrator, Room 5014; (2) Office of Associate Administrator, Room 5014; (3) Advisory Council, Room 5014; (4) Compliance Enforcement Division, Room 5058; (5) General Review Board, Room 2002; (6) Deputy Administrator for Stock-Control, Room 4080; (7) Deputy Administrator for Liaison with Owning Agencies, Room 5038; (8) Office of General Counsel, Room 5050; (9) Deputy Administrator for Plans and Policies, Room 5110; (10) Deputy Administrator for Fiscal Services, Room 4058; (11) Deputy Administrator for Administrative Services, Room 2038; (12) Deputy Administrator for U. S. Territories and Possessions, Room 4018; (13) Deputy Administrator for Acquisitions, Room 5038; (14) Deputy Administrator for General Disposal, Room 3006; (15) Deputy Administrator for Information and Advertising, Room 5090.

(b) The War Assets Administration, Annex No. 2 Building, Second and Indiana Avenue, NW., Washington 25, D. C., (1) Deputy Administrator for Aircraft and Electronics Disposal, Room 369; (2) Deputy Administrator for Real Property Disposal, Room 273 A.

Issued this 1st day of December 1947.

JESS LARSON,
Acting Administrator

[F. R. Doc. 47-10676; Filed, Dec. 4, 1947; 8:45 a. m.]

[Operations Notice 2]

PART 8402—FIELD ORGANIZATION OF WAR ASSETS ADMINISTRATION

War Assets Administration Operations Notice 2, issued August 28, 1946, dated May 20, 1947 (12 F R. 3450), pursuant to section 3 of the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) entitled "Field Organization of the War Assets Administration" (11 F R. 177A-753) is hereby revised and amended as hereinafter set forth.

Sec.
8402.1 Scope.
8402.2 Regional offices.
8402.3 Zone offices.
8402.4 District offices.
8402.5 Customer service centers.
8402.6 Location sales projects.
8402.7 Rules pertaining to official documents and the disclosure of information.

AUTHORITY: §§ 8402.1 to 8402.7, inclusive, issued under 58 Stat. 765, as amended, 59 Stat. 533; 50 U. S. C. App. Sup. 1611, 1614a, 1614b; Reorganization Plan 1 of 1947, 12 F. R. 4534.

§ 8402.1 *Scope.* This part sets forth the field organization of the War Assets Administration, showing the cities in which regional offices, zone offices, district offices, and customer service centers are located, and outlining the functions and authority of the various types of field offices.

§ 8402.2 *Regional offices*—(a) *Location.* (1) Regional offices having operating jurisdiction over surplus property activities in their respective regions are located in the following cities: Anchorage, Alaska, Birmingham, Ala., Boston, Mass., Charlotte, N. C., Chicago, Ill., Cincinnati, Ohio, Cleveland, Ohio, Denver, Colo., Detroit, Mich., Honolulu, T. H., Los Angeles, Calif., Louisville, Ky., Minneapolis, Minn., Nashville, Tenn., New York, N. Y., Philadelphia, Pa., Portland, Oreg., Richmond, Va., Salt Lake City, Utah, San Juan, P. R., Seattle, Wash.

(2) Regional offices having limited responsibilities, confined chiefly to selling activities, are located in the following cities: Helena, Mont., Houston, Tex., Jacksonville, Fla., Little Rock, Ark., New Orleans, La., Omaha, Nebr., St. Louis, Mo., San Antonio, Tex., Spokane, Wash., Tulsa, Okla.

(b) *Functions.* (1) The regional offices listed in paragraph (a) (1) of this section, under the direction of a regional director, administer all activities of the War Assets Administration within the area of jurisdiction assigned to each, in accordance with the Surplus Property Act of 1944, as amended, and regulations, directives, and orders issued pursuant thereto, and in accordance with

instructions and procedures issued by the Washington office. In general, the regional office organization and its assignment of functions follow the same basic pattern as that prescribed for the Washington office in Part 8401 of this chapter.

(2) The regional offices listed in paragraph (a) (2) of this section perform functions which are confined chiefly to actual sales of personal property made in accordance with programs drawn up by the supervising zone office. These regional offices also perform inspection and warehousing functions in some instances, but all administrative, accounting, inventory control, and sales planning functions are performed directly by the supervising zone office.

(c) *Authority.* In general, regional directors are authorized to exercise wide authority and responsibility within their assigned regions without reference to the Washington or zone offices except as may specifically be provided for in the War Assets Administration regulations and procedures, and they are further authorized to redelegate to subordinate officials such part of that authority as they deem necessary to effective administration. Within the limits of their assigned functions, they are specifically authorized to award and execute contracts, documents, and other instruments necessary to effectuate the disposal of surplus property in accordance with applicable instructions as issued by the Washington office; approve and make refunds and price adjustments without limitation as to amount in cases involving payment received in error, return of deposits to unsuccessful bidders, errors in computation, and other overpayment not involving legal questions or controversial facts; approve and make adjustments of claims, up to $50,000 in the instance of any one sales contract, as may be authorized by and warranted under either express warranties or so-called "equitable adjustment clauses" contained in conditions of sale in sales memoranda and contracts; administer and conduct all personnel actions with respect to officers, employees, or applicants for employment within their respective regions involving positions below the level of division chief except those relating to suspensions from duty or separations from the service for cause; order or approve irregular or occasional overtime duty in excess of a 40-hour administrative work week; administer oaths as required by law in connection with employment; appoint Efficiency Rating Committees; execute the certificate as required by the act of March 3, 1905 (33 Stat. 1213; 44 U. S. C. 118) as to the necessity for the use of illustrations, engravings, or photographs in connection with the transaction of public business; order against contracts currently in force at the time of issuance, the publication in newspapers or advertisements, notices, and proposals relating to the disposal of surplus property pursuant to the provisions of section 3828 of the Revised Statutes (44 U. S. C. 324) execute the certificate covering the use of the telephone for official long distance telephone calls as required under section 4 of the act approved May 10, 1939. (53 Stat. 738; 31 U. S. C. 680a)

§ 8402.3 *Zone offices*—(a) *Location and area of jurisdiction.* Zone offices, exercising supervision over the regional offices indicated for each, are located in the following cities: (1) New York, N. Y., supervising the Boston, Mass., New York, N. Y., Philadelphia, Pa., and Richmond, Va., regional offices; (2) Atlanta, Ga., supervising the Charlotte, N. C., Jacksonville, Fla., Nashville, Tenn., and Birmingham, Ala., regional offices, and in addition performing the operating functions for the Atlanta, Ga., region; (3) Chicago, Ill., supervising the Chicago, Ill., Cincinnati, Ohio, Cleveland, Ohio, Detroit, Mich., Louisville, Ky., and Minneapolis, Minn., regional offices; (4) Kansas City, Mo., supervising the Denver, Colo., St. Louis, Mo., and Omaha, Nebr., regional offices, and in addition, performing the operating functions for the Kansas City, Mo., region; (5) Grand Prairie, Tex., supervising the Houston, Tex., San Antonio, Tex., New Orleans, La., Little Rock, Ark., and Tulsa, Okla., regional offices, and in addition, performing the operating functions for the Grand Prairie, Tex., region; (6) San Francisco, Calif., supervising the Los Angeles, Calif., Portland, Oreg., Seattle, Wash., Spokane, Wash., Helena, Mont., and Salt Lake City, Utah, regional offices, and in addition, performing the operating functions for the San Francisco, Calif., region.

(b) *Functions.* Under the supervision of a zone administrator, zone offices are responsible for coordinating and directing all activities of the regional, district, and other offices within the zone in a manner which will insure compliance with the Surplus Property Act of 1944, as amended, and regulations and procedures of the Washington office; for general supervision of programs and disposal progress in each region of the zone; for the efficient management of all operations and activities within the zone and for the determination of the adequacy of personnel and facilities; for facilitating inter-zonal cooperation and resolving inter-regional differences within the zone; for investigating complaints and conditions resulting in unfavorable public reaction to the activities of the Administration within the zone and taking or recommending appropriate remedial action; for performing continuous audits of accounts to insure the integrity of disposals and other operations; and for performing operating functions related to the management and disposal of surplus real properties in the zone. In addition the zone offices located at Atlanta, Ga., Kansas City, Mo., Grand Prairie, Tex., and San Francisco, Calif., are responsible for the performance of all activities normally vested in a regional office for the particular region in which the zone office is located, and perform administrative, accounting, inventory control, and sales planning and programing functions of certain regional offices in their zones which have been contracted to the point where they are chiefly sales offices.

(c) *Authority.* In general, zone administrators are authorized to represent and act for the Administrator in connection with the performance of the functions indicated herein. In addition they are assigned all the specific delegations of authority granted to regional directors, as indicated in § 8402.2 (c)

§ 8402.4 *District offices*—(a) *Location.* District offices are located in the following cities: Portland, Maine, Manchester, N. H., Burlington, Vt., Hartford, Conn., Providence, R. I., Albany, N. Y., Buffalo, N. Y., Newark, N. J., Trenton, N. J., Harrisburg, Pa., Pittsburgh, Pa., Wilmington, Del., Baltimore, Md., Washington, D. C., Charleston, W. Va., Columbia, S. C., Indianapolis, Ind., Milwaukee, Wis., Memphis, Tenn., Lexington, Ky., Columbus, Ohio, Toledo, Ohio, Fargo, N. Dak., Sioux Falls, S. Dak., Des Moines, Iowa, Cheyenne, Wyo., Wichita, Kans., Albuquerque, N. Mex., Jackson, Miss., Boise, Idaho, Reno, Nev., and Phoenix, Ariz.

(b) *Functions.* In general, district offices, under the supervision of district directors, represent the War Assets Administration in all matters relating to the surplus property disposal program within their areas of jurisdiction, with particular respect to the dissemination of information, disposal of paronal property, liaison with owning agencies, and allocations to priority claimants, in accordance with instructions and procedures prescribed by the Washington office and the appropriate regional director.

(c) *Authority.* District directors are authorized to perform such functions as are assigned to them and to redelegate to subordinate officials that part of such authority as they deem necessary.

§ 8402.5 *Customer service centers*—(a) *Location.* Customer service centers are located in the following cities: Mobile, Ala., Montgomery, Ala., Birmingham, Ala., Little Rock, Ark., Anchorage, Alaska, Phoenix, Ariz., San Francisco, Calif., San Diego, Calif., Los Angeles, Calif., Grand Junction, Colo., Denver, Colo., Hartford, Conn., Wilmington, Del., Washington, D. C., Jacksonville, Fla., Miami, Fla., Tampa, Fla., Tallahassee, Fla., Atlanta, Ga., Macon, Ga., Savannah, Ga., Boise, Idaho, Chicago, Ill., Evansville, Ind., Indianapolis, Ind., Des Moines, Iowa, Wichita, Kans., Lexington, Ky., Louisville, Ky., New Orleans, La., Shreveport, La., Portland, Maine, Baltimore, Md., Boston, Mass., Detroit, Mich., River Rouge, Mich., Minneapolis, Minn., Jackson, Miss., Kansas City, Mo., St. Louis, Mo., Helena, Mont., Omaha, Nebr., Las Vegas, Nev., Reno, Nev., Manchester, N. H., Newark, N. J., Trenton, N. J., Linden, N. J., Albuquerque, N. Mex., Albany, N. Y., Buffalo, N. Y., Long Island City, N. Y., New York, N. Y., Wilmington, N. C., Greensboro, N. C., Charlotte, N. C., Fargo, N. Dak., Akron, Ohio, Cincinnati, Ohio, Cleveland, Ohio, Columbus, Ohio, Dayton, Ohio, Springfield, Ohio, Warren, Ohio, Toledo, Ohio, Oklahoma City, Okla., Tulsa, Okla., Portland, Oreg., Harrisburg, Pa., Philadelphia, Pa., Pittsburgh, Pa., San Juan, P. R., Providence, R. I., Charleston, S. C., Columbia, S. C., Greenville, S. C., Sioux Falls, S. Dak., Knoxville, Tenn., Memphis, Tenn., Nashville, Tenn., Grand Prairie, Tex., Houston, Tex., San Antonio, Tex., Honolulu, T. H.,

Salt Lake City, Utah, Burlington, Vt., Richmond, Va., Seattle, Wash., Spokane, Wash., Charleston, W. Va., Milwaukee, Wis., Casper, Wyo., Cheyenne, Wyo.

(b) *Functions.* Customer service centers establish and maintain display rooms and make sales of surplus personal property; maintain information on current and planned sales of all regions on advertised or unadvertised commodities, including aircraft, electronics, and real property and maintain facilities for servicing priority claimants.

(c) *Authority.* Customer service center managers are authorized to perform the functions outlined herein and to redelegate to subordinate officials that part of such authority as they deem necessary.

§ 8402.6 *Location sales projects.* Location sales projects are operated from time to time at various locations throughout the continental United States. Their object is to effect clearance of surplus property located at War Assets Administration warehouses or owning agency installations through on-the-spot sales at the particular location. These projects are usually temporary in nature. Notification as to the location of any specific sale is given through public advertising, newspaper advertising, or other media.

(b) *Functions.* Either under the direct supervision or control of War Assets Administration regional office personnel or under contractual arrangements with private merchandising agencies, the location sales projects dispose of all classes of surplus capital and producer goods and consumer goods to all types of purchasers, making sales from the location where the property is actually located, and providing at the location facilities for the pre-inspection of property, sales, collection of funds, extension of credit, servicing of priority claimants, and delivery of property to purchasers.

(c) *Authority.* Location sales project supervisors are authorized to perform all functions necessary in connection with the conduct of the specific program for the clearance of the location involved and are authorized to redelegate to subordinate officials such part of that authority as they deem necessary.

§ 8402.7 *Rules pertaining to official documents and the disclosure of information*—(a) *Disposal of documents.* All records, opinions, claims, accounts, correspondence, and other official documents and exhibits attached or pertaining thereto, and copies thereof are the property of the Government. While copies of such documents may be temporarily kept in so-called personal custody of officials and employees to provide information for official use, they cannot be construed to be the personal property of officials and employees having such custody, even though other copies of such documents may be located in official files or elsewhere. Upon termination of employment in the War Assets Administration any official or employee shall surrender all official documents to his successor or to his immediate supervisor.

(b) *Confidential material.* No copy of, or information relative to, any such document or to any other official business of the Administration which appears to be of confidential nature, shall be given to any person unless such person obtains a court order or subpoena therefor, or makes application therefor in the manner hereinafter prescribed, and it appears to the Administrator, Associate Administrator, or General Counsel, or to the Deputy Administrator having charge of the subject matter involved that the furnishing thereof would not be contrary to the public interest. Applications need follow no standard form but shall be addressed to the General Counsel, and must set forth under oath the interest of the applicant in the subject matter and the purpose for which such copy or information is desired. Applications by duly accredited Governmental officials need not be under oath.

(c) *Testifying before courts, etc. (excluding Congressional committees)* War Assets Administration officials and employees are prohibited from testifying in court or otherwise with respect to information obtained in their official capacities, without the prior approval of the Administrator, Associate Administrator, or General Counsel, or of the Deputy Administrator in whose office such official or employee is employed.

(d) *Congressional committees.* In order to give direction and coordination to statements reflecting the official policies of the Administration and to assure that such statements truly and adequately reflect such official policies, officials or employees shall coordinate such statements with the General Counsel or his designated representative before making such statements or appearing before any Congressional committee. In those instances where the exigencies of the situation do not permit such coordination, any official or employee concerned shall transmit promptly to the Office of General Counsel a memorandum setting forth the statements furnished and the names of the persons seeking the statements, the committee with which that person is associated and such other relevant facts as may be deemed necessary to reflect a true statement of the information furnished.

The provisions of this regulation shall not impair or affect the right or duty as may be fixed by law of any official or employee of the Administration to testify before or give information to any duly authorized Congressional committee or member thereof; nor shall this regulation require any coordination of information given to Congressional committees with the Office of General Counsel except as provided above for statements reflecting the official policies of the Administration.

(e) *Application of this section to other Government agencies.* This section shall not be applicable to official requests of other Governmental agencies or officers thereof acting in their official capacities unless it appears that compliance with such requests would be in violation of law, or contrary to the public interest. Cases of doubt should be referred to the Administrator, Associate Administrator, or General Counsel, or to the Deputy Administrator having charge of the subject matter involved.

(f) *Authority to waive this section.* The provisions of this section may be waived in proper cases by the Administrator, Associate Administrator, or General Counsel, or by the Deputy Administrator in charge of the subject matter involved.

Issued this 1st day of December 1947.

JESS LARSON,
Acting Administrator

[F. R. Doc. 47-10677; Filed, Dec. 4, 1947; 8:45 a. m.]

[Operations Notice 3]

PART 8410—PERSONAL PROPERTY DISPOSAL

War Assets Administration Operations Notice 3 issued August 28, 1946, pursuant to section 3 of the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) entitled "Personal Property Disposal" (11 F R. 177A-755), is hereby revised and amended as hereinafter set forth.

Sec.
8410.1 Scope.
8410.2 Types of property.
8410.3 Commercial levels of trade.
8410.4 Public notice of sales.
8410.5 Methods of sale.
8410.6 Special types of disposal.
8410.7 General pricing methods.
8410.8 Consultation with industry and business organizations.
8410.9 Terms and conditions of sale.
8410.10 Methods of payment.
8410.11 Credit.
8410.12 Insurance.
8410.13 Claims and adjustments on sales transactions.
8410.14 Forms.

AUTHORITY: §§ 8410.1 to 8410.14, inclusive; issued under 58 Stat. 765, as amended, 59 Stat. 533; 50 U. S. C. App. Sup. 1611, 1614a, 1614b; Reorganization Plan 1 of 1947, 12 F. R. 4534.

§ 8410.1 *Scope.* This part states in general terms the procedures of the War Assets Administration for disposing of surplus personal property within the continental United States, its territories and possessions.

§ 8410.2 *Types of property.* Part 8301 [1] of this chapter states the types of personal property for which the War Assets Administration is designated as the disposal agency. In general, these types of personal property include capital and producers goods, consumer goods, aircraft and aircraft parts and components, electronics and communications equipment, agricultural products, food products, and certain types of maritime vessels and maritime equipment.

§ 8410.3 *Commercial levels of trade.* Concurrent with or after suitable offering to priority claimants as hereinafter described in Part 8412 of this chapter when property becomes available for commercial buyers, War Assets Administration ordinarily will offer such property for sale to the regular and normal

[1] Reg. 1 (12 F. R. 6657, 7810).

channels of trade. Ultimate consumers, i. e., persons who buy for their own personal use, generally will not be permitted to participate in sales of surplus property. The following are included among those commercial purchasers who ordinarily may buy surplus property:

(a) *Wholesalers and distributors.* Buyers (including manufacturers) who normally perform functions of wholesalers or distributors, are permitted to purchase upon the making of certain certifications.

(b) *Retailers.* Buyers who normally sell to ultimate consumers are considered to be retailers. Manufacturers and wholesalers who own, operate, or control retail stores are required to buy as retailers for their own company-owned or controlled retail stores. Groups of stores operated on a chain system of buying must buy as retailers.

(c) *Exporters.* Commercial exporters and commercial purchasing representatives for foreign governments are permitted to buy surplus property not deemed to be in short supply as "wholesalers."

(d) *Industrial and commercial buyers.* In most cases industrial and commercial buyers may purchase surplus property. Industrial and commercial buyers are those engaged in or about to engage in a business or an industry in which it is a normal practice to purchase items similar to those on sale directly from manufacturers or wholesalers. The commercial or industrial buyer shall purchase as a retailer except when he purchases in wholesale quantities and at wholesale prices for incorporation in an end product. He shall certify that the purchase is for use and not for resale in its present form.

(e) *Buying agents.* Purchasing agents, resident buyers, commission men, and others who perform the purchasing functions for the principal they represent, are permitted to participate in sales: *Provided,* They present written authorization from the principal to act in such capacity: *And provided,* They purchase in the name of the principal. These buyers shall be required to present written authorization from their principals to act in such capacity.

§ 8410.4 *Public notice of sales.* With due regard to the statutory requirements of public notice as hereinafter set forth in Part 8412 of this chapter, the Administrator gives such public notice as he deems necessary to advise priority claimants and commercial levels of trade of offerings of property for disposal. Newspapers and trade journals are common media used to give notice of prospective sales. Direct mailing of brochures, catalogues, and special listings are also used to disseminate information concerning proposed sales. Under certain circumstances radio may be used. Samples of surplus property may be displayed at War Assets Administration regional or district offices, customer service centers, sales locations, warehouses, or other public place.

§ 8410.5 *Methods of sale.* Surplus property is offered for sale by the method most adaptable to the particular type of property being offered. The following methods of sale are utilized:

(a) *Fixed price offering.* This method of sale contemplates an offering at prices and terms established by the War Assets Administration prior to the offering. The fixed price method is preferred. Every effort is made to fill orders in such a manner as to provide equitable distribution among the groups ordering and in the areas solicited.

(b) *Competitive bid offering*—(1) *Sealed bid offering.* A sealed bid offering is an offering of surplus property under stated terms and conditions by which the prospective purchasers are required to submit a bid for a stated quantity at the highest price they wish to pay, by mail or telegram, prior to a specified time. The sale is made after a public opening of all written offers.

(2) *Spot sale.* This method contemplates an offering of commodities on the spot to the highest bidder, either at the location of the property or at any other suitable place where bidders after a reasonable opportunity of inspecting the property submit written offers to the salesman in charge. Items or lots are offered one at a time and immediate announcement is made as to acceptance or rejection before another item or lot is offered.

(3) *Public auction sale.* The auction sale contemplates the sale of commodities to the highest bidder, on the basis of verbal offers to the auctioneer. Auction sales are generally held at the location of the property. They are used in lieu of a spot sale when deemed advisable.

(c) *Negotiated sale.* A negotiated sale is a sale of surplus property at prices and at terms arrived at by agreement between War Assets Administration and the purchaser. This method of sale may be used when other methods of sale are not feasible or have proved unsuccessful.

§ 8410.6 *Special types of disposal.* In certain instances, because of the nature of the property or the quantities involved, special disposal methods are employed. These special methods of disposal are:

(a) *Industry agency agreements.* An industry agency agreement is an agreement between War Assets Administration and the manufacturer, distributor, or dealer who handles the property involved, whereby the manufacturer, distributor, or dealer undertakes the disposal of the commodities covered by the agreement. This method is used when it has been determined that the class of property involved is of such a highly specialized or technical nature that proper disposal can be made only by qualified specialists in the industry or when a major portion of the property in question requires servicing, rehabilitation, or conversion and this service can best be performed by a manufacturer of the particular kind of property.

(b) *Loan of property.* Property of a substantially durable or practically indestructible nature may be loaned by War Assets Administration to private individuals or companies, or Government entities to permit experimentation and research in order to develop new uses for the property.

(c) *Leases.* (1) Surplus personal property may be leased by War Assets Administration for monetary considerations to an individual or concern or a Government entity for specified periods of time. Leases of personal property are limited to property which will not be substantially damaged or altered by extended use and which will be useful in the production of goods for the civilian economy, such as machine tools, production equipment, railroad equipment, and other property as determined by the Administrator.

(2) Types of property suitable for lease to commercial users are equally available to non-commercial users. Regional directors may negotiate leases with State governments, their political subdivisions and instrumentalities, and with eligible nonprofit institutions or instrumentalities upon request by such entities. Leases to non-commercial users may be negotiated for any period of time not to exceed the estimated useful life of the property involved and may include provisions for an option to buy.

(d) *Donations.* Property having no commercial value or property for which the cost of care, handling, and disposition will exceed the proceeds, is available for donation to agencies or institutions supported by the Federal Government or agencies or institutions supported by any State or local government, or to nonprofit, educational, or charitable institutions.

§ 8410.7 *General pricing methods*—(a) *Considerations on which price is based.* Prices are based on the widest range of price data available. Information may be obtained from market surveys, manufacturers' catalogues, formulas such as the Clayton Formula, and from previous sales by the War Assets Administration. Offerings generally are f. o. b. common carrier (cars or trucks) but delivered prices and freight differentials may be established. Where fixed prices are applied, consideration will be given to location, condition, demand, packaging and packing, and special treatment applied for military requirements and the fact that the War Assets Administration is not a continuous source of supply in any line of goods. Each of the above represents a factor in establishing prices.

(b) *Lot sizes.* Minimum lot sizes are established to conform to normal commercial practices. Consideration is primarily given to the needs of small business in establishing lot sizes. Minimum lot sizes are so established as to move the property in volume and yet achieve a reasonable distribution of the quantity available. Maximum sizes are established to achieve equitable distribution when an offering of property is likely to be over-ordered.

(c) *Price differentials.* In many cases, in the fixed-price method of sale, prices are set for two levels of trade, i. e., wholesale and retail. The differential between these prices corresponds to that which is normal in the trade, and reflects the difference in the cost of the distributive functions performed. Large retailers who normally purchase in quantities far in excess of the small retailer

and the small wholesaler, generally receive a discount of not more than five (5) percent below the prices to small retailers. However, where it is the normal commercial practice, or where unusual circumstances exists, a uniform price may be established to all buyers regardless of the level of trade or quantity purchased.

§ 8410.8 *Consultation with industry and business organizations.* The War Assets Administration avails itself of the experience and knowledge of business and industry by consultation with representative members. Also, liaison is maintained by the national and regional offices of the War Assets Administration with business and veterans organizations, trade association and civic groups to disseminate information concerning surplus property disposal activities.

§ 8410.9 *Terms and conditions of sale*—(a) *General.* In accordance with section 15 of the Surplus Property Act of 1944, as amended, War Assets Administration, as a disposal agency, is authorized to dispose of surplus property by sale, exchange, lease, or transfer for cash, credit, or other property, with or without warranty, and upon such other terms and conditions as the agency deems proper: *Provided,* That in the case of raw materials, consumer goods and small tools, hardware, and non-assembled articles which may be used in the manufacture of more than one type of product, no extension of credit shall be for a period longer than three years.

(b) *Standard conditions of sale.* War Assets Administration generally offers surplus personal property subject to the following standard conditions of sale. The standard terms and conditions of sale and any special conditions contained therein constitute the entire agreement between the parties with respect to the sale of surplus property specified in the bid or offer. No variations therefrom or modifications thereof, and no representations made or warranties given by any representative, agent, or employee of seller in variation thereof shall be of any effect unless specified in writing and included therein. The conditions of sale are as follows:

(1) Unless credit is established, payment in full must be made by currency, cashier's check, certified check, purchaser's own check, acceptable at the discretion of War Assets Administration, or money order, prior to shipment of property or its removal by purchaser.

(2) Seller makes no warranty, either express or implied, with respect to the property covered by the sales memorandum, except (i) seller warrants it has the right to transfer title to the property, and (ii) seller warrants the accuracy of the description of the property: *Provided, however* That if the property is described as new, seller warrants only that it has not been used. Seller's liability under this paragraph shall not exceed the amount of the purchase price, except for actual expenses incurred by the purchaser for freight, warehousing, handling, or similar charges incurred by the purchaser as a result of fault or negligence on the part of the seller and, through no fault or negligence of the purchaser. Seller makes no representation to the effect that there will be no reduction or decline in prices of similar or identical surplus property on any sales occurring simultaneously with or subsequent to this contract of sale.

(3) Sales are subject to such adjustment upon the request of the purchaser as the War Assets Administrator, or his authorized representative, in his sole discretion, may determine to be equitable under the circumstances, and any such determination shall be final. Requests for such adjustments will be considered only if filed in writing in the office of War Assets Administration responsible for the sale within fifteen (15) days (or such additional period as may be allowed in writing by the Administrator or such representative) after removal of the property by purchaser or delivery by a common carrier at the original destination.

(4) In case of error in the extension of prices, the unit price will govern.

(5) Unless otherwise specifically stated, all sales are made f. o. b. common carrier (cars or trucks) and shipping expenses will be paid by the purchaser. Seller assumes no responsibility and undertakes no expense for packing or preparing property to meet the requirements of ocean carriers. Specific shipping instructions from purchaser must be received by the seller within fifteen (15) days from the date of seller's request to purchaser to furnish shipping instructions and to make remittance (except where credit has been established) If the purchaser shall give shipping instructions asserting that he himself will remove the property prior to the expiration of the fifteen (15) day period specified herein, then he must also furnish alternative shipping instructions. Such alternative directions shall give the name of a consignee and the destination to which the property shall be shipped by the seller in the event that the purchaser should fail to comply with his undertaking to remove the property within the fifteen (15) day period specified herein. The seller will not ship the property to more than one destination, except in cases where separate shipments each constitute a carload or truckload. An agent of the carrier may not be designated as consignee. Shipping instructions must be given in writing or by telegraphic communication. Title shall pass upon delivery to the purchaser or to the common carrier for the purchaser.

(6) If purchaser fails to issue shipping instructions or to remove the property within the period prescribed in subparagraph (5) of this paragraph, the risk of loss, damage, or destruction of the property shall be upon purchaser. In the event of such failure, the purchaser shall, upon demand, pay to the seller reasonable storage charges if the property is stored on premises owned or controlled by the Government, or the seller may store the property elsewhere for the account and at the expense of the purchaser. The seller may also, upon such failure or in the event of default on the part of the purchaser in making payment, issuing shipping instructions, or otherwise, after the applicable period prescribed in paragraph (b) (5) of this section, rescind the sale, or resell the property for the account of the purchaser upon such terms and conditions as it deems proper, and the purchaser shall, upon demand, pay to the seller, the amount of all losses and expenses incurred by reason of such failure or default. The exercise by the seller of one or more of the rights herein specified will not preclude the seller from exercising any other rights it may have against the purchaser.

(7) If the property covered by this contract of sale is lost, damaged, or destroyed otherwise than by the fault or negligence of the purchaser prior to removal or shipment during the applicable period prescribed in subparagraph (5) of this paragraph for removal or the issuance of shipping instructions, the seller's liability shall, at the election of the seller, be limited to the replacement of the property lost, damaged, or destroyed, or refunding any amount paid by purchaser thereof.

(8) Seller shall not be liable for delay in shipping or loading the property covered by this contract of sale due to causes beyond its control and without its fault or negligence, including without limitation, acts of God or the public enemy, acts or request of any State or local governmental officer or agent purporting to act under authority, floods, fires, epidemics, quarantine restrictions, riots, sabotage, freight embargoes, transportation failures, transportation restrictions imposed by State or Federal agencies, strikes, lockouts, and disputes with workman.

(9) Seller reserves the right to cancel the contract of sale without liability in cases where the purchaser is an agent acting for an undisclosed principal if such action is determined by the War Assets Administrator to be in the public interest.

(10) No member of or delegate to Congress, or resident commissioner of the United States of America shall be admitted to any share of profit in the contract of sale or to any benefit that may arise therefrom unless it be made with a corporation for its general benefit.

NOTE: In the event that there are any special conditions qualifying or supplementing the standard provisions, such special conditions shall be indicated in the contract of sale.

(c) *Special conditions of sale.* In some instances these conditions of sale are modified to meet the needs of a particular sale or to meet the needs in the sale of a particular class of property. In the case of the sale of aircraft, sales are sold on an "as is, where is" basis.

(d) *Standard terms of sale.* Standard terms of sale may be used for fixed price sales, for sealed bid sales, and for spot bid sales. Such standard terms are as follows:

(1) *Fixed price terms.* War Assets Administration reserves the following rights in connection with the sale of surplus property by fixed prices. (i) to reject any and all offers; (ii) to withdraw all or any part of the property included in the offering at any time prior to a contract of sale; (iii) to award any or all of

the items contained in offers where such offers are not qualified by specific limitation; and (iv) to require a deposit. If a deposit is required and the offer is not accepted, the deposit will be returned. If the offer is accepted in whole or in part, the deposit may be applied toward the purchase price and any excess will be returned. Moreover, if a default occurs on the part of the offerer, the deposit may, at the election of the Government, be retained by the Government as liquidated damages or may be applied against damages resulting from the resale of the property for the account of the purchaser. Prospective purchasers are urged to inspect the property offered for sale. Arrangements for inspection may be made at the nearest office of War Assets Administration.

(2) *Sealed bid terms*—(i) *Special notice to be endorsed on envelope.* Unless otherwise directed in the solicitation, bids shall be submitted in duplicate. Each bid shall be enclosed in a sealed envelope plainly marked in the lower left-hand corner of the envelope as indicated on the invitation.

(ii) *Form of submission.* All designations and prices should be fully and clearly set forth. Each bid must give the full business address of the bidder and be signed by him with his usual and complete signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name and by one of the members of the partnership or by an authorized representative, followed by the official designation of the person signing. The name of the person signing shall be typed, printed, or otherwise reproduced adjacent to signature.

(iii) *Withdrawal of bids.* Bids may be withdrawn or modified by written or telegraphic notice received from bidders prior to the date fixed for opening of the bids. Once the opening of bids has occurred, no bid may be withdrawn for a period of fifteen (15) days.

(iv) *Inspection.* Prospective purchasers are urged to inspect property, and arrangements for inspection may be made through the nearest office of War Assets Administration.

(v) *Bids of all or part.* Where bids are not qualified by specific limitations, the Government reserves the right of awarding any or all of the items included in the bids.

(vi) *Deposits.* The Government reserves the right to require a deposit. If a deposit is required and the bid is not accepted, the deposit will be returned. If the bid is accepted in whole or in part, the deposit may be applied toward the purchase price and any excess will be returned. Moreover, if a default occurs on the part of the bidder, the deposit may, at the election of the Government, be retained by the Government as liquidated damages or may be applied against damages resulting from the resale of the property for the account of the purchaser.

(vii) *Withdrawal of property.* The Government reserves the right to withdraw any or all property included in the competitive bid sale at any time prior to the giving of a formal notice of award.

(viii) *Rejection of bids.* The Government reserves the right to reject any and all bids, regardless of whether the same constitutes the highest bid, and also to waive any informality in connection with the submission of bids.

(ix) *Agreements affecting bidding.* The bidder warrants and represents that he has not directly or indirectly entered into any agreement or arrangement, either expressed or implied, of any nature which would affect full, free, and proper competitive bidding upon any of the items covered by this competitive bid sale.

(2) *Spot bid terms*—(i) *Method of submitting bids.* Bid cards will be furnished to the bidders in advance of the bidding. An individual card will be used for each lot or unit to be separately sold. The bid cards will show the item number, the amount bid thereon, and the signature, followed by hand printed or typed name and address of the bidder. Where a registration number has been issued to a bidder, such registration number must also appear on the bid card.

(ii) *Registration.* Bidders may be required to register in advance of the sale. Where such registration is required, bidders may be requested to certify their eligibility to purchase at the time of such registration.

(iii) *Mail or telegraphic bids.* Unless specific public announcement to the contrary is given in advance of the date of the sale, mailed or telegraphic bids may be submitted: *Provided*, Such bids reach the office of War Assets Administration in charge of the spot bid sale prior to time announced for the beginning of the sale. Where the bids are mailed, each bid must cover a separate lot or unit to be separately sold, and each bid must be enclosed in a separate envelope plainly marked on the outside to show the item number and the offering or spot bid sale number. In the event telegraphic bids are used, it will be necessary to send a separate telegram for each lot or for each unit to be separately sold. Moreover, such mailed or telegraphic bids may be rejected at the election of War Assets Administration unless credit has been established or unless ten (10) percent of the bid amount accompanies the bid.

(iv) *Execution of contracts and payment.* Formal sales documents will be prepared immediately following the sale. Purchasers may be required to make full payment upon delivery of sales document at the location of the spot bid sale. Where sales documents are not completed immediately, a deposit will be required pending completion. If a deposit is required and the bid is not accepted, the deposit will be returned. If a default occurs on the part of the bidder, the deposit may, at the election of the Government, be retained by the Government as liquidated damages or may be applied against damages resulting from the resale of the property for the account of the purchaser.

(v) *Announcement of awards.* Bid cards will be collected on the location of the sale. After comparison has been made with sealed or telegraphic bids, an announcement will be made of the highest acceptable bid or of the rejection of all bids, or of the fact that bids will be held for fifteen (15) days pending final determination of the award.

(vi) *Agreements affecting competitive bidding.* The bidder warrants and represents that he has not directly or indirectly entered into any agreement or arrangement, either expressed or implied, of any nature which would affect, full, free, and proper competitive bidding upon any of the items covered by this competitive bid sale.

(vii) *Rejection of bids.* The Government reserves the right to reject any and all bids, regardless of whether the same constitutes the highest bid and also to waive any informality in connection with the submission of bids.

(viii) *Inspection.* Prospective purchasers are urged to inspect property, and arrangements for inspection may be made through the nearest office of War Assets Administration.

(e) *Submission to the Attorney General.* In the case of any proposed disposal to private interests of personal property which cost the Government one million dollars or more a statement of such proposed disposal is submitted to the Attorney General as required by section 20 of the Surplus Property Act of 1944, as amended.

§ 8410.10 *Methods of payment.* Unless the property offered is salable on credit and the purchaser has made prior arrangements for the extension of credit, payment shall be made before the release of the property in United States coins and currency, money order, certified check, cashier's check, check issued by a recognized finance company, traveler's check, United States Government check, the purchaser's own check, or draft drawn under irrevocable letter of credit. Cashiers may accept uncertified checks of business enterprises in payment for merchandise purchased. Uncertified checks of individuals other than individuals operating a business, may be accepted for small amounts.

§ 8410.11 *Credit.* Credit may be granted to purchasers of surplus property: *Provided*, That the property is to be used for business purposes including professional and agricultural enterprises and not for private use. The applicant for credit must provide credit information and references similar to those provided for any business credit transaction. The following credit terms have been extended:

(a) *Open accounts.* On open accounts, payment is generally required thirty (30) days after release of the goods by the War Assets Administration.

(b) *Installment plan.* Where purchase is of surplus property classified as durable, and the property is to be used in a business and not for resale, installment credit may be given. A down payment and periodic payments normally are required.

(c) *Special credit arrangements.* Special credit arrangements may be made if the purchaser's credit needs require such arrangements.

§ 8410.12 *Insurance.* Insurance coverage satisfactory to the Administration

is required upon all personal property leased or sold on a purchase money mortgage or installment basis. The cost of insurance is borne by the lessee or purchaser. Generally, open policies, which automatically attach at the time of sale and continue so long as the Government retains an unsatisfied interest in the property, are used. Insurance coverage varies depending upon the method of the disposal transaction and the type of property involved as indicated below:

(a) *Personal property other than motor vehicles or aircraft.* Personal property other than motor vehicles or aircraft is insured against the perils of fire, lightning, windstorm, hail, explosion (except steam boiler or machinery explosion losses) aircraft or motor vehicle damage, smoke, riot, strike or civil commotion, vandalism and malicious mischief, collision or derailment of conveyance while in transit, earthquake and flood or water. If the property involved includes power plants or certain types of machinery, such as turbines, large fly wheels, etc., where an internal explosion factor is present, boiler or machinery explosion insurance on the conventional policy form is required in addition to the open policy coverage.

(b) *Motor vehicles.* Motor vehicles are insured against the exposures of fire, lightning, transportation perils, theft, windstorm, explosion, hail, earthquake, flood, riot or civil commotion, aircraft, and collision or upset ($50 deductible)

(c) *Aircraft.* The purchaser of aircraft is required to provide aircraft full insurance covering airplanes sold on an installment basis for a period of time not less than one (1) year. Coverage written on a component parts basis is not acceptable, unless that form applies only to the purchaser. Two methods of coverage are acceptable: (1) single interest coverage of the Government's interest under open policies obtained by War Assets Administration; and (2) dual interest coverage of the Government's and purchaser's interests obtained by the purchaser from underwriters acceptable to the Government.

§ 8410.13 *Claims and adjustments on sales transactions.* War Assets Administration makes such adjustments or settles such claims as may be required under express warranties of the sales contract or as may be determined to be equitable under the "equitable adjustment clause" of the sales contract. Adjustments may be allowed to discharge probable legal liabilities or to discharge probable equitable liabilities created without fault of the purchaser. All claims must be submitted in writing by the original purchaser or his properly authorized representative to the Claims Division of the regional office through which the purchase was made, within the time specified by the sales contract. No particular form of claim is required. However, the letter of claim should clearly identify the sales transaction, state the basis for the claim, and specify the amount of adjustment claimed. A form for filing claim will be supplied upon request. Appeals from decisions on claims by regional offices will be entertained by the Washington office. Such appeals should be filed with the regional office rendering the original decision.

§ 8410.14 *Forms.* Because of the variance in circumstances and conditions of each disposal, forms used for purchasing surplus personal property have not been standardized for all types of sales. Representative forms which have proved satisfactory in applicable cases, such as offers to purchase, priority certifications, and credit applications, as well as complete information on personal property disposal, may be obtained from any War Assets Administration office.

Issued this 1st day of December 1947.

JESS LARSON,
Acting Administrator

[F. R. Doc. 47-10678; Filed, Dec. 4, 1947; 8:45 a. m.]

[Operations Notice 4]

PART 8411—REAL PROPERTY DISPOSAL

War Assets Administration Operations Notice 4, issued August 28, 1946, pursuant to section 3 of the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) entitled "Real Property Disposal" (11 F R. 177A-753) is hereby revised and amended as hereinafter set forth.

Sec.
8411.1 Scope.
8411.2 Types of surplus real property for which War Assets Administration is the disposal agency.
8411.3 Classification.
8411.4 Priority claimants.
8411.5 Period allowed for exercise of priorities.
8411.6 Public notice.
8411.7 Methods of disposal.
8411.8 Pricing.
8411.9 Terms and conditions of sale.
8411.10 Credit.
8411.11 Insurance.
8411.12 Forms.

AUTHORITY: §§ 8411.1 to 8411.12, inclusive, issued under 58 Stat. 765, as amended, 59 Stat. 533; 50 U. S. C. App. Sup. 1611, 1614a, 1614b; Reorganization Plan I of 1947, 12 F. R. 4594.

§ 8411.1 *Scope.* In disposing of surplus real property, the War Assets Administration performs a dual function: One function relates to promulgating regulations governing the disposal of surplus real property in conformity with the objectives and provisions of the Surplus Property Act of 1944, as amended; and the other function relates to the disposal responsibilities of War Assets Administration as a designated disposal agency. This part outlines the procedures of War Assets Administration solely as an agency designated for the disposal of surplus real property.

§ 8411.2 *Types of surplus real property for which War Assets Administration is the disposal agency.* Pursuant to the provisions of War Assets Administration Regulation 1, Part 8301 [1] of this chapter, War Assets Administration is designated the disposal agency for surplus real property of every type and classification located in the continental United States with the following exceptions:

(a) The Department of Agriculture is designated as the disposal agency for surplus section 23 real property [2] which is classified as agricultural, forest, grazing, or mineral.

(b) The Federal Works Agency is designated as disposal agency for all surplus real property assigned to it prior to the 29th day of January 1947, for disposal.

(c) The Department of the Interior is designated as disposal agency for all surplus real property classified as grazing or mineral property which was assigned to it prior to the 23d day of February 1947 for disposal.

(d) The National Housing Agency is designated as disposal agency for all surplus real property which was assigned to it prior to the 29th day of January 1947 for disposal.

Notwithstanding the above exceptions, War Assets Administration may dispose of any real property referred to in the foregoing exceptions when the Administrator determines that it will facilitate disposal to designate War Assets Administration as the disposal agency.

§ 8411.3 *Classification.* By the provisions of Part 8301 of this chapter and orders issued thereunder, all declaration of surplus real property are made to the Administrator. Each such declarations is screened and classified to determine the highest and best use of the property and the disposal agency or agencies to which the property is to be assigned.

§ 8411.4 *Priority claimants.* The Surplus Property Act of 1944, as amended, directs disposal agencies to grant a priority in the purchase of surplus real property to certain classes of purchasers. These classes of purchasers differ with the type of property being offered. The priority claimants and their status for each type of property under the disposal jurisdiction of War Assets Administration are as follows:

(a) *Industrial real property.* For industrial real property, including pipe lines and facilities, railroads, and power plants, and facilities and power transmission lines and rights of way, and marine industrial real property the sequence of priority is (1) Government agencies, (2) the Reconstruction Finance Corporation acquiring property for resale to purchasers which it considers to be small business under section 18 (e) of the Surplus Property Act of 1944, as amended, and (3) State or local governments.

(b) *Airport property.* For airport property (surplus real property, other than that classified as "industrial" which, in the determination of the Civil Aeronautics Administrator, is essential, suitable, or desirable, for the development, improvement, operation, or maintenance of a public airport as defined in the Federal Airport Act (60 Stat. 170) or reasonably necessary to fulfill the immediate and foreseeable future require-

[1] Reg. 1 (12 F. R. 6657, 7810).

[2] Defined in Part 8305, par. 8305.1 (b) (23) (12 F. R. 2028, 3833).

ments of the grantee for the development, improvement, operation or maintenance of a public airport) the sequence of priority is (1) Government agencies, (2) State and local governments, and tax-supported institutions, and (3) the Reconstruction Finance Corporation for resale to small business.

(c) *Non-industrial real property.* When War Assets Administration is designated the disposal agency for any surplus non-industrial real property, other than airport property, the sequence of priorities is (1) Government agencies, (2) the Reconstruction Finance Corporation acquiring property for resale to purchasers which it considers to be small business under section 18 (e) of the Surplus Property Act of 1944, as amended, (3) State or local governments, (4) the applicable priorities enumerated in section 23 of the Surplus Property Act of 1944, as amended, and (5) nonprofit institutions.

(d) *Emergency housing.* A special provision has been made to offer to Federal Public Housing Authority structures which may be suitable for emergency housing and which can be disposed of separately from the other realty.

§ 8411.5 *Period allowed for exercise of priorities.* Priority claimants are allowed a period of ten (10) days commencing on the date of the first publication of notice of availability of the surplus real property in which to exercise their priority, except that:

(a) In those cases in which a former owner is entitled to a priority, the former owner and all subordinate priority groups are entitled to a priority period of ninety (90) days following first publication of the notice of sale; and

(b) The Reconstruction Finance Corporation may exercise its priority for the acquisition of surplus industrial real property for resale to small business up to and including the last day provided for the submission of bids for the purchase of such property.

§ 8411.6 *Public notice*—(a) *General.* Public notice of the availability of surplus real property for sale is made by the use of legal publication advertising, newspaper, trade journal or other publication advertising, or through the mailing of letters, circulars, brochures, and such other media as may be deemed advisable. Such information usually includes a description of the property and its location and may include possible uses for which the property is adaptable.

(b) *Notification of priority claimants.* In addition to the public notice set forth in paragraph (a) of this section, Federal agencies, State and local governments, and former owners are notified by letter of the availability of surplus real property. Such letters may include a copy of the advertisement or the notice of availability.

§ 8411.7 *Methods of disposal.* Surplus real property is disposed of by the method which is deemed to be in the best interests of the United States. The following methods of disposal are generally used:

(a) *Sale and transfer.* The sale and transfer of surplus real property are preferred when such disposals will best meet the objectives of the Surplus Property Act of 1944, as amended.

(b) *Lease.* Surplus real property may be leased when it is determined that the best interests of the Government will be served by lease rather than by conveyance of the fee title of the particular property involved. In addition interim permits and revocable leases may be utilized to insure continuous utilization of a particular property pending final disposition. Where the property is of such size or where other factors intervene, portions of a particular property may be leased to different individuals under a multiple tenancy lease agreement or portions may be leased with other portions conveyed.

(c) *Donations.* Surplus real property is transferred without consideration only in those cases in which the property has no commercial value or the cost of care and handling and disposition would exceed the estimated proceeds of the sale thereof. Such transfers are only made to an agency of the Federal government, any State or local government, or to nonprofit educational or charitable organizations.

(d) *Abandonment.* Surplus real property may be abandoned when it has been contaminated through military uses and the cost of reclamation would exceed the value recoverable by selling, lease or otherwise, or when utilization of such property would endanger life and health. In addition surplus real property may be abandoned when all other methods of disposal have been found to be impracticable.

§ 8411.8 *Pricing*—(a) *General.* In general, surplus real property is sold at fixed prices to priority claimants and to nonpriority purchasers at the highest bid or a negotiated price. Offers for the purchase or transfer of surplus real property are received in writing from prospective purchasers or priority claimants after notice of sale is first published. In the case of priority claimants, prices for all real property except airports are established at the fair value of such property. Fair value of the property is determined after impartial appraisal of the property by War Assets Administration or independent appraisers acting on behalf of War Assets Administration. Such appraisals are made on the basis of the highest and best use of the property at the time it is reported as surplus, regardless of its former character or use. Exceptions are provided for in the following cases (1) transfers to Government agencies authorized by law to acquire surplus real property without reimbursement or transfer of funds, (2) sales to persons exercising the priority accorded a former owner and the tenant of a former owner under section 23 of the Surplus Property Act of 1944, as amended, which are made at a price not greater than that for which it was acquired by the United States, such acquisition price being properly adjusted to reflect any increase or decrease in the value of such property resulting from action by the United States, or a price equal to the market price at the time of sale of such property, whichever price is the lower, and (3) sales of street or highways over surplus section 23 real property, are made at a price not exceeding that paid therefor by the Government.

(b) *Airports.* Airport property is sold to priority purchasers at a price which is substantially the same as the estimate of fair value except that a transfer without reimbursement to another Government agency may be made where authorized by law, or disposal to any State or local government or tax-supported institution may be made without a cash payment, in consideration of the acceptance by such State or local government of the reservations, restrictions, and conditions imposed by the Administrator.

§ 8411.9 *Terms and conditions of sale*—(a) *General.* Because of the differing character of lots of surplus real property, terms of sale may vary according to the lots being offered. All surplus real property is offered subject to the right of War Assets Administration as a disposal agency to reject any or all bids or offers, to withdraw all or any part of the property prior to the completion of a sale and to require a deposit. Commercial buyers are required to show evidence of their financial responsibility and may be required to meet such conditions relating to the use of the property as the Administrator may deem necessary in the public interest.

(b) *Conditions relating to the resale or use of surplus real property.* Unless otherwise authorized by the Administrator, each priority claimant, as well as any person acquiring surplus industrial real property, shall certify in writing that he is acquiring the property for the uses and purposes set forth in his proposal and (1) if a purchaser, that he is not acquiring it for the purpose of reselling it and in no case will he resell it within two (2) years without first obtaining the written authorization of the Administrator, (2) that if a lessee, that he will not assign the lease or sublet all of the property without prior written consent of the Administrator, nor will he sublet any portion of the premises without such approval except as permitted under the terms of the lease. Such restrictions as to resale or lease of surplus real property do not apply to conveyances to former owners or tenants of former owners acquiring surplus section 23 real property through the exercise of their priorities or to conveyances of airport property, or war housing, or other structures and improvements sold for removal from the site. Purchasers buying on credit are required to agree that they will not resell or lease the property until final payment is made unless they obtain the prior written authorization of the Administrator. Upon the request of the owning agencies or any other interested Government agency, War Assets Administration requires the purchaser of a specific plant to enter an agreement to the effect that the facilities shall be continuously available for any future Government defense needs upon mutually acceptable terms. Such representation and agreements are contained in the instrument of transfer or lease.

(c) *Methods of payment.* Payment for surplus real property by commercial purchasers shall be made on a cash or credit basis. Unless prior arrangements for the extension of credit have been made, payment is required, before the release of the property, in currency or other negotiable instruments.

(d) *Submission to the Attorney General.* In the case of any real property costing one million dollars or more a complete statement of any proposed disposal to private interests is made available to the Attorney General as required by section 20 of the Surplus Property Act of 1944, as amended.

§ 8411.10 *Credit.* Credit may be granted to purchasers of surplus real property when considered appropriate. The applicant for credit must provide credit information and references similar to those provided for any commercial credit transaction. When credit is extended, a down payment of twenty (20) per cent of the full purchase price is generally required with the balance to be paid quarterly over a period not to exceed ten (10) years and with interest at an annual rate of four (4) per cent on the unpaid balance.

§ 8411.11 *Insurance.* Insurance coverage satisfactory to the Administrator is required upon all real property leased or sold on a purchase money mortgage or installment basis. The cost of insurance is borne by the lessee or purchaser.

(a) *Leases.* All lessees are required to provide fire, and supplementary coverage for the full insurable value of all insurable property, and special public liability insurance coverage and boiler and machinery or automobile fire and theft (comprehensive) insurance if applicable. War Assets Administration as a disposal agency has made arrangements to continue the broad forms of fire and supplementary coverage and public liability insurance, with appropriate modifications which were made available by underwriters to the Defense Plant Corporation under its war time leasing program.

(b) *Purchase money mortgage or installment sales.* Fire and extended coverage insurance written in accordance with commercial practices is required covering all property, boiler and machinery coverage is required when applicable, such policies to bear appropriate loss payment clauses. War Assets Administration may also require that purchasers carry certain other insurance coverage, such as workmen's compensation and employees' liability, public liability, use and occupancy, when failure to carry such coverage may otherwise jeopardize the purchaser's financial responsibility.

§ 8411.12 *Forms.* Quit-claim deed forms have been prescribed by the Attorney General for the various jurisdictions. Standard forms prescribed by Title 41 of the U. S. Code, annotated, promulgated by the Bureau of Federal Supply, United States Treasury Department, are used where applicable. In all other cases individual types of contracts are drafted for each specific type of case.

Issued this 1st day of December 1947.

JESS LARSON,
Acting Administrator

[F. R. Doc. 47-10679; Filed, Dec. 4, 1947; 8:46 a. m.]

[Operations Notice 5]

PART 8412—DISPOSAL OF SURPLUS PERSONAL PROPERTY TO PRIORITY CLAIMANTS

War Assets Administration Operations Notice 5, issued August 28, 1946, pursuant to section 3 of the Administrative Procedure Act (Pub. Law 404, 79th Cong., 60 Stat. 237) entitled "Disposal of Surplus Personal Property to Priority Claimants" (11 F R. 177A-759) is hereby revised and amended as hereinafter set forth.

Sec.
8412.1 Scope.
8412.2 Sequence of general priority.
8412.3 Special priority; set-asides for veterans.
8412.4 Circumstances under which property may be disposed of without regard to priority claimants.
8412.5 Reserves of property not on the set-aside list.
8412.6 Public notice and period during which property is held for priority claimants.
8412.7 Veterans.
8412.8 Pricing.

AUTHORITY: §§ 8412.1 to 8412.8, inclusive, issued under 58 Stat. 765, as amended, 59 Stat. 533; 50 U. S. C. App. Sup. 1611, 1614a, 1614b; Reorganization Plan 1 of 1947, 12 F. R. 4534.

§ 8412.1 *Scope.* The Surplus Property Act of 1944, as amended, and regulations issued thereunder, Parts 8302[1] and 8414[2] of this chapter, prescribe certain classes of purchasers who are entitled to priority in their purchase of surplus property. This part outlines the procedures of War Assets Administration in effecting disposal of surplus personal property to priority claimants.

§ 8412.2 *Sequence of general priority.* The classes of purchasers entitled to priority in their purchase of surplus property and the sequence in which orders from each class will be filled are as follows:

(a) Federal agencies for their own use;

(b) Veterans for use in their own small business, professional, or agricultural enterprise;

(c) Federal Works Agency under Public Law 697, 79th Congress;

(d) The Reconstruction Finance Corporation buying for resale to small business;

(e) State and local governments, their political subdivisions or instrumentalities for their legitimate needs; and

(f) Eligible nonprofit institutions; certified by the Priority Claimants Division of the War Assets Administration.

No priority status will be accorded claimants desiring to purchase in the status of a broker.

§ 8412.3 *Special priority; set-asides for veterans.* (a) Pursuant to Pub. Law 375, 79th Congress, amending the Surplus Property Act of 1944, the Administrator is authorized to set aside or otherwise make available such quantities and types of any surplus personal property which he determines to be appropriate for the exclusive disposal to veterans, either for their own personal use or to enable them to establish and maintain their own small businesses, professional or agricultural enterprises. Items of surplus property both new and used are placed upon the set-aside list after due consideration of the following factors:

(1) That the item is in short supply;

(2) That the foreseeable demand from veterans, based upon available data, exceeds the supply on hand or the supply likely to become available;

(3) That the item is of such a character as to be readily adaptable to disposal in single units or quantities suitable for personal use; and

(4) That there are other factors which make such selection advisable.

(b) A veteran may purchase such set-aside items by presenting his discharge papers or honorable release to inactive duty (U. S. Navy), and by signing at the time of purchase a certificate of service.

§ 8412.4 *Circumstances under which property may be disposed of without regard to priority claimants.* Without regard to the priorities hereinabove set forth, the following dispositions of surplus property may be made:

(a) Transfers to the National Military Establishment pursuant to Public Law 364, 80th Congress;

(b) Transfers to the National Housing Authority pursuant to section 502 (b) of Public Law 292, 79th Congress, as amended;

(c) Transfers pursuant to Public Law 75, 80th Congress;

(d) Transfers to Federal Works Agency pursuant to Public Law 233, 80th Congress, except that such transfers pursuant to section 502 (a) of Public Law 697, 79th Congress, are subject to certain provisions covering set-asides for veterans and establishing priorities for Government agencies and veterans;

(e) Disposals to supply the needs of armed forces;

(f) Disposals of trucks, machinery or equipment (including farm supplies) to farmers or farmers' cooperatives where such disposals are made by the Administrator pursuant to the provision of Part 8303[3] and are based upon a finding by the Secretary of Agriculture that farm production is impaired or threatened to be impaired;

(g) Disposals where surplus property is of such a nature or is in such condition that its immediate disposal is necessary to prevent deterioration, spoilage, loss, or serious damage;

(h) Disposals where the Administrator upon application to him finds that it is

[1] Reg. 2 (12 F. R. 5586).
[2] Reg. 14 (11 F. R. 11505; 12 F R. 257).
[3] Reg. 3 (11 F. R. 11136).

impracticable or uneconomical to effect disposition to priority claimants;

(i) Disposals where the nature or condition of any surplus property is such that it is not usable or safe for use by the consumer in its existing form without processing, reprocessing, or repackaging;

(j) Disposals where the cost of all substantially similar items at any one location is less than $300, or when the cost of any group of identical items normally constituting a single entry upon a Government declaration of surplus property does not exceed $100.

§ 8412.5 *Reserves of property not on the set-aside list.* Based upon estimates of the requirements of priority claimants, all or a portion of any type of surplus property may be reserved for sale specifically to such claimants during the period of time set forth in § 8412.6. Any portion of the surplus property not so reserved may be concurrently offered to nonpriority purchasers.

§ 8412.6 *Public notice and period during which property is held for priority claimants*—(a) *Public notice.* Priority claimants will be notified of available surplus personal property by means of newspaper advertising, listings, special notices, brochures or other types of direct mail pieces, public advertisement, or by direct contact.

(b) *Period of time during which priority may be exercised.* The Surplus Property Act of 1944, as amended, and Part 8302 of this chapter prescribed the time requirements during which personal property will be offered to priority claimants and during which set-aside property will be held for disposal to veterans. Within the time requirement so specified, the Administrator has determined that the following periods of time will be adequate to fulfill the requirements of the specific priority claimants concerned:

(1) Types or quantities of property on the set-aside list will be available for exclusive sale to veterans during such time as they are on a set-aside list; and

(2) All other classes of priority claimants will be furnished reasonable notice as to the availability of surplus property.

§ 8412.7 *Veterans*—(a) *Certification.* A veteran desiring to exercise his priority shall present his discharge papers or other satisfactory evidence that he is a veteran, except that a veteran applying for aircraft or industrial equipment of certain types shall, in addition, apply for a certification to any office of War Assets Administration and shall furnish such information as may be requested.

(b) *Types of property for which certification is required.* Applications by veterans for surplus property of the following types require a certification from War Assets Administration:

(1) Aircraft, including gliders, helicopters, autogyros, and dirigibles;

(2) Commercial laundry equipment;

(3) Railroad transportation equipment.

(c) *Maximum and minimum quantities.* Disposal agencies may establish maximum and minimum quantities which may be acquired by any one priority claimant at any one time during a given period of time. When the supply of any type of surplus property offered at any time will be insufficient to fill the orders of eligible claimants, equitable distribution among such claimants may be accomplished (1) on a first-come, first-served basis in fixed price sales after establishment of maximum quantities, or (2) on such other allocation basis as shall be approved by the disposal agency. Maximum quantities are not established in a manner which will prevent claimants in a higher priority class from satisfying their legitimate requirements in order to offer a portion of the property to claimants in a lower priority or nonpriority class.

§ 8412.8 *Pricing.* Prices at which surplus personal property is sold to priority claimants are generally established at the fair value of the property. Fair value shall not be greater than the lowest price at which the property is offered to any level of trade at the time of acquisition by the priority claimant, or where the fair value is fixed after examining competitive bids from nonpriority claimants, it shall not be greater than the lowest acceptable bid. In competition between claimants within a given priority band, fair value shall be the highest acceptable bid received.

Issued this 1st day of December 1947.

JESS LARSON,
Acting Administrator.

[F. R. Doc. 47-10680; Filed, Dec. 4, 1947; 8:46 a. m.]

TITLE 38—PENSIONS, BONUSES, AND VETERANS' RELIEF

Chapter I—Veterans' Administration

CONTINUANCE IN EFFECT OF ALL CURRENT REGULATIONS AND OTHER FORMAL ISSUES

All current regulations and procedure, manuals, instructions, bulletins, orders, service letters, Administrator's decisions, delegations of authority and other issues applicable to the Veterans' Administration shall remain in full force and effect until such time as the same may be specifically amended or revoked.

[SEAL] O. W CLARK,
Acting Administrator, of Veterans' Affairs.

DECEMBER 1, 1947.

[F. R. Doc. 47-10682; Filed, Dec. 4, 1947; 8:49 a. m.]

TITLE 43—PUBLIC LANDS: INTERIOR

Chapter II—Bureau of Reclamation, Department of the Interior

PART 402—ANNUAL WATER CHARGES

W. C. AUSTIN IRRIGATION PROJECT, OKLAHOMA

CROSS REFERENCE: For additions to the tabulation in § 402.2, see F. R. Doc. 47-10684, Department of the Interior, Bureau of Reclamation, in Notices section, *infra.*

TITLE 44—PUBLIC PROPERTY AND WORKS

Chapter II—Bureau of Community Facilities, Federal Works Agency

PART 204—ADMINISTRATION OF THE DISASTER SURPLUS PROPERTY PROGRAM

Revised regulations for carrying into effect the provisions of Public Law 233, 80th Congress, approved July 25, 1947, authorizing the Federal Works Administrator, after determination by the President, to loan or transfer surplus personal property to States and local governments situated in areas struck by floods or other catastrophes, in order to alleviate damage, hardship, and suffering caused thereby.

Sec.
204.1 Purpose of act.
204.2 Delegation of authority.
204.3 Requests, investigations, and reports of floods and other catastrophes.
204.4 Requests for surplus property by States and local governments.
204.5 Public entities eligible to receive surplus personal property.
204.6 Requests for transfer of property from War Assets Administration.
204.7 Transfer of personal property without monetary consideration.
204.8 Loan of personal property.
204.9 Transfer of personal property for a monetary consideration.
204.10 Assistance of other constituent units of the Federal Works Agency.
204.11 Cooperation with other Federal agencies.
204.12 Non-discrimination.
204.13 Interest of member of or delegate to Congress.
204.14 Operating procedures and instructions.
204.15 Report to the Administrator.

AUTHORITY: §§ 204.1 to 204.15, inclusive, issued under Pub. Law 233, 80th Cong., 61 Stat. 422.

§ 204.1 *Purpose of act.* The purpose of Public Law 233, 80th Congress, approved July 25, 1947 (called the "act" in this part) is to alleviate damage, hardship, and suffering caused by floods or other catastrophe, by the loan or transfer of surplus personal property to States and local governments situated in any area struck by any such flood or other catastrophe.

§ 204.2 *Delegation of authority.* The function of administering the act and the regulations in this part is hereby delegated to the Bureau of Community Facilities, and the Commissioner of Community Facilities (called the "Commissioner" in this part) shall be responsible for the performance of such function. Any of the powers and duties delegated to the Commissioner under the regulations in this part may be assigned by him to any official or officials of the Bureau of Community Facilities. The Commissioner (or in his absence or disability, the Acting Commissioner) is authorized to make, award, and enter into all contracts and agreements, including changes, necessary to carry out the provisions of the act and of the regulations in this part. Each Division Engineer of the Bureau of Community Facilities (or in the event of his absence or disability, the Acting Division Engineer) is granted

similar contracting authority necessary to carry out the provisions of the act and of the regulations in this part within his Division.

§ 204.3 *Requests, investigations, and reports of floods and other catastrophes.* The Commissioner shall keep himself informed through the Division Offices of the Bureau of floods and other catastrophes in any of the several States, and if, after consultation with officials of State and local governments, he shall deem a particular flood or other catastrophe to be of sufficient severity and magnitude to justify invoking the provisions of the act, he shall submit to the Administrator a report thereon, with a recommendation that the provisions of the act be invoked. Such recommendation should not be made until a definite request has been received from the Governor of the State in which the catastrophe occurs that the provisions of the act be invoked. Only disasters which cannot be handled by the usual forces of rescue available to the State and local governments or by voluntary rescue agencies will be considered. If the Administrator concurs in such recommendation, he shall recommend to the President the making of a determination that it is necessary or appropriate that the War Assets Administration transfer, without reimbursement, to the Federal Works Agency all such surplus personal property as in the judgment of the Federal Works Administrator and the War Assets Administrator can be presently utilized in alleviating the damage, hardship, and suffering caused by such flood or other catastrophe. Requests that the provisions of the law be invoked should be transmitted by the most expeditious means deemed advisable.

§ 204.4 *Requests for surplus property by States and local governments.* Personal property may be made available to States and local governments only upon a request in writing, specifying in detail the uses to which the property is to be put, submitted to the Bureau of Community Facilities by an authorized representative of such State or local government.

The State or local government shall be required to agree to accept and utilize the property transferred to it under the act so as to effectuate the purposes of the act and to certify that it possesses the legal authority to accept and utilize the property for the purposes specified in the aforementioned request in the alleviation of the damage, hardship, and suffering caused by the catastrophe. In addition to such certification, additional proof respecting the legal authority of the State and local government to use the property for the purposes specified may be required by the Bureau.

§ 204.5 *Public enities eligible to revceive surplus personal property.* Surplus personal property may be made available under the act and the regulations in this part solely to any of the several States in the United States and to any political subdivision or municipal corporation of a State, including counties, cities, towns, villages, townships, districts, and other local governmental units.

§ 204.6 *Requests for transfer of property from War Assets Administration.* The Commissioner shall establish, in consultation with officials of the War Assets Administration, the necessary procedures to facilitate the transfer, without reimbursement, of surplus personal property from the War Assets Administration to the Bureau of Community Facilities.

§ 204.7 *Transfer of personal property without monetary consideration.* Expendable personal property such as medicines, blankets, clothing, and bedding, and property such as lumber, hand tools, cement, water, and sewer pipe, and other materials suitable for emergency repairs, may be transferred to States and local governments without consideration. States and local governments shall be required to assume all shipping costs except in unusual circumstances where the Commissioner may determine otherwise.

§ 204.8 *Loan of personal property.* When the Commissioner deems it in the public interest, personal property may be loaned to a State or local government. The State or local government shall be required to pay shipping costs and the cost of putting and maintaining such property in good usable condition; provided, that where and to the extent that the Bureau of Community Facilities finds that the exigencies of the particular emergency so require, the Government may defray the shipping costs and the cost of placing the property initially in working condition. Provision shall be made for the return of the said personal property to the Government in the same condition as when loaned by the Government and as repaired, ordinary wear and tear and loss or damage caused by acts of God or other events beyond the control of said State or local government excepted.

§ 204.9 *Transfer of personal property for a monetary consideration.* Any surplus personal property, unless loaned or transferred without monetary consideration, as hereinbefore provided, shall be transferred for a monetary consideration by the Bureau of Community Facilities to the States and local governments. Any such transfer shall be upon terms which in the judgment of the Commissioner are in the public interest and at a price, to be determined by the Commissioner, which is fair and equitable. In establishing such price consideration shall be given to (a) the value of such property as reported by the War Assets Administration to the Bureau, (b) any discount that the purchaser might receive if it were to purchase the property directly from the War Assets Administration, (c) the available resources of the purchaser in the light of the damage inflicted by the disaster, (d) shipping costs, (e) the cost of putting the property in good usable condition, and (f) any other relevant factors.

§ 204.10 *Assistance of other constituent units of the Federal Works Agency.* The Commissioner shall utilize the services of the Public Roads Administration to cooperate with and conduct all necessary liaison with State Highway Departments in connection with the administration of the act. Personnel of the Public Buildings Administration may be utilized when required.

§ 204.11 *Cooperation with other Federal agencies.* The Commissioner is authorized, when in his opinion it is necessary or appropriate, to secure the assistance of other Federal agencies in carrying out the provisions of the act, and may utilize and act through any such Federal agency or any State or local government, and, further, may utilize without reimbursement therefor such officers and employees of any such agency or State or local government as the Commissioner may find necessary in carrying out the purposes of the act. In order to facilitate carrying out the purposes of the act, other Federal agencies are required to cooperate with the Federal Works Agency and the War Assets Administration to the fullest extent consistent with the objective of the act.

§ 204.12 *Non-discrimination.* In carrying out the provisions of the act, there shall be no discrimination made on account of race, creed, or color.

§ 204.13 *Interest of member of or delegate to Congress.* Any agreement or contract entered into under the act and the regulations in this part shall provide that no member of or delegate to Congress or Resident Commissioner shall be admitted to any share or part of any such agreement or contract or to any benefits arising therefrom.

§ 204.14 *Operating procedures and instructions.* The Commissioner is hereby authorized to issue such operating procedures and instructions not in conflict with Federal law and regulations or the regulations in this part, and the regulations and policies of the Federal Works Agency, as he may deem necessary for carrying out the provisions and effectuating the purposes of the act and of the regulations in this part.

§ 204.15 *Report to the Administrator* When the Bureau of Community Facilities has completed its function of providing surplus personal property under the act and the regulations in this part with respect to each flood or other catastrophe for which a Presidential determination has been made, the Commissioner shall submit a report to the Administrator of the performance of such function.

Effective date. The revised regulations in this part shall be effective December 1, 1947.

Dated this 28th day of November 1947.

[SEAL] PHILIP B. FLEMING,
Federal Works Administrator

Recommended by:

GEORGE H. FIELD,
Commissioner of Community Facilities.

[F. R. Doc. 47-10683; Filed, Dec. 4, 1947; 8:52 a. m.]

TITLE 47—TELECOMMUNICATION

Chapter I—Federal Communications Commission

PART 3—RADIO BROADCASTING SERVICES

APPENDIX TO SUBPART E—STANDARDS OF GOOD ENGINEERING PRACTICE CONCERNING FM BROADCAST STATIONS

Attention is directed to the following error which occurred in the Saturday, November 15, 1947 issue of the FEDERAL REGISTER on page 7631 in the tabulation set forth under section 16, *Approved transmitters*. Approved transmitters manufactured by Radio Corporation of America, New York, New York, should read:

Manufacturer's name	Type No.	Rated power	Type of approval[1]
Radio Corp. of America, New York, N. Y.	MI-7016	Exciter	Final.
	BTF-250A	250 watts	Do.
	BTF-1C	1 kilowatt	Do.
	BTF-3B	3 kilowatt	Do.
	BTF-10B	10 kilowatt	Tentative.
	BTF-50A	50 kilowatt	Do.

FEDERAL COMMUNICATIONS COMMISSION,
[SEAL] T. J. SLOWIE, *Secretary.*

[F. R. Doc. 47-10719; Filed, Dec. 4, 1947; 8:46 a. m.]

TITLE 49—TRANSPORTATION AND RAILROADS

Chapter I—Interstate Commerce Commission

[Rev. S. O. 620, Amdt. 4]

PART 95—CAR SERVICE

LIGHT-WEIGHING OF CARS AT ALL PORTS PROHIBITED

At a session of the Interstate Commerce Commission, Division 3, held at its office in Washington, D. C., on the 1st day of December A. D. 1947.

Upon further consideration of Revised Service Order No. 620 (12 F. R. 559) as amended (12 F. R. 840, 1952, 3175) and good cause appearing therefor: it is ordered, that:

Section 95.620, *Light-weighing of cars at all ports prohibited*, of Revised Service Order No. 620, be, and it is hereby, further amended by substituting the following paragraph (e) for paragraph (e) thereof:

(e) *Expiration date.* This section shall expire at 11:59 p. m., February 29, 1948, unless otherwise modified, changed, suspended or annulled by order of this Commission.

It is further ordered, that this amendment shall become effective at 12:01 a. m., December 1, 1947; that a copy of this order and direction be served upon the Association of American Railroads, Car Service Division, as agent of the railroads subscribing to the car service and per diem agreement under the terms of that agreement; and that notice of this order be given to the general public by depositing a copy in the office of the Secretary of the Commission at Washington, D. C., and by filing it with the Director, Division of the Federal Register.

(Sec. 1, 24 Stat. 379, as amended, 40 Stat. 101, secs. 402, 413, 41 Stat. 476, 485, secs. 4, 10, 54 Stat. 901, 912; 49 U. S. C. 1 (10)-(17), 15 (4))

By the Commission, Division 3.

[SEAL] W. P. BARTEL, *Secretary.*

[F. R. Doc. 47-10695; Filed, Dec. 4, 1947; 8:54 a. m.]

[Rev. S. O. 794]

PART 95—CAR SERVICE

SUBSTITUTION FGE REFRIGERATOR FOR BOX CARS TO SOUTH

At a session of the Interstate Commerce Commission, Division 3, held at its office in Washington, D. C., on the 28th day of November A. D. 1947.

It appearing, that FGE refrigerator cars are returning empty from Maraine, Ohio and Mansfield, Ohio also Erie, Pa., to the South while there is a shortage of boxcars for shipments from and to the same points; that certain electrical appliances are suitable for loading in those FGE refrigerator cars; in the opinion of the Commission an emergency exists requiring immediate action in the eastern section of the country; it is ordered, that:

§ 95.794 *Substitution of FGE refrigerators to the South.* (a) Any common carrier by railroad, subject to the Interstate Commerce Act, may at its option furnish and transport not more than two (2) FGE refrigerator cars for each boxcar ordered, subject to the carload minimum weight which would have applied if the shipment had been loaded in a boxcar, for the shipment of electrical appliances from Maraine, Ohio and Mansfield, Ohio also Erie, Pa., to destinations in the States of Georgia, Virginia, Alabama, North Carolina, South Carolina, Florida, or Kentucky.

(b) *Application.* The provisions of this section shall apply to shipments moving in intrastate commerce as well as to those moving in interstate commerce. Cars subject to this order may not be stopped in transit to complete loading or to partially unload.

(c) *Effective date.* This section shall become effective at 12:01 a. m., November 29, 1947.

(d) *Expiration date.* This section shall expire at 11:59 p. m., December 10, 1947, unless otherwise modified, changed, suspended, or annulled by order of this Commission.

(e) *Conflicting service orders suspended.* The operation of Service Order No. 68 (8 F. R. 8513) as amended, and all other orders of the Commission insofar as they conflict with the provisions of this section, or as amended, is suspended.

(f) *Rules and regulations suspended.* The operation of all rules and regulations insofar as they conflict with the provisions of this section is hereby suspended.

(g) *Announcement of suspension.* Each of such railroads, or its agent, shall publish, file, and post a supplement to each of its tariffs affected hereby, in substantial accordance with the provisions of Rule 9 (k) of the Commission's Tariff Circular No. 20 (§ 141.9 (k) of this chapter) announcing the suspension of any of the provisions therein.

It is further ordered, that this order and direction shall be served upon the Association of American Railroads, Car Service Division, as agent of the railroads subscribing to the car service and per diem agreement under the terms of that agreement; and that notice of this order be given to the general public by depositing a copy in the office of the Secretary of the Commission at Washington, D. C., and by filing it with the Director, Division of the Federal Register.

(Sec. 1, 24 Stat. 379, as amended, 40 Stat. 101, sec. 402, 41 Stat. 476, sec. 4, 54 Stat. 901; 49 U. S. C. 1 (10)-(17))

By the Commission, Division 3.

[SEAL] W. P. BARTEL, *Secretary.*

[F. R. Doc. 47-10694; Filed, Dec. 4, 1947; 8:54 a. m.]

PART 120—ANNUAL, SPECIAL OR PERIODICAL REPORTS

ELECTRIC RAILWAY ANNUAL REPORT FORM G

At a session of the Interstate Commerce Commission, Division 1, held at its office in Washington, D. C., on the 24th day of November A. D. 1947.

The matter of annual reports from electric railway companies being under consideration: *It is ordered*, That the order dated January 22, 1943, in the matter of Annual Reports from Electric Railways (49 CFR, § 120.21) be, and it is hereby, modified with respect to annual reports for the year ended December 31, 1947 and subsequent years, as follows:

§ 120.21 *Form prescribed for electric railways.* All electric railway companies subject to the provisions of section 20, Part I of the Interstate Commerce Act, are hereby required to file annual reports for the year ended December 31, 1947, and for each succeeding year until further order, in accordance with Annual Report Form G (Electric Railways) which is hereby approved and made a part of this order.[1] The annual report shall be filed, in duplicate, in the Bureau of Transport Economics and Statistics, Interstate Commerce Commission, Washington, D. C., on or before March 31 of the year following the one to which it relates. (24 Stat. 386, 34 Stat. 593, 35 Stat. 649, 36 Stat. 556, 41 Stat. 493, 54 Stat. 916; 49 U. S. C. 20 (1)-(8))

NOTE: The reporting requirement of this Order has been approved by the Bureau of the Budget in accordance with the Federal Reports Act of 1942.

By the Commission, Division 1.

[SEAL] W. P. BARTEL, *Secretary.*

[F. R. Doc. 47-10696; Filed, Dec. 4, 1947; 8:54 a. m.]

[1] Filed as part of the original document.

PROPOSED RULE MAKING

TREASURY DEPARTMENT

Bureau of Internal Revenue

[26 CFR, Part 472]

TIME FOR PERFORMING CERTAIN ACTS POSTPONED BY REASON OF WAR

NOTICE OF PROPOSED RULE MAKING

Notice is hereby given, pursuant to the Administrative Procedure Act, approved June 11, 1946, that the regulations set forth in tentative form below are proposed to be prescribed by the Commissioner of Internal Revenue, with the approval of the Secretary of the Treasury. Prior to the final adoption of such regulations, consideration will be given to any data, views, or arguments pertaining thereto which are submitted in writing in duplicate to the Commissioner of Internal Revenue, Washington 25, D. C., within the period of 30 days from the date of publication of this notice in the FEDERAL REGISTER. The proposed regulations are to be issued under the authority contained in sections 3791, 3804, and 3805 of the Internal Revenue Code (53 Stat. 467, 56 Stat. 961, 963; 26 U. S. C., and Sup. 3791, 3804, 3805) and sections 6, 13, and 14 of the act approved August 8, 1947 (Pub. Law 384, 80th Cong.)

[SEAL] GEO. J. SCHOENEMAN,
Commissioner of Internal Revenue.

Treasury Decision 5279, relating to period of time disregarded under section 3804 of the Internal Revenue Code in determining whether certain acts are timely performed, amended to conform to sections 6, 13, and 14 of the act approved August 8, 1947 (Pub. Law 384, 80th Cong.)

In order to conform Treasury Decision 5279, approved July 10, 1943, as last amended by Treasury Decision 5456, approved June 9, 1945 (26 CFR Part 472) to sections 6, 13, and 14 of the act approved August 8, 1947 (Public Law 384, 80th Congress) such Treasury decision is further amended as follows:

PARAGRAPH 1. Immediately following the provisions of law under the caption "Sec. 507. Time for Performing Certain Acts Postponed by Reason of War. (Revenue Act of 1942.)" preceding § 472.0, the following is inserted:

SECTIONS 13 AND 14 OF THE ACT APPROVED AUGUST 8, 1947 (PUBLIC LAW 384, 80TH CONGRESS)

SEC. 13. TIME FOR PERFORMING CERTAIN ACTS POSTPONED BY REASON OF WAR.

Section 3804 (c) of the Internal Revenue Code is hereby amended to read as follows:

(c) *Limitation on time to be disregarded.* The period of time disregarded under this section shall not extend beyond the date specified in clause (1) or clause (2) of this subsection, whichever is the earlier:

(1) December 31, 1947, or such date later than December 31, 1947, as the Commissioner may fix in any case in which he makes a determination under subsection (b) if such determination is made after the date this subsection as amended takes effect and is based on the existence prior to January 1, 1948, of one or more of the circumstances specified in paragraph (1), (2), or (3) of subsection (b); or

(2) In the case of an individual with respect to whom a period of time is disregarded under this section, the fifteenth day of the third month following the month in which an executor, administrator, or a conservator of the estate of such individual qualifies.

SEC. 14. CHINA TRADE ACT CORPORATIONS.

Section 3805 of the Internal Revenue Code is hereby amended by striking out "the fifteenth day of the sixth month following the month in which the present war with Germany, Italy, and Japan is terminated, as proclaimed by the President" and inserting in lieu thereof: "December 31, 1947."

PAR. 2. Immediately preceding the caption "Soldiers' and Sailors' Civil Relief Act of 1940, as amended by section 19 of Public Law 554 (77th Congress) approved May 14, 1942, and section 18 of the Soldiers' and Sailors' Civil Relief Act Amendments of 1942," which precedes § 472.0, the following is inserted:

ACT APPROVED JULY 1, 1944 (58 STAT. 679)

That the Act * * * approved March 7, 1942 (56 Stat. 143). [Public Law 490, 77th Congress], * * * is amended by changing subsection (a) (3) of section 1, thereof to read as follows: "(3) civilian officers and employees of departments during such time as they may be assigned for duty or serving outside the continental limits of the United States or in Alaska, exclusive of part-time or intermittent employees or native labor casually hired on an hourly or per diem basis;" * * *

* * * * *

SEC. 7. That such Act is amended by adding at the end thereof a new section to read as follows:

SEC. 19. This Act may be cited as the "Missing Persons Act"

* * * * *

[The foregoing amendments made by the act approved July 1, 1944, are effective as if they had been enacted as a part of Public Law 490, 77th Congress, approved March 7, 1942.]

SECTION 1 OF THE ACT APPROVED MAY 16, 1947 (PUBLIC LAW 64, 80TH CONGRESS)

That subsection (a) (3) of section 1 of Public Law 490 of the Seventy-seventh Congress approved March 7, 1942 (56 Stat. 143), as amended by Public Law 408 of the Seventy-eighth Congress approved July 1, 1944 (58 Stat. 679), is hereby further amended to read as follows:

"(3) Civilian officers and employees of departments and civilian officers and employees of the United States Naval Government of Guam, during such time as they may be assigned for duty or serving outside the continental limits of the United States or in Alaska, exclusive of part-time or intermittent employees or native labor casually hired on an hourly or per diem basis;.

SECTION 6 OF THE ACT APPROVED AUGUST 8, 1947 (PUBLIC LAW 384, 80TH CONGRESS)

SEC. 6. TAX DEFERMENTS OF SERVICE PERSONNEL.

Section 13 (c) (2) of the Missing Persons Act (Public Law 490, Seventy-seventh Congress; 56 Stat. 146) is hereby amended to read as follows:

(2) December 31, 1947; or.

PAR. 3. Section 472.1 (c) is amended by striking out the second sentence of the third paragraph and inserting in lieu thereof the following:

Section 3804 (c) as amended by section 13 of the Act approved August 8, 1947 (Public Law 384, 80th Congress), provides that the period of time disregarded under section 3804 in respect of any tax liability shall in no event extend beyond the date specified in subparagraph (1) or (2) of this paragraph, whichever is the earlier:

(1) December 31, 1947, or such date later than December 31, 1947, as the Commissioner of Internal Revenue may fix in any case in which he makes a determination under section 3804 (b), if such determination is made after August 8, 1947, and is based on the existence prior to January 1, 1948, of one or more of the circumstances specified in paragraph (1) (2) or (3) of section 3804 (b), or

(2) In the case of an individual with respect to whom a period of time is disregarded under section 3804, the 15th day of the third month following the month in which an executor, administrator, or a conservator of the estate of such individual qualifies.

PAR. 4. Section 472.101 (b) is amended by inserting after "the Women's Army Auxiliary Corps," the following: "the Women's Army Corps,"

PAR. 5. Section 472.202, as amended by Treasury Decision 5456, is further amended as follows:

(A) By striking out that portion of the first sentence of paragraph (b) which precedes subparagraph (1) and inserting in lieu thereof the following: "The due date for any income tax return and for any payment (including any installment payment) of income tax is, subject to the limitations prescribed in paragraph (c) of this section, postponed in the case of any individual in the military or naval forces of the United States serving on sea duty or outside the continental United States after December 6, 1941, and prior to January 1, 1948, in case:—

(B) By inserting after "December 31, 1944" in subparagraph (3) of paragraph (b) a comma and the following: "and such 91st day occurs prior to January 1, 1948"

(C) By striking out subparagraph (2) of paragraph (c) and inserting in lieu thereof the following:

(2) June 15, 1948; or

PAR. 6. Section 472.203, as amended by Treasury Decision 5456, is further amended as follows:

(A) By inserting after "December 6, 1941," in paragraph (b) the following: "and prior to January 1, 1948,"

(B) By striking out subparagraph (2) of paragraph (c) and inserting in lieu thereof the following:

(2) June 15, 1948; or

PAR. 7. Section 472.502 is amended by inserting after "December 6, 1941," in the first sentence thereof the following: "and prior to January 1, 1948,".

PAR. 8. Section 472.503 is amended as follows:

(A) By inserting after "Americas" in subparagraph (1) of paragraph (a) the following: "prior to January 1, 1948"

(B) By striking out subparagraph (2) of paragraph (a) and inserting in lieu thereof the following:

(2) The next 90 days after the period referred to in subparagraph (1) of this paragraph; or, if the last day of such 90-day period falls after December 30, 1947, the period beginning immediately after the period referred to in subparagraph (1) of this paragraph and ending on the 15th day of the sixth month following the month in which the period referred to in subparagraph (1) of this paragraph terminates.

(C) By adding the following sentence at the end of paragraph (a) "In the application of the preceding sentence, if the 15th day of the fourth month following the month in which the employee returns to the continental United States falls after December 30, 1947, the 15th day of the sixth month shall be substituted for the 15th day of the fourth month in such sentence."

(D) By striking out "(subject to the limitations prescribed in section 3804 (c) (see paragraph (c) below))" in subparagraph (1) of paragraph (b)

(E) By striking out " if any," in subparagraph (2) of paragraph (b) and by striking out "section 3804 (c)" in such subparagraph and inserting in lieu thereof the following: "paragraph (c) below"

(F) By striking out "As provided in section 3804 (c) the" in paragraph (c) and inserting in lieu thereof "The"

(G) By striking out subparagraph (1) of paragraph (c) and inserting in lieu thereof the following:

(1) June 15, 1948; or

PAR. 9. Section 472.803 is amended by striking out the third sentence and inserting in lieu thereof the following: "No period prior to December 7, 1941, shall be disregarded, nor, in case the Commissioner's determination was made on or before August 8, 1947 (the date of the enactment of Public Law 384, 80th Congress) shall a period after December 31, 1947, be disregarded. Such period after December 31, 1947, as the Commissioner may fix shall be disregarded in any case in which the Commissioner makes a determination under this subpart after August 8, 1947, provided such determination is based on the existence prior to January 1, 1948, of one or more of the circumstances specified in paragraphs (a) (b) or (c) of § 472.802."

PAR. 10. Section 472.805 is amended by striking out "the 15th day of the third month following the month in which the present war with Germany, Italy, and Japan is terminated, as proclaimed by the President" and inserting in lieu thereof the following: "December 31, 1947"

PAR. 11. Section 472.806 is amended as follows:

(A) By striking out in paragraph (a) "the 15th day of the sixth month following the month in which the present war with Germany, Italy, and Japan is terminated, as proclaimed by the President" and inserting in lieu thereof the following: "December 31, 1947"

(B) By striking out in paragraph (b) "the 15th day of the third month following the month in which the present war with Germany, Italy, and Japan is terminated, as proclaimed by the President" and inserting in lieu thereof the following: "December 31, 1947"

PAR. 12. Section 472.903 is amended by striking out the third sentence and inserting in lieu thereof the following: "No period prior to December 7, 1941, shall be disregarded, nor, in case the Commissioner's determination was made on or before August 8, 1947 (the date of the enactment of Public Law 384, 80th Congress) shall a period after December 31, 1947, be disregarded. Such period after December 31, 1947, as the Commissioner may fix shall be disregarded in any case in which the Commissioner makes a determination under this subpart after August 8, 1947, provided such determination is based on the existence prior to January 1, 1948, of one or more of the circumstances specified in paragraphs (a) (b) or (c) of § 472.902. In no event, however, shall the period disregarded extend beyond the 15th day of the third month following the month in which an executor, administrator, or a conservator of the estate of the individual qualifies as such."

[F. R. Doc. 47-10703; Filed, Dec. 4, 1947; 8:50 a. m.]

DEPARTMENT OF AGRICULTURE

Production and Marketing Administration

[7 CFR, Part 953]

HANDLING OF LEMONS GROWN IN CALIFORNIA AND ARIZONA

DECISION WITH RESPECT TO PROPOSED AMENDMENTS TO MARKETING AGREEMENT AND ORDER

Correction

In Federal Register Document 47-10364, appearing at page 7904 of the issue for Tuesday, November 25, 1947, the signature "Clinton P. Anderson, Secretary of Agriculture," should appear in the middle column on page 7906, immediately preceding the proposed order.

NOTICES

DEPARTMENT OF THE INTERIOR

Bureau of Land Management

[1380244]

CALIFORNIA

NOTICE OF FILING OF PLAT OF DEPENDENT RESURVEY AND EXTENSION SURVEY ACCEPTED JANUARY 24, 1945

Correction

In Federal Register Document 47-10459, appearing on page 7970 of the issue for Thursday, November 27, 1947, the date "February 15, 1946," at the end of the third from the last paragraph, should read "February 15, 1945."

Bureau of Reclamation

COLUMBIA BASIN PROJECT, WASH.

AMENDMENT TO FIRST FORM RECLAMATION WITHDRAWAL

OCTOBER 21, 1947.

The first form reclamation withdrawal order of June 13, 1947, concurred in by the Director of the Bureau of Land Management on June 18, 1947 (12 F. R. 4091) withdrawing 109,599.32 acres of public lands in the State of Washington for the use of the Columbia Basin Project, contains three typographical errors. In view thereof, the above withdrawal order is hereby amended as follows:

COLUMBIA BASIN PROJECT

Willamette Meridian, Washington

T. 15 N., R. 26 E.,
Sec. 6, N½SE¼ corrected to read W½SE¼.
T. 19 N., R. 28 E.,
Sec. 4, Lots 1, 2 corrected to read Lots 3, 4.
T. 13 N., R. 33 E.,
Sec. 10, SE¼NW¼ corrected to read SW¼NW¼.

MICHAEL W. STRAUS,
Commissioner.

NOVEMBER 5, 1947.

I concur. The records of the Bureau of Land Management and of the District Land Office will be noted accordingly.

FRED W. JOHNSON,
Director

[F. R. Doc. 47-10685; Filed, Dec. 4, 1947; 8:52 a. m.]

[No. 3]

W. G. AUSTIN IRRIGATION PROJECT, OKLAHOMA

ANNOUNCEMENT OF ANNUAL WATER RENTAL CHARGES

OCTOBER 8, 1947.

1. I have determined that it is not possible, because construction work is not sufficiently advanced, to promulgate during the year 1948 any of the notices of construction charges contemplated in article 7 of the contract between the United States and Lugert-Altus Irrigation District dated January 12, 1942.

2. *Water rental.* Pursuant to article 9 of the contract of January 12, 1942, irrigation water will be furnished, when available, upon a rental basis under approved applications for temporary water service, during the irrigation season of 1948 where the progress of construction will permit, to the irrigable lands in the Lugert-Altus Irrigation District described below:

(a) *Water to be furnished beginning on January 1, 1948.* Generally described

as the area served from the Altus Canal, Altus Laterals 3.2 to 11.1, inclusive, City Pipeline, and City Laterals, comprising such lands as are irrigable within the tracts of land described as follows:

Indian Meridian

T. 2 N., R. 20 W.,
Sec. 5, SW¼,
Secs. 6 and 7;
Sec. 8, NW¼, NW¼SW¼, Part NE¼.
T. 2 N., R. 21 W.,
Secs. 1 and 2;
Sec. 12, E½, NW¼,
Sec. 13, S½, NE¼,
Sec. 14, NW¼, SE¼,
Sec. 23, E½,
Sec. 24;
Sec. 25, lying west of S. L.-S. F. Ry.;
Sec. 26;
Sec. 35, NE¼, lying west of S. L.-S. F. Ry.
T. 3 N., R. 20 W.,
Sec. 5;
Sec. 6, SE¼, S½NE¼, SW¼,
Sec. 7, N½,
Sec. 8, N½,
Sec. 19, S½,
Sec. 30, W½, NE¼,
Sec. 31, E½, N½NW¼.
T. 4 N., R. 20 W.,
Sec. 8, W½,
Sec. 17, W½,
Sec. 20, W½,
Secs. 29 and 32, except town of Blair.
T. 3 N., R. 21 W.,
Sec. 1, part SE¼,
Sec. 12, E½, part W½,
Sec. 13, E½, part W½
Sec. 23, SE¼,
Sec. 24, S½,
Sec. 25, N½,
Sec. 26, S½; NE¼;
Sec. 35, E½, SW¼,
Sec. 36.

Charges and terms of payment. Owners of irrigable lands in the above tracts, as designated on the attached list of irrigable acreages, shall pay a minimum water rental charge of $2.50 per irrigable acre, whether water is used or not, which will entitle said owner to one-half acre foot of water per irrigable acre. Additional water, if available, will be furnished during the irrigation season at the rate of $3.00 for each acre foot. Minimum charges shall be payable by the District to the United States on collection from the irrigable landowner either as an advance toll charge, or in event of failure of such landowner to use or pay for tendered minimum water deliveries, on collection by the District of assessments against the irrigable lands of such landowner in pursuance of the laws of the State of Oklahoma governing the levy of assessments by Irrigation Districts contracting with the United States. In no event shall payment in full of all charges by the District to the United States extend beyond July 1, 1949. Charges for additional water shall be payable by the District to the United States in advance of the delivery of such water.

(b) *Water to be furnished beginning about January 1, 1948.* Generally described as the area served from the West Canal, West Laterals, Blair Lateral and sublaterals, comprising such lands as are irrigable within the tracts of land described as follows:

Indian Meridian

T. 3 N., R. 20 W.,
Sec. 6, NW¼, N½NE¼,
T. 3 N., R. 21 W.,
Secs. 1 and 2;
Sec. 3, N½; SE¼;
Sec. 10, N½ NE¼;
Sec. 11;
Sec. 12, W½, part of;
Sec. 13, W½,
Sec. 14;
Sec. 15, SW¼, S½NW¼, NW¼NW¼;
Sec. 16, E½,
Sec. 21, E½
Sec. 22, W½, S½NE¼, NW¼NE¼, S½ SE¼,
Sec. 23, N½, East of RR; SW¼, SE¼; part of;
Sec. 26, N½NW¼,
Sec. 27, NW¼,
Sec. 28, E½NE¼.
T. 4 N., R. 20 W.,
Sec. 18, NE¼; SW¼;
Secs. 19, 30, and 31 west of RR and town of Blair.
T. 4 N., R. 21 W.,
Sec. 11, part of;
Sec. 15, SW¼,
Sec. 16, SE¼,
Sec. 17, NW¼,
Sec. 18, E½, E½NW¼,
Secs. 20, 21, and 22;
Sec. 24, SE¼, S½NE¼,
Sec. 25, S½SE¼,
Sec. 27, W½, SE¼,
Sec. 23, SE¼, N½NW¼,
Sec. 29, N½, part of;
Sec. 33, E½,
Secs. 34, 35, and 36.

Charges and terms of payment. The water rental charge shall be $4.00 per acre foot of water requested. No application for the initial delivery of less than five acre feet of water for each ownership will be received by the District. All charges shall be payable by the District to the United States in advance of the delivery of water.

(c) *Water to be furnished beginning on or about July 1, 1948.* Generally described as the area served from the Ozark Canal Laterals 1.5 to 3.5, inclusive, and Althus Canal Laterals 13.2 to 21.7, inclusive, comprising such lands as are irrigable within the tracts of land described as follows:

Indian Meridian

T. 1 N., R. 19 W.,
Sec. 5, W½ west of Stinking Creek;
Secs. 6 and 7;
Sec. 8, lying west of Stinking Creek;
Sec. 17, lying west of Stinking Creek;
Sec. 18, N½; SE¼,
Sec. 20, NW¼; E½, lying west of Stinking Creek;
T. 1 N., R. 20 W.,
Sec. 1, S½, NE¼, E½NW¼,
Secs. 6, 7, and 12;
Sec. 13, N½,
Sec. 18, S½, NE¼,
Sec. 19, NW¼,
Sec. 20, S½, NE¼,
Sec. 21, W½,
Sec. 23, S½,
Sec. 24, E½, S½SW¼,
Sec. 26, N½, SW¼,
Sec. 27, N½, SE¼,
Sec. 28, S½, NW¼;
Sec. 29;
Sec. 30, S½, NE¼,
Sec. 31, NW¼NW¼,
Sec. 32, E½; NE¼NW¼,
Sec. 33;
Sec. 34, SW¼.
T. 1 N., R. 21 W.,
Sec. 1;
Sec. 2, E½, part of SW¼,
Secs. 11, 12, and 13;
Sec. 14, E½, NW¼, N½SW¼,
Sec. 23;
Sec. 24, S½; NE¼;
Sec. 25, SW¼,
Sec. 26, NE¼, NE¼NW¼,
Sec. 36, W½, N½NE¼, SW¼NE¼.
T. 2 N., R. 19 W.,
Sec. 30, S½, part of;
Sec. 31, lying west of Stinking Creek.
T. 2 N., R. 20 W.,
Sec. 3, N½; SW¼,
Sec. 4;
Sec. 5, N½, SE¼,
Sec. 8, NE¼,
Sec. 9;
Sec. 15, lying west of Stinking Creek;
Sec. 16;
Sec. 21, S½, NW¼,
Sec. 22;
Sec. 23, N½ and SE¼, lying west of Stinking Creek;
Sec. 25, lying west of Stinking Creek;
Secs. 27, 28, 29, 30, 31, and 33;
Sec. 33, N½N½,
Sec. 34, N½N½,
Sec. 35, N½N½,
Sec. 36, E½, NW¼.
T. 2 N., R. 21 W.,
Sec. 25, lying east of S. L.-S. F. Railway;
Sec. 35, E½, lying east of S. L.-S. F. Railway;
Sec. 36.
T. 3 N., R. 20 W.,
Sec. 32, E½,
Sec. 33, W½.

Charges and terms of payment. The water rental charge shall be $4.00 per acre foot for each acre foot of water requested. No application for the initial delivery of less than five acre feet of water for each ownership will be received by the District. All charges shall be payable by the District to the United States in advance of the delivery of water.

(d) *Water to be furnished beginning about September 1, 1948.* Generally described as the area served from the Ozark Canal Lateral and Ozark Laterals 4.6 to 15.2, inclusive, comprising such lands as are irrigable within the tracts of land described as follows:

Indian Meridian

T. 1 N., R. 19 W.,
Sec. 4;
Sec. 5, lying east of Stinking Creek;
Sec. 8, lying east of Stinking Creek;
Sec. 9, and Sec. 16;
Sec. 17, lying east of Stinking Creek;
Sec. 20, lying east of Stinking Creek;
Sec. 21, N½, SW¼, NW¼SE¼.
T. 2 N., R. 19 W.,
Sec. 19, S½,
Sec. 20, W½SW¼,
Sec. 27, SW¼,
Secs. 28, 29;
Sec. 30, N½, S½, part of;
Sec. 31, lying east of Stinking Creek;
Sec. 32 and Sec. 33.
T. 2 N., R. 20 W.,
Sec. 13, S½,
Sec. 14, S½,
Sec. 15, SE¼, part of;
Sec. 23, E½, part of;
Sec. 24;
Sec. 25, east of Stinking Creek.

Charges and terms of payment. The water rental charge shall be $4.00 per acre foot for each acre foot of water requested. No application for the initial delivery of less than five acre feet of water for each ownership will be received by the District. All charges shall be payable by the District to the United States in advance of the delivery of water.

3. Water will be delivered and measured by Government forces at the nearest available measuring device to the individual farm.

4. The District will request water delivery for, and certify to the United States as entitled to receive water, only such lands as are owned or are held under contract of purchase by persons duly qualified to receive water under the terms of the Reclamation Act of June 17, 1902 (32 Stat. 388) and acts of Congress supplementary thereto or amendatory thereof, and who have duly complied with the requirements of the contract of January 12, 1942, between the United States and the District, including:

(a) The execution and delivery of the valid recordable contract, in the case of ownership of excess land, as provided for in articles 27 and 29 (b) of said contract.

5. Individual applications for water service and the payments required by this announcement will be received at the office of the Secretary, Lugert-Altus Irrigation District, Altus, Oklahoma. Requests by the District for water for such lands as are entitled to receive water and payment by the District to the United States will be received at the office of the Bureau of Reclamation, Altus, Oklahoma.

(Act of June 17, 1902, 32 Stat. 388, as amended or supplemented)

H. E. ROBBINS,
Acting Regional Director.

[F. R. Doc. 47-10684; Filed, Dec. 4, 1947; 8:52 a. m.]

MARICOPA CANAL, SALT RIVER RECLAMATION PROJECT

CERTIFICATE REGARDING ABANDONED PORTIONS

I, Oscar L. Chapman, Acting Secretary of the Interior, do hereby certify that the United States has not for many years used, is not presently using, and does not hereafter intend to use those portions of the Maricopa Canal, Salt River reclamation project, described as follows:

That certain portion of the abandoned right of way of the Maricopa Canal hereinafter described, extending from the center of said abandoned right of way to and adjoining the lands of the various parties of the second part abutting thereon:

That part of said abandoned right of way of the Maricopa Canal from its headgate in the East Half (E½) of Section 12, Township 1 North, Range 3 East, Gila and Salt River Base and Meridian, extending in a Northwesterly direction to its intersection with the North right of way line of Washington Street; also that part of said right of way extending in a Northwesterly direction from its intersection with the south line of the Northeast Quarter (NE¼) of Section 2, Township 1 North, Range 3 East, Gila and Salt River Base and Meridian, across said Section 2 and Section 34, 28 and 29, Township 2 North, Range 3 East, Gila and Salt River Base and Meridian, to its intersection with the East right of way line of Central Avenue; also that part of said right of way extending Westerly from the West right of way line of Seventh Avenue across Section 30, Township 2 North, Range 3 East, Gila and Salt River Base and Meridian, to the East right of way line of Nineteenth Avenue; also that part of said right of way along the North line of the Northwest Quarter (NW¼) of Section Thirty-five, Township Two (2) North, Range Two (2) East, Gila and Salt River Base and Meridian.

Dated this 7th day of November 1947.

OSCAR L. CHAPMAN,
Acting Secretaryr of the Interior.

[F. R. Doc. 47-10687; Filed, Dec. 4, 1947; 8:53 a. m.]

SALT RIVER CANAL, SALT RIVER RECLAMATION PROJECT

CERTIFICATE REGARDING ABANDONED PORTIONS

I, Oscar L. Chapman, Acting Secretary of the Interior, do hereby certify that the United States has not for many years used, is not presently using, and does not hereafter intend to use those portions of the Salt River Canal, Salt River reclamation project, described as follows:

That certain portion of the abandoned right of way of the Salt River Valley Canal hereinafter described, extending from the center of said abandoned right of way to and adjoining the lands of the various parties of the second part abutting thereon:

Beginning at a point North of the Southern Pacific Railroad 380 feet, more or less, west and 120 feet, more or less, North of the Center of Section Twelve (12), Township One (1) North, Range Three (3) East, Gila and Salt River Base and Meridian; thence Northwesterly through the Northwest Quarter (NW¼) of said Section 12, Northeast (NE) Corner of Section 11, South Half (S½) of Sections Two (2) and Three (3) all in Township One (1) North, Range Three (3) East, Gila and Salt River Base and Meridian, to a point on the West line of said Section 3, 1,180 feet, more or less, North of the Southwest Corner of said Section 3.

Also along the North line of the Northeast Quarter (NE¼) of Section Twelve (12), Township One (1) North, Range Two (2) East, Gila and Salt River Base and Meridian.

Dated this 7th day of November 1947.

OSCAR L. CHAPMAN,
Acting Secretary of the Interior.

[F. R. Doc. 47-10686; Filed, Dec. 4, 1947; 8:52 a. m.]

CIVIL AERONAUTICS BOARD

[Dockets Nos. 1769, 1780]

PENNSYLVANIA-CENTRAL AIRLINES CORP.

NOTICE OF HEARING

In the matter of the applications of Pennsylvania-Central Airlines Corporation for certificates of public convenience and necessity, or amendments thereof, under section 401 of the Civil Aeronautics Act of 1938, reopened for further hearing pursuant to the direction of the Board in the Great Lakes Area Case, Docket No. 535, et al. (decided September 3, 1947).

Notice is hereby given that further hearing in the above-entitled matter is assigned to be held on December 15, 1947, at 10:00 a. m. (e. s. t.), in Conference Room C, Departmental Auditorium, 14th Street and Constitution Avenue, Washington, D. C., before Examiner William F. Cusick.

Dated at Washington, D. C., December 1, 1947.

By the Civil Aeronautics Board.

[SEAL] M. C. MULLIGAN,
Secretary.

[F. R. Doc. 47-10691; Filed, Dec. 4, 1947; 8:49 a. m.]

FEDERAL POWER COMMISSION

[Project No. 1960]

DAIRYLAND POWER COOPERATIVE

NOTICE OF APPLICATION FOR LICENSE

DECEMBER 2, 1947.

Public notice is hereby given, pursuant to the provisions of the Federal Power Act (16 U. S. C. 791-825r) that the Dairyland Power Cooperative, of La Crosse, Wisconsin, has filed application for license for proposed Project No. 1960 on the Flambeau River, in Rusk County, Wisconsin, affecting public lands of the United States, consisting of a dam with over-all length of about 5,000 feet having concrete gated spillway section, a powerhouse section, and earth embankment sections; a reservoir with area of about 1,780 acres at normal elevation 1,180 feet extending upstream to the tailwater of the Big Falls Dam of Lake Superior District Power Company; a powerhouse containing 3 units, each consisting of a turbine with capacity of about 7,050 horsepower connected to a 5,000-kilowatt generator, two of which units would be installed initially; a substation and switchyard; and appurtenant works.

Any protest against the approval of this application or request for hearing thereon, with the reason for such protest or request and the name and address of the party or parties so protesting or requesting should be submitted before January 9, 1948 to the Federal Power Commission, Washington 25, D. C.

[SEAL] LEON M. FUQUAY,
Secretary.

[F. R. Doc. 47-10703; Filed, Dec. 4, 1947; 8:55 a. m.]

[Project No. 1933]

CITY OF HOLYOKE, MASS.

NOTICE OF APPLICATION FOR PRELIMINARY PERMIT

DECEMBER 2, 1947.

Public notice is hereby given, pursuant to the provisions of the Federal Power Act (16 U. S. C. 791-825r), that the City of Holyoke, Massachusetts, has filed application for preliminary permit for proposed Project No. 1933 on the Connecticut River and tributaries, consisting of a project which would develop fully the power resources of the Connecticut River at Holyoke, Massachusetts, by new construction and by use of such already constructed hydroelectric facilities adaptable to the project as the applicant may require. The applicant contemplates improvements to the flow of the river by additions from Manhan River, East Branch Mill River, and West Brook watersheds, changes which would reduce the flood height of the river upstream from the dam, and provision for an average operating head of about 58 feet and an initial installation of about 44,000 kilowatts which might be increased ultimately to 88,000 kilowatts or more.

Any protest against the approval of this application or request for hearing

thereon, with the reason for such protest or request and the name and address of the party or parties so protesting or requesting should be submitted before January 14, 1948, to the Federal Power Commission, Washington 25, D. C.

[SEAL] LEON M. FUQUAY, *Secretary.*

[F. R. Doc. 47-10703; Filed, Dec. 4, 1947; 8:55 a. m.]

[Project No. 1984]

WISCONSIN RIVER POWER CO.

NOTICE OF APPLICATION FOR LICENSE (MAJOR)

DECEMBER 1, 1947.

Public notice is hereby given, pursuant to the provisions of the Federal Power Act (16 U. S. C. 791-825r) that Wisconsin River Power Company, of Wisconsin Rapids, Wisconsin, has filed application for license for proposed major power Project No. 1984 on Wisconsin River in Adams, Juneau, and Wood Counties, Wisconsin, which would consist of two developments: (1) The Petenwell development, consisting of a dam about 3½ miles northeast of Necedah, Wisconsin, and about 0.75 mile upstream from the Petenwell bridge of Wisconsin State Highway No. 21, having concrete gated spillway section about 555 feet long, a powerhouse section, and earth sections with aggregate length of about 8,500 feet; earth dikes with aggregate length of about 6½ miles; a reservoir with area of about 21,000 acres at elevation 135, Petenwell datum (U. S. G. S. El. 925.2) extending upstream to the Nekoosa Dam; a powerhouse containing four 7,200-horsepower turbines connected to four 5,000-kilowatt generators, operating under a head of about 42 feet; a substation and appurtenant works. (2) The Castle Rock development, consisting of a dam approximately 15 miles downstream from the Petenwell Dam having concrete gated spillway section about 625 feet long, a powerhouse section, and an earth section about 2,000 feet long; an earth dike about 3 miles long; a reservoir with area of about 16,500 acres at elevation 92.5, Petenwell datum (U. S. G. S. El. 822.7) extending upstream to the proposed Petenwell Dam, a powerhouse containing five 4,300-horsepower turbines connected to five 3,000-kilowatt generators, operating under a head of about 30 feet; a substation; and appurtenant works.

Any protest against the approval of this application or request for hearing thereon, with the reasons for such protest or request and the name and address of the party or parties so protesting or requesting, should be submitted before December 29, 1947, to the Federal Power Commission, Washington 25, D. C.

[SEAL] LEON M. FUQUAY, *Secretary.*

[F. R. Doc. 47-10707; Filed, Dec. 4, 1947; 8:50 a. m.]

[Docket No. E-6107]

ARIZONA EDISON CO., INC.

NOTICE OF DETERMINATION OF EMERGENCY AND GRANTING OF EXEMPTION FOR USE OF INTERCONNECTIONS

DECEMBER 1, 1947.

Notice is hereby given that, on December 1, 1947, the Federal Power Commission issued its determination, entered November 28, 1947, extending to December 31, 1948, the period of maintenance and use of interconnections in the above-designated matter.

[SEAL] LEON M. FUQUAY, *Secretary.*

[F. R. Doc. 47-10704; Filed, Dec. 4, 1947; 8:49 a. m.]

[Docket No. G-958]

YORK COUNTY GAS CO.

ORDER FIXING DATE OF HEARING

NOVEMBER 28, 1947.

Upon consideration of the petition filed October 8, 1947, by York County Gas Company (Petitioner) of York, Pennsylvania, for an order pursuant to section 7 (a) of the Natural Gas Act, directing The Manufacturers Light and Heat Company (Manufacturers) to establish additional physical connections and sell an additional daily volume of 250 Mcf of natural gas to it, as fully described in said petition on file with the Commission and open to public inspection, public notice thereof having been given, including publicaton in the FEDERAL REGISTER on October 23, 1947 (12 FR 6917-6918)

It appearing to the Commission that:

(a) On October 10, 1947, a copy of the aforesaid petition was served upon Manufacturers.

(b) The issues presented by said petition and other pleadings herein include, among others, the following:

(1) The nature of the service presently rendered by Petitioner and the volumes of gas required for continuance of such service to each class of consumers.

(2) The extent to which supplies of natural and manufactured gas are presently available to Petitioner.

(3) Whether such volumes of additional gas supply as may be required by Petitioner can be supplied by Manufacturers.

(4) Whether it is necesary and desirable in the public interest to direct Manufacturers to establish additional physical connections and to sell additional volumes of natural gas to Petitioner.

(5) Whether an undue burden would be placed upon Manufacturers or its ability to render adequate service to its customers would be impaired, if Manufacturers were directed and required to establish additional physical connections of its facilities with and sell additional volumes of natural gas to Petitioner.

(c) For a more detailed statement of facts and law asserted, interested persons may refer to said petition and other pleadings filed in this proceeding, which may be inspected at the office of the Federal Power Commission, Washington, D. C.

(d) The fixing of a date for hearing herein on less than the 15 days notice contemplated by the Commission's rules of practice and procedure is reasonable under the circumstances and good cause exists therefor.

The Commission orders that:

(A) Pursuant to authority contained in and subject to the jurisdiction conferred upon the Federal Power Commission by sections 7 and 15 of the Natural Gas Act, as amended, and the Commission's rules of practice and procedure (as amended June 16, 1947), a public hearing be held commencing on December 11, 1947, at 10:00 o'clock a. m. (e. s. t.), in Room 215, Post Office Building, York, Pennsylvania, concerning the matters involved and the issues presented by the petition and other pleadings in this proceeding.

(B) Interested state commissions may participate as provided by Rules 8 and 37 (f) (18 CFR 1.8 and 1.37 (f)) of said rules of practice and procedure.

Date of issuance: December 1, 1947.

By the Commission.

LEON M. FUQUAY, *Secretary.*

[F. R. Doc. 47-10705; Filed, Dec. 4, 1947; 8:49 a. m.]

[Docket No. IT-6077]

TEXAS ELECTRIC SERVICE CO. ET AL.

NOTICE OF ORDER SUPPLEMENTING ORDER APPROVING PERMANENT CONNECTION FOR EMERGENCY USE ONLY

DECEMBER 1, 1947.

In the matter of Texas Electric Service Company, Texas Power & Light Company, Dallas Power & Light Company, and Southwestern Electric Service Company.

Notice is hereby given that, on December 1, 1947, the Federal Power Commission issued its order entered November 28, 1947, supplementing and modifying its previous order by approving permanent connection for emergency use until March 31, 1949, in the above-designated matter.

[SEAL] LEON M. FUQUAY, *Secretary.*

[F. R. Doc. 47-10706; Filed, Dec. 4, 1947; 8:49 a. m.]

SECURITIES AND EXCHANGE COMMISSION

[File No. 7-1025]

BALTIMORE AND OHIO RAILROAD CO.

NOTICE OF APPLICATION FOR UNLISTED TRADING PRIVILEGES, AND OF OPPORTUNITY FOR HEARING

At a regular session of the Securities and Exchange Commission, held at its office in the city of Philadelphia, Pa., on the 1st day of December A. D. 1947.

The Los Angeles Stock Exchange, pursuant to section 12 (f) (2) of the Securities Exchange Act of 1934 and Rule X-12F-1 thereunder, has made application for unlisted trading privileges in the Common Stock, $100.00 Par Value, of The Baltimore and Ohio Railroad Company, a security listed and registered on the New York Stock Exchange. Rule X-12F-1 provides that the applicant shall furnish a copy of the application to the issuer and to every exchange on which the security is listed or already admitted to unlisted trading privileges. The application is available for public inspection at the Commission's principal office in Philadelphia, Pennsylvania.

Notice is hereby given that, upon request of any interested person received prior to January 6, 1948, the Commission will set this matter down for hearing. In addition, any interested person may submit his views or any additional facts bearing on this application by means of a letter addressed to the Secretary of the Securities and Exchange Commission, Philadelphia, Pennsylvania. If no one requests a hearing on this matter, this application will be determined by order of the Commission on the basis of the facts stated in the application, and other information contained in the official file of the Commission pertaining to this matter.

By the Commission.

[SEAL] ORVAL L. DUBOIS, *Secretary.*

[F. R. Doc. 47-10690; Filed, Dec. 4, 1947; 8:49 a. m.]

[File No. 70-1682]

PUBLIC SERVICE CO. OF NEW HAMPSHIRE

NOTICE OF FILING

At a regular session of the Securities and Exchange Commission held at its office in the city of Philadelphia, Pa., on the 1st day of December A. D. 1947.

Notice is hereby given that an application, and an amendment thereto, has been filed with this Commission, pursuant to the Public Utility Holding Company Act of 1935, by Public Service Company of New Hampshire ("New Hampshire") a public utility subsidiary of New England Public Service Company, a registered holding company. Applicant designates the first sentence of section 6 (b) of the act as applicable to the proposed transactions.

Notice is further given that any interested person may, not later than December 11, 1947, at 5:30 p. m., e. s. t. request the Commission in writing that a hearing be held on such matter, stating the nature of his interest, the reasons for such request and the issues of fact or law raised by said application which he desires to controvert, or may request that he be notified if the Commission orders a hearing thereon. Any such request should be addressed: Secretary, Securities and Exchange Commission, 18th and Locust Streets, Philadelphia 3, Pennsylvania. At any time after December 11, 1947, said application, as amended, may be granted as provided in Rule U-23 of the rules and regulations promulgated under the act, or the Commission may exempt such transactions as provided in Rule U-20 (a) and Rule U-100 thereof.

All interested persons are referred to said application and amendment which are on file in the offices of this Commission for a statement of the transactions therein proposed which are summarized as follows:

New Hampshire proposes to borrow from one or more banks, from time to time, an amount not in excess of $4,900,000 (including $3,200,000 presently outstanding short-term obligations) and to issue, from time to time in evidence thereof, its promissory notes with a maturity of not more than nine months from the issue thereof and with an interest rate not in excess of 2% per annum. The issuance of such notes is for the stated purpose of financing the company's construction program prior to the time when funds will be available from permanent financing. The application states that New Hampshire will retire the proposed notes through the issuance and sale of $3,000,000 principal amount of First Mortgage Bonds and of 139,739 shares of common stock. On November 25, 1947, the company filed an application proposing to issue such securities.

It is represented by applicant that portions of the proposed transactions are subject to the jurisdiction of the New Hampshire Public Service Commission and that no other state commission has jurisdiction over the proposed transactions.

The amount of notes proposed to be issued by New Hampshire is in excess of 5% of the principal amount and par value of outstanding securities of the company. The company requests authorization, pursuant to the first sentence of section 6 (b) of the act, to issue such notes.

New Hampshire requests that the Commission's order be issued by December 20, 1947, and that such order become effective forthwith.

By the Commission.

[SEAL] ORVAL L. DUBOIS, *Secretary.*

[F. R. Doc. 47-10689; Filed, Dec. 4, 1947; 8:49 a. m.]

DEPARTMENT OF JUSTICE

Office of Alien Property

AUTHORITY: 40 Stat. 411, 55 Stat. 839, Pub. Laws 322, 671, 79th Cong., 60 Stat. 50, 925; 50 U. S. C. and Supp. App. 1, 616, E. O. 9193, July 6, 1942, 3 CFR, Cum. Supp., E. O. 9567, June 8, 1945, 3 CFR, 1945 Supp., E. O. 9788, Oct. 14, 1946, 11 F. R. 11981.

[Vesting Order 10140]

WILHELMINA SEIBICKE

In re: Debt owing to Wilhelmina Seibicke, also known as Wilhelmine Seibicke. F-28-589-E-1.

Under the authority of the Trading with the Enemy Act, as amended, Executive Order 9193, as amended, and Executive Order 9788, and pursuant to law, after investigation, it is hereby found:

1. That Wilhelmina Seibicke, also known as Wilhelmine Seibicke, whose last known address is Germany, is a resident of Germany and a national of a designated enemy country (Germany)

2. That the property described as follows:

That certain debt or other obligation owing to Wilhelmina Seibicke, also known as Wilhelmine Seibicke, by San Joaquin Building and Loan Association, 11 S. Hunter Street, Stockton, California, in the amount of $139.17, evidenced by Trust Disbursement Check, #1629 of the aforesaid Association, presently in the custody of the Attorney General of the United States in Collection Account, Symbol 896-027 identified by Schedule N. Y.-1029, Item NY-9774, and any and all rights to demand, enforce and collect the aforesaid debt or other obligation and any and all accruals thereto, together with any and all rights in, to and under the aforesaid check,

is property within the United States owned or controlled by, payable or deliverable to, held on behalf of or on account of, or owing to, or which is evidence of ownership or control by, the aforesaid national of a designated enemy country (Germany)

and it is hereby determined:

3. That to the extent that the person named in subparagraph 1 hereof is not within a designated enemy country, the national interest of the United States requires that such person be treated as a national of a designated enemy country (Germany)

All determinations and all action required by law, including appropriate consultation and certification, having been made and taken, and it being deemed necessary in the national interest,

There is hereby vested in the Attorney General of the United States the property described above, to be held, used, administered, liquidated, sold or otherwise dealt with in the interest of and for the benefit of the United States.

The terms "national" and "designated enemy country" as used herein shall have the meanings prescribed in section 10 of Executive Order 9193, as amended.

Executed at Washington, D. C., on November 13, 1947.

For the Attorney General.

[SEAL] DAVID L. BAZELON, *Assistant Attorney General, Director, Office of Alien Property.*

[F. R. Doc. 47-10713; Filed, Dec. 4, 1947; 8:50 a. m.]

[Vesting Order 10211]

KINICHI KIDANI

In re: Real property owned by Kinichi Kidani.

Under the authority of the Trading with the Enemy Act, as amended, Executive Order 9193, as amended, and Executive Order 9788, and pursuant to law, after investigation, it is hereby found:

1. That Kinichi Kidani, whose last known address is Aki, Agenoshu, Oshima-gun, Yamaguchi-ken, Japan, is a

resident of Japan and a national of a designated enemy country (Japan),

2. That the property described as follows:

Real property situated in Wailuku, Island and County of Maui, Territory of Hawaii, particularly described in Exhibit A, attached hereto and by reference made a part hereof, together with all hereditaments, fixtures, improvements and appurtenances thereto, and any and all claims for rents, refunds, benefits or other payments arising from the ownership of such property,

is property within the United States owned or controlled by, payable or deliverable to, held on behalf of or on account of, or owing to, or which is evidence of ownership or control by, the aforesaid national of a designated enemy country (Japan)

and it is hereby determined:

3. That to the extent that the person named in subparagraph 1 hereof is not within a designated enemy country, the national interest of the United States requires that such person be treated as a national of a designated enemy country (Japan)

All determinations and all action required by law, including appropriate consultation and certification, having been made and taken, and, it being deemed necessary in the national interest,

There is hereby vested in the Attorney General of the United States the property described in subparagraph 2 hereof, subject to recorded liens, encumbrances and other rights of record held by or for persons who are not nationals of designated enemy countries, to be held, used, administered, liquidated, sold or otherwise dealt with in the interest of and for the benefit of the United States.

The terms "national" and "designated enemy country" as used herein shall have the meanings prescribed in section 10 of Executive Order 9193, as amended.

Executed at Washington, D. C., on November 25, 1947.

For the Attorney General.

[SEAL] DAVID L. BAZELON,
Assistant Attorney General,
Director Office of Alien Property.

EXHIBIT A

All of that certain parcel of land situate, lying and being in Wailuku, Island and County of Maui, Territory of Hawaii, being lot number twenty-nine (29) of the tract of land known as the "Harbor View Tract" as shown on the Map thereof filed in the Office of the Registrar of Conveyances at Honolulu, as Registered Map Number Three Hundred (300).

[F. R. Doc. 47-10714; Filed, Dec. 4, 1947; 8:50 a. m.]

[Vesting Order 10212]

LUDWIG REUTTER AND JOSEPHINE REUTTER

In re: Real property and property insurance policy owned by Ludwig Reutter and Josephine Reutter.

Under the authority of the Trading with the Enemy Act, as amended, Executive Order 9193, as amended, and Executive Order 9788, and pursuant to law, after investigation, it is hereby found:

1. That Ludwig Reutter and Josephine Reutter, whose last known address is Germany, are resident of Germany and nationals of a designated enemy country (Germany)

2. That the property described as follows:

a. Real property, situated in the Township of Brookhaven, County of Suffolk and State of New York, particularly described in Exhibits A and B, attached hereto and by reference made a part hereof, together with all hereditaments, fixtures, improvements and appurtenances thereto, and any and all claims for rents, refunds, benefits or other payments arising from the ownership of such property, and

b. All right, title and interest of Ludwig Reutter and Josephine Reutter, in and to Fire Insurance Policy No. 2047, issued by Springfield Fire & Marine Insurance Company, Springfield, Massachusetts, in the amount of $1,500.00, which policy expires June 26, 1950, and insures the real property described in Exhibit A, attached hereto and by reference made a part hereof.

is property within the United States owned or controlled by, payable or deliverable to, held on behalf of or on account of, or owing to, or which is evidence of ownership or control by, the aforesaid nationals of a designated enemy country (Germany)

and it is hereby determined:

3. That to the extent that the persons named in subparagraph 1 hereof are not within a designated enemy country, the national interest of the United States requires that such persons be treated as nationals of a designated enemy country (Germany)

All determinations and all action required by law, including appropriate consultation and certification, having been made and taken, and, it being deemed necessary in the national interest,

There is hereby vested in the Attorney General of the United States the property described in subparagraph 2-a hereof, subject to recorded liens, encumbrances and other rights of record held by or for persons who are not nationals of designated enemy countries, and

There is hereby vested in the Attorney General of the United States the property described in subparagraph 2-b hereof,

All such property so vested to be held, used, administered, liquidated, sold or otherwise dealt with in the interest of and for the benefit of the United States.

The terms "national" and "designated enemy country" as used herein shall have the meanings prescribed in section 10 of Executive Order 9193, as amended.

Executed at Washington, D. C., on November 25, 1947.

For the Attorney General.

[SEAL] DAVID L. BAZELON,
Assistant Attorney General,
Director Office of Alien Property.

EXHIBIT A

All that piece or parcel of land, situate and being in the Township of Brookhaven, County of Suffolk and State of New York, and described as follows, to wit:

Lots Nos. 3697 and 3698 as designated and delineated on the map entitled: "Mastic Park, Section '4', situate at Mastic, Town of Brookhaven, Suffolk County, Long Island, subdivision from original survey certified by May and Smith, Inc., C. E., Patchogue, New York, October 1920" and filed in the Suffolk County Clerk's Office, the 21st day of March 1921, File No. 275.

EXHIBIT B

All that piece or parcel of land, situate and being in the Township of Brookhaven, County of Suffolk and State of New York, and described as follows, to wit:

Lots Nos. 7248, 7249 and 7250 as designated and delineated on the map entitled: "Mastic Park, Section '8' situate at Mastic, Town of Brookhaven, Suffolk County, Long Island, sub-division from original survey certified by May and Smith, Inc., C. E., Patchogue, New York, January 1922" and filed in the Suffolk County Clerk's Office, the 13th day of March 1922, File No. 245.

[F. R. Doc. 47-10715; Filed, Dec. 4, 1947; 8:51 a. m.]