

(b) From any amounts of assistance payments which are reimbursed by child support collections made by the IV-D agency, the IV-A agency shall pay the Federal government its share of the collections made, after the incentive payments, if any, have been made pursuant to § 302.52 of Chapter III of this title.

PART 233—COVERAGE AND CONDITIONS OF ELIGIBILITY IN FINANCIAL ASSISTANCE PROGRAMS

3. Section 233.20 is amended by revising paragraphs (a) (3) (v) and (vi), and revoking paragraph (b) (4) to read as follows:

§ 233.20 Need and amount of assistance.

(a) Requirements for State plans.

(3) Income and resources; OAA, AFDC, AB, APTD, and AABD. * * *

(v) Provide that agency policies will assure that in determining the eligibility of an individual for an assistance payment or the amount of such payment, child support amounts which are collected as part of the State's child support enforcement program will be treated in accordance with § 232.20. Any child support amounts for which an assignment pursuant to § 232.11 is effective, which are received directly by the assistance unit shall be paid to the State child support enforcement unit. Whether or not the support payments are received regularly, the agency does not delay or reduce public assistance payments on the basis of assumed support which is not actually available.

(vi) Except for child support obligations assigned pursuant to § 232.11 of this chapter, if the State agency holds relatives responsible for the support of applicants and recipients, (a) include an income scale for use in determining whether responsible relatives have sufficient income to warrant expectation that they can contribute to the support of applicants or recipients, which income scale exceeds a minimum level of living and at least represents a minimum level of adequacy that takes account of the needs and other obligations of the relatives; and (b) provide that no request will be made for contributions from relatives whose net cash income is below the income scale. In family groups living together, income of the spouse is considered available is considered available for children under 21.

(b) (4) Revoked.

4. Section 233.90 is amended by revising paragraph (b) (4) to read as follows:

§ 233.90 Factors specific to AFDC.

(b) Conditions for plan approval.

(4) (i) A child may not be denied AFDC either initially or subsequently because a parent or other caretaker relative fails to cooperate with the child sup-

port agency in performing any of the activities needed to:

(A) Establish the paternity of a child born out of wedlock; or

(B) Obtain support from a person having a legal duty to support the child.

(ii) Any parent or caretaker relative who fails to so cooperate shall be treated in accordance with § 232.12 of this chapter.

PART 234—FINANCIAL ASSISTANCE TO INDIVIDUALS

5. Section 234.60 is amended by revising paragraph (a) (1), adding a new paragraph (a) (13). As amended, § 234.60 reads as follows:

§ 234.60 Protective and vendor payments for dependent children.

(a) State plan requirements. (1) If a State plan for AFDC under title IV-A of the Social Security Act provides for protective and vendor payments for other than WIN cases and cases in which the caretaker relative fails to meet the eligibility requirements of §§ 232.11 or 232.12 of this chapter, it must meet the requirements in paragraph (a) (2) through (11) of this section.

(13) For cases in which a caretaker relative fails to meet the eligibility requirements of § 232.11 or § 232.12 of this chapter by failing to assign rights to support or cooperate in determining paternity and securing support, the State plan must provide that only the requirements of paragraph (a) (7) and (9) (ii) of this section will be applicable. For such cases the entire amount of the assistance payment will be in the form of protective or vendor payments. These protective or vendor payments will be terminated, with return to money payment status, only upon compliance by the caretaker relative with the eligibility requirements of §§ 232.11 and 232.12 of this chapter.

PART 235—ADMINISTRATION OF FINANCIAL ASSISTANCE PROGRAMS

6. Section 235.70 is revised to read as follows:

§ 235.70 Prompt notice to child support agency.

A State plan under title IV-A of the Social Security Act must provide for prompt notice to the State or local child support agency designated pursuant to section 454(3) of the Social Security Act whenever AFDC is furnished with respect to a child who has been deserted or abandoned by a parent. Under this requirement:

(a) "Prompt notice" means written notice within two working days of the furnishing of aid including, a copy of the AFDC case record, or all relevant information as prescribed by the child support agency. The title IV-A agency and the child support agency may agree to provide notice immediately upon the filing of an application for assistance.

Under this definition:

(1) "Furnish" means the date on which cash is given to the family, a check or warrant is mailed to the family, a deposit is made in a bank for the family, or other similar circumstances in which an assistance payment is made to the family; and

(2) "Aid" means Aid to Families with Dependent Children, emergency assistance, or AFDC Foster Care.

(b) "A child who has been deserted or abandoned by a parent" means any child whose eligibility for AFDC is based on continued absence of a parent from the home, and includes a child born out of wedlock without regard to whether the paternity of such child has been established.

Effective date: The regulations in these parts shall be effective on July 1, 1975.

Dated: June 12, 1975.

JOHN A. SVAHN,
Acting Administrator, Social
and Rehabilitation Service.

Approved: June 20, 1975.

CASPAR W. WEINBERGER,
Secretary.

[FR Doc. 75-16662 Filed 6-25-75; 8:45 am]

CHAPTER III—OFFICE OF CHILD SUPPORT ENFORCEMENT (CHILD SUPPORT ENFORCEMENT PROGRAM), DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

CHILD SUPPORT ENFORCEMENT PROGRAM

State Plan Requirements

Notice of proposed rule making to implement the Child Support Enforcement Program established by Part B of Pub. L. 93-647 was published in the FEDERAL REGISTER for Parts 301, 302, and 303 on May 8, 1975 (40 FR 20096) and Part 304 on May 9, 1975 (40 FR 20286). Part B of Pub. L. 93-647 repeals section 402(a) (17), (18), (21), and (22) of the Social Security Act effective July 1, 1975. This section provided the statutory basis for 45 CFR 220.48, which will be revoked.

We received 76 responses from public welfare agencies, private citizens, advocate groups, Federal agencies, District Attorneys, State Attorney Generals, and a court. Many comments suggested improvements and clarifications in the regulations. For example, a number of comments suggested that the procedures for treatment and distribution of child support collections be clarified. Sections 302.32 and 302.51 have been expanded to provide more specific guidelines for treatment of child support collections. However, a substantial number of comments raised objections that could only be resolved by amending the legislation upon which the regulations are based. For example, several comments recommended that the incentive payment provided for in § 302.52 be made available to States for intra-State collections and that the amount of the incentive payment be changed to a flat 15 or 20 per-

cent. However, section 458 of the Act precludes States' participation in incentive payments except when they collect on behalf of other States and mandates a 25 percent and 10 percent incentive payment amount. Therefore the Department would have no authority to adopt such recommended changes in the final regulations.

The vast majority of the changes being made in the final regulations are either technical in nature or represent clarification of certain provisions of the proposed regulations. Major changes include the following:

1. Section 302.17 of the proposed regulations relating to standards of personnel administration has been deleted, based on a determination that such standards are not required by title IV-D of the Act.

2. Sections 302.32 and 302.51 have been amended to describe with greater specificity the system for treatment and distribution of child support collections. The system provides that amounts collected as child support in a month which represent the child support obligation for that month will be identified by the Child Support Enforcement Agency (IV-D agency). The IV-D agency will inform the State's IV-A agency of the amount of child support representing a month's obligation as soon after the close of the month as is possible. The IV-A agency will utilize this amount to determine if the family is eligible for an assistance payment in the first assistance payment redetermination it makes after being notified of the amount of the monthly collection. In no case will this redetermination be more than 2 months after the close of the month in which the collection was made (See also 45 CFR 232.20). The IV-A agency will inform the IV-D agency if the amount causes the family to be ineligible for an assistance payment, in which case the IV-A agency will notify the family of this fact and the IV-D agency will pay the family the amount of the child support collection in the month for which the IV-A agency had determined that the family is ineligible for an assistance payment. If the amount of the child support collection for the month does not make the family ineligible for an assistance payment for the month to which the redetermination applies, the collection shall be distributed pursuant to the requirements of § 302.51. Any payment to the family pursuant to § 302.51(b) (3) or (5) will be made in the month after the month in which the amount of the collection was used to redetermine the family's eligibility for an assistance payment.

3. Paragraph (d) has been added to § 302.33 to specify that the State may take an assignment of support rights from an individual who is not a recipient of aid, but that such an assignment may not be a requirement for receipt of child support services nor may it constitute an assignment for purposes of 45 CFR 232.11.

4. Section 302.34 has been amended to specify that cooperative agreements may be entered into with a single official covering more than one court or agency, if the official has authority to enter into agreements on their behalf.

5. Paragraph (a) (2) of § 302.50 has been clarified by providing two examples of "other legal process" for purposes of establishing the support obligation, and paragraph (b) (2) has been clarified by indicating that the support formula must be utilized in conjunction with "other legal process."

6. Paragraph (f) has been added to § 302.51 to incorporate the provisions contained in § 302.50(d) of the proposed regulations and to specify that amounts collected which exceed the amount of unreimbursed past assistance must be paid to the family, and that for those cases in which current support collections are authorized under § 302.51(e), priority must be given to collecting current support.

7. Paragraph (c) has been added to § 302.52 to prescribe time periods within which the child support collection must be forwarded to the appropriate IV-D agency and within which the incentive payment must be made to the collecting jurisdiction.

8. Paragraph (d) has been added to § 302.52 to prescribe the use of the Federal Information Processing Standards Publication (FIPS) as a tracking device for purposes of making incentive payments.

9. Paragraph (b) (3) of § 302.72 has been modified to require that, prior to making a request for use of the United States District Courts, the IV-D agency must wait 60 days after its original request to the other State and then provide 30 days notice to such other State of its intent to seek use of the United States District Courts.

10. Section 303.3 has been amended to permit use of both State and local locator resources within a total of 60 days.

11. Section 303.5 has been amended to specify that in cases of rape, incest, or adoption, a State need not attempt to establish paternity if it would not be in the best interests of the child.

12. Section 303.20 has been amended to make the organizational requirements consistent with the provisions for Federal financial participation in Part 304. The IV-D agency may not delegate any of the IV-D functions to IV-A caseworkers, except upon approval of the Office of Child Support Enforcement for sparsely populated geographic areas.

13. Section 304.26 has been amended to provide alternatives in determining the amount of Federal reimbursement for those States that utilize section 403(a) of the Act in computing the Federal share of assistance payments.

Accordingly, after considering all the comments, the proposed regulations, as modified, are adopted.

1. Title 45 of the Code of Federal Regulations is amended by establishing a new Chapter III consisting of Parts 301 and 302, 303 and 304 as set forth below:

PART 301—STATE PLAN APPROVAL AND GRANT PROCEDURES

Sec.	
301.0	Scope and applicability of this part.
301.1	General definitions.
301.10	State plan.
301.11	State plan; format.
301.12	Submission of State plan for Governor's review.
301.13	Approval of State plans and amendments.
301.14	Administrative review of certain administrative decisions.
301.15	Grants.

AUTHORITY: Sec. 1102, 49 Stat. 647 (42 U.S.C. 1302).

§ 301.0 Scope and applicability of this part.

This part deals with the administration of title IV-D of the Social Security Act by the Federal Government including actions on the State plan and amendments thereto and review of such actions; grants under the approved plan; review and audit of State and local expenditures; and reconsideration of disallowances of expenditures for Federal financial participation.

§ 301.1 General definitions.

When used in this chapter, unless the context otherwise indicates:

(a) "Act" means the Social Security Act, and the title referred to is title IV-D of that Act;

(b) "Department" means the Department of Health, Education, and Welfare;

(c) "Director" means the Director, Office of Child Support Enforcement, who is the Secretary's designee to administer the Child Support Enforcement program under title IV-D;

(d) "Secretary" means the Secretary of Health, Education, and Welfare;

(e) "Office" means the Office of Child Support Enforcement which is the separate organizational unit within the Department with the responsibility for the administration of the program under this title;

(f) "State" means the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, and Guam;

(g) "IV-D Agency" means the single and separate organizational unit in the State that has the responsibility for administering or supervising the administration of the State plan under title IV-D of the Act;

(h) The terms "Regional Office" and "fices and the central office of the Office of Child Support Enforcement, respectively;

(i) The "State plan" means the State plan for child support under section 454 of the Act;

(j) "Federal PLS" means the Parent Locator Service operated by the Office of Child Support Enforcement pursuant to section 452(a) (9) of the Act.

(k) "State PLS" means the service established by the IV-D agency pursuant to section 454(8) of the Act to locate absent parents.

§ 301.10 State plan.

The State plan is a comprehensive statement submitted by the IV-D agency

describing the nature and scope of its program and giving assurance that it will be administered in conformity with the specific requirements stipulated in title IV-D, the regulations in Subtitle A and this chapter of this title, and other applicable official issuances of the Department. The State plan contains all information necessary for the Office to determine whether the plan can be approved, as a basis for Federal financial participation in the State program.

§ 301.11 State plan; format.

The State plan must be submitted to the Office in the format and containing the information prescribed by the Office, and within time limits set in implementing instructions issued by the Office. Such time limits will be adequate for proper preparation of plans and submittal in accordance with the requirements for State Governors' review (see section 301.12 of this chapter).

§ 301.12 Submittal of State plan for Governor's review.

The State plan must be submitted to the State Governor for his review and comments, and the State plan must provide that the Governor will be given opportunity to review State plan amendments and long-range program planning projections or other periodic reports thereon. This requirement does not apply to periodic statistical or budget and other fiscal reports. Under this requirement, the Office of the Governor will be afforded a specified period in which to review the material. Any comments made will be transmitted to the Office with the documents.

§ 301.13 Approval of State plans and amendments.

The State plan consists of written documents furnished by the State to cover its Child Support Enforcement program under title IV-D of the Act. After approval of the original plan by the Office, all relevant changes, required by new statutes, rules, regulations, interpretations, and court decisions, are required to be submitted currently so that the Office may determine whether the plan continues to meet Federal requirements and policies.

(a) *Submittal.* State plans and revisions of the plans are submitted first to the State governor or his designee for review in accordance with § 301.12, and then to the regional office. The States are encouraged to obtain consultation of the regional staff when a plan is in process of preparation or revision.

(b) *Review.* The Office of Child Support Enforcement in the regional offices is responsible for review of State plans and amendments. It also initiates discussion with the IV-D agency on clarification of significant aspects of the plan which come to its attention in the course of this review. State plan material on which the regional staff has questions concerning the application of Federal policy is referred with recommendations as required to the Office of Child Support Enforcement in the central office for technical assistance. Comments and

suggestions, including those of consultants in specified areas, may be prepared by the central office for use by the regional staff in negotiations with the IV-D agency.

(c) *Action.* The Regional Office exercises delegated authority to take affirmative action on the State plan and amendments thereto on the basis of policy statements or precedents previously approved by the Director. The Director retains authority for determining that proposed plan material is not approvable, or that a previously approved plan no longer meets the requirements for approval, except that a final determination of disapproval may not be made without prior consultation and discussion by the Director with the Secretary. The Regional Office or the Director formally notifies the IV-D agency of the actions taken on the State plan or revisions thereto.

(d) *Basis for approval.* Determinations as to whether the State plan (including plan amendments and administrative practice under the plan) originally meets or continues to meet the requirements for approval are based on relevant Federal statutes and regulations. Guidelines are furnished to assist in the interpretation of the regulations.

(e) *Prompt approval of the State plan.* The determination as to whether the State plan submitted for approval conforms to the requirements for approval under the Act and regulations issued pursuant thereto shall be made promptly and not later than the 90th day following the date on which the plan submittal is received in the regional office, unless the Regional Office has secured from the IV-D agency a written agreement to extend that period.

(f) *Prompt approval of plan amendments.* Any amendment of an approved State plan may, at the option of the State, be considered as a submission of a new State plan. If the State requests that such amendments be so considered, the determination as to its conformity with the requirements for approval shall be made promptly and not later than the 90th day following the date on which such a request is received in the Regional Office with respect to an amendment that has been received in such office, unless the Regional Commissioner has secured from the State agency a written agreement to extend that period.

(g) *Effective date.* The effective date of a new plan may not be earlier than the first day of the calendar quarter in which an approvable plan is submitted.

§ 301.14 Administrative review of certain administrative decisions.

Any State dissatisfied with a determination of the Director pursuant to § 301.13 (e) or (f) with respect to any plan or amendment may, within 60 days after the date of receipt of notification of such determination, file a petition with the Regional Office asking the Director for reconsideration of the issue of whether such plan or amendment conforms to the requirements for approval under the Act and pertinent Federal

requirements. Within 30 days after receipt of such a petition, the Director shall notify the State of the time and place at which the hearing for the purpose of reconsidering such issue will be held. Such hearing shall be held not less than 30 days nor more than 60 days after the date notice of such hearing is furnished to the State, unless the Director and the State agree in writing on another time. The hearing procedures contained in 45 CFR Part 213 applicable to § 201.4 of this title shall apply to reconsiderations brought under this section. A determination affirming, modifying, or reversing the Director's original decision will be made within 60 days of the conclusion of the hearing. Action pursuant to an initial determination by the Director described in such § 301.1 (e) or (f) that a plan or amendment is not approvable shall not be stayed pending the reconsideration, but in the event that the Director subsequently determines that his original decision was incorrect he shall certify restitution forthwith in a lump sum of any funds incorrectly withheld or otherwise denied.

§ 301.15 Grants.

To States with approved plans, a grant is made each quarter for expenditures under the plan for the administration of the Child Support Enforcement program. The determination as to the amount of a grant to be made to a State is based upon documents submitted by the IV-D agency containing information required under the Act and such other pertinent facts as may be found necessary.

(a) *Form and manner of submittal.* (1) *Time and place:* An estimate for a grant for each quarterly period must be forwarded to the Regional Office 45 days prior to the period of the estimate. It includes a certification of State funds and a justification statement in support of the estimate. A statement of quarterly expenditures and any necessary supporting schedules must be forwarded to the Department of Health, Education, and Welfare, Social and Rehabilitation Service, Attention: Finance Division, Washington, D.C. 20201, not later than 30 days after the end of the quarter.

(2) *Description of forms:* "State Agency Expenditure Projection—Quarterly Projection by Program" represents the IV-D agency's estimate of the total amount and the Federal share of expenditures for the administration of the title IV-D program for the quarter. From this estimate the State and Federal shares of the total expenditures are computed. The State's computed share of total estimated expenditures is the amount of State and local funds necessary for the quarter. The Federal share is the basis for the funds to be advanced for the quarter. The agency must also certify, on this form or otherwise, the amount of State funds (exclusive of any balance of advances received from the Federal Government) actually on hand and available for expenditure; this certification must be signed by the executive officer of the IV-D agency submitting the estimate or a person officially design-

nated by him, or by a fiscal officer of the State if required by State law or regulation. (A form "Certificate of Availability of State Funds for Assistance and Administration during Quarter" is available for submitting this information, but its use is optional.) If the amount of State funds (or State and local funds if localities participate in the program), shown as available for expenditures is not sufficient to cover the State's proportionate share of the amount estimated to be expended, the certification must contain a statement showing the source from which the amount of the deficiency is expected to be derived and the time when this amount is expected to be made available.

(3) The IV-D agency must also submit a quarterly statement of expenditures for the title IV-D program. This is an accounting statement of the disposition of the Federal funds granted for past periods and provides the basis for making the adjustments necessary when the State's estimate for any prior quarter was greater or less than the amount the State actually expended in that quarter. The statement of expenditures also shows the share of the Federal Government in any recoupment, from whatever source, of expenditures claimed in any prior period, and also in expenditures not properly subject to Federal financial participation which are acknowledged by the IV-D agency or have been revealed in the course of an audit.

(b) *Review.* The State's estimate is analyzed by the regional office and is forwarded with recommendations as required to the central office. The central office reviews the State's estimate, other relevant information, and any adjustments to be made for prior periods, and computes the grant.

(c) *Grant award.* The grant award computation form shows the amount of the estimate for the ensuing quarter, and the amounts by which the estimate is reduced or increased because of over- or under-estimate for the prior quarter and for other adjustments. This form is transmitted to the IV-D agency to draw the amount of the grant award as needed, to meet the Federal share of disbursements. The draw is through a commercial bank and the Federal Reserve system against a continuing letter of credit certified to the Secretary of the Treasury in favor of the State payee. A notice of the amount of the grant award is sent to the State Central Information Reception Agency in accord with section 201 of the Intergovernmental Cooperation Act of 1968.

(d) *Letter of credit payment system.* The letter of credit system for payment of advances of Federal funds was established pursuant to Treasury Department regulations (Circular No. 1075), published in the FEDERAL REGISTER on July 11, 1967 (32 FR 10201). The HEW "Instructions to Recipient Organizations for Use of Letter of Credit" was transmitted to all grantees by memorandum from the Assistant Secretary-Comptroller on January 15, 1968.

(e) *General administrative requirements.* With the following exceptions, the

provisions of Part 74 of this title, establishing uniform administrative requirements and cost principles, shall apply to all grants made to States under this part:

45 CFR Part 74

Subpart G Matching and Cost Sharing.
Subpart I Financial Reporting Requirements.

PART 302—STATE PLAN REQUIREMENTS

Sec.	
302.0	Scope of this part.
302.1	Definitions.
302.10	Statewide operations.
302.11	State financial participation.
302.12	Single and separate organizational unit.
302.13	Plan amendments.
302.14	Fiscal policies and accountability.
302.15	Reports and maintenance of records.
302.16	Cost allocation.
302.17	Inclusion of State statutes.
302.31	Establishing paternity and securing support.
302.32	Child support payments to the IV-D agency.
302.33	Individuals not otherwise eligible.
302.34	Cooperative arrangements.
302.35	State parent locator service.
302.36	Cooperation with other States.
302.37	Distribution of child support payments.
302.38	Payments to the family.
302.39	Standards for an effective program.
302.50	Support obligations.
302.51	Distribution of child support collections.
302.52	Incentive payments to States and political subdivisions.
302.53	Formula for determining the amount of the obligation.
302.70	Requests for information from the Federal Parent Locator Service (PLS).
302.71	Requests for collection by the Secretary of the Treasury.
302.72	Applications to use the courts of the United States to enforce court orders.

AUTHORITY: Sec. 1102, 49 Stat. 647 (42 U.S.C. 1302)

§ 302.0 Scope of this part.

This part defines the State plan provisions required for an approved plan under title IV-D of the Act.

§ 302.1 Definitions.

The definitions found in section 301.1 of this Chapter also are applicable to this part.

§ 302.10 Statewide operations.

The State plan shall provide that:

(a) It will be in operation on a statewide basis in accordance with equitable standards for administration that are mandatory throughout the State;

(b) If administered by a political subdivision of the State, the plan will be mandatory on such political subdivision;

(c) The IV-D agency will assure that the plan is continuously in operation in all appropriate offices or agencies through:

(1) Methods for informing staff of State policies, standards, procedures and instructions; and

(2) Regular planned examination and evaluation of operations in local offices by regularly assigned State staff, including regular visits by such staff; and through reports, controls, or other necessary methods.

§ 302.11 State financial participation.

The State plan shall provide that the State will participate financially in the program.

§ 302.12 Single and separate organizational unit.

(a) The State plan shall provide for the establishment or designation of a single and separate organizational unit to administer the IV-D plan. Such unit is referred to as the IV-D agency. Under this requirement:

- (1) The IV-D agency may be:
 - (i) Located in the single State agency designated pursuant to § 205.100 to administer title IV-A of the Act;
 - (ii) Located in any other agency of the State; or,
 - (iii) Established as a new agency of the State.

(2) The IV-D agency shall be responsible and accountable for the operation of the IV-D program. Except as provided in § 303.20 of this Part, the agency need not perform all the functions of the IV-D program so long as it insures that all these functions are being carried out properly, efficiently, and effectively;

(3) If the IV-D agency delegates any of the functions of the IV-D program to any other State or local agency or official, or any official with whom a cooperative agreement as described in § 302.34 has been entered into or purchases services from any person or private agency pursuant to § 304.22 of this Part, the IV-D agency shall have responsibility for securing compliance with the requirements of the State plan by such agency or officials.

(b) The State plan shall describe the structure of the IV-D agency and the distribution of responsibilities among the major divisions within the unit, and if it is located within another agency, show its place in such agency. If any of the IV-D program functions are to be performed outside of the IV-D agency then these functions shall be listed with the name of the organization responsible for performing them.

§ 302.13 Plan amendments.

(a) The State plan shall provide that the plan will be amended whenever necessary to reflect new or revised Federal statutes or regulations, or material change in any phase of State law, organization, policy or IV-D agency operation.

(b) *Federal financial participation.* Except where otherwise provided, Federal financial participation is available in the additional expenditures resulting from an amended provision of the State plan as of the first day of the calendar quarter in which an approvable amendment is submitted or the date on which the amended provision becomes effective in the State, whichever is later.

§ 302.14 Fiscal policies and accountability.

The State plan shall provide that the IV-D agency, in discharging its fiscal accountability, will maintain an accounting system and supporting fiscal records adequate to assure that claims for Federal funds are in accord with applicable Federal requirements. The retention and custodial requirements for these records are prescribed in 45 CFR Part 74.

§ 302.15 Reports and maintenance of records.

(a) The State plan shall provide that:

- (1) The IV-D agency will maintain records necessary for the proper and efficient operation of the plan, including records regarding:

- (i) Applications pursuant to § 302.33 for child support services available under the State plan;

- (ii) Location of absent parents, actions to establish paternity and obtain and enforce child support, and the costs incurred in such actions;

- (iii) Amount and sources of child support collections and the distribution of these collections;

- (iv) Any fees charged or paid for child support enforcement services;

- (v) Any other administrative costs;

- (vi) Any other information required by the Office; and,

- (vii) Statistical, fiscal, and other records necessary for reporting and accountability required by the Secretary.

The retention and custodial requirements for these records are prescribed in 45 CFR Part 74.

(2) The IV-D agency will make such reports in such form and containing such information, as the Secretary may from time to time require, and comply with such provisions as he may from time to time find necessary to assure the correctness and verification of such reports.

(b) *Conditions for optional use of microfilm copies.* Certified microfilm copies of the substantiating documents required for Federal audit and review purposes may be substituted for the originals (i.e., the originals may be destroyed), provided that:

- (1) The IV-D agency can show, on the basis of a study of its record storage situation, that the use of microfilm copies is in the interest of efficiency and economy;

- (2) The proposed microfilm system is adequate;

- (i) To enable the IV-D agency to discharge its own audit responsibility for propriety of expenditures for which Federal financial participation is claimed and in no way hinders the IV-D agency's supervision and control of the programs; and

- (ii) To enable the HEW Audit Agency and the Office to properly discharge their respective responsibilities for reviewing the manner in which all aspects of the Child Support Enforcement program are being administered in the State; and

- (3) Prior approval is obtained from the regional office indicating that the system meets the conditions in paragraph (b) (2) of this section and that the

proposed microfilming procedures are reliable and are supported by an adequate retrieval system.

§ 302.16 Cost allocation.

(a) The State plan shall provide that:

- (1) The IV-D agency has an approved cost allocation plan on file with the Regional Office which identifies and describes the methods and procedures the State has established for properly charging the costs of administration, services, (excluding purchased services), and training activities under the plan in accordance with the Federal requirements set out in 45 CFR Part 74, Appendix C, and in Department and Office regulations and instructions.

- (2) The cost allocation plan includes description of the functions and activities by organizational units or other cost centers prescribed in the State plan; estimated costs for an annual period by organizational units or other cost centers (unless specifically waived by the Regional Office); and the basis used for allocating the various pools of costs to programs and activities (with justification for each).

- (3) The cost allocation plan contains such other information as is necessary to document the validity of the cost allocation methods and procedures and must include methods and procedures for:

- (i) Allocating all such administrative costs of the State Department in which the IV-D agency is located between Federal and non-Federal programs;

- (ii) Identifying, of the costs applicable to more than one of the Federal programs, those applicable to each of the separate programs, in accordance with program classifications specified by the Secretary; and

- (iii) Segregating costs in paragraph (a) (3) (i) of this section by classifications as are found necessary by the Secretary.

- (4) The estimated costs are included solely to permit evaluation of the methods of allocation, and therefore approval of the cost allocation plan shall not constitute approval of these estimated costs for use in calculating claims for Federal financial participation.

- (5) A State shall revise its cost allocation plan when the allocation method shown in the existing plan is outdated due to organizational changes within the IV-D agency, changes in Federal law or regulations, or other similar changes.

(b) *Federal financial participation.* (1) As a condition for receipt of Federal financial participation in administration of the IV-D program for any quarterly period, a IV-D agency's claim for such expenditures must be in accord with a cost allocation plan on file with and approved by the Regional Office for that period.

- (2) If a IV-D agency fails to revise its cost allocation plan as required by paragraph (a) (2) of this section within the quarter that such changes are effective, the Regional Office will defer payment of any overstated portions of expenditures which he determines to result from the IV-D agency using an outdated cost

allocation method until the IV-D agency has submitted a revised cost allocation plan which is approved by him and the IV-D agency has revised its claim accordingly.

- (3) If a IV-D agency does not have any cost allocation plan on file with the Regional Office, payment will not be made for those costs of administration which require an allocation method. Such payments will be deferred until such time as a cost allocation plan has been submitted and is approved by the Regional Office.

§ 302.17 Inclusion of State statutes.

The State plan shall provide a copy of State statutes, or regulations promulgated pursuant to such statutes and having the force of law (including citations of such statutes and regulations), that provide procedures to be used in the determination of paternity of a child born out of wedlock, and to establish the child support obligation of a responsible parent, and to enforce such child support obligations.

§ 302.31 Establishing paternity and securing support.

The State plan shall provide that the IV-D agency will undertake:

- (a) In the case of a child born out of wedlock with respect to whom an assignment under § 232.11 of this title is effective, to establish the paternity of such child; and

- (b) In the case of any child with respect to whom such assignment is effective, to secure support for such child from any person who is legally liable for such support, utilizing reciprocal arrangements adopted with other States when appropriate.

§ 302.32 Child support payments to the IV-D agency.

The State plan shall provide that:

- (a) In any case in which child support payments are collected for a recipient of aid under the State's title IV-A plan with respect to whom an assignment under § 232.11 is effective, such payments shall be made to the IV-D agency and shall not be paid directly to the family except as provided in paragraph (b).

- (b) As soon as possible but not later than 30 days after the end of a month, the IV-D agency will inform the agency administering the State's title IV-A plan of the amount of the collection which represents payment on the required support obligation for that month as determined in § 302.51(a). Upon being informed of this amount, the IV-A agency will determine if such amount is sufficient to make the family ineligible for an assistance payment pursuant to the State's IV-A plan (See § 232.20 of Chapter II of this title). If such amount is sufficient to make the family ineligible for an assistance payment, the IV-A agency will notify the IV-D agency of such fact and the IV-D agency must pay such amount to the family in the month for which the IV-A agency had determined that the family is ineligible for an assistance payment except in those

cases pursuant to § 205.10 of this title in which a family is nevertheless entitled to an assistance payment pending the result of a hearing. With such payment the IV-D agency will notify the family if it will continue to collect and distribute current support payments pursuant to § 302.51(e)(1) of this part.

(c) If the IV-A agency determines that the amount of the collection which represents payment on the required support obligation for the month does not make the family ineligible for an assistance payment, or if a hearing is requested pursuant to § 205.10 of this title, the IV-A agency will notify the IV-D agency of such fact and the IV-D agency will distribute such amount pursuant to § 302.51 of this part.

(d) To the extent any amount collected in a month includes payment on required support obligations for past months, that portion of such amount will be distributed by the IV-D agency pursuant to § 302.51(b)(4) and (5) of this part.

(e) Child support collected in a month after any month in which the child support collected makes the family ineligible for an assistance payment (pursuant to § 232.20 of this title) but prior to or in the month in which the family receives its last assistance payment, shall be used to reimburse the State for any assistance paid in such months with any excess being paid to the family. This provision will not apply when a hearing is requested pursuant to § 205.10 of this title. In these cases, when the hearing results in a determination that the family was ineligible for an assistance payment, the IV-D agency will determine the amount by which the entire child support collection for a month that the family would have received pursuant to paragraph (b) above exceeds the amount the family actually received for a month as an assistance payment and pursuant to § 302.51. Such excess shall be paid to the family. If the family is determined to be eligible, distribution will continue to be made pursuant to § 302.51.

§ 302.33 Individuals not otherwise eligible for paternity and child support services.

(a) The State plan shall provide that the child support collection or paternity determination services established under the plan shall be made available to any individual not otherwise eligible for such services upon application filed by such individual with the IV-D agency.

(b) The State plan may provide for an application fee to be charged each individual who applies for services under this section. If the State elects to charge a fee, the State plan shall specify either:

(1) A flat dollar amount not to exceed \$20 to be charged each applicant; or,
(2) A fee schedule to be used to determine the fee to be charged each applicant. Such fee schedule will be based on each applicant's income and will be designed so as not to discourage the application for such services by those most in need of them.

(c) The State plan may provide for recovery of any costs incurred in excess

of the application fee in collection of child support. If the State elects to recover such costs they shall be deducted from the amount of such recovery. In a particular case, large initial costs of establishing paternity or collecting child support may be prorated over a period of months for purposes of recovering such costs. If the State elects to recover costs under this paragraph, the individual for whom child support services are provided shall be informed of such fact.

(d) The IV-D agency may take an assignment of support rights from an individual applying for paternity or child support services under this section. However, such assignment shall not constitute an assignment for purposes of § 232.11 of this title and may not be a condition of receipt of such services.

§ 302.34 Cooperative arrangements.

The State plan shall provide that the State will enter into written agreements for cooperative arrangements with appropriate courts and law-enforcement officials. Such agreements may be entered into with a single official covering more than one court, official, or agency, if such single official has the legal authority to enter into agreements on behalf of such courts, officials, or agencies. Such agreements shall contain provisions for providing courts and law-enforcement officials with pertinent information needed in locating absent parents, establishing paternity and securing support, including the immediate transfer of the information obtained under § 235.70 of this title to the court or law-enforcement official, to the extent that such information is relevant to the duties to be performed pursuant to the agreement. They shall also provide for assistance to the IV-D agency in carrying out the program, and may relate to any other matters of common concern. Under this requirement such agreements may include provisions:

(a) For the investigation and prosecution of fraud directly related to paternity and child support;

(b) To reimburse courts and law-enforcement officials for their assistance.

§ 302.35 State parent locator service.

The State plan shall provide that:

(a) The IV-D agency will establish a parent locator service utilizing:

(1) All sources of information and records available in the State, and in other States as appropriate; and

(2) The Federal PLS of the Department of Health, Education, and Welfare.

(b) The State PLS will have a central State office and may also establish or designate offices at the local level.

(c) The IV-D agency will accept applications to utilize the Federal PLS from:

(1) Any State or local agency or official seeking to collect child support obligations pursuant to the State plan;

(2) A court which has authority to issue an order against an absent parent for the support and maintenance of a child, or any agency of such court; or

(3) The resident parent, legal guardian, attorney, or agent of a child who is not receiving aid under title IV-A of the Act.

However, prior to the submission of any request to the Federal PLS, the State PLS must first make diligent and reasonable efforts to exhaust the State and local parent locator resources;

(d) Any requests to the Federal PLS under section 453 of the Act will be submitted only by the central State office in accordance with the manner and form prescribed by the Secretary.

(e) The IV-D agency will collect or pay the fee which is required by section 453(e)(2) of the Act to be charged the individuals described in paragraph (c) (3) of this section.

§ 302.36 Cooperation with other States.

The State plan shall provide that the State will cooperate with any other State:

(a) In establishing paternity, if necessary;

(b) In locating an absent parent who is present in the State and against whom any action is being taken under a IV-D program in any other State;

(c) In securing compliance by an absent parent who is present in the State with an order issued by a court of competent jurisdiction against such parent for the support and maintenance of a child or children of such parent with respect to whom aid is being provided under the plan approved under title IV-A of the Social Security Act in any other State; and,

(d) In carrying out any other function required under a plan approved under title IV-D.

§ 302.37 Distribution of child support payments.

The State plan shall provide that, pursuant to the requirements of § 302.32 of this Part, amounts collected as child support will be distributed as provided in § 302.51 of this Part.

§ 302.38 Payments to the family.

The State plan shall provide that any payment required to be made under §§ 302.32 and 302.51 of this Part to a family will be made to the resident parent, legal guardian, or caretaker relative having custody of or responsibility for the child or children.

§ 302.39 Standards for an effective program.

The State plan shall provide that the IV-D agency will comply with the standards for an effective program and the organizational and staffing requirements prescribed by Part 303 of this Chapter.

§ 302.50 Support obligations.

The State plan shall provide as follows:

(a) The support rights assigned to the IV-D agency pursuant to § 232.11 of this title constitute an obligation owed to the State by the individual responsible for providing such support. Such obligation shall be established by:

(1) Order of a court of competent jurisdiction.

(2) Other legal process as established by State laws, such as an administrative hearing process or a legally enforceable and binding agreement; or.

(3) For cases receiving child support services under the provisions of section 402(a) (17) and (18) of the Act prior to July 1, 1975, the obligation may be that established by an agreement which was entered into prior to July 1, 1975 which does not meet the requirement of paragraph (a) (2) of this section. In the event of a breach of the agreement, such agreement must be superseded pursuant to paragraph (a) (1) or (2) of this section as soon as possible. All agreements not meeting the requirements of paragraph (a) (2) of this section must be superseded pursuant to paragraph (a) (1) or (2) of this section on the basis of one-third by January 1, 1976, two-thirds by July 1, 1976, and all by January 1, 1977;

(b) The amount of the obligation described in paragraph (a) of this section shall be:

(1) The amount specified in the order of a court of competent jurisdiction which covers the assigned support rights; or

(2) If there is no court order, an amount determined in writing by the IV-D agency as part of the legal process referred to in paragraph (a) (2) of this section in accordance with a formula which meets the criteria prescribed in § 302.53.

(c) The obligation described in paragraph (a) of this section shall be deemed for collection purposes to be collectible under all applicable State and local processes.

(d) Any amounts which represent support payments collected from an individual responsible for providing support under the State plan shall reduce, dollar for dollar, the amount of his obligation under this section.

§ 302.51 Distribution of child support collections.

The State plan shall provide as follows:

(a) For the purposes of distribution under this section, amounts collected shall be treated first as payment on the required support obligation for the month in which the support was collected and if any amounts are collected which are in excess of such amount, these excess amounts shall be treated as amounts which represent payment on the required support obligation for previous months. (The IV-D agency may if it so desires round off the converted amount to whole dollar amounts for the purposes of distribution under this section and § 302.52). The date of collection shall be the date on which the payment is received by the IV-D agency or the legal entity of the State or political subdivision actually making the collection on behalf of the IV-D agency. For purposes of interstate collections, the date of collection shall be the date on which the payment is received by the IV-D agency of

the State in which the family is receiving aid.

(b) The amounts collected as support by the IV-D agency pursuant to the State plan for children who are current recipients of aid under the State's title IV-A plan and for whom an assignment under § 232.11 of this title is effective shall be distributed as follows:

(1) Of any amount that is collected in a month which represents payment on the required support obligation for that month, 40 percent of the first \$50 of such amount shall be paid to the family. This payment may not be used in determining the amount paid, if any, to the family in paragraph (b) (3) of this section. If the amount collected includes payment on the required support obligation for a previous month or months, the family shall only receive 40 percent of the first \$50 of the amount which represents the required support obligation for the month in which the support was collected. If amounts are collected for one family which represents support payments from two or more absent parents, only 40 percent of the first \$50 of the amount collected which represents the total required support obligation for the month in which the support was collected shall be paid to the family under this paragraph. No payment shall be made to a family under this paragraph for a month in which there is no child support collection. The requirements of this paragraph shall not be applicable after September 30, 1976.

(2) Any amount that is collected in a month which represents payment on the required support obligation for that month (and, prior to October 1, 1976, is in excess of the amount paid to the family under paragraph (b) (1) of this section) shall be retained by the State to reimburse, in whole or in part, the assistance payment for the month in which the child support was collected or the next month. Of the amount retained by the State as reimbursement for that month's assistance payment, the IV-D agency shall determine the Federal Government's share of the amount so retained so the IV-A agency may reimburse the Federal Government to the extent of its participation in the financing of the assistance payment. From the Federal government's share, the IV-D agency shall deduct and pay the incentive payments, if any, prescribed in § 302.52.

(3) If the amount collected is in excess of the amount required to be distributed under paragraphs (b) (1) and (2) of this section, the family shall be paid such excess up to the difference between the assistance payment for the month in which the amount of the collection was used to redetermine eligibility for an assistance payment under the State's title IV-A plan (see § 302.32) and the court ordered amount for that month. This payment shall be made in the month following the month in which the amount of the collection was used to redetermine eligibility for an assistance payment under the State's title IV-A plan. If such court ordered amount is less

than such assistance payment, no amount shall be paid to the family under this paragraph. In cases in which there is no court order, the family shall not be paid any amount under this paragraph.

(4) If the amount collected is in excess of the amounts required to be distributed under paragraphs (b) (1)-(3) of this section, any such excess shall be retained by the State as reimbursement for past assistance payments made to the family for which the State has not been reimbursed. The State may apply the amount retained to any sequence of months for which it has not yet been reimbursed. Of the amount retained by the State as reimbursement of past assistance payments, the IV-D agency shall determine the Federal Government's share of the amounts so retained so the IV-A agency may reimburse the Federal Government to the extent of its participation in the financing of the assistance payments. From the Federal government's share, the IV-D agency shall deduct and pay the incentive payment, if any, prescribed in § 302.52. If past assistance payments are greater than the total support obligation owed, the maximum amount the State may retain as reimbursement for such assistance payments is the amount of such obligation, unless amounts are collected which represent the required support obligation for periods prior to the first month in which the family received assistance under the State's title IV-A plan, in which case such amounts may be retained by the State to reimburse the difference between such support obligation and such assistance payments.

(5) If the amount collected is in excess of the amounts required to be distributed under paragraphs (b) (1)-(4) of this section, such excess shall be paid to the family. This payment shall be made in the month following the month in which the amount of the collection was used to redetermine eligibility for an assistance payment under the State's title IV-A plan.

(c) If an amount collected as child support represents payment on the required support obligation for future months, the amount shall be applied to such future months. However, no such amounts shall be applied to future months unless amounts have been collected which fully satisfy the support obligation assigned under section 402(a) (26) of the Act for the current month and all past months.

(d) Any amount paid under paragraph (b) (1), (3) or (5) of this section shall be identified as not being an assistance payment.

(e) Whenever a family for whom child support payments have been collected and distributed under the title IV-D State plan ceases to receive assistance under the title IV-A State plan, the IV-D agency may:

(1) Continue to collect current support payments from the absent parent for a period of not to exceed three months from the month following the month in

which such family ceased to receive assistance under the title IV-A State plan, and pay all amounts so collected to the family; and,

(2) At the end of such three month period, if the IV-D agency is authorized to do so by the individual on whose behalf the collection will be made, continue to collect such support payments from the absent parent and pay the net amount of any amount so collected to the family after deducting any costs incurred in making the collection from the amount of any recovery made.

(f) When a family ceases receiving assistance under the State's title IV-A plan, the assignment of support rights under § 232.11 of this title terminates, except with respect to the amount of any unpaid support obligation that has accrued under such assignment. From this accrued amount, the IV-D agency shall attempt to collect such unpaid obligation. Under this requirement:

(1) Such collections shall be used to reimburse any amounts of past assistance which have not been reimbursed under paragraph (b) (4) of this section;

(2) Of the amount collected, the IV-D agency shall determine the Federal Government's share of the collection so the IV-A agency may reimburse the Federal Government to the extent of its participation in the financing of the assistance payments. From the Federal Government's share the IV-D agency shall deduct and pay the incentive payment, if any, prescribed in § 302.52;

(3) Only amounts collected pursuant to this paragraph which exceed the amount of unreimbursed past assistance shall be paid to the family;

(4) For those cases in which collections are authorized under paragraph (e) of this section, priority shall be given to collection of current support.

§ 302.52 Incentive payments to political subdivisions and other States.

The State plan shall provide as follows:

(a) When, pursuant to the State plan, a political subdivision of the State (or a legal entity of the political subdivision, such as a Prosecuting or District Attorney or a Friend of the Court) makes, for the State of which it is a political subdivision, or one State makes, for another State, the enforcement and collection of the support rights assigned under § 232.11 of this title (either within or outside of the State making the enforcement or collection), the IV-D agency making the distribution pursuant to § 302.51 of this Chapter of the amounts collected shall pay to the political subdivision or State making the enforcement and collection from the amounts which would otherwise represent the Federal share of the assistance payments to the family of the absent parent:

(1) An amount equal to 25 percent of any amount collected (and required to be retained by the State to reduce or repay assistance payments in accordance with § 302.51(b) (2) or (4)) which represents payment on the required support obligation owed for 12 months; and

(2) An amount equal to 10 percent of any amount collected (and required to be retained by the State to reduce or repay assistance payments in accordance with § 302.51(b) (2) or (4)) which is attributable to the support obligation owed for any month after the first 12 months for which collections are made.

(b) The 25 percent incentive described in paragraph (a) (1) of this section shall be paid for any month in which amounts are collected (pursuant to an assignment under § 232.11 of this title) which represent payments on the required monthly support obligation owed for 12 months and shall continue to be paid for such amounts until the amounts that are collected equal the amount owed on the required support obligation for 12 months, even if the months during which such collections are made are not consecutive. In the case of a family who ceases receiving aid under the State's title IV-A plan, if such family begins receiving such aid again at a later date, a new 12 month period for payment of the 25 percent incentive shall commence.

(c) The jurisdiction making the collection shall transmit, no later than 10 days after the end of the month in which the collection was made, the entire amount of the collection to the appropriate IV-D agency. Such IV-D agency shall calculate and pay the incentive, if any, described in paragraph (a) of this section, within 60 days after the end of the month in which the collection was made by the collecting jurisdiction.

(d) In forwarding the child support collection to the appropriated IV-D agency, the collecting jurisdiction shall include, as appropriate, either a two digit code identifying the collecting State or a five digit code identifying the collecting county. Such codes shall be those defined in the Federal Information Processing Standards Publication (FIPS) by the National Bureau of Standards and also promulgated by the General Services Administration in *Worldwide Geographical Location Codes* and shall be used by the IV-D agency to track the collection and pay the incentive.

(e) Where more than one jurisdiction within the State is involved in the enforcement or collection, or more than one State is involved in the enforcement or collection, the amount of the incentive payment determined in paragraph (a) of this section shall be allocated among such jurisdictions in a manner prescribed by instructions issued by the Office.

§ 302.53 Formula for determining the amount of the obligation.

The State plan shall provide as follows:

(a) There shall be a formula to be utilized by the IV-D agency in determining the amount of the support obligation pursuant to § 302.50 when there is no court order covering the obligation. Such formula must take into consideration the following criteria:

(1) All earnings, income and resources of the absent parent including real and personal property;

(2) The earnings potential of the absent parent;

(3) The reasonable necessities of the absent parent;

(4) The ability of the absent parent to borrow;

(5) The needs of the child for whom the support is sought;

(6) The amount of assistance which would be paid to the child under the full standard of need of the State's IV-A plan;

(7) The existence of other dependents; and

(8) Other reasonable criteria which the State may choose to incorporate.

(b) The formula described in paragraph (a) of this section must be designed to insure, as a minimum, that the child for whom support is sought benefits from the income and resources of the absent parent on an equitable basis in comparison with any other minor children of the absent parent.

(c) The formula described in paragraph (a) of this section shall be utilized to determine the required monthly support obligation, the amount of support obligation arrearage, if any, and the amount to be paid periodically against such arrearage.

§ 302.70 Requests for information from the Federal Parent Locator Service (PLS).

The State plan shall provide as follows:

(a) All requests for information from the Federal PLS will originate from the central office of the State PLS.

(b) Diligent and reasonable efforts to exhaust all appropriate State and local locate sources will be made prior to requesting information from the Federal PLS.

(c) All requests will be on such forms and in such format as may be prescribed by the Office.

(d) Each request to the Federal PLS must contain the following information:

(1) The absent parent's name;

(2) The absent parent's social security account number (SSN). If the SSN is unknown, the IV-D agency must make every reasonable effort to ascertain the individual's SSN before submitting the request to the Federal PLS;

(3) Whether the individual is or has been a member of the armed services, if known;

(4) Whether the individual is receiving, or has received, any Federal compensation or benefits, if known; and,

(5) Any other information prescribed by the Office.

(e) All requests to the Federal PLS will be accompanied by a statement, signed by the head of the IV-D agency or his designee, attesting to the following:

(1) That request is being made to locate an individual for the purpose of establishing paternity or securing child support, and for no other purpose.

(2) That any information obtained through the Federal PLS shall be treated as confidential and shall be safeguarded pursuant to the requirements of § 205.50 of this title.

(3) That the IV-D agency will take protective measures to safeguard per-

sonal information transmitted and received through use of the Federal PLS.

(f) The State PLS shall collect such fee as the Office may from time to time establish for each request to the Federal PLS pursuant to § 302.35(c)(3). This fee will be collected by the Office from the IV-D agency by an offset of the quarterly awards.

§ 302.71 Requests for collection by the Secretary of the Treasury

(a) The State plan shall provide that the IV-D agency may request the Secretary to certify the amount of any child support obligation assigned to the IV-D agency to the Secretary of the Treasury or his delegate for collection pursuant to the provisions of section 6305 of the Internal Revenue Code of 1954. Such requests shall be submitted to the Regional Office, using such forms as may be prescribed by the Office of Child Support Enforcement, signed by the head of the IV-D agency or his designee, attesting to the following:

(1) The amount of the delinquency under a court order for support, which shall not be less than the amount owed for three months and in no case less than \$75, and whether such amount is in lieu of, or in addition to, any previous amounts which have been certified.

(2) There has not been a request for certification to the Secretary of the Treasury or his delegate in the case during the previous 6 months. If there has been a request for certification in the case prior to such 6 month period, the date of such request must be specified.

(3) The IV-D agency agrees to reimburse the United States for costs involved in making the collection.

(4) The IV-D agency has made diligent and reasonable efforts to collect such amounts utilizing its own collection mechanisms as set forth in the State plan. Under this requirement, the following must be provided:

(i) A certified copy of the court order for support;

(ii) A description of action taken under any collection mechanisms described in the State plan, including certified copies of court orders if applicable;

(iii) An explanation as to why the State collection mechanisms were not utilized, or why such mechanisms failed to collect the amount of the delinquency and why further State action would be unproductive.

(5) The reasonable belief that the delinquent support obligee possesses assets which could be levied upon by the Secretary of the Treasury or his delegate to collect the delinquency, the nature of such assets and their location, if known.

(6) Sufficient information to enable the Secretary of the Treasury or his delegate to identify and locate the delinquent support obligee including:

(i) The individual's name and social security number, if known; and,

(ii) The individual's last known address and place of employment.

(b) The Regional Office will review each request for certification to deter-

mine if the request meets the requirements of paragraph (a) of this section.

(1) If the request meets such requirements it will promptly be certified and transmitted together with a copy of the documents submitted by the State under paragraph (a) of this section, to the Secretary of the Treasury or his delegate. The IV-D agency will then be notified of such action.

(2) If the request does not meet such requirements, it will be returned to the IV-D agency with an explanation of the refusal to certify.

(c) The State plan shall provide that after a case has been certified under this section, and prior to a distribution of the delinquent amount to the State by the Secretary of the Treasury or his delegate, any change in the status of the case that would affect the amount of the delinquency, or a change in the location or nature of the assets or address of the delinquent support obligee, shall be reported by the IV-D agency to the Regional Office. (Such information will be transmitted to the Secretary of the Treasury or his delegate by the Regional Child Support Office.)

§ 302.72 Applications to use the courts of the United States to enforce court orders.

(a) The State plan shall provide that the IV-D agency may apply to the Secretary for permission to utilize a United States district court to enforce a child support order of a court of competent jurisdiction against an absent parent who is present in another State when the IV-D agency can furnish evidence to demonstrate that:

(1) The State in which the absent parent is present has not undertaken to enforce such order against such parent within 60 days of the receipt of a request by the originating State under uniform reciprocal enforcement of support procedures or other legal processes required by § 303.7(a)(3); and,

(2) Utilization of the United States district court is the only reasonable method of enforcing such order.

(b) The State plan shall provide that such applications will be submitted to the Regional Office, using such forms as may be prescribed, signed by the head of the IV-D agency or his designee, attesting to the following:

(1) The requesting IV-D agency has undertaken to obtain the assistance of such other State to enforce such order;

(2) Such other State has failed to secure compliance with such order;

(3) The requesting IV-D agency has provided notice to the State-level central office of the IV-D agency of the other State 60 days or more after requesting the other State's assistance that it would request the Secretary to certify the case for use of a United States district court if such other State did not respond to the request for assistance within 30 days of the notice, and that an unsatisfactory response would not preclude a request to the Secretary. Copies of the original request, the notice, and any re-

sponse thereto shall be furnished with the application.

(c) The Regional Office will review each application to determine if it meets the requirements of paragraphs (a) and (b) of this section. If a request meets such requirements, the case will promptly be certified for enforcement in the United States district court. If the request fails to meet such requirements, the application shall be denied and returned to the IV-D agency with an explanation of the refusal to certify.

(Sec. 1102, 49 Stat. 647 (42 U.S.C. 1302))

PART 303—STANDARDS FOR AN EFFECTIVE PROGRAM

Sec.	
303.0	Scope and applicability of this part.
303.1	Definitions.
303.2	Maintenance of case files.
303.3	Location of absent parents.
303.4	Establishment of support obligation.
303.5	Establishment of paternity.
303.6	Enforcement of support obligations.
303.7	Cooperation with other States.
303.20	Minimum organizational and staffing requirements.

AUTHORITY: Sec. 1102, 49 Stat. 647 (42 U.S.C. 1302).

§ 303.0 Scope and applicability of this part.

This part prescribes:

(a) The minimum organizational and staffing requirements the State IV-D agency must meet in carrying out the IV-D program, effective July 1, 1975; and,

(b) The standards which the IV-D agency must meet to be determined by the Office to have an effective program. The standards in this part must be met:

(1) By July 1, 1976, for all cases in which action has been taken prior to July 1, 1975 on behalf of individuals receiving assistance under the State IV-A plan or other individuals to either determine paternity or establish and enforce a support obligation by the State agency designated under Title IV-A of the Act or some other public agency such as a district attorney, State's attorney or other entity providing such services.

(2) Within 90 days for all cases referred to the IV-D agency pursuant to § 235.70 of this title or applying under § 302.33 of this Chapter between July 1 and September 30, 1975;

(3) Within 60 days for all such cases referred or applying between October 1 and December 31, 1975;

(4) Within 30 days for all such cases referred or applying between January 1 and March 31, 1976;

(5) Within 15 days for all cases referred or applying between April 1 and June 30, 1976;

(6) Within 10 days for all such cases referred or applying between July 1 and September 30, 1976;

(7) Immediately for all such cases referred or applying after September 30, 1976.

§ 303.1 Definitions.

The definitions found in section 301.1 of this Chapter also are applicable to this part.

§ 303.2 Maintenance of case records.

For all cases referred to the IV-D agency pursuant to § 235.70 of this title or applying under § 302.33 of this Chapter, the IV-D agency must immediately establish a case record which will contain all information collected pertaining to the case. When applicable, such information will include, but not be limited to the following:

(a) The referral document or documents received from the IV-A agency or the application for IV-D services of any other individual;

(b) A record of any contacts with an applicant or recipient of assistance under Title IV-A who is required to cooperate pursuant to § 232.11 of this title, the date and reason therefor and the results of such contact;

(c) A record of any contacts with an individual who has applied for services under § 302.33, the date and reason therefor and the results of such contact;

(d) A record of any contacts with the absent parent, the date and reason therefor and the results of such contact;

(e) A record of efforts to utilize local locate resources and the dates and the results of these efforts;

(f) A record of efforts to utilize State locate resources and the dates and the results of these efforts;

(g) A record identifying the court order or, if there is no court order, the calculation of the amount of the obligation utilizing the formula prescribed in the State plan pursuant to § 302.53 of this Chapter.

(h) A record of any actions taken under § 303.3-303.6, and the dates and results thereof;

(i) A record of communications to and from the State or local agency administering the State's title IV-A plan;

(j) A record of communications to and from any other IV-D agencies;

(k) A record of communications to and from the Regional Office and the Federal PLS; and,

(l) A notation in the case record of the closing of the case, the date thereof, and the reason for taking the action.

§ 303.3 Location of absent parents.

For all cases referred to the IV-D agency pursuant to § 235.70 of this title or applying under § 302.33 of this Chapter, the IV-D agency must attempt to locate all absent parents when their location is unknown. Under this standard, the IV-D agency must:

(a) Use appropriate local locate sources such as officials and employees administering public assistance, general assistance, medical assistance, food stamps and social services (whether such individuals are employed by the State or a political subdivision), relatives and friends of the absent parent, current or past employers, the local telephone company, the U.S. Postal Service, financial references, unions, fraternal organizations, and police, parole, and probation records if appropriate;

(b) Establish working relationships with all appropriate local agencies in order to utilize local locate resources effectively;

(c) Use appropriate State agencies and departments, which as a minimum must include those departments which maintain records of public assistance, unemployment insurance, income taxation, driver's licenses, vehicle registration, and criminal records;

(d) Utilize all appropriate State and local locate sources within 60 days of referral of the case pursuant to § 235.70 of this title or application under § 302.33;

(e) Transmit cases to the Federal PLS if a reasonable and diligent State and local locate effort has failed to locate the absent parent;

(f) Refer cases to the IV-D agency of any other State if there is reasonable belief that the absent parent may be present in such State. The IV-D agency of such other State shall follow the procedures prescribed in paragraphs (a)-(d) of this section for such cases.

§ 303.4 Establishment of support obligations.

For all cases referred to the IV-D agency pursuant to § 235.70 of this title or applying under § 302.33 of this Chapter, the IV-D Agency must:

(a) When necessary, establish paternity pursuant to the standards of § 303.5;

(b) Utilize appropriate State statutes and legal processes in establishing the support obligation pursuant to § 302.50 of this chapter.

(c) Review the support obligation periodically and whenever the IV-D agency becomes aware of changes in the factors which determine the amount of the support obligation.

§ 303.5 Establishment of paternity.

(a) For all cases referred to the IV-D agency pursuant to § 235.70 of this title or applying under § 302.33 of this chapter in which paternity has not yet been established, the IV-D agency must:

(1) Attempt to establish paternity by court order or other legal process established under State law; or

(2) Establish paternity by acknowledgment if under the State law such acknowledgment has the same legal effect as court-ordered paternity, including the right to benefits other than child support.

(b) The IV-D agency need not attempt to establish paternity in any case involving incest or forcible rape, or in any case in which legal proceedings for adoption are pending, if, in the opinion of the IV-D agency, it would not be in the best interests of the child to establish paternity.

(c) The IV-D agency shall identify laboratories within the State which perform legally and medically acceptable tests, including blood tests, which tend to identify the father or exclude the alleged father from paternity. A list of such laboratories shall be available to appropriate courts and law enforcement officials, and to the public upon request.

§ 303.6 Enforcement of support obligations.

For all cases under the State plan in which the obligation to support and the amount of the obligation have been established, the IV-D agency must maintain an effective system for identifying, within 30 days, those cases in which there is a failure to comply with the support obligation and to contact such delinquent individuals as soon as possible in order to enforce the obligation and obtain the current support obligation and any arrearages. Such attempts to collect support must include the institution of the following procedures as applicable and necessary:

(a) Contempt proceedings to enforce an extant court order;

(b) Garnishment or similar proceedings if the State's statutes and constitution permit such a procedure and the individual can be brought under the jurisdiction of the courts of the State;

(c) Proceedings to attach real or personal property if the State's law provides for such a procedure and the individual is subject to such procedure;

(d) Any other collection or enforcement procedure described in the State plan pursuant to § 302.17 of this chapter;

(e) Applications to utilize the courts of the United States pursuant to § 302.72 of this chapter, and proceedings to enforce an order in the courts of the United States if such application is certified; and,

(f) Applications for collection of the delinquent child support obligation by the Secretary of the Treasury pursuant to § 302.71 of this chapter.

§ 303.7 Cooperation with other States.

(a) For all cases referred to the IV-D agency under the State plan of another State, the IV-D agency must assist the other State in locating an absent parent, establishing paternity, or securing support for a child in the other State. Under this standard, the IV-D agency must:

(1) When necessary, locate the putative father or absent parent utilizing the standards prescribed in § 303.3;

(2) When necessary, establish paternity or assist the other State in establishing paternity;

(3) Process and enforce all court orders referred by another State, whether pursuant to the Uniform Reciprocal Enforcement of Support Act or other legal processes. The IV-D agency shall utilize the same remedies normally applied to its own cases.

(4) Collect any support payments from the absent parent and forward them to the State to whom they are owed; and,

(5) Inform the State which initiated the action of the status of the case periodically and on request.

(b) For all cases referred for securing support by the IV-D agency under the State plan to the IV-D agency of another State, the IV-D agency must provide the IV-D agency of the other State sufficient information to act on the case, including but not limited to the following:

(1) Whether the case involves a recipient of aid under the State's title IV-A plan;

(2) The amount of the current assistance payment, if any;

(3) Notice of any termination of eligibility for assistance; and

(4) Any other information prescribed by instructions of the Office.

(c) For all cases referred by the IV-D agency under the State plan to the IV-D agency of another State which require location activities, the IV-D agency shall provide sufficient information to assist the IV-D agency of the other State, such as the absent parent's social security account number and other identifying information to the extent it is available.

§ 303.20 Minimum organizational and staffing requirements.

(a) The organizational structure of the IV-D agency (See § 302.12) provides for administration or supervision of all the functions for which it is responsible under the State plan, is appropriate to the size and scope of the program in the State, and contains clearly established lines for administrative and supervisory authority.

(b) There is an organizational structure and sufficient staff to fulfill the following required State level functions:

(1) The establishment and administration of the State plan.

(2) Formal evaluation of the quality, efficiency, effectiveness, and scope of services provided under the plan.

(3) Coordination of activities pursuant to, and assurance of compliance with, the requirements of the State's Reciprocal Enforcement of Support Act for cases pursuant to a State plan.

(4) Requests to the DHEW Office of Child Support Enforcement for use of the Federal Parent Locator Service, the U.S. District Courts, and IRS collection procedures.

(5) Preparation and submission of reports required by the Office.

(6) Financial control of the operation of the plan.

(7) Operation of the State Parent Locator Service as required under § 302.35 of this chapter.

(c) There is an organizational structure and sufficient staff, at the State or local level, to provide for the administration or supervision of the following child support enforcement functions:

(1) *Intake*, activities associated with initial child support case opening.

(2) *Establishing the legal obligation to support*, activities related to determining the absent parent's legal obligation to support his or her dependent children, including paternity determination when necessary.

(3) *Locate*, activities associated with locating an absent parent.

(4) *Financial assessment*, activities related to determining an absent parent's ability to provide support.

(5) *Establishment of the amount of support*, activities related to determining an absent parent's support obligation, including methods and terms of payment.

(6) *Collection*, activities related to monitoring payment activities and processing cash flow.

(7) *Enforcement*, activities to enforce collection of support, including but not limited to and executing contempt proceedings, wage assignments, obtaining garnishment orders, attaching real and personal property, criminal prosecution and executing judgments.

(8) *Investigation*, activities related to investigation necessary to accomplish the functions of this paragraph.

(d) The functions referred to in paragraph (b) (1), (2) and (6) of this section may not be delegated by the IV-D agency. The functions referred to in paragraph (b) (5) of this section may be delegated to the extent necessary to report on activities delegated by the IV-D agency.

(e) No functions under the State plan may be delegated by the IV-D agency if such functions are to be performed by caseworkers who are also performing the assistance payments or social services functions under title IV-A or XX of the Act.

In the case of a sparsely populated geographic area, upon justification by the IV-D agency documenting a lack of administrative feasibility in not utilizing staff of the IV-A agency, the Office may approve alternate arrangements that include sufficient reporting and cost allocation methods that will assure compliance with Federal requirements and proper claims for Federal financial participation. Under this provision:

(1) "Caseworker" means any person who has decision-making authority over individual cases on a day-to-day basis and includes, but is not limited to such designations as intake worker, eligibility technician, caseworker, and social worker.

(2) The "assistance payments function" means activities related to determination of eligibility for, and amount of financial assistance under the approved State plan under title I, IV-A, X, XIV, or XVI, State Supplemental income payments under title XVI of the Act, and State or local General Assistance programs. It includes the complete process of determining initial and continuing eligibility for financial and medical assistance and commodities distribution or food stamps.

(3) The "social services function" means those activities included in the approved State plan and carried out pursuant to Parts 220, 222 and 226 of this title or carried out pursuant to title XX of the Act. It includes determination of eligibility for, and delivery of services to, families and individuals under the approved State plan or under title XX of the Act.

(f) There are the following types of staff in sufficient numbers to achieve the standards for an effective program prescribed in this Part:

(1) Attorneys or prosecutors to represent the agency in court or administrative proceedings with respect to the establishment and enforcement of orders of paternity and support, and

(2) Other personnel such as legal, interviewer, investigative, accounting, clerical, and other supportive staff.

PART 304—FEDERAL FINANCIAL PARTICIPATION

Sec.	
304.10	General administrative requirements.
304.11	Effect of State rules.
304.20	Availability and rate of Federal financial participation.
304.21	Federal financial participation in costs of cooperative agreements with courts and law enforcement officials.
304.22	Federal financial participation in purchased child support enforcement services.
304.23	Expenditures for which Federal financial participation is not available.
304.24	Federal financial participation in non-expendable personal property.
304.25	Deadline for submission of claims for Federal financial participation.
304.26	Treatment of collections.
304.30	Public sources of State's share.

AUTHORITY: Sec. 1102, 49 Stat. 647 (42 U.S.C. 1302).

§ 304.10 General administrative requirements.

As a condition for Federal financial participation, the provisions of Part 74 of this title (with the exception of Subpart G, Matching and Cost Sharing and Subpart I, Financial Reporting Requirements) establishing uniform administrative requirements and cost principles shall apply to all grants made to States under this part.

§ 304.11 Effect of State rules.

Subject to the provisions and limitations of Title IV-D of the Act and Chapter III, Federal financial participation will be available in expenditures made under the State plan (including the administration thereof) in accordance with applicable State laws, rules, regulations, and standards governing expenditures by State and local child support enforcement agencies.

§ 304.20 Availability and rate of Federal financial participation.

(a) Federal financial participation at the 75 percent rate is available for:

(1) Necessary expenditures under the State title IV-D plan for the child support enforcement services and activities specified in this section and § 304.21 provided to individuals from whom an assignment of support rights has been obtained pursuant to § 232.11 of this title;

(2) Collection services pursuant to § 302.51(e) (1) of this chapter; and

(3) Parent locator services for individuals eligible pursuant to § 302.33 of this title;

(4) During any period prior to July 1, 1976, paternity and child support services under the State plan for individuals

eligible pursuant to § 302.33 of this chapter.

(b) Services and activities for which Federal financial participation will be available shall be those made pursuant to the approved title IV-D State plan which are determined by the Secretary to be necessary expenditures properly attributable to the child support enforcement program including the following:

(1) The administration of the State Child Support Enforcement Program, including, but not limited to the following:

(i) The establishment and administration of the State plan;

(ii) Monitoring the progress of program development and operations and evaluating the quality, efficiency, effectiveness and scope of child support enforcement services available in each political subdivision;

(iii) The establishment of all necessary agreements with other State and local agencies or private providers for the provision of services in support of child support enforcement in accordance with Subpart P, Procurement Standards, 45 CFR Part 74. These agreements may include:

(A) Necessary administrative agreements for support services;

(B) Utilization of State and local information resources;

(C) Cooperation with courts and law enforcement officials pursuant to § 302.34 of this chapter;

(iv) Securing compliance with the requirements of the State plan in operations under any agreements;

(v) The development and maintenance of systems for fiscal and program records and reports required to be made to the Office based on these records;

(vi) The development of a cost allocation system pursuant to § 302.16 of this chapter;

(vii) The financial control of the State plan including the administration of Federal grants pursuant to § 301.15 of this chapter;

(viii) The establishment of agreements with agencies administering the State's Title IV-A plan in order to establish criteria for:

(A) Referral of cases to the IV-D agency;

(B) Reporting on a timely basis information necessary to the determination and redetermination of eligibility and amount of assistance payments;

(C) Determining if individuals receiving assistance under the IV-A plan are cooperating adequately as required in § 232.12 of this title;

(D) The procedures to be used to transfer collections from the IV-D agency to the IV-A agency before or after the distribution described in § 302.51 of this chapter.

(2) The establishment of paternity including:

(i) Reasonable attempts to determine the identity of the child's father such as:

(A) Investigation

(B) The development of evidence including the use of the polygraph and blood tests;

(C) Pre-trial discovery;

(ii) Court or other actions to establish paternity pursuant to procedures established under State statutes or regulations having the effect of law;

(iii) Identifying competent laboratories that perform blood tests as described in § 303.5(b) of this part and making a list of those laboratories available;

(iv) Referral of cases to the IV-D agency of another State to establish paternity when appropriate;

(v) Cooperation with other States in determining paternity;

(3) The establishment and enforcement of support obligations including:

(i) Investigation, the development of evidence and when appropriate, bringing court actions;

(ii) Determination of the amount of the support obligation including developing the information needed for a financial assessment;

(iii) Referral of cases to the IV-D agency of another State to establish a support obligation when appropriate;

(iv) Enforcement of the support obligation including those activities associated with collections and the enforcement of court orders, such as contempt citations, issuance of warrants, investigation, wage attachment and processing, and the obtaining and enforcing of court-ordered support through civil or criminal proceedings either in the State that granted the order or in another State;

(v) Investigation and prosecution of fraud related to child support.

(4) The collection and distribution of support payments including:

(i) An effective system for making collections of established support obligations and identifying delinquent cases and attempting to collect support from these cases;

(ii) Collection of child support pursuant to § 302.51(e) (1) of this chapter;

(iii) Referral of cases to the IV-D agency of another State for collection when appropriate;

(iv) Making collections for another State;

(v) The distribution of funds as required by this chapter;

(vi) Making the IV-A agency aware of the amounts collected and distributed to the family for the purposes of determining eligibility for, and amount of, assistance under the State title IV-A plan;

(5) The establishment and operation of the State parent locator service including:

(i) Utilization of appropriate State and local locate sources to locate absent parents;

(ii) Utilization of the Federal Parent Locator Service;

(iii) Collection of the fee pursuant to §§ 302.35(e) and 302.70(f) of this chapter;

(iv) Referral of requests for location of an absent parent to the IV-D agency of another State;

(v) Cooperation with another State in locating an absent parent;

(6) Activities related to requests for certification of collection of child support

delinquencies by the Secretary of the Treasury pursuant to § 302.71 of this chapter.

(7) Activities related to requests for utilization of the United States district courts pursuant to § 302.72 of this chapter.

(8) Establishing and maintaining case records as required by § 302.2 of this chapter.

§ 304.21 Federal financial participation in the costs of cooperative agreements with courts and law enforcement officials.

(a) Federal financial participation at the 75 percent rate is available in the costs of cooperative agreements with appropriate courts and law enforcement officials pursuant to § 302.34 of this chapter. "Law-enforcement officials" means district attorneys, attorneys general, and similar public attorneys and prosecutors and their staff. Federal financial participation is available for costs incurred consistent with the agreement as of the first day of a calendar quarter if the agreement is executed prior to the end of the quarter. When performed pursuant to written agreement, cost of the following activities are subject to reimbursement:

(1) Subject to the conditions of § 304.20(a) of this chapter, the activities, including administration of such activities, specified in § 304.20(b) (2)-(8) of this chapter;

(2) Reasonable and essential short term training of law enforcement staff assigned on a full or part time basis to child support enforcement functions pursuant to the cooperative agreement.

(b) Federal financial participation is not available for the ordinary administrative costs of the judiciary system. Under this provision:

(1) Service of process and court filing fees are reimbursable only if the law enforcement agency would normally be required to pay the cost of such fees;

(2) Compensation of individuals (other than judges) employed by a court is reimbursable at the 75 percent rate if such individual performs any of the activities described in paragraph (b) (2)-(8) of § 304.20 of this chapter;

(3) No other court or judicial costs are subject to Federal financial participation.

§ 304.22 Federal financial participation in purchased child support enforcement services.

Federal financial participation is available at the 75 percent rate for the purchase of child support enforcement services as provided for in the State plan to the extent that payment for such purchased services is in accordance with rates of payment established by the State which do not exceed the amounts reasonable and necessary to assure quality of such service and in the case of such services purchased from other public agencies, the cost reasonably assignable to such services. The determination that the amounts are reasonable and necessary and that the costs are reasonably

assignable must be fully documented in the IV-D agency records. Child support enforcement services which may be purchased with Federal financial participation are those for which Federal financial participation is otherwise available under § 304.20 and which are included under the approved State plan.

§ 304.23 Expenditures for which Federal financial participation is not available.

Federal financial participation is not available under this part for:

(a) Activities related to administering title I, IV-A, X, XIV, XVI, XIX or XX of the Act.

(b) Purchased child support enforcement services which are not secured in accordance with § 304.22.

(c) Construction and major renovations.

(d) Education and training programs and educational services except direct cost of short term training provided to IV-D agency staff or pursuant to § 304.21.

(e) Any expenditures which have been reimbursed by fees collected as required by this chapter.

(f) Any costs of caseworkers as described in § 303.20(e) of this Part.

§ 304.24 Federal financial participation in non-expendable personal property.

(a) *Conditions for Federal financial participation.* Federal financial participation is available at the 75 percent rate in amounts expended by the IV-D agency for a unit of non-expendable personal property which has a useful life of more than one year only to the extent of the depreciation expense (or annual use allowance of 6½ percent of acquisition cost) applicable to the period for which the property was used under a Federal program or activity; except that:

(1) Amounts expended for non-expendable personal property costing less than \$5,000 may be subject to Federal financial participation for the full cost at the 75 percent rate at the time of acquisition at the option of the IV-D agency, except as provided in paragraphs (a) (2) and (3) of this section.

(2) Non-expendable personal property acquired under cost reimbursement contracts with the IV-D agency or for use under contracts with other agencies or providers shall be capitalized and depreciated (or subject to a use allowance) when it has an acquisition cost of \$300 or more.

(3) Non-expendable personal property acquired and assigned for use to organizational elements of the IV-D agency, or of the department in which the IV-D agency is located, which are treated as indirect costs centers or pools in a Departmental Indirect Cost Rate or in a department wide cost allocation plan, shall be capitalized and depreciated (or subject to a use allowance) when it has an acquisition cost of \$300 or more.

(b) *Definitions.* (1) Acquisition cost is the amount expended by a IV-D agency for the property (excluding interest) plus, in the case of property acquired

with a trade-in, the book value (acquisition cost less amount depreciated through the date of trade in) of the property traded in. Property which was expensed when acquired which is traded in has a book value of zero.

(2) Depreciation expense for any time period is the portion of the acquisition cost of property which is assignable to that time period. The acquisition cost of the property shall be divided by the number of years of estimated useful service life of the property to arrive at the depreciation expense per year. This method shall be used unless a State obtains approval from the Regional Child Support Office to use another method, which must be demonstrated to be more consistent with the using up of the asset.

(3) The number of years of estimated useful service life of property shall be based on the Department of Treasury, Internal Revenue Service policies on depreciation for tax purposes. However, the Regional Child Support Office will approve a shorter period, if the IV-D agency can document that such period is justified.

(c) *Other administrative requirements—(1) Distribution of costs.* Amounts expended by the IV-D agency for non-expendable personal property may be directly charged to the Child Support Enforcement Program, if the property is being exclusively used for the program or activity at the time of the expenditures for the property. Amounts expended for such property not exclusively used for the Child Support Enforcement Program shall be allocated to such program and to other programs or activities by using one of the following methods:

(i) Using cost centers or pools and allocation bases which will distribute the costs consistent with program or activity usage of the property at the time of the expenditures. Any credits for property sold or retained for agency use in non-Federal programs (see § 74.134 of this title) shall be distributed to programs or activities consistent with the distribution methods used for such property expenditures at the time of acquisition; or

(ii) Using a common distribution factor for all property or for classifications of property (e.g., desks distributed based on number of staff employed in each program or activity). Credits for property sold or retained for use in non-Federal programs shall be distributed to programs or activities using the same distribution factors which are applied to expenditures for property acquired in the quarter in which such credits occurred.

(2) *Accountability and management of non-expendable property.* The provision in § 304.24(a) (1) does not affect the requirements on the IV-D agency to account for and manage non-expendable personal property as defined in § 74.132 of this title, in accordance with the provisions in § 74.134 through 136 of this title.

(3) *Disposition of Certain Property.* The IV-D agency shall not request disposition instructions for property with an acquisition cost of over \$1,000 per unit as

specified in § 74.134(c)(2) of this title, but rather shall sell the property and account for it as specified in § 74.134(c)(1) of this title.

§ 304.25 Deadline for submission of claims for Federal financial participation.

(a) *Treatment of expenditures.* Expenditures are considered to be made on the date on which the cash disbursements occur or the date to which allocated in accordance with Part 74 of this title. In the case of local administration, the date of disbursements by the local agency governs. In the case of purchase of services from another public agency, the date of disbursements by such other public agency governs. Different rules may be applied with respect to a State, either generally or for particular classes of expenditures only upon justification by the State to the Office of Child Support Enforcement and approval by the Office.

(b) *Due date for expenditure statements.* The due date for the submission of the quarterly statement of expenditures under § 301.15 of this chapter is 30 days after the end of the quarter.

(c) *Deadline for the submission of claims.* The deadline for the submission of claims for Federal financial participation in expenditures incurred in any Federal fiscal year is the due date of the quarterly statement of expenditures for the second quarter subsequent to the end of the fiscal year.

§ 304.26 Treatment of collections.

(a) In the determination of the amount of reimbursement to the Federal Government of amounts retained by the State to reimburse it for assistance payments under § 302.51(b)(2) and (4) of this chapter, if in the computation of the Federal share of assistance payments the State uses:

(1) The Federal medical assistance percentage under section 1118 of the Act, this percentage shall be used in the computation of the Federal reimbursement of retained child support payments.

(2) The computations in section 403 (a), the Federal reimbursement of amounts retained by the State to reimburse it for an assistance payment shall be to the extent of the Federal participation in the financing of

(i) the individual assistance payment; or

(ii) all of the assistance payments in the same month.

(b) If an incentive payment is made to a jurisdiction under § 302.52 of this chapter for the enforcement and collection of support obligations, such payment shall be made from the amounts computed in paragraph (a) or (b) of this section which would otherwise constitute the Federal share.

§ 304.30 Public sources of State's share.

(a) Public funds, other than those derived from private resources, used by the IV-D agency for its child support enforcement program may be considered as

the State's share in claiming Federal reimbursement where such funds are:

(1) Appropriated directly to the IV-D agency; or

(2) Funds of another public agency which are transferred to the IV-D agency and are under its administrative control.

(b) Public funds used by the IV-D agency for its child support enforcement program may not be considered as the State's share in claiming Federal reimbursement where such funds are:

(1) Federal funds, unless authorized by Federal law to be used to match other Federal funds;

(2) Used to match other Federal funds.

Effective date: The regulations in these parts shall be effective on July 1, 1975.

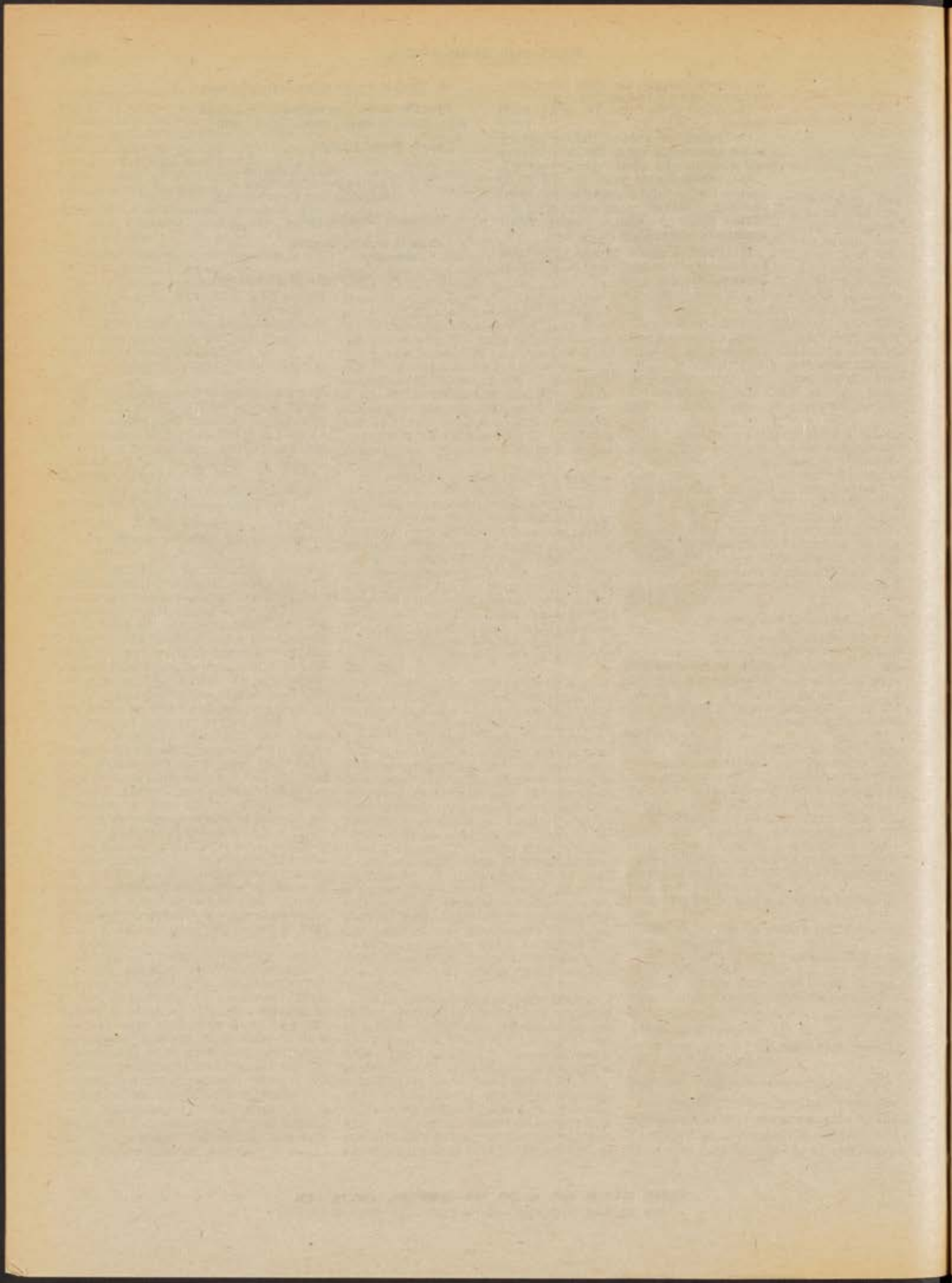
Dated: June 12, 1975.

JOHN A. SVAHN,
*Acting Director, Office of
Child Support Enforcement.*

Approved: June 20, 1975.

CASPAR W. WEINBERGER,
Secretary.

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PART III



DEPARTMENT OF TRANSPORTATION

**Federal Aviation
Administration**



**ADVISORY CIRCULAR
CHECKLIST AND STATUS
OF FEDERAL AVIATION
REGULATIONS**

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

[AC 00-2EE—Effective May 15, 1975]

ADVISORY CIRCULAR CHECKLIST AND STATUS OF FEDERAL AVIATION REGU- LATIONS

1. *Purpose.* This notice contains the revised checklist of current FAA advisory circulars and the status of Federal Aviation Regulations as of May 15, 1975.

2. *Explanation.* The FAA issues advisory circulars to inform the aviation public in a systematic way of nonregulatory material of interest. Unless incorporated into a regulation by reference, the contents of an advisory circular are not binding on the public. Advisory circulars are issued in a numbered-subject system corresponding to the subject areas of the Federal Aviation Regulations (14 CFR Ch. I). This checklist is issued triannually to list all current advisory circulars and also includes a checklist showing the status of the Federal Aviation Regulations.

3. The Circular Numbering System.

a. *General.* The advisory circular numbers relate to the FAR subchapter titles and correspond to the Parts, and when appropriate, to the specific sections of the Federal Aviation Regulations. Circulars of a general nature bear a number corresponding to the number of the general subject (subchapter) in the FAR's. A general subject number is used only when a circular covers more than one Part.

b. *Subject numbers.* The general subject matter areas and related numbers are as follows:

Subject Number and Subject Matter

00	General.
10	Procedural.
20	Aircraft.
60	Airmen.
70	Airspace.
90	Air Traffic Control and General Operations.
120	Air Carrier and Commercial Operators and Helicopters.
140	Schools and Other Certified Agencies.
150	Airports.
170	Air Navigational Facilities.
180	Administrative.
210	Flight Information.

c. *Breakdown of subject numbers.* When the volume of circulars in a general series warrants a subsubject breakdown, the general number is followed by a slash and a subsubject number. Material in the 150 series, Airports, is issued under the following subsubjects:

Number and Subject

150/1900	Defense Readiness Program.
150/4000	Resource Management.
150/5000	Airport Planning.
150/5100	Federal-aid Airport Program.
150/5150	Surplus Airport Property Conveyance Programs.
150/5190	Airport Compliance Program.
150/5200	Airport Safety—General.
150/5210	Airport Safety Operations (Recommended Training, Standards, Manning).
150/5220	Airport Safety Equipment and Facilities.

150/5230	Airport Ground Safety System.
150/5240	Civil Airports Emergency Preparedness.
150/5300	Design, Construction, and Maintenance—General.
150/5320	Airport Design.
150/5325	Influence of Aircraft Performance on Aircraft Design.
150/5335	Runway, Taxiway, and Apron Characteristics.
150/5340	Airport Visual Aids.
150/5345	Airport Lighting Equipment.
150/5360	Airport Buildings.
150/5370	Airport Construction.
150/5380	Airport Maintenance.
150/5390	Helicopters.
150/5900	Planning Grant for Airports.

d. *Individual circular identification numbers.* Each circular has a subject number followed by a dash and a sequential number identifying the individual circular. This sequential number is not used again in the same subject series. Revised circulars have a letter A, B, C, etc., after the sequential number to show complete revisions. Changes to circulars have CH 1, CH 2, CH 3, etc., after the identification number on pages that have been changed. The date on a revised page is changed to the effective date of the change.

4. The Advisory Circular Checklist.

a. *General.* Each circular issued is listed numerically within its subject-number breakdown. The identification number (AC 120-1), the change number of the latest change, if any, to the right of the identification number, the title, and the effective date for each circular are shown. A brief explanation of the contents is given for each listing.

b. *Omitted numbers.* In some series, sequential numbers are missing. These numbers were assigned to advisory circulars still in preparation which will be issued later or were assigned to advisory circulars that have been canceled.

c. *Free and sales circulars.* This checklist contains advisory circulars that are for sale as well as those distributed free of charge by the Federal Aviation Administration. A list of circulars sold by the Superintendent of Documents is shown at the end of the numerical list of AC's. Please use care when ordering circulars to ensure that they are ordered from the proper source.

d. *Internal directives for sale.* A list of certain internal directives sold by the Superintendent of Documents is shown at the end of the checklist. These documents are not identified by advisory circular numbers, but have their own directive numbers.

5. How to get circulars.

a. When a price is listed after the description of a circular, it means that this circular is for sale by the Superintendent of Documents. When (Sub.) is included with the price, the advisory circular is available on a subscription basis only. After your subscription has been entered by the Superintendent of Documents, supplements or changes to the basic document will be provided automatically at no additional charge until the subscription expires. When no price is given, the circular is distributed free of charge by FAA.

b. Request free advisory circulars shown without an indicated price from:

U.S. Department of Transportation, Publications Section TAD 443.1, Washington, D.C. 20590.

c. Persons who want to be placed on FAA's mailing list for future circulars should write to:

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NOTE: Be sure to identify the subject matter numbers and titles shown in paragraph 3b because separate mailing lists are maintained for each advisory circular subject series. Checklists and circulars issued in the General series will be distributed to every addressee on each of the subject series lists. Persons requesting more than one subject classification may receive more than one copy of related circulars and this checklist because they will be included on more than one mailing list. Persons already on the distribution list for AC's will automatically receive related circulars.

d. Order advisory circulars and internal directives with purchase price given from:

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402;

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GPO Bookstore, Federal Office Building, Room 229, 231 W. Lafayette Blvd., Detroit, MI 48226.

GPO Bookstore, Federal Building, Room 144, 601 East 12th Street, Kansas City, MO 64106.

GPO Bookstore, Room 1356, 26 Federal Plaza, New York, NY 10007.

GPO Bookstore, Federal Office Building, 201 Cleveland Avenue SW., Canton, OH 44702.

GPO Bookstore, Federal Office Building, Room 171, 1240 East Ninth Street, Cleveland, OH 44199.

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GPO Bookstore, Federal Building, Room 190, 915 Second Ave., Seattle, WA 98174.

GPO Bookstore, Federal Building, Room 190, 517 E. Wisconsin Avenue, Milwaukee, WI 53202.

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Send check or money order with your order to the Superintendent of Documents. Make the check or money order payable to the Superintendent of Documents in the amounts indicated in the list. Orders for mailing to foreign countries should include an additional 25 percent of the total price to cover handling. No c.o.d. orders are accepted.

6. *Reproduction of Advisory Circulars.* Advisory circulars may be reproduced in their entirety or in part without permission from the Federal Aviation Administration.

7. *Cancellations.* The following advisory circulars are canceled:

- AC 00-2DD Advisory Circular Checklist, 1-15-75. Canceled by AC 00-2EE Advisory Circular Checklist, 5-15-75.
- AC 00-23C Near Midair Collision Reporting, 1-20-72. Canceled by AC 00-23D Near Midair Collision Reporting, 5-19-75.
- AC 00-42 Deferment of Aviation Maintenance Symposium and an Invitation to Attend Attractiveness Review Conference, 5-24-74. Canceled.
- AC 00-44 Status of Federal Aviation Regulations, 11-14-74. Canceled by AC 00-44A Status of the Federal Aviation Regulations, 3-12-75.
- AC 20-5B Plane Sense, 2-19-70. Canceled by AC 20-5C Plane Sense, 10-3-74.
- AC 20-33 Technical Information Regarding Civil Aeronautics Manuals 1, 3, 4a, 4b, 5, 6, 7, 8, 9, 10, 13, and 14, 2-8-65. Canceled by AC 20-33A Technical Information Regarding Civil Aeronautics Manuals 1, 3, 4a, 4b, 5, 6, 7, 9, 13, and 14, 3-7-75.
- AC 20-36C Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System, 8-7-73. Canceled by AC 20-36D Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System, 9-6-74.
- AC 20-56 Marking of TSO-C72a Individual Flotation Devices, 1-19-68. Canceled by AC 20-56A Marking of TSO-C72b Individual Flotation Devices, 4-1-75.
- AC 20-58 Recommended Radiation Safety Precautions for Airborne Weather Radar, 3-11-70. Canceled by AC 20-68A Recommended Radiation Safety Precautions for Airborne Weather Radar, 4-11-75.
- AC 20-90 Address List for Engineering and Manufacturing District Offices, 6-17-74. Canceled by AC 20-90A Address List for Engineering and Manufacturing District Offices, 3-5-75.
- AC 37-3 Radio Technical Commission Aeronautics Document DO-138, 1-10-69. Canceled by AC 37-3A Radio Technical Commission for Aeronautics Document DO-160, 3-20-75.
- AC 60-2L Annual Aviation Mechanic Safety Awards Program, 3-29-74. Canceled by AC 60-2M Annual Aviation Mechanic Safety Awards Program, 2-6-75.

- AC 61-34A Federal Aviation Regulations Written Test Guide for Private, Commercial, and Military Pilots, 6-18-70. Canceled by AC 61-34B Federal Aviation Regulations Written Test Guide for Private, Commercial, and Military Pilots, 2-10-75.
- AC 70/7460-1C Obstruction Marking and Lighting, 12-11-73. Canceled by AC 70/7460-1D Obstruction Marking and Lighting, 4-18-75.
- AC 90-22C Automatic Terminal Information Service (ATIS), 2-2-71. Canceled.
- AC 90-41C Revised Standard Instrument Departure/Arrival Procedures, 4-13-72. Canceled.
- AC 90-45 Approval of Area Navigation Systems for Use in the U.S. National Airspace System, 8-18-69. Canceled by AC 90-45A Approval of Area Navigation Systems for Use in the U.S. National Airspace System, 2-21-75.
- AC 90-50 Air Traffic Control Radio Frequency Assignment Plan for VFR and IFR Communications, 9-29-70. Canceled by AC 90-50A VHF Radio Frequency Assignment Plan for Aeronautical Operations, 2-7-75.
- AC 91.83-1 Canceling or Closing Flight Plans, 3-12-64. Canceled by AC 91.83-1A Canceling or Closing Flight Plans, 3-25-75.
- AC 120-21 Aircraft Maintenance Time Limitations, 6-24-66. Canceled by AC 121-1A Standard Operations Specifications—Aircraft Maintenance Handbook, 6-26-73.
- AC 120-24A Establishment and Revision of Aircraft Engine Overhaul and Inspection Periods, 2-25-69. Canceled by AC 121-1A Standard Operations Specifications—Aircraft Maintenance Handbook, 6-26-73.
- AC 121-7 Use of Seat Belts by Passengers and Flight Attendants to Prevent Injuries, 7-4-66. Canceled.
- AC 135-3 Air Taxi Operators of Small Aircraft, 2-17-70. Canceled by AC 135-3A Air Taxi Operators and Commercial Operators of Small Aircraft, 1-16-75.
- AC 150/5040-1A Announcement of Report—Aviation Demand . . . Hubs Through 1980, 3-27-69. Canceled.
- AC 150/5040-2 Announcement of Report—Aviation Demand . . . Medium Hubs Through 1980, 5-22-69. Canceled.
- AC 150/5040-3 Announcement of Report—A Suggested Action . . . Congestion at Selected Airports 6-19-69. Canceled.
- AC 150/5040-4 Announcement of Supplementary Report—A Suggested Action . . . Congestion at Selected Airports, 3-31-70. Canceled.
- AC 150/5070-1 Rapid Transit Service for Metropolitan Airports, 8-26-75. Canceled.
- AC 150/5070-2 Planning the Metropolitan Airport, 9-17-65. Canceled.
- AC 150/5325-2B Airport Design Standards—Air Carrier Airports—Surface Gradient and Line-of-Sight, 2-18-70. Canceled by AC 150/5325-2C Airport Design Standards—Airports Served by Air Carriers—Surface Gradient and Line-of-Sight, 2-6-75.
- AC 150/5370-1A Standard Specifications for Construction of Airports, 5-28-68. Canceled by AC 150/5370-10, Standards for Specifying Construction of Airports, 10-24-74.
- AC 150/5370-5 Offshore Airports, 12-15-69. Canceled by AC 150/5370-5A Offshore Airports, 2-21-75.

8. *Additions.* The following advisory circulars are added to the list:

- AC 00-2EE Advisory Circular Checklist (5-15-75).

- AC 00-23D Near Midair Collision Reporting, 5-19-75.
- AC 00-44A Status of the Federal Aviation Regulations (3-4-75).
- AC 00-46 Aviation Safety Reporting Program (5-9-75).
- AC 20-5C Plane Sense (10-3-74).
- AC 20-7L General Aviation Inspection Aids, Supplement 6 (Feb. 1975). Supplement 7 (March 1975). Supplement 8 (April 1975).
- AC 20-33A Technical Information Regarding Civil Aeronautics Manuals, 1, 3, 4a, 4b, 5, 6, 7, 9, 13, and 14 (3-7-75).
- AC 20-36D Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System (9-6-74).
- AC 20-56A Marking of TSO-C72b Individual Flotation Devices (4-1-75).
- AC 20-68A Recommended Radiation Safety Precautions for Airborne Weather Radar (4-11-75).
- AC 20-83 Chg. 2 Maintenance Inspection Notes for Boeing B-737 Series Aircraft (1-31-75).
- AC 20-84 Chg. 2 Maintenance Inspection Notes for Boeing B-727 Series Aircraft (1-31-75).
- AC 20-90A Address List for Engineering and Manufacturing District Offices (3-5-75).
- AC 20-91 Lithium Batteries Used in Emergency Locator Transmitters (4-11-75).
- AC 25-6 Ground Proximity Warning Systems (GPWS), (12-31-74).
- AC 37-3A Radio Technical Commission for Aeronautics Document DO-160 (3-20-75).
- AC 43-7 Ultrasonic Testing for Aircraft (9-24-74).
- AC 43-9 Maintenance Records: General Aviation Aircraft (2-19-75).
- AC 60-2M 1975 Annual Aviation Mechanic Safety Awards Program (2-6-75).
- AC 61-34B Federal Aviation Regulations Written Test Guide for Military, Commercial, and Private Pilots (2-10-75).
- AC 61-74 Flight Instructor Rotorcraft—Helicopter, Written Test Guide (5-8-74).
- AC 61-75 Flight Instructor—Glider—Written Test Guide (9-18-74).
- AC 70/7460-1D Obstruction Marking and Lighting (4-18-75).
- AC 90-45A Approval of Area Navigation Systems for Use in the U.S. National Airspace System (2-21-75).
- AC 90-50A VHF Radio Frequency Assignment Plan for Aeronautical Operations (2-7-75).
- AC 90-66 Recommended Standard Traffic Patterns for Airplane Operations at Uncontrolled Airports (2-27-75).
- AC 91.83-1A Canceling or Closing Flight Plans (3-25-75).
- AC 121-1A CHG. 1 Standard Operations Specifications—Aircraft Maintenance Handbook (1-23-75).
- AC 135-3A Air Taxi Operators and Commercial Operators of Small Aircraft (1-16-75).
- AC 135-4 Security Measures and Passenger Screening for Scheduled Air Taxi Commercial Operators (1-22-75).
- AC 139.12-1 Airport Operations Specifications (2-3-75).
- AC 150/5000-3B CHG. 1 Address List for Regional Airports Divisions and Airport District Offices (10-26-73).
- AC 150/5100-11 Land Acquisition & Relocation Assistance Under the Airport Development Aid Program (2-10-75).
- AC 150/5300-6 CHG. 2 Airport Design Standards, General Aviation Airports, Basic and General Transport (4-21-75).
- AC 150/5300-8 CHG. 1 Planning and Design Criteria for Metropolitan STOL Ports (4-3-76).
- AC 150/5320-10 CHG. 1 Environmental Enhancement at Airports—Industrial Waste Treatment (11-18-74).

- AC 150/5325-2C Airport Design Standards—Airports Served by Air Carriers—Surface Gradient and Line-of-Sight (2-6-75).
- AC 150/5325-2C CHG. 1 Airport Design Standards—Airports Served by Air Carriers—Surface Gradient and Line-of-Sight (4-21-75).
- AC 150/5340-14B CHG. 2 Economy Approach Lighting Aids (2-11-75).
- AC 150/5370-5A Offshore Airports (2-21-75).
- AC 150/5370-10 Standards for Specifying Construction of Airports (10-24-74).

ADVISORY CIRCULAR CHECKLIST

Notice

Superintendent of Documents catalogue numbers have been included to aid Superintendent of Documents personnel in processing orders. Please use them when ordering—along with the title and FAA number. To avoid unnecessary delays, do not order single-sales material and subscription-sales material on the same order form, as orders are separated for processing by different departments when they arrive at Superintendent of Documents. Be sure your name and address appears on each list.

NOTICE

Prices shown are those in effect as of May 15, 1975. Prices are subject to change without notice and the prices that will be charged on your order will be those in effect as of the date your order is processed.

General

SUBJECT NO. 00

00-1 The Advisory Circular System (12-4-62).

Describes the FAA Advisory Circular System.

00-2EE Advisory Circular Checklist (5-15-75).

Transmits the revised checklist of current FAA advisory circulars and the status of the Federal Aviation Regulations as of 5-15-75.

00-6 Aviation Weather (5-20-65).

Provides an up-to-date and expanded text for pilots and other flight operations personnel whose interest in meteorology is primarily in its application to flying. Reprinted 1969. (\$4 GPO.) FAA 5.8/2: W 37.

00-7A State and Regional Disaster Airlift (SARDA) Planning (6-3-74).

Provides guidance for the development and implementation of State and Regional Disaster Airlift plans governing the use of general aviation aircraft during national emergencies and natural disasters.

00-17 Turbulence in Clear Air (12-16-65).

Provides information on atmospheric turbulence and wind shear, emphasizing important points pertaining to the common causes of turbulence, the hazards associated with it, and the conditions under which it is most likely to be encountered.

00-21 Shoulder Harness (10-5-66).

Provides information concerning the installation and use of shoulder harnesses by pilots in general aviation aircraft.

AC 00-23D Near Midair Collision Reporting, 5-19-75.

Outlines the Aviation Safety Reporting Program which became effective after April 30, 1975 as covered by AC 00-46.

00-24 Thunderstorms (6-12-68).

Contains information concerning flights in or near thunderstorms.

00-25 Forming and Operating a Flying Club (3-24-69).

Provides preliminary information that will assist anyone or any group of people interested in forming and operating a flying club (\$0.75 GPO.) TD 4.8:F 67.

00-26 Definitions of "U.S. National Aviation Standards" (1-22-69).

Informs the aviation community of the approval by the FAA Administrator of a definition of U.S. National Aviation Standards, the need for such standards, and their relationship to the Federal Aviation Regulations.

00-28 Communications Interference Caused by Sticking Microphone Buttons (8-6-69).

Alerts the industry of communications interference from undesired radiofrequency transmissions.

00-30 Rules of Thumb for Avoiding or Minimizing Encounters with Clear Air Turbulence (3-5-70).

Brings to the attention of pilots and other interested personnel, the "Rule of Thumb" for avoiding or minimizing encounters with clear air turbulence (CAT).

00-31 U.S. National Aviation Standard for the VORTAC System (6-10-70).

Informs the aviation community of the establishment and content of the U.S. National Aviation Standard for the VORTAC (VOR-TACAN-DME) System.

00-32 Civil Air Patrol and State and Regional Defense Airlift Relationships (7-2-70).

Advises interested persons of the Memorandum of Understanding between CAP and FAA, and provides additional guidance to further improve the use of non-air carrier aircraft in time of national emergency.

00-33A Nickel-Cadmium Battery Operational, Maintenance, and Overhaul Practices (2-14-73).

Provides guidelines for more reliable nickel-cadmium battery operation through proper operational and maintenance practices, and has been reissued to include reconditioning information.

00-34A Aircraft Ground Handling and Servicing (7-29-74).

Contains information and guidance for the servicing and ground handling of aircraft.

00-35A Emergency Locator Transmitters—Operational and Maintenance Practices (9-28-73).

Provides guidelines relative to the licensing, installation, maintenance, and

testing of emergency locator transmitters (ELT).

00-35A CH 1 (4-18-74).

Paragraph 4 of this Advisory Circular deals with the interpretation of FAA licensing requirements and in some instances has been misunderstood. Because this paragraph is subject to misinterpretation and does not concern ELT operational or maintenance practices, it is therefore deleted.

00-36 Inadvertent Transmissions from Emergency Locator Transmitters (ELT) (3-15-73).

Urges pilots and maintenance personnel to make sure emergency locator transmitters are switched off when aircraft are parked.

00-38 Address List for Federal Aviation Administration Air Transportation Security Divisions, Air Transportation Security Field Offices, and Security Specialist Post of Duty (8-28-73).

Transmits the address list for all FAA Air Transportation Security Divisions, Air Transportation Security Field Offices, and Security Specialist Posts of Duty.

00-40 Emergency Locator Transmitter Regulations in FAR 91.52(a)(2) (10-3-73).

Discusses the relationship between FAR 91.52(a)(2) and Section 601(d) of the Federal Aviation Act of 1958 (as amended) and how that relationship affects those who might wish to petition the FAA for an exemption from FAR 91.52(a)(2).

00-41 FAA Quality System Certification Program (1-31-74).

Provides information concerning the Federal Aviation Administration (FAA) Quality System Certification Program and sets forth acceptable means of compliance with its requirements.

00-41 CH 1 (5-20-74).

Clarifies the requirement for the prime manufacturer's Quality Control System Plan to be a self-contained document independent of detailed operating procedures.

Adds paragraphs 2.5 and 3.1 to Appendix 1.

00-44A Status of the Federal Aviation Regulations (3-4-75).

Summarizes the current status of the conversion program, lists FAR prices, and provides ordering instructions for purchasing the regulations.

00-46 Aviation Safety Reporting Program (5-9-75).

Advises that the FAA will make an evaluation study of the National Air Transportation System; will provide reporting procedures; and invites pilots, controllers, and other users of the airspace system or any other person to report discrepancies or deficiencies noted in the system to the FAA.

Procedural

SUBJECT NO. 10

11-1A Airspace Rule-Making Proposals and Changes to Air Traffic Control Procedures (12-21-72).

Emphasizes the need for the early submission of proposal involving airspace rule-making activity or changes to existing procedures for the control of air traffic.

Aircraft

SUBJECT NO. 20

20-3C Status and Availability of Military Handbooks and ANC Bulletins for Aircraft (6-1-73).

Announces the status and availability of Military Handbooks and ANC Bulletins prepared jointly with FAA, Navy and Air Force.

20-5C Plane Sense (1974).

Provides general aviation information for the private aircraft owner.

20-6W U.S. Civil Aircraft Register (2-Volume set) (June 1974).

Lists all active U.S. civil aircraft by registration number. (\$21.00 GPO.) TD 4.18/2:974-2/v. 1, 2.

20-7L General Aviation Inspection Aids, Summary (August 1974).

Provides the aviation community with a uniform means for interchanging service experience that may improve the durability and safety of aeronautical products. Of value to mechanics, operators of repair stations, and others engaged in the inspection, maintenance, and operation of aircraft in general. (\$10.05, \$12.60 foreign—Sub. GPO.) TD 4.409:973.

20-7L Supplement 1 (September 1974).

20-7L Supplement 2 (October 1974).

20-7L Supplement 3 (November 1974).

20-7L Supplement 4 (December 1974).

20-7L Supplement 5 (January 1975).

20-7L Supplement 6 (February 1975).

20-7L Supplement 7 (March 1975).

20-7L Supplement 8 (April 1975).

20-9 Personal Aircraft Inspection Handbook (12-2-64).

Provides a general guide, in simple, nontechnical language, for the inspection of aircraft. Reprinted 1972. (\$1.60 GPO.) FAA 5.8/2:A1 7/2.

20-10 Approved Airplane Flight Manuals for Transport Category Airplanes (7-30-63).

Calls attention to the regulatory requirements relating to FAA Approved Airplane Flight Manuals.

20-13A Surface-Effect Vehicles (8-28-64).

States FAA policy on surface-effect vehicles (vehicles supported by a cushion of compressed air).

20-17B Surplus Aircraft of the Armed Forces (10-11-72).

Sets forth the method of obtaining copies of Federal Aviation Regulations which might be required for certification of surplus military aircraft.

20-18A Qualification Testing of Turbojet Engine Thrust Reversers (3-16-66).

Discusses the requirements for the qualification of thrust reversers and sets forth an acceptable means of compliance with the tests prescribed in Federal Aviation Regulations, Part 33, when run under nonstandard ambient air conditions.

20-23D Interchange of Service Experience—Mechanical Difficulties (2-12-71).

Provides information on the voluntary exchange service experience data used in improving durability and safety of aeronautical products.

20-24A Qualification of Fuels, Lubricants, and Additives (4-1-67).

Establishes procedures for the approval of the use of subject materials in certificated aircraft.

20-27B Certification and Operation of Amateur-Built Aircraft (4-20-72).

Provides information and guidance concerning certification and operation of amateur-built aircraft, including gliders, free balloons, helicopters, and gyroplanes, and sets forth an acceptable means, not the sole means, of compliance with FAR Part 21 and FAR Part 91.

20-28A Nationally Advertised Construction Kits, Amateur-Built Aircraft (12-29-72).

Advises persons contemplating the use of nationally advertised kits for the construction of an aircraft, that certain kits when used could render the aircraft ineligible for the issuance of an experimental certificate as an amateur-built aircraft.

20-29B Use of Aircraft Fuel Anti-icing additives (1-18-72).

Provides information on the use of anti-icing additives PFA-55MB and MIL-I-27686 as an acceptable means of compliance with the FARs that require assurance of continuous fuel flow under conditions where ice may occur in turbine aircraft fuel systems.

20-30A Airplane Position Lights and Supplementary Lights (4-18-68).

Provides an acceptable means for complying with the position light requirements for airplane airworthiness and acceptable criteria for the installation of supplementary lights on airplanes.

20-32B Carbon Monoxide (CO) Contamination in Aircraft—Detection and Prevention (11-24-72).

Provides information on the potential dangers of carbon monoxide contamination from faulty engine exhaust systems or cabin heaters of the exhaust gas heat exchanger type.

20-33A Technical Information Regarding Civil Aeronautics Manuals 1, 3, 4a, 4b, 5, 6, 7, 9, 13 and 14 (3-7-75).

Advises the public that policy information contained in the subject Civil Aeronautics Manuals may be used in conjunction with specific sections of the Federal Aviation Regulations.

20-34A Prevention of Retractable Landing Gear Failures (4-21-69).

Provides information and suggested procedures to minimize landing accidents involving aircraft having retractable landing gear.

20-35B Tie-Down Sense (4-19-71).

Provides information of general use on aircraft tie-down techniques and procedures.

20-36D Index of Materials, Parts, and Appliances Certified Under the Technical Standard Order System—August 1, 1974 (9-6-74).

Lists the materials, parts, and appliances for which the Administrator has received statements of conformance under the Technical Standard Order system as of August 1, 1974. Such products are deemed to have met the requirements for FAA approval as provided in Part 37 of the Federal Aviation Regulations.

20-37B Aircraft Metal Propeller Blade Failure (9-12-74).

Provides information and suggested procedures to increase service life and to minimize blade failures of metal propellers.

20-38A Measurement of Cabin Interior Emergency Illumination in Transport Airplanes (2-8-66).

Outlines acceptable methods, but not the only methods, for measuring the cabin interior emergency illumination on transport airplanes, and provides information as to suitable measuring instruments.

20-39 Installation Approval of Entertainment Type Television Equipment in Aircraft (7-15-65).

Presents an acceptable method (but not the only method) by which compliance may be shown with Federal Aviation Regulations 23.1431, FAR 25.1309(b), FAR 27.1309(b), or FAR 29.1309(b), as applicable.

20-40 Placards for Battery-Excited Alternators Installed in Light Aircraft (8-11-65).

Sets forth an acceptable means of complying with placarding rules in Federal Aviation Regulations 23 and 27 with respect to battery-excited alternator installations.

20-41 Replacement TSO Radio Equipment in Transport Aircraft (8-30-65).

Sets forth an acceptable means for complying with rules governing transport category aircraft installations in cases

involving the substitution of technical standard order radio equipment for functionally similar radio equipment.

20-42 Hand Fire Extinguishers in Transport Category Airplanes and Rotorcraft (9-1-65).

Sets forth acceptable means (but not the sole means) of compliance with certain hand fire extinguisher regulations in FAR 25 and FAR 29, and provides related general information.

20-43B Aircraft Fuel Control (6-8-71).

Alerts the aviation community to the potential hazards of inadvertent mixing or contamination of turbine and piston fuels, and provides recommended fuel control and servicing procedures.

20-44 Glass Fiber Fabric for Aircraft Covering (9-3-65).

Provides a means, but not the sole means, for acceptance of glass fiber fabric for external covering of aircraft structure.

20-45 Safelying of Turnbuckles on Civil Aircraft (9-17-65).

Provides information on turnbuckle safelying methods that have been found acceptable by the FAA during past aircraft type certification programs.

20-46 Suggested Equipment for Gliders Operating Under IFR (9-23-65).

Provides guidance to glider operators on how to equip their gliders for operation under instrument flight rules (IFR), including flight through clouds.

20-47 Exterior Colored Band Around Exits on Transport Airplanes (2-8-66).

Sets forth an acceptable means, but not the only means, of complying with the requirement for a 2-inch colored band outlining exits required to be openable from the outside on transport airplanes.

20-48 Practice Guide for Decontaminating Aircraft (5-5-66).

The title is self-explanatory.

20-51 Procedures for Obtaining FAA Approval of Major Alterations to Type Certificated Products (4-12-67).

Provides assistance to persons who desire to obtain FAA approval of major alterations to type certificate products.

20-52 Maintenance Inspection Notes for Douglas DC-6/7 Series Aircraft (8-24-67). (Consolidated Reprint—January 1974, includes Change 1.)

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of DC-6/7 series aircraft.

20-53 Protection of Aircraft Fuel System Against Lightning (10-6-67).

Sets forth acceptable means, not the sole means, by which compliance may be shown with fuel system lightning protection airworthiness regulations.

20-54 Hazards of Radium-Activated Luminous Compounds Used on Aircraft Instruments (10-24-67).

Provides information concerning health hazards associated with the repair and maintenance of instruments containing luminous markings activated with radium-226 or radium-228 (mesothorium).

20-55 Turbine Engine Overhaul Standard Practices Manual—Maintenance of Fluorescent Penetrant Inspection Equipment (1-22-68).

Advises operators of the necessity for periodic checking of black light lamps and filters used during fluorescent penetrant inspection of engine parts.

20-56A Marking of TSO-C72b Individual Flotation Devices (4-1-75).

Outlines acceptable methods for marking individual flotation devices which also serve as seat cushions.

20-57A Automatic Landing Systems (ALS) (1-12-71).

Sets forth an acceptable means of compliance, but not the only means, for the installation approval of automatic landing systems in transport category aircraft which may be used initially in Category II operations. Approval of these aircraft for use under such conditions will permit the accumulation of data for systems which may be approved for Category IIIa in the future.

20-59 Maintenance Inspection Notes for Convair 240, 340/440, 240T, and 340T Series Aircraft (2-19-68).

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Convair 240, 340/440, 240T, and 340T series aircraft.

20-59 CH I (8-24-72).

Provides additional material for Convair Models 240 and 600/240D; Models 340/440 and 640/340D/440D series aircraft Maintenance inspection programs.

20-60 Accessibility to Excess Emergency Exits (7-18-68).

Sets forth acceptable means of compliance with the "readily accessible" provisions in the Federal Aviation Regulations dealing with excess emergency exits.

20-62B Eligibility, Quality, and Identification of Approved Aeronautical Replacement Parts (9-13-74).

Provides information relative to the determination of the eligibility of aeronautical parts and materials for installation on certificated aircraft.

20-63 Airborne Automatic Direction Finder Installations (Low and Medium Frequency) (7-7-69).

Sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne automatic direction finders. It does not pertain to installations previously approved.

20-64 Maintenance Inspection Notes for Lockheed L-188 Series Aircraft (8-1-69).

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Lockheed L-188 series aircraft.

20-64 CH I (10-26-73).

20-65 U.S. Airworthiness Certificates and Authorizations for Operation of Domestic and Foreign Aircraft (8-11-69).

Provides general information and guidance concerning issuance of airworthiness certificates for U.S. registered aircraft, and issuance of special flight authorizations for operation in the United States of foreign aircraft not having standard airworthiness certificates issued by the country of registry.

20-66 Vibration Evaluation of Aircraft Propellers (1-29-70).

Outlines acceptable means, but not the sole means, for showing compliance with the requirements of the FARs concerning propeller vibration.

20-67A Airborne VHF Communication System Installations (10-17-72).

Sets forth one means, but not the only means of demonstrating compliance with the airworthiness rules governing the functioning of airborne VHF communication systems.

20-68A Recommended Radiation Safety Precautions for Airborne Weather Radar (4-11-75).

Sets forth recommended radiation safety precautions for ground operation of airborne weather radar.

20-69 Conspicuity of Aircraft Instrument Malfunction Indicators (5-14-70).

Provides design guidance information on methods of improving conspicuity of malfunction indication devices.

20-71 Dual Locking Devices on Fasteners (12-8-70).

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the requirements for dual locking devices on removable fasteners installed in rotorcraft and transport category airplanes.

20-72 Restricted Category Helicopter Maximum Weight Increases (3-11-71).

Provides assistance to persons who desire to obtain FAA approval of over-maximum certificated takeoff weight condition for restricted category helicopter operations.

20-73 Aircraft Ice Protection (4-21-71).

Provides information relating to the substantiation of ice protection systems on aircraft.

20-74 Aircraft Position and Anticollision Light Measurements (7-29-71).

Contains useful information concerning measurements for intensity, covering,

and color of aircraft position and anti-collision lights.

20-76 Maintenance Inspection Notes for Boeing B-707/720 Series Aircraft (10-21-71).

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-707/720 series aircraft.

20-77 Use of Manufacturers' Maintenance Manuals (3-22-72).

Inform owners and operators about the usefulness of manufacturers' maintenance manuals for servicing, repairing, and maintaining aircraft, engines, and propellers.

20-78 Maintenance Inspection Notes for McDonnell Douglas DC-8 Series Aircraft (7-11-72).

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the DC-8 series aircraft.

20-81 Accidental or Unauthorized Activation of Emergency Locator Transmitters (ELT) (10-10-72).

Alerts the general aviation community to the harmful effects of accidental or unauthorized activation of emergency locator transmitters.

20-82 Maintenance Inspection Notes for Fairchild Hiller F-27/FH-227 Series Aircraft (12-5-72).

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of Fairchild Hiller F-27/FH-227 series aircraft.

20-82 CH 1 (7-12-73).

Provides additional material for subject advisory circular.

20-83 Maintenance Inspection Notes for Boeing B-737 Series Aircraft (1-17-73).

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-737 series aircraft.

20-83 CH 1 (8-8-74).

Provides updating of material for the B-737 series aircraft maintenance inspection program. Inspection of selected areas of the wing, fuselage, empennage and landing gear of B-737 series aircraft are presented supplementing information currently in AC 20-83.

20-83 CH 2 (1-31-75).

20-84 Maintenance Inspection Notes for Boeing B-727 Series Aircraft (1-22-73).

Provides inspection notes which can be used for the maintenance support program for certain structural parts of the B-727 series aircraft.

20-84 CH 1 (8-8-74).

Updates material for the B-727 series aircraft maintenance inspection program. Inspection of selected areas of the

wing, fuselage, empennage and landing gear of the B-727 series aircraft are presented supplementing information currently available in AC 20-84.

20-84 CH 2 (1-31-75).

20-85 Emergency Locator Transmitters and Receivers (3-16-73).

Provides information concerning the design, installation, and utilization of emergency locator transmitters.

20-86 Aviation Education: through Building an Airplane (5-11-73).

Provides information to high schools about the available assistance, resources, methods, and opportunities for attaining basic educational goals by building an airplane.

20-87 Airborne Homing and Alerting Equipment for use with Emergency Locator Transmitters (5-7-73).

Sets forth the availability of recommended basic characteristics for airborne homing and alerting equipment for use with emergency locator transmitters (ELT).

20-88 Guidelines on the Marking of Power-Plant Instruments (12-11-73).

Provides guidelines on the marking of aircraft powerplant instruments.

20-89 Communication Interference Caused by Unintentional Radio Transmissions (3-22-74).

Alerts the aviation community to the potential hazards created by unintentional radio transmissions from airborne, mobile, and ground based radio transmitters and gives guidance on alleviating ensuing hazards.

20-90A Address List for Engineering and Manufacturing District Offices (3-5-75).

Transmits the address list for all Engineering and Manufacturing District Offices.

20-91 Lithium Batteries Used in Emergency Locator Transmitters (4-11-75).

Warns of potential hazards associated with accidental release of sulfur-dioxide gas from lithium-sulfur batteries.

21-1A Production Certificates (7-9-71).

Provides information concerning Subpart G of Federal Aviation Regulations (FAR) Part 21, and sets forth acceptable means of compliance with its requirements.

21-2B Export Airworthiness Approval Procedures (10-2-69).

Announces the adoption of new regulations and provides guidance to the public regarding the issuance of export airworthiness approvals for aeronautical products to be exported from the United States.

21-2B CH 1 (11-13-70).

21-2B CH 2 (2-8-71).

21-3 Basic Glider Criteria Handbook (1962).

Provides individual glider designers, the glider industry, and glider operating organizations with guidance material that augments the glider airworthiness certification requirements of the Federal Aviation Regulations. Reprinted 1973. (\$1.75 GPO). FAA 5.8/2:G49/962.

21-4B Special Flight Permits for Operation of Overweight Aircraft (7-30-69).

Furnishes guidance concerning special flight permits necessary to operate an aircraft in excess of its usual maximum certificated takeoff weight.

21-5C Summary of Supplemental Type Certificates (Announcement of Availability) (1-19-73).

Announces the availability to the public of the new price of the Summary of Supplemental Type Certificates (SSTC), dated January 1971.

21-6 Production Under Type Certificate Only (5-26-67).

Provides information concerning Subpart F of FAR Part 21, and sets forth examples, when necessary, of acceptable means of compliance with its requirements.

21-7A Certification and Approval of Import Products (11-24-69).

Provides guidance and information relative to U.S. certification and approval of import aircraft, aircraft engines and propellers that are manufactured in a foreign country with which the United States has an agreement for the acceptance of those products for export and import.

21-8 Aircraft Airworthiness; Restricted Category: Certification of Aircraft With Uncertificated or Altered Engines or Propellers (5-21-69).

Sets forth acceptable means of substantiating that uncertificated or altered engines and propellers have no unsafe features for type certification of aircraft in the restricted category.

21-9 Manufacturers Reporting Failures, Malfunctions, or Defects (12-30-70).

Provides information to assist manufacturers of aeronautical products (aircraft, aircraft engines, propellers, appliances, and parts) in notifying the Federal Aviation Administration of certain failures, malfunctions, or defects, resulting from design or quality control problems, in the products which they manufacture.

21-10 Flight Recorder Underwater Locating Device (5-20-71).

Provides one acceptable means (not the only means) of showing compliance with the underwater locating device requirements of FAR 25.1459 and FAR 121.343.

21-11 Quality Assurance Systems Analysis Review (QASAR) Program Manufacturers/Suppliers (5-26-72).

Explains the objectives and concept of the FAA's subject program.

21-12 Application for U.S. Airworthiness Certificate, FAA Form 8130-6 (OMB 04-R0058) (1-17-73).

Provides instructions on the preparation and submittal of subject form.

21-13 Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts (4-5-73).

Provides guidance and instructions on establishing eligibility and submitting application for civil airworthiness certification of surplus military aircraft and aircraft assembled from spare and surplus parts, under FAR 21.183(d) when an FAA Type Certificate has been issued under FAR 21.21 or FAR 21.27.

21.25-1 Use of Restricted Category Airplanes for Glider Towing (4-20-65).

Announces that glider towing is now considered to be a special purpose for type and airworthiness certification in the restricted category.

21.303-1A Certification Procedures for Products and Parts (8-10-72).

Provides information concerning section 21.303 of Federal Aviation Regulations, Part 21, and to set forth examples, as necessary, of acceptable means of compliance with its requirements.

23.1329-1 Automatic Pilot Systems Approval (Non-Transport) (12-23-65).

Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 23.1329 may be shown.

25-2 Extrapolation of Takeoff and Landing Distance Data Over a Range of Altitude for Turbine-Powered Transport Aircraft (7-9-64).

Sets forth acceptable means by which compliance may be shown with the requirements in CAR 4b and SR-422B.

25-4 Inertial Navigation Systems (INS) (2-18-66).

Sets forth an acceptable means for complying with rules governing the installation of inertial navigation systems in transport category aircraft.

25-5 Installation Approval on Transport Category Airplanes of Cargo Unit Load Devices Approved as Meeting the Criteria in NAS 3610 (6-3-70).

Set forth an acceptable means, but not the sole means, of complying with the requirements of the Federal Aviation Regulations (FAR's) applicable to the installation on transport category airplanes of cargo unit load devices approved as meeting the criteria in NAS 3610.

25-6 Ground Proximity Warning Systems (GPWS) (12-31-74).

Outlines acceptable ground proximity warning system performance. System performance, other than that described, may also be acceptable when adequately substantiated.

25.253-1 High-Speed Characteristics (11-24-65).

Sets forth an acceptable means by which compliance may be shown with FAR 25.253 during certification flight tests.

25.253-1 CH 1 (1-10-66).

Provides amended information for the basic advisory circular.

25.981-1A Guidelines for Substantiating Compliance With the Fuel Tank Temperature Requirements (1-20-71).

Sets forth some general guidelines for substantiating compliance with fuel tank temperature airworthiness standards, section 25.981.

25.1329-1A Automatic Pilot System Approval (7-8-68).

Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 25.1329 may be shown.

25.1457-1A Cockpit Voice Recorder Installations (11-3-69).

Sets forth one acceptable means of compliance with provisions of FAR 25.1457 (b), (e), and (f) pertaining to area microphones, cockpit voice recorder location, and erasure features.

29-1 Approval Basis for Automatic Stabilization Equipment (ASE) Installations in Rotorcraft (12-26-63).

Gives means for compliance with flight requirements in various CAR's.

29-1 CH1 (3-26-64).

Transmits revised information about the time delay of automatic stabilization equipment.

29.773-1 Pilot Compartment View (1-19-66).

Sets forth acceptable means, not the sole means, by which compliance with FAR 29.773(a) (1), may be shown.

33-1B Turbine-Engine Foreign Object Ingestion and Rotor Blade Containment Type Certification Procedures (4-22-70).

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the design and construction requirements, of Part 33 of the Federal Aviation Regulations.

33-2A Aircraft Engine Type Certification Handbook (6-5-72).

Contains guidance relating to type certification of aircraft engines which will constitute acceptable means, although not the sole means, of compliance with the Federal Aviation Regulations.

33-3 Turbine and Compressor Rotors Type Certification Substantiation Procedures (9-9-68).

Sets forth guidance and acceptable means, not the sole means, by which compliance may be shown with the turbine and compressor rotor substantiation requirements in FAR Part 33.

36-1 Airplane Noise Levels (5-31-73).

Provides noise level data for turbine powered airplanes.

37-2A Test Procedures for Maximum Allowable Airspeed Indicators (10-22-74).

Provides guidance concerning test procedures which may be used in showing compliance with the standards in FAR 37.145 (TSO-C46a).

37-3A Radio Technical Commission for Aeronautics Document DO-160 (3-20-75).

This circular announces RTCA Document DO-160 and discusses how it may be used in connection with technical standard order authorizations.

39-1A Jig Fixtures; Replacement of Wing Attach Angles and Doublers on Douglas Model DC-3 Series Aircraft Airworthiness Directive 66-18-2 (3-5-70).

Describes methods of determining that jig fixtures used in the replacement of the subject attached angles and doublers meet the requirements of Airworthiness Directive 66-18-2.

39-6D Summary of Airworthiness Directives (2-11-74).

Announces the availability of Summary of Airworthiness Directives dated January 1, 1974 from the FAA in Oklahoma City and how to obtain them.

43-1 Matching VHF Navigation Receiver Outputs With Display Indicators (8-2-65).

Alerts industry to the possibility of mismatching outputs, both guidance and flag alarm, of certain VHF navigation receivers when used with some types of display indicators causing the receiver to fail without providing a flag alarm.

43-2A Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments (8-22-74).

Sets forth guidance material which may be used to determine the adequacy of barometers used in the calibration of aircraft static instruments and presents information concerning the general operation, calibration, and maintenance of such barometers.

43-3 Nondestructive Testing in Aircraft (5-11-73).

Reviews the basic principles underlying nondestructive testing. (\$0.75 GPO.) TD 4.8:T28/973.

43-4 Corrosion Control for Aircraft (5-15-73).

Summarizes current available data regarding identification and treatment of corrosive attack on aircraft structure and engine materials.

43-4 CH 1 (3-1-74).

Provides additional information on identification and treatment of corrosion attack on aircraft structures. Adds a new Chapter 14—Corrosion control of aircraft used in agricultural cropdusting operations.

43-4 CH 2 (10-8-74).

Clarifies the discussion on the removal of corrosion and treatment of corroded areas.

43-5 Airworthiness Directives for General Aviation Aircraft (8-13-74).

Points areas of misunderstanding regarding: (1) Aircraft owners and operators' responsibility for complying with AD's; (2) maintenance personnel responsibilities with regards to performance of AD's; and (3) maintenance records entries for AD's required by FAR 91.173(a) (2) (v) and FAR 43.9.

43-6 Automatic Pressure Altitude Encoding Systems and Transponder Maintenance and Inspection Practices (9-19-74).

Provides information on the installation of encoding altimeters based upon recently acquired operating experience and on the maintenance of ATC transponders.

43-7 Ultrasonic Testing for Aircraft (9-24-74).

Describes methods used in ultrasonic nondestructive testing, discusses the many advantages, and points out the simplicity of the tests. Contains many illustrations. (\$1 GPO.) TD 4402:UL 8.

AC 43-9 Maintenance Records: General Aviation Aircraft (2-19-75).

Provides information to assist maintenance personnel in fulfilling their responsibility under FAR Section 43.9.

43.9-1C Instruction for Completion of FAA Form 337 (12-20-73).

Provides instructions for completing revised FAA Form 337, Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance).

43.13-1A Acceptable Methods, Techniques and Practices—Aircraft Inspection and Repair (4-17-72).

Contains methods, techniques, and practices acceptable to the Administrator for inspection and repair to civil aircraft. Published in 1973. (\$3.70—GPO.) TD 4.28/2:972.

43.13-2 Acceptable Methods, Techniques, and Practices—Aircraft Alterations (4-19-66).

Contains methods, techniques, and practices acceptable to the Administrator in altering civil aircraft. Published in 1965. (\$3.60—\$4.50 foreign Sub.—GPO.) TD 4.28:973.

Subscription now includes: Changes 1 thru 14 Consolidated Reprint in 1973, Change 15 dated 1-15-74, and Change 16 dated 8-12-74.

43-202 Maintenance of Weather Radar Radomes (6-11-65).

Provides guidance material useful to repair facilities in the maintenance of weather radar radomes.

43-203A Altimeter and Static System Tests and Inspections (6-6-67).

Specifies acceptable methods for testing altimeter and static system. Also, provides general information on test equipment used and precautions to be taken.

45-2 Identification and Registration Marking (7-7-72).

Provides guidance and information concerning the identification and marking requirements of Federal Aviation Regulations (FAR) Parts 21 and 45, and where considered helpful, to provide an acceptable means, but not the sole means, of compliance with the regulations.

47-1A Aircraft Registration, Eligibility, Identification and Activity Report (6-7-73).

Advises owners and operators of U.S. civil aircraft of requirement for annual submission of current information related to aircraft registration eligibility, requests similar submission of information related to identification and activity of aircraft; and to call attention to the availability of the reporting form to be used.

Airmen**SUBJECT NO. 60****60-2M Annual Aviation Mechanic Safety Awards Program (2-6-75).**

Provides the details of the annual Aviation Mechanic Safety Awards Program.

60-4 Pilot's Spatial Disorientation (2-9-65).

Acquaints pilots flying under visual flight rules with the hazards of disorientation caused by the loss of reference with the natural horizon.

60-6 FAA Approved Airplane Flight Manuals, Placards, Listings, Instrument Markings—Small Airplanes (12-13-68).

Alerts pilots to the regulatory requirements relating to the subject and provides information to aid pilots to comply with the provisions of FAR section 91.31.

60-7 Statement of Additional Instruction for Retest (1-27-72).

Announces a new procedure for the use of a computer printed "statement of Additional Instruction" on each Airman Written Test Report that has an unsatisfactory grade for any section. It explains the statement and strongly recommends its use.

60-9 Induction Icing—Pilot Precautions and Procedures (2-23-73).

Provides the pilot with information on the causes and results of induction icing in reciprocating aircraft engines, and the precautions he should take to reduce the likelihood of icing, and the means

available to him in controlling icing when it is encountered.

60-10 Recommended Safety Parameters for Operation of Hang Gliders (5-16-74).

Suggests safety parameters for the operation of "hang gliders" and to present the current FAA intent with respect to the regulation and operation of those vehicles.

60-11 Aids Authorized for Use by Airman Written Test Applicants (8-27-74).

Clarifies FAA policy concerning aids that applicants may use when taking airman written tests.

61-1D Aircraft Type Ratings (5-15-72).

Provides designators adopted by the Federal Aviation Administration for aircraft type ratings issued with pilot certificates.

61-2A Private Pilot (Airplane) Flight Training Guide (9-1-64).

Contains a complete private pilot flight training syllabus which consists of 30 lessons. Reprinted in 1972. (\$2.60 GPO.) FAA 5.8/2:P 64/4/964.

61-3B Flight Test Guide—Private Pilot—Airplane—Single Engine (4-2-68).

Assists the private pilot applicant in preparing for his certification flight test. Reprinted in 1969. (\$0.55 GPO.) TD 4.408:P 64/2.

61-4C Multiengine Airplane Class or Type Rating—Flight Test Guide (2-1-71).

Assists the private pilot applicant in preparing for certification or rating flight tests. Reprinted in 1972. (\$0.55 GPO.) TD 4.408:M 91/971.

61-5A Helicopter Pilot Written Test Guide—Private—Commercial (8-14-67).

Gives guidance to applicants preparing for the aeronautical knowledge requirements for a private or commercial pilot certificate with a helicopter rating.

61-8C—Instrument Rating (Airplane) Written Test Guide (5-31-72).

Reflects the current operating procedures and techniques in a background setting appropriate for applicants preparing for the subject test. (\$1.45 GPO.) TD 4.8:In 7/4/972.

61-9B Pilot Transition Courses for Complex Single-Engine and Light, Twin-engine Airplanes (1-15-74).

A guide to the procedures and standards to be followed for a thorough and comprehensive checkout in modern single- and twin-engine aircraft. (\$0.35 GPO.) TD 4.8:P 64/6/974.

61-10A Private and Commercial Pilots Refresher Courses (9-27-72).

Provides a syllabus of study requirements and describes the areas of training that should be emphasized. (\$0.40 GPO.) TD 4.408:P 64/6.

61-11B Airplane Flight Instructor Written Test Guide (9-12-72).

Provides information to prospective airplane flight instructors about certification requirements, application procedures, and reference study materials; a sample examination is presented with explanations of the correct answers. (\$0.95 GPO.) TD 4.408: In 7/972.

61-12F Student Pilot Guide (1-25-74).

Provides guidance for student pilots and those already in primary flight training. Updated to include requirements covered in the revised Part 61. (\$0.55 GPO.) TD 4.8:P64/3/974.

61-13A Basic Helicopter Handbook (4-5-73).

Provides detailed information to applicants preparing for private, commercial, and flight instructor pilot certificates with a helicopter rating about helicopter aerodynamics, performance, and flight maneuvers. It will also be useful to certificated helicopter flight instructors as an aid in training students. (\$1.90 GPO.) TD 4.408:H 36/2.

61-14A Flight Instructor Practical Test Guide (10-23-69).

Provides assistance to the certificated pilot in preparing for the practical demonstration required for the issuance of the flight instructor certificate. Reprinted in 1973. (\$0.35 GPO.) TD 4.408: In 7/4.

61-16A Flight Instructor's Handbook (10-14-69).

Gives guidance and information to pilots preparing to apply for flight instructor certificates and for use as a reference by flight instructors. (\$2 GPO.) Reprinted in 1972. TD 4.408: In 7/3.

61-17B Flight Test Guide—Instrument Pilot Airplane (1-12-72).

Provides assistance for the instrument pilot applicant in preparing for his instrument rating flight test. Reprinted in 1973. (\$0.40 GPO.) TD 4.408: In 7/2/972.

61-18C Airline Transport Pilot (Airplane) Written Test Guide (4-19-71).

Reflects current operating procedures and techniques in a background setting appropriate for applicants preparing for the Airline Transport Pilot (Airplane) Written Test. (\$1.75 GPO.) Reprinted in 1972. TD 4.8:P 64/5/971.

61-19 Safety Hazard Associated With Simulated Instrument Flights (12-4-64).

Emphasizes the need for care in the use of any device restricting visibility while conducting simulated instrument flights that may also restrict the view of the safety pilot.

61-21 Flight Training Handbook (1-11-66).

Provide information and direction in the introduction and performance of training maneuvers for student pilots, pilots requalifying or preparing for ad-

ditional ratings, and flight instructors. Reprinted in 1969. (\$2.10 GPO.) FAA 1.8:F 64/4.

61-23A Pilot's Handbook of Aeronautical Knowledge (7-10-70).

Contains essential, authoritative information used in training and guiding applicants for private pilot certification, flight instructors, and flying school staffs. (\$5.30 GPO.) TD 4.408:P 64/5.

61-25 Flight Test Guide—Helicopter Private and Commercial Pilot (12-7-65).

Assists the helicopter pilot applicant in preparing for the certification flight tests; provides information concerning applicable procedures and standards. Published in 1965. (\$0.35 GPO.) FAA 1.8:H 36/2.

61-27B Instrument Flying Handbook (9-22-70).

Provides the pilot with basic information needed to acquire an FAA instrument rating. It is designed for the reader who holds at least a private pilot certificate and is knowledgeable in all areas covered in the "Pilot's Handbook of Aeronautical Knowledge." (\$3.35 GPO.) TD 4.8: In 7/2/971.

61-28A Commercial Pilot Written Test Guide (4-28-70).

Reflects current operating procedures and techniques for the use of applicants in preparing for the Commercial Pilot-Airplane Written Test. (\$2.00 GPO.) TD 4.408:P 64/4.

61-29A Instrument Flight Instructor Written Test Guide (10-16-70).

Reflects current operating procedures, regulations, and techniques for the use of applicants in preparing for the Flight Instructor Instrument Written Test (\$1.00 GPO.) TD 4.8: In 7/5.

61-30A Flight Test Guide—Gyroplane, Private and Commercial (3-23-72).

Assist the commercial and private pilot applicant in preparing for his gyroplane test (\$0.75 GPO.) TD 4.408:G99.

61-31A Gyroplane Pilot Written Test Guide, Private and Commercial (6-9-72).

Provides guidance and assistance to applicants who are preparing for the Private or Commercial Pilot Gyroplane Written Test. Covers the basic aeronautical knowledge that the prospective gyroplane pilot must know.

61-32A Private Pilot Written Test Guide (12-1-71).

Provides information, guidelines, and sample test items to assist applicants for the Private Pilot Certificate in attaining necessary aeronautical knowledge (\$2.50 GPO.) TD 4.408:P 64/971.

61-33 Gyroplane Flight Instructor Examination Guide (3-25-66).

Assists applicants who are preparing for the Flight Instructor Rotorcraft Gyroplane Written Examination. Revised in 1966.

61-34B Federal Aviation Regulations Written Test Guide for Private, Commercial and Military Pilots (2-10-75).

Outlines the scope of the basic knowledge required of civilian or military pilots who are studying FARs as they pertain to the Regulations terminology; to the certification of private and commercial pilots; to the operation of aircraft in the national airspace; and to the requirements of the National Transportation Safety Board. For use as a guide in preparing for the FAR Written Test. (\$0.70 GPO.) TD 4.8P:64/970.

61-38 Rotorcraft Helicopter Written Test Guide (3-16-67).

Gives guidance to applicants preparing for the aeronautical knowledge requirement for a flight instructor certificate with a helicopter rating.

61-39A Flight Test Guide, Private and Commercial Pilot—Glider (10-19-72).

Assists applicants for private and commercial pilot flight tests in gliders.

61-41A Glider Flight Instructor Written Test Guide (1-12-72).

Provides information, guidelines, and sample test items, to assist applicants for the Glider Flight Instructor rating in attaining necessary aeronautical knowledge.

61-42A Airline Transport Pilot (Helicopter) Written Test Guide (1-20-72).

Describes the type and scope of required aeronautical knowledge covered in the written tests, lists reference materials available from GPO bookstores, and presents sample test items with answers and explanations. (\$0.70 GPO.) TD 4.408:H 36/972.

61-43A Glider Pilot Written Test Guide—Private and Commercial (1-12-72).

Provides information, guidelines, and sample test items, to assist applicants for the Glider Pilot certificate in attaining necessary aeronautical knowledge.

61-45 Instrument Rating (Helicopter) Written Test Guide (1-24-68).

Assists applicants who are preparing for the helicopter instrument rating. Presents a study outline, study materials and a sample test with answers.

61-46 Flight Instructor Procedures (6-4-69).

Informs flight instructors of the procedures involved in the renewal of reinstatement of Flight Instructor Certificates, qualification for "Gold Seal" certificates, and endorsing student pilot logbooks for various operations.

61-47 Use of Approach Slope Indicators for Pilot Training (9-16-70).

Informs pilot schools, flight instructors and student pilots of the recommendation of the Federal Aviation Administration on the use of approach slope indicator systems for pilot training.

61-19 Airline Transport Pilot—Airplane Practical Test Guide (8-9-71).

Describes the practical test requirements for Airline Transport Pilot Certificates (Airplane) and associated class and type ratings. (\$0.45 GPO.) TD 4.408:AI 7/4.

61-50 Aerial Applicator Aerodynamics Review of "Region of Reversed Command" (2-7-72).

Provided for the purpose of increasing pilot awareness of the aerodynamic limitations pertinent to aerial applicator operations.

61-51 Reporting Flight Time on Pilot Applications, FAA Form 8420-3 (6-26-72).

Advises applicants of the importance of entering their pilot flight time on subject form. (OBM No. 04-R0064.)

61-52B Flight Instructor of the Year Award Program (1-5-74).

Provides the details of the Flight Instructor of the Year Award Program.

61-54 Flight Test Guide (Part 61 revised)—Private Pilot Airplane (4-2-73).

Establishes a new concept of pilot training and certification requirements. (\$0.65 GPO.) TD 4.408:P64/2/973.

61-55 Commercial Pilot Airplane Flight Test Guide (4-13-73).

Assist the applicant and his instructor in preparing for the flight test for the Commercial Pilot Certificate with Airplane Rating under Part 61 (revised). See also AC 61-78 and AC 61-79. (\$0.60 GPO.) TD 4.408:AI7/7.

61-56 Flight Test Guide (Part 61 revised) Instrument Pilot Airplane (5-1-73).

Assists the applicant and his instructor in preparing for the flight test for the Instrument Pilot Airplane Rating under Part 61 (revised). (\$0.55 GPO.) TD 4.408:IN/7/2/973.

61-57 Multiengine Airplane Class and Type Ratings, Flight Test Guide (4-13-73).

Contains information and guidance concerning the pilot operations, procedures, and maneuvers relevant to the flight test required for the Multiengine Class and Type Rating under Part 61 (revised). See also AC 61-79. (\$0.85 GPO.) TD 4.408:MD1/973.

61-58 Flight Instructor Practical Test Guide (5-1-73).

Outlines new requirements based on changes to FAR Part 61, Certification of Pilots and Flight Instructors. (\$0.50 GPO.) TD 4.408:IN 7/5.

61-59 Private and Commercial Pilot, Flight Test Guide (5-24-73).

Assist the applicant and his instructor in preparing for the flight test for the Private or Commercial Pilot Rotorcraft Certificate with Helicopter Rating under Part 61 (revised). (\$0.75 GPO.) TD 4.408:H36/3.

61-60 Private and Commercial Pilot Gyroplane, Flight Test Guide (May 1973).

Outlines appropriate pilot operations and the minimum standards for the performance of each procedure or maneuver which will be accepted by the examiner as evidence of the pilot's competency, under Part 61 (revised). (\$0.65 GPO.) TD 4.408:G99/973.

61-61 Private and Commercial Pilot Glider, Flight Test Guide (4-27-73).

Assist the applicant and his instructor in preparing for the flight test for the Private and the Commercial Pilot Certificate with Glider Rating under Part 61 (revised). (\$0.50 GPO.) TD 4.408:G49.

61-62 Private and Commercial Pilot Free Balloon . . . , Flight Test Guide (June 1973).

Assists the applicant and his instructor in preparing for the flight test for the Private Pilot or Commercial Pilot Certificate with a lighter-than-air category and free balloon class rating under Part 61 (revised).

61-63 Flight Test Guide, Private and Commercial Pilot—Lighter-Than-Air Airship (5-23-74).

Establishes a new concept of pilot training and certification requirements. To provide a transition to these revised requirements, Part 61 (revised) permits the applicant, for a period of 1 year after the effective date, to meet either the previous requirements for the Private Pilot Certificate as outlined in Part 61, prior to November 1, 1973.

61-64 Flight Test Guide—Instrument Pilot Helicopter (7-23-73).

Assists the applicant and his instructor in preparing for the flight test for the Instrument Pilot Helicopter Rating under the revised Part 61 (\$0.55 GPO.) TD 4.408:H36/4.

61-65 Part 61 (Revised) Certification: Pilot and Flight Instructors (9-5-73).

Informs pilots and flight instructors of the changes in Part 61, revised January 23, 1973, their effects, and the standards and procedures which will be used in implementing them.

61-66 Annual Pilot in Command Proficiency Checks (11-2-73).

Presents material relating to annual proficiency checks required for pilots-in-command of civil aircraft type certificated for more than one required pilot crewmember, other than those operating under Parts 121, 123, 127, 133, 135, and 137.

61-67 Hazards Associated with Spins in Airplanes Prohibited from Intentional Spinning (2-1-74).

Informs pilots of the airworthiness standards for the type certification of small airplanes prescribed in Section 23.221 of the Federal Aviation Regulations concerning spin maneuvers.

61-68 Flight Instructor Refresher Clinics—Scheduling, Attendance, Facilities, and Equipment (2-27-74).

Provides guidance to sponsors regarding scheduling, required facilities and equipment, and attendance control at Flight Instructor Refresher Clinics in which the Flight Instructor Refresher Unit (FIRU) participates.

61-70 Flight Instructor Instrument—Airplane—Written Test Guide (3-29-74).

Provides guidance for the applicant by outlining the scope of knowledge required for the Flight Instructor Certificate with an Instrument Airplane Rating. (\$1.65 GPO.) TD 4.8:IN 7/6.

61-71 Commercial Pilot—Airplane—Written Test Guide (4-9-74).

Assist applicants who are preparing for the Commercial Pilot—Airplane—Written Test based on the requirements of FAR Part 61 (revised) which became effective Nov. 1, 1973. (\$0.85 GPO.) TD 4.408:P64/4/974.

61-72 Flight Instructor—Airplane—Written Test Guide (4-9-74).

Assists applicants who are preparing for the Flight Instructor certificate with Airplane Rating based on the revised provisions of FAR Part 61 which became effective Nov. 1, 1973. (\$1.45 GPO.) TD 4.408:IN 7/974.

61-73 Private and Commercial Pilot Rotorcraft—Helicopter Written Test Guide (8-8-74).

Assists applicants who are preparing for the Private or Commercial Pilot certificate with a Rotorcraft—Helicopter rating under the provisions of FAR Part 61 (revised). (\$0.80 GPO.) TD 4.408:P64/7.

AC 61-74 Flight Instructor Rotorcraft—Helicopter Written Test Guide (5-8-74).

Assists applicants who are preparing for the Flight Instructor Certificate with a Rotorcraft—Helicopter Rating. (\$1.45 GPO.) TD 4.408:R74.

AC 61-75 Flight Instructor—Glider—Written Test Guide (9-18-74).

Assists applicants who are preparing for the Flight Instructor—Glider Written Test. (\$1.10 GPO.) TD 4.408:G 49/2.

61-78 Substitute "Acceptable Performance Guidelines" Applicable to AC 61-55, Commercial Pilot—Airplane—Flight Test Guide (10-10-74).

This supplementary AC is to be used in conjunction with AC 61-55, in conducting flight tests of applicants seeking a single engine sea class rating at the commercial pilot skill level. (See AC 61-55).

61-79 Substitute "Acceptable Performance Guidelines" Applicable to AC 61-57, Multiengine Airplane Class and Type Ratings Flight Test Guide (10-10-74).

This supplementary AC is to be used in conjunction with AC 61-55 and section 1 of AC 61-57, in conducting the flight test

of an individual who is applying for a multiengine airplane land or sea class rating at the commercial pilot skill level. (See AC 61-55 and AC 61-57).

61-80 List of Flight Test Guides and Supplementary Advisory Circulars To Be Used for Private and Commercial Flight Tests (10-10-74).

Provides guidance in determining the appropriate Flight Test Guides and supplementary material to be used when administering private and commercial flight tests for initial certification or an additional class rating in airplanes.

61.117-1D Flight Test Guide—Commercial Pilot, Airplane (2-14-72).

Assists the commercial applicant in preparing for his certification flight test. Reprinted in 1973 (\$0.80 GPO.) TD 4.8:P 64/2/972.

63-1B Flight Engineer Written Test Guide (10-22-70).

Provides information to prospective flight engineers and others interested in this certification area. Contains information about certification requirements and describes the type and scope of the written test. Lists appropriate study and reference material and presents sample questions similar to those found in the official written tests. (\$0.85 GPO.) TD 4.8:En 3/971.

63-2A Flight Navigator Written Test Guide (4-4-69).

Defines the scope and narrows the field of study to the basic knowledge required for the Flight Navigator Certificate. Published in 1969. (\$0.70 GPO.) TD 4.8:F 64/2.

65-2C Airframe and Powerplant Mechanics Certification Guide (3-15-73).

Provides information to prospective airframe and powerplant mechanics and other persons interested in FAA certification of aviation mechanics. (\$1.10 GPO.) TD 4.8A1 7/6/973.

65-1B Aircraft Dispatcher Written Test Guide (7-25-72).

Describes the type and scope of aeronautical knowledge covered by the aircraft dispatcher written examination, lists reference materials, and presents sample questions. (\$1.40 GPO.) TD 408:A1 7/6.

65-5 Parachute Rigger Certification Guide (6-19-67).

Provides information on how to apply for a parachute rigger certificate or rating and assists the applicant in preparing for the written, oral, and practical tests. Reprint in 1970. (\$0.25 GPO.) TD 4.8:P 21.

65-9 Airframe and Powerplant Mechanics—General Handbook (8-26-70).

Designed as a study manual for persons preparing for a mechanic certificate with airframe or powerplant ratings. Emphasis in this volume is on theory and methods of application, and is intended to provide basic information on principles, fundamentals, and airframe and

powerplant ratings. Reprinted in 1973. (\$6 GPO.) TD 4.408:A1 7/2.

65-11A Airframe and Powerplant Mechanics Certification Information (4-21-71).

Provides answers to questions most frequently asked about Federal Aviation Administration certification of aviation mechanics. (\$0.40 GPO.) TD 4.8:A1 7/21/971.

65-12 Airframe and Powerplant Mechanics Powerplant Handbook (9-25-70).

Designed to familiarize student mechanics with the construction, theory of operation, and maintenance of aircraft powerplants. Reprinted in 1973. (\$6.05 GPO.) TD 4.408:A1 7/3.

65-13A FAA Inspection Authorization Directory (4-18-74).

Provides a new directory of all FAA certificated mechanics who hold an inspection authorization as of March 1, 1974.

65-15 Airframe and Powerplant Mechanics Airframe Handbook (9-18-72).

Designed to familiarize student mechanics with airframe construction, repair, and the operating theory of airframe systems. Reprinted in 1973. (\$5.05 GPO.) TD 4.408:A1 7/5.

65-17 Annual Renewal Meeting of Holders of the Inspection Authorization (1-15-73).

Initiates an annual renewal meeting for the holders of the inspection authorization.

65-18 Report Availability on a Survey of the Aviation Mechanics Occupation (9-4-74).

Announces the public availability of the 1974 report on a Survey of the Aviation Mechanics Occupation.

65.95-2B Handbook and Study Guide for Aviation Mechanics Inspection Authorization (10-9-70).

This handbook gives guidance to persons conducting annual and progressive inspections and approving major repairs or alterations of aircraft. While the handbook is primarily intended for mechanics holding or preparing for an Inspection Authorization, it may be useful to aircraft manufacturers and certificated repair stations who have these privileges.

67-1 Medical Information for Air Ambulance Operators (3-4-74).

Provides persons or groups interested or involved in civil air ambulance activities with information governing the transport of patients by air.

67-2 Medical Handbook for Pilots (5-15-74).

An aviation medicine handbook written in pilots language that provides guidance on when, and when not, to fly. Emphasizes the fact that, to be a good pilot, you must be physically fit, psychologically sound, and well trained. De-

signed to complement the Pilots Handbook of Aeronautical Knowledge. (\$1.45 GPO.) TD 4.8:M46/3.

Airspace

SUBJECT No. 70

70-2 Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation and Deactivation of Airports (7-23-73).

Advises those persons proposing to construct, alter, activate or deactivate a civil or joint-use (civil/military) airport, for which Federal aid has not been requested of the Federal Aviation Administration.

70/7460-1D Obstruction Marking and Lighting (4-18-75).

Describes FAA standards on obstruction marking and lighting and establishes the methods, procedures, and equipment types for both aviation red and high-intensity white obstruction lights.

70/7460-2E Proposed Construction or Alteration of Objects that may Affect the Navigable Airspace (7-5-73).

Advises those persons proposing to erect or alter an object that may affect the navigable airspace of the requirement to submit a notice to the Administrator of the Federal Aviation Administration (FAA).

70/7460-3 Petitioning the Administrator for Discretionary Review; Section 77.37, FAR (8-8-68).

Revises and updates information concerning the submission of petitions to the Administrator for review, extension, or revision of determinations issued by regional directors or their designees.

73-1 Establishment of Alert Areas (3-11-68).

Announces the establishment of alert areas and sets forth the procedures which FAA will follow in establishing such areas.

Air Traffic Control and General Operations

SUBJECT No. 90

90-1A Civil Use of U.S. Government Produced Instrument Approach Charts (4-10-68).

Clarifies landing minimums requirements and revises instrument approach charts.

90-5 Coordination of Air Traffic Control Procedures and Criteria (6-13-63).

States Air Traffic Service policy respecting coordination of air traffic procedures and criteria with outside agencies and/or organizations.

90-12A Severe Weather Avoidance (2-21-73).

Warns all pilots concerning flight in the vicinity of known or forecasted severe weather, severe turbulence and hail and advises them that air traffic control facilities, even though equipped with radar, might not always have the capability nor be in a position to provide assistance for circumnavigation of areas of severe weather.

90-14A Altitude—Temperature Effect on Aircraft Performance (1-26-68).

Introduces the Denalt Performance Computer and reemphasizes the hazardous effects density altitude can have on aircraft.

90-20 Weather Radar Radomes (11-12-64).

Highlights some important points to consider in the selection and maintenance of weather radar radomes.

90-23D Wake Turbulence (12-15-72).

Alerts pilots to the hazards of aircraft trailing vortex wake turbulence and recommends related operational procedures.

90-34 Accidents Resulting from Wheelbarrowing in Tricycle Gear Equipped Aircraft (2-27-68).

Explains "wheelbarrowing", the circumstances under which it is likely to occur, and recommended corrective action.

90-38A Use of Preferred IFR Routes (12-29-69).

Outlines the background, intent, and requested actions pertaining to the use of preferred IFR routes.

90-42A Traffic Advisory Practices at Nontower Airports (8-16-72).

Establishes, as good operating practices, procedures for pilots to be apprised of or exchange traffic information, when approaching or departing uncontrolled airports.

90-43C Operations Reservations for High-Density Traffic Airports (11-14-71).

Advises the aviation community of the means for all aircraft operators, except helicopters, scheduled and supplemental air carriers and scheduled air taxis, to obtain a reservation to operate to and/or from designated high-density traffic airports.

AC 90-45A Approval of Area Navigation Systems for Use in the U.S. National Airspace System (2-21-75).

Provides guidelines for implementation of two-dimensional area navigation (2D RNAV) within the U.S. National Airspace System (NAS). Provides for both VOR/DME dependent systems and self-contained systems such as Inertial Navigation Systems (INS).

90-47 Abbreviated Instrument Flight Rules Departure Clearance (3-18-70).

Provides guidance to pilots and operators for participation in the Abbreviated IFR Departure Clearance Program.

90-48 Pilots' Role in Collision Avoidance (3-20-70).

Alerts all pilots to the midair collision and near midair collision hazard and to emphasize those basic problem areas of concern, as related to the human casual factors, where improvements in pilot education, operating practices, procedures, and techniques are needed to reduce midair conflicts.

AC 90-50A VHF Radio Frequency Assignment Plan for Aeronautical Operations (2-7-75).

Describes the civil air traffic control assignment of frequencies in the very high frequency (118-136 MHz) band.

90-51 FAA Motion Picture—"Caution—Wake Turbulence" (11-17-70).

Announces the availability of a new wake turbulence film and encourages its viewing.

90-54A Cruise Clearances (11-27-73).

Provides the aviation community guidance when operating under a "cruise" clearance.

90-58B VOR Course Errors Resulting from 50kHz Channel Selection (9-12-74).

Provides information concerning a potentially hazardous situation when a 200 channel receiver is inadvertently mistuned 50kHz from the frequency of a 100kHz ground station.

90-59 Arrival and Departure Handling of High-Performance Aircraft (2-28-72).

Describes ATC handling of high-performance aircraft in terminal areas.

90-60 Weather Observation Reporting Obscured or Partially Obscured Sky Condition (3-31-72).

Provides pilots with information concerning weather conditions reported by weather observers as obscuration or partial obscuration.

90-62 Flying DME Arcs (1-23-73).

Describes the procedures and techniques for intercepting DME arcs from radials, maintaining DME arcs, and intercepting radials and localizers from DME arcs.

90-63 ATC Procedures for Random Area Navigation Routes (5-8-73).

Provides guidelines and procedures for obtaining approval of random IFR area navigation routes in the U.S. National Airspace System.

90-64 Automated Radar Terminal System (ARTS) III (6-22-73).

Advises the aviation community of the capabilities of the Automated Radar Terminal System and the associated services provided by ARTS III equipped air traffic control facilities.

90-65 Air Traffic Fuel Economy Program (1-18-74).

Advises the aviation community of flow control procedures that will be utilized to conserve aviation fuel during periods when the normal movement of aircraft is disrupted. Also describes actions required of user groups to ensure efficient flow control planning.

AC 90-66 Recommended Standard Traffic Patterns for Airplane Operations at Uncontrolled Airports (2-27-75).

Calls attention to regulatory requirements for the operations of airplanes at uncontrolled airports. Recommends

voluntary use of standard traffic pattern flight procedures.

91-5B Waivers of Subpart B, Part 91 of the Federal Aviation Regulations (FARs) (1-28-72).

Provides information concerning the submission of applications for and the issuance of waivers of Subpart B, FAR Part 91.

91-6 Water, Slush, and Snow on the Runway (1-21-65).

Provides background and guidelines concerning the operation of turbojet aircraft with water, slush, and/or snow on the runway.

91-7 Hazards Associated With In-Flight Use of "Visible-Fluid" Type Cigarette Lighters (3-16-65).

Discusses the potential hazards associated with in-flight use of "visible-fluid" type cigarette lighters.

91-8A Use of Oxygen by General Aviation Pilots/Passengers (8-11-70).

Provides general aviation personnel with information concerning the use of oxygen.

91-9 Potential Hazards Associated With Turbojet Ground Operations (6-19-65).

Alerts turbojet operators and flight crews to potential hazards involving turbojet operations at airports.

91-10A Suggestions for Use of ILS Minima by General Aviation Operators of Turbojet Airplanes (10-8-65).

Provides general aviation operators of turbojet airplanes with information on practices and procedures to be considered before utilizing the lowest published IFR minima prescribed by FAR Part 97 and provides information on pilot-in-command experience, initial and recurrent pilot proficiency, and airborne airplane equipment.

91-11A Annual Inspection Reminder (12-3-69).

Provides the aviation community with a uniform visual reminder of the date an annual inspection becomes due. (Reference section 91.169(a) (1) of the FAR's.)

91.11-1 Guide to Drug Hazards in Aviation Medicine (7-19-63).

Lists all commonly used drugs by pharmacological effect on airmen with side effects and recommendations. Reprinted 1970. (\$1.15 GPO.) FAA 7.9:D 84.

91-12B Required Inspection for Aircraft Operating Under FAR Parts 121, 123, 127, or 135 and Reverting to General Operation Under FAR Part 91 (12-9-70).

Describes acceptable methods for complying with the required inspections set forth in FAR Part 91.

91-13A Cold weather Operation of Aircraft (1-2-70).

Provides background and guidelines relating to operation of aircraft in the colder climates where wide temperature changes may occur.

91-14B Altimeter Setting Sources (10-1-71).

Provides the aviation public, industry, and FAA field personnel with guidelines for setting up reliable altimeter setting sources.

91-15 Terrain Flying (2-2-67).

A pocket-size booklet designed as a tool for the average private pilot. Contains a composite picture of the observations, opinions, warnings, and advice from veteran pilots who have flown this vast land of ours that can help to make flying more pleasant and safer. Tips on flying into Mexico, Canada, and Alaska. (\$1.40 GOP.) TD 4.2:T27.

9-16 Category II Operations—General Aviation Airplanes (3-7-67).

Sets forth acceptable means by which Category II operations may be approved in accordance with FAR Parts 23, 25, 81, 91, 97, and 135.

91-17 The Use of View Limiting Devices on Aircraft (2-20-68).

Alerts pilots to the continuing need to make judicious and cautious use of all view limiting devices on aircraft.

91-21 Inspection Schedule—for Handley-Page Model HP-137 (4-24-69).

Provides information for use by persons planning to develop an inspection schedule for the Handley-Page Model HP-137 aircraft.

91-22A Altitude Alerting Devices/Systems (12-23-71).

Provides guidelines for designing, installing, and evaluating altitude alerting systems.

91-23 Pilot's Weight and Balance Handbook (5-6-69).

Provides an easily understood text on aircraft weight and balance for pilots who need to appreciate the importance of weight and balance control for safety of flight. Progresses from an explanation of basic fundamentals to the complete application of weight and balance principles in large aircraft operations. Reprinted in 1972 (\$1.25 GPO.) TD 4.408:P 64/3.

91-24 Aircraft Hydroplaning or Aquaplaning on Wet Runways (9-4-69).

Provides information to the problem of aircraft tires hydroplaning on wet runways.

91-25A Loss of Visual Cues During Low Visibility Landings (6-22-72).

Provides information concerning the importance of maintaining adequate visual cues during the descent below MDA or DA.

91-26 Maintenance and Handling of Air-Driven Gyroscopic Instruments (10-29-69).

Advises operators of general aviation aircraft of the need for proper maintenance of air-driven gyroscopic instruments and associated air filters.

91-27A Systemworthiness Analysis Program—General Aviation (12-16-70).

Explains the purpose and applicability of the Systems Worthiness Analysis Program (SWAP) to certificated air taxis, repair stations, pilot and aviation maintenance technician schools that are operated under the privileges of certificates issued by the Federal Aviation Administration.

91-28 Unexpected Opening of Cabin Doors (12-23-69).

Outlines the importance of assuring that cabin doors are properly closed prior to takeoff.

91-32 Safety in and Around Helicopters (5-7-71).

Provides suggestions to improve helicopter safety by means of acquainting nonflight crew personnel and passengers with the precautions and procedures necessary to avoid undue hazards.

91-33 Use of Alternate Grades of Aviation Gasoline for Grade 80/87 (10-6-71).

Provides information relating to the use of alternate grades of aviation gasoline when grade 80/87 is not available, and the resultant effects of the use of the alternate fuels which may have higher TEL (tetraethyl lead) content.

91-34 Model Aircraft Operating Standards (7-1-72).

Outlines safety standards for operators of model aircraft, and encourages voluntary compliance with these standards.

91-35 Noise, Hearing Damage, and Fatigue in General Aviation Pilots (3-28-72).

Aquaints pilots with the hazards of regular exposure to cockpit noise. Especially pertinent are piston-engine, fixed-wing, and rotary-wing aircraft.

91-36A VFR Flight Near Noise-Sensitive Areas (7-9-74).

Encourages pilots making VFR flights near noise-sensitive areas to fly at altitudes higher than the minimum permitted by regulation. National Park areas now included.

91-37 Truth in Leasing (11-9-72).

Provides information and guidance for leasees and conditional buyers of U.S. registered large civil aircraft.

91-38 Large and Turbine-Powered Multiengine Airplanes, Part 91, Subpart D (12-13-72).

Sets forth guidelines and procedures to assist operators of large and turbine-powered multiengine airplanes in meeting the safety requirements of FAR, Part 91, Subpart D.

91-39 Recommended Noise Abatement Takeoff and Departure Procedure for Civil Turbojet Powered Airplanes (1-18-74).

Illustrates the recommended noise abatement takeoff and departure procedure for civil turbojet powered airplanes.

91-40 Terminal Control Area (TCA) Radar Outage (1-17-74).

Explains the service that will be provided by Air Traffic Control to aircraft in a terminal control area when a radar outage occurs.

91-41 Ground Operational Procedures for Aircraft Engine Emission Reduction and Fuel Conservation (3-12-74).

Recommends ground operational procedures that will minimize air pollution from aircraft ground operations and conserve fuel.

91.29-1 Special Structural Inspections (1-8-68).

Discusses occurrences which may cause structural damage affecting the airworthiness of aircraft.

91.83-1A Canceling or Closing Flight Plans (3-25-75).

Outlines the need for canceling or closing flight plans promptly to avoid costly search and rescue operations.

91.83-2 IFR Flight Plan Route Information (2-16-66).

Clarifies the air traffic control needs for the filing of route information in an IFR (Instrument Flight Rules) flight plan.

95-1 Airway and Route Obstruction Clearance (6-17-65).

Advises all interested persons of the airspace areas within which obstruction clearance is considered in the establishment of Minimum En Route Instrument Altitudes (MEA's) for publication in FAR Part 95.

99-1 Security Control of Air Traffic (1-12-72).

Provides civil aviation with recommended practices for operating aircraft within or penetrating an Air Defense Identification Zone (ADIZ).

101-1 Waivers of Part 101, Federal Aviation Regulations (1-13-64).

Provides information on submission of applications and issuances of waivers to FAR Part 101.

103-2 Information Guide for Air Carrier Handling of Radioactive Materials (7-23-70).

Aquaints air carrier industry and in particular, air freight handling personnel, with the essential requirements and practical application of the various regulations pertaining to the handling and transportation of radioactive materials.

103-3 Information Guide for Training Programs and Manual Requirements in the Air Transportation of Dangerous Articles and Magnetized Materials (10-10-73).

Provides air carriers and air taxi/commercial operators with information concerning recent revisions to FAR Parts 103, 121, and 135 requiring the establishment of manuals and training of personnel in the air transportation of dangerous articles and magnetized materials.

103-4 Hazard Associated with Sublimation of Solid Carbon Dioxide (Dry Ice) Aboard Aircraft (5-1-74).

Discusses the potential hazard associated with the sublimation of dry ice aboard aircraft. Precautionary measures and simple rules of thumb are indicated in order to preclude environmentally hazardous conditions affecting crews and passengers aboard aircraft.

103-5 Preparation and Loading of Magnetron Tubes and Magnetic Materials for Air Shipments (7-16-74).

Provides information relevant to the preparation and loading of magnetron tubes and magnetic materials for shipment in civil aircraft.

105-2 Sport Parachute Jumping (9-6-68).

Provides suggestions to improve sport parachuting safety; information to assist parachutists in complying with FAR Part 105; and a list of aircraft which may be operated with one cabin door removed, including the procedures for obtaining FAA authorization for door removal.

107-1 Aviation Security—Airports (5-19-72).

Furnishes guidance to those individuals and organizations having responsibilities under Part 107 of the Federal Aviation Regulations. It also provides recommendations for establishing and improving security for restricted or critical facilities and areas the security of which is not dealt with in Part 107.

Air Carrier and Commercial Operators and Helicopters

SUBJECT NO. 120

120-2A Precautionary Propeller Feathering To Prevent Runaway Propellers (8-20-63).

Emphasizes the need for prompt feathering when there is an indication of internal engine failure.

120-5 High Altitude Operations in Areas of Turbulence (8-26-63).

Recommends procedures for use by jet pilots when penetrating areas of severe turbulence.

120-7A Minimum Altitudes for Conducting Certain Emergency Flight Training Maneuvers and Procedures (7-27-70).

Issued to emphasize to all air carriers and other operators of large aircraft the necessity for establishing minimum altitudes above the terrain or water when conducting certain simulated emergency flight training maneuvers.

120-12 Private Carriage Versus Common Carriage by Commercial Operators Using Large Aircraft (6-24-64).

Provides guidelines for determining whether current or proposed transportation operations by air constitute private or common carriage.

120-13 Jet Transport Aircraft Altitude Instrument Systems (6-26-64).

Provides information about the characteristics of some altitude instrument systems presently installed in some jet transport aircraft.

120-16A Continuous Airworthiness Program (9-11-69).

Provides air carriers and commercial operators with guidance and information pertinent to certain provisions of Federal Aviation Regulations Parts 121 and 127.

120-17 Handbook for Maintenance Control by Reliability Methods (12-31-64).

Provides information and guidance materials which may be used to design or develop maintenance reliability programs which include a standard for determining the time limitations.

120-17 CH1 (6-24-66).

120-17 CH2 (5-6-68).

120-26C Civil Aircraft Operator Designators (9-28-72).

Revises the criteria and states the procedures for the assignment of a designator and a corresponding air/ground call sign to civil aircraft operators engaged in domestic services on a repetitive basis.

120-27 Aircraft Weight and Balance Control (10-15-68).

Provides a method and procedures for weight and balance control.

120-27 CH1 (11-20-73).

Adds Part 123 to subject circular.

120-28A Criteria for Approval of Category IIIa Landing Weather Minima (12-14-71).

States an acceptable means, not the only means, for obtaining approval of Category IIIa minima and the installation approval of the associated airborne systems.

120-28A CH1 (1-18-73).

Revises the CAT IIIa Landing Weather Minima maintenance requirements of paragraph 8 to make them consistent with the requirements for CAT Ila.

120-29 Criteria for Approving Category I and Category II Landing Minima for FAR 121 Operators (9-25-70).

Sets forth criteria used by FAA in approving turbojet landing minima of less than 300-3/4 or RVR 4,000 (Category I) and Category II minima for all aircraft.

120-29 CH1 (12-15-71).

Revises Appendix 1 and deletes statement in Appendix 2 regarding 19-foot criteria (does not apply when using an approved automatic landing system).

120-29 CH2 (7-26-72).

Clarifies the airborne system evaluation by stressing the necessity for meeting maintenance program requirements.

120-29 CH3 (12-3-74).

Outlines the recent change in FAR Part 121 wherein both initial and recur-

rent pilot qualification for both Category I and II proficiency checks may be performed in a visual simulator.

121-1A Standard Operations Specifications—Aircraft Maintenance Handbook (6-26-73).

Provides procedures acceptable to the Federal Aviation Administration which may be used by operators when establishing inspection intervals and overhaul times.

121-1A CH1 (1-23-75).

Updates the overhaul and inspection/check period of selected airframes, powerplants, propellers, and appliances in relation to current industry standards.

121-3N Maintenance Review Board Reports (6-7-73).

Revises the list of Maintenance Review Board Reports that are currently in effect.

121-6 Portable Battery-Powered Megaphones (1-5-66).

Sets forth an acceptable means for complying with rules (applicable to various persons operating under Part 121 of the Federal Aviation Regulations) that prescribe the installation of approved megaphones.

121-12 Wet or Slippery Runways (8-17-67).

Provides uniform guidelines in the application of the "wet runway" rule by certificate holders operating under FAR 121.

121-13 Self-Contained Navigation Systems (Long Range) (10-14-69).

States an acceptable means, not the only means, of compliance with the referenced sections of the FAR as they apply to persons operating under Parts 121 or 123 who desire approval of Doppler RADAR navigation systems or Inertial Navigation Systems (INS) for use in their operations.

121-13 CH1 (7-31-70).

Assures standardization of the Minimum Equipment List (MEL) with respect to Inertial Navigation Systems (INS) through the appropriate Flight Operations Evaluation Board (FOEB).

121-13 CH2 (12-21-70).

Permits all flight training for Doppler and INS qualification, to be completed in a simulator or training device approved for conducting the required pilot training and qualifications in the use of these systems.

121-14 Aircraft Simulator Evaluation and Approval (12-19-69).

Sets forth one means that would be acceptable to the Administrator for approval of aircraft simulators or other training devices requiring approval under section 121.407.

121-16 Maintenance Certification Procedures (11-9-70).

Provides guidance for the preparation of an Operations Specification—Preface Page which will afford nominal and

reasonable relief from approved service and overhaul time limits when a part is borrowed from another operator.

121-17 Aviation Security: Certain Air Carriers and Commercial Operators—Security Programs and Other Requirements (3-14-72).

Provides general information regarding the requirements of FAR Amdt. 121-85.

121.195(d)-1 Alternate Operational Landing Distances for Wet Runways; Turbojet Powered Transport Category Airplanes (11-19-65).

Sets forth an acceptable means, but not the only means, by which the alternate provision of section 121.195(d) may be met.

123-1 Air Travel Clubs (10-17-68).

Sets forth guidelines and procedures to assist air travel clubs using large aircraft in meeting safety requirements of FAR Part 123.

135.144-1 Small Propeller-Driven Air Taxi Airplanes That Meet Section 135.144 (4-13-72).

Provides a summary of and information on small propeller-driven air taxi airplanes that comply with section 135.144 and may continue operations under FAR Part 135 after May 31, 1972, with 10 or more passenger seats.

135.155-1 Alternate Static Source for Altimeters and Airspeed and Vertical Speed Indicators (2-16-65).

Sets forth an acceptable means of compliance with provision in FAR Part 135 and Part 23 dealing with alternate static sources.

135-1A Air Taxi Aircraft Weight and Balance Control (9-26-69).

Provides a method and procedures for developing a weight and balance control system for small aircraft operating in the air taxi fleet under FAR Part 135.

135-2A Air Taxi Operators of Large Aircraft (11-16-73).

Provides guidelines for use by air taxi operators or applicants who desire to obtain authorization to operate large aircraft (more than 12,500 pounds maximum certificated takeoff weight) in air taxi operations.

135-3A Air Taxi Operators and Commercial Operators of Small Aircraft (1-16-75).

Sets forth guidelines and procedures to assist persons in complying with the requirements of Federal Aviation Regulations, Part 135.

135-4 Security Measures and Passenger Screening for Scheduled Air Taxi Commercial Operators (1-22-75).

Advises interested ATCOs of the availability of operations specifications whereby they may implement security procedures to improve their security and facilitate passenger operation.

135.60-1 Aircraft Inspection Programs (5-1-70).

Provides information for use by air taxi operators and commercial operators of small aircraft developing an aircraft inspection program for FAA approval.

137-1 Agricultural Aircraft Operations (11-29-65).

Explains and clarifies the requirements of FAR Part 137 and provides additional information, not regulatory in nature, which will assist interested persons in understanding the operating privileges and limitations of this Part.

139.12-1 Airport Operations Specifications (2-3-75).

Presents guidelines to assist airport operators in developing airport operations specifications in compliance with the requirements of amended FAR Part 139.

139.49-1 Programs for Training of Fire Fighting and Rescue Personnel (11-12-74).

Outlines suggested training programs for airport fire fighting and rescue personnel involved in operating airport fire fighting and rescue equipment and the principles of aircraft fire fighting and rescue techniques.

Schools and Other Certificated Agencies

SUBJECT NO. 140

140-1G Consolidated Listing of FAA Certificated Repair Stations (2-27-74).

Provides a revised directory of all FAA certificated repair stations as of November 1973.

140-2I List of Certificated Pilot Flight and Ground Schools (7-12-74).

Provides a list of FAA certificated pilot flight and ground schools as of June 30, 1974.

140-3B Approval of Pilot Training Courses Under Subpart D of Part 141 of the FAR (1-8-70).

The title is self-explanatory.

140-5 Radio Maintenance Technician School Curriculum (8-11-71).

Provides information on curriculum subjects for persons desiring to establish radio maintenance technician training courses.

141-1 Pilot School Certification (8-29-74).

Sets forth guidelines to assist persons in obtaining a pilot school certificate and associated ratings under FAR Part 141 (revised).

141-2 Written Tests Prepared by Pilot Schools With Examining Authority Under Part 141 (Revised) of the Federal Aviation Regulations (9-18-74).

Provides guidance to FAR Part 141 Pilot Schools with examining authority in developing final written tests for FAA

certificates and ratings which are equal in scope, depth, and difficulty to comparable written tests prescribed by the Administrator. Also prescribes procedures for administering, maintaining security of, and replacing those tests.

143-1D Ground Instructor Written Test Guide—Basic & Advanced (4-18-74).

Outlines the scope of basic knowledge requirements for a ground instructor; outlines source material to obtain this knowledge; presents a sample test with answers and explanations. (\$2.25 GPO.) TD 4.408:G91.

143-2B Ground Instructor—Instrument—Written Test Guide (6-25-70).

Provides information to applicants for the instrument ground instructor rating about the subject areas covered in the examination and illustrated by a study outline, a list of study materials, and a sample examination with answers. (\$1.30 GPO.) TD 4.8:G 91/971.

145.101-1A Application for Air Agency Certificate—Manufacturer's Maintenance Facility (3-10-69).

Explains how to obtain a repair station certificate.

147-2N Directory of FAA Certificated Aviation Maintenance Technician Schools (11-4-74).

Provides a revised directory of all FAA certificated aviation maintenance technician schools as of September 30, 1974.

147-3 Phase III, A National Study of the Aviation Mechanics Occupation (3-22-71).

Announces the availability for purchase by the public of a reprint of a report of Phase III, A National Study of the Aviation Mechanics Occupation.

147-4 Reports Availability of a Survey of Text Materials Used in Aviation Maintenance Technician Schools (9-3-74).

Announces the public availability of the 1974 report on A Survey of Test Materials Used in Aviation Maintenance Technician Schools.

149-2G Listing of Federal Aviation Administration Certificated Parachute Lofts (4-2-74).

Provides a revised listing of all FAA certificated parachute lofts as of March 1, 1974.

Airports

SUBJECT NO. 150

AIRPORT PLANNING

150/5000-1 Cancellation of Obsolete Publications Issued by Standards Division, Airports Service (4-17-70).

Cancels outstanding airport engineering data sheets, technical standard orders, airport engineering bulletins, and miscellaneous publications that are no longer current and to direct the reader to a new source of information, where applicable.

150/5000-3B Address List for Regional Airports Divisions and Airport District Offices (10-26-73).

Transmits the address list for all regional Airports Divisions and Airport District Offices.

150/5000-3B CH 1 (10-31-74).

Transmits corrected addresses and telephone numbers for the subject AC.

150/5050-2 Compatible Land Use Planning in the Vicinity of Airports (4-13-67).

Advises Federal Aviation Administration personnel, local government officials and the public of the availability of the following two reports prepared under the auspices of the FAA by the firm of Transportation Consultants, Inc. *Compatible Land Use Planning On and Around Airports, and Aids Available for Compatible Land Use Planning Around Airports.*

150/5050-3A Planning the State Airport System (June 1972).

Provides general guidance in preparing a State airport system plan. (\$2.50 GPO.) TD 4.8:AI 7/29.

150/5060-1A Airport Capacity Criteria Used in Preparing the National Airport Plan (7-8-68).

Presents the method used by the Federal Aviation Administration for determining when additional runways, taxiways, and aprons should be recommended in the National Airport Plan. The material is also useful to sponsors and engineers in developing Airport Layout Plans and for determining when additional airport pavement facilities should be provided to increase aircraft accommodation capacity at airports.

150/5060-3A Airport Capacity Criteria Used in Long-Range Planning (12-24-69).

Describes the method used by the Federal Aviation Administration for determining the approximate practical hourly and practical annual capacities of various airport runway configurations and is used in long-range (10 years or more) planning for expansion of existing airports and construction of new airports to accommodate forecast demand.

150/5070-3 Planning the Airport Industrial Park (9-30-65).

Provides guidance to communities, airport boards, and industrial developers for the planning and development of Airport Industrial Parks.

150/5070-5 Planning the Metropolitan Airport System (5-22-70).

Gives guidance in developing airport-system plans for large metropolitan areas. It may be used by metropolitan planning agencies and their consultants in preparing such system plans and by the FAA in reviewing same. (\$2.00 GPO.) TD 4.108:M56/2.

150/5070-6 Airport Master Plans (2-5-71).

Provides guidance for the preparation of individual airport master plans as

provided for under the Airport Airway Development Act of 1970. (\$2.00 GPO.) TD 4.108:P69.

150/5090-2 National Airport Classification System (Airport System Planning) (6-25-71).

Sets forth the new national airport classification system. The system is designed for use in the identification and classification of airports within the National System of Airports and for use as a planning tool in long-range airport system planning.

FEDERAL-AID AIRPORT PROGRAMS

150/5100-3A Federal-aid Airport Program-Procedures Guide for Sponsors (9-20-68).

Provides guidance to public agencies that sponsor or propose to sponsor projects under the Federal-aid Airport Program (FAAP) authorized by the Federal Airport Act.

150/5100-3A CH 1 (11-28-69).

Transmits revised pages to subject advisory circular.

150/5100-5 Land Acquisition in the Federal-aid Airport Program (1-30-69).

Provides general information to sponsors of airport development projects under the Federal-aid Airport Program on the eligibility of land acquisition and extent of Federal participation in land acquisition costs.

150/5100-6A Labor Requirements for Airport Development Aid Program (ADAP) Contracts (1-31-73).

Covers the basic labor requirements for the Airport Development Aid Program.

150/5100-6A CH 1 (3-16-73).

Transmits a revision to delete page 3-1 from subject Advisory Circular.

150/5100-7A Requirement for Public Hearing in the Airport Development Aid Program (2-25-72).

Provides guidance to sponsors of airport development projects under the Airport Development Aid Program (ADAP) on the necessity for and conduct of public hearings.

150/5100-8 Request for Aid; Displaced Persons; Public Hearings; Environmental Considerations; Opposition to the Project (1-19-71).

Provides general guidance on the information and coordination required in support of a request for aid for an airport development project under the Airport and Airway Development Act of 1970.

150/5100-9 Engineering Services Under the Airport Development Aid Program (ADAP) (7-1-72).

Provides guidance for airport sponsors and Federal Aviation Administration offices in the definition, selection, review, and approval of engineering services used under subject program.

150/5100-10 Accounting Records Guide for Airport Development Aid Program Sponsors (5-15-72).

Assists sponsors of Airport Development Aid Program (ADAP) projects in maintaining accounting records that will satisfy the recordkeeping and auditing requirements which are necessary to support claims for progress and final payments under the Airport and Airway Development Act of 1970 (Public Law 91-258).

150/5100-11 Land Acquisition and Relocation Assistance Under the Airport Development Aid Program (2-10-75).

Provides guidance to sponsors of airport development projects under the Airport Development Aid Program to meet the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (Public Law 91-646).

SURPLUS AIRPORT PROPERTY CONVEYANCE PROGRAMS

150/5150-2A Federal Surplus Personal Property for Public Airport Purposes (8-3-73).

Acquaints public airport owners and other interested parties with the Federal Surplus Personal Property Program for public airports and to outline procedures to be used in applying for and acquiring surplus personal property for this purpose.

150/5150-2A CH 1 (2-21-74).

Adds material to paragraph 24, Chapter 8, which was inadvertently omitted in the Advisory Circular during preparation.

AIRPORT COMPLIANCE PROGRAM

150/5190-1 Minimum Standards for Commercial Aeronautical Activities on Public Airports (8-18-66).

Gives to owners of public airports information helpful in the development and application of minimum standards for commercial aeronautical activities.

150/5190-2A Exclusive Rights at Airports (4-4-72).

Makes available to public airport owners, and to other interested persons, basic information and guidance on FAA's policy regarding exclusive rights at public airports on which Federal funds, administered by FAA, have been expended.

150/5190-2A CH 1 (10-2-72).

Deletes the reference to the sale of aeronautical charts by the National Ocean Survey (formerly the U.S. Coast Guard and Geodetic Survey) and to encourage airport owners to obtain UNICOM license in their own names and make these facilities available to all fixed base operators.

150/5190-3A Model Airport Hazard Zoning Ordinance (9-19-72).

Provides a model airport hazard zoning ordinance for airports. The model ordinance is intended merely as a guide to control manmade and natural hazards

to aircraft and will require modifications and revisions to meet the varying circumstances and the state and local laws.

AIRPORT SAFETY—GENERAL

150/5200-3A Bird Hazards to Aircraft (3-2-72).

Transmits to the aviation public the latest published information concerning the reduction of bird strike hazards to aircraft in flight and in the vicinity of airports.

150/5200-4 Foaming of Runways (12-21-66).

Discusses runway foaming and suggests procedures for providing this service.

150/5200-5 Considerations for the Improvement of Airport Safety (2-2-67).

Emphasizes that, in the interest of accident/incident prevention, airport management should conduct self-evaluations and operational safety inspections. An exchange of information and suggestions for the improvement of airport safety is also suggested.

150/5200-6A Security of Aircraft at Airports (6-28-68).

Directs attention to the problem of pilferage from aircraft on airports and suggests action to reduce pilferage and the hazards that may result therefrom.

150/5200-7 Safety on Airports During Maintenance of Runway Lighting (1-24-68).

Points out the possibility of an accident occurring to airport employees caused by electrocution.

150/5200-8 Use of Chemical Controls to Repel Flocks of Birds at Airports (5-2-68).

Acquaints airport operators with new recommendations on the use of chemical methods for dispersing flocks of birds.

150/5200-9 Bird Reactions and Scaring Devices (6-26-68).

Transmits a report on bird species and their responses and reactions to scaring devices.

150/5200-11 Airport Terminals and the Physically Handicapped (11-27-68).

Discusses the problems of the physically handicapped air traveler and suggests features that can be incorporated in modification or new construction of airport terminal buildings.

150/5200-12 Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident (8-7-69).

Furnishes general guidance for employees of airport management and other personnel responsible for firefighting and rescue operations, at the scene of an aircraft accident, on the proper presentation of evidence.

150/5200-13 Removal of Disabled Aircraft (8-27-70).

Discusses the responsibility for disabled aircraft removal and emphasizes the need for prearranged agreements, plans, equipment, and improved coordination for the expeditious removal of disabled aircraft from airport operating areas. It also illustrates some of the various methods used, equipment employed, equipment available, and concepts for aircraft recovery.

150/5200-14 Results of 90-Day Trial Exercise on Fire Department Activity (9-8-70).

Transmits statistical data collected during a 90-day trial exercise conducted to determine the relationship between aircraft fire and rescue service activities and airport aeronautical operations.

150/5200-15 Availability of the International Fire Service Training Association's (IFSTA) Aircraft Fire Protection and Rescue Procedures Manual (9-11-70).

Announces the availability of the subject manual.

150/5200-16 Announcement of Report AS-71-1 "Minimum Needs for Airport Fire Fighting and Rescue Services" Dated January 1971 (4-13-71).

Announces the availability of the subject report and describes how to get it.

150/5200-17 Emergency Plan (2-5-72).

Contains guidance material for airport management to use in developing an emergency plan at civil airports.

150/5200-17 CH-1 (6-28-74).

Provides additional guidance on care and services for uninjured aircraft passengers.

150/5200-18 Airport Safety Self-Inspection (2-5-72).

Suggests functional responsibility, procedures, a checklist, and schedule for an airport safety self-inspection.

150/5200-19 Availability of Report No. FAA-RD-71-20 "An Analysis of Airport Snow Removal and Ice Control" dated March 1971 (11-23-71).

Announces the availability of subject report.

150/5200-21 Announcing the Availability of U.S. Air Force Technical Order (T.O. 00-105-9) Aircraft Emergency Rescue Information (5-23-73).

Explains the nature of the Technical Order and tells how it can be obtained by airport fire departments which are under the Airport Certification Program.

150/5210-2 Airport Emergency Medical Facilities and Services (9-3-64).

Provides information and advice so that airports may take specific voluntary preplanning actions to assure at least

minimum first-aid and medical readiness appropriate to the size of the airport in terms of permanent and transient personnel.

150/5210-4 FAA Aircraft Fire and Rescue Training Film, "Blanket for Survival" (10-27-65).

Provides information on the purpose, content, and availability of the subject training film.

150/5210-5 Painting, Marking, and Lighting of Vehicles Used on an Airport (8-31-66).

Makes recommendations concerning safety, efficiency, and uniformity in the interest of vehicles used on the aircraft operational area of an airport.

150/5210-6B Aircraft Fire and Rescue Facilities and Extinguishing Agents (1-26-73).

Outlines scales of protection considered as the recommended level compared with the minimum level in Federal Aviation Regulation Part 139.49 and tells how these levels were established from test and experience data.

150/5210-6B CH 1 (8-22-73).

Issues new guidance under paragraph 9, and paragraph 12 of subject advisory circular.

150/5210-6B CH 2 (5-21-74).

Includes details on the basic purpose, care, and cleaning of proximity suits. Adds a new chapter 5—contains criteria intended for use in purchasing off-the-shelf design proximity suits.

150/5210-7A Aircraft Fire and Rescue Communications (3-16-72).

Provides guidance information for use by airport management in establishing communication and alarm facilities by which personnel required to respond to and function at aircraft ground emergencies may be alerted and supplied with necessary information.

150/5210-8 Aircraft Firefighting and Rescue Personnel and Personnel Clothing (1-13-67).

Provides guidance concerning the manning of aircraft fire and rescue trucks, the physical qualifications that personnel assigned to these trucks should meet, and the protective clothing with which they should be equipped.

150/5210-9 Airport Fire Department Operating Procedures During Periods of Low Visibility (10-27-67).

Suggests training criteria which airport management may use in developing minimum response times for aircraft fire and rescue trucks during periods of low visibility.

150/5210-10 Airport Fire and Rescue Equipment Building Guide (12-7-67).

This title is self-explanatory.

150/5210-11 Response to Aircraft Emergencies (4-15-69).

Inform airport operators and others of an existing need for reducing aircraft firefighting response time, and outlines a uniform response time goal of 2 minutes within aircraft operational areas on airports.

150/5210-12 Fire and Rescue Service for Certificated Airports (3-2-72).

Furnishes guidance and explains to Federal Aviation Administration (FAA) airport inspectors and airport management the minimum criteria to be applied when evaluating the aircraft fire and rescue service required at an airport for its compliance with the requirements of FAR Part 139.

150/5210-13 Water Rescue Plans, Facilities, and Equipment (5-4-72).

Suggests planning procedures, facilities, and equipment to effectively perform rescue operations when an aircraft lands in a body of water, swamp, or tidal area where normal aircraft firefighting and rescue service vehicles are unable to reach the accident scene.

150/5220-1 Guide Specification for a Light-Weight Airport Fire and Rescue Truck (7-24-64).

Describes a vehicle with performance capabilities considered as minimum for an acceptable light rescue truck.

150/5220-4 Water Supply Systems for Aircraft Fire and Rescue Protection (12-7-67).

The title is self-explanatory.

150/5220-6 Guide Specification for 1,000-Gallon Tank Truck (4-10-68).

Assists airport management in the development of local procurement specifications.

150/5220-9 Aircraft Arresting System for Joint Civil/Military Airports (4-6-70).

Updates existing policy and describes and illustrates the various types of military aircraft emergency arresting systems that are now installed at various joint civil/military airports. It also informs users of criteria concerning installations of such systems at joint civil/military airports.

150/5220-10 Guide Specification for Water/Foam Type Aircraft Fire and Rescue Trucks (5-26-72).

Assists airport management in the development of local procurement specifications.

150/5220-10 CH 1 (12-4-72).

Replaces information on weight distribution and fire pump engines which was omitted when the subject circular was developed, consolidating information from four other circulars.

150/5220-10 CH 2 (8-22-73).

Expands the guidance under paragraph 14 of subject AC to permit the design of engine systems to operate in freezing temperatures for prolonged periods and to provide devices, insula-

tion materials, etc., to prevent the truck fire fighting system from freezing.

150/5230-3 Fire Prevention During Aircraft Fueling Operations (4-8-69).

This advisory circular provides information on fire preventive measures which aircraft servicing personnel should observe during fueling operations.

150/5240-7 A Fuel/Energy Conservation Guide for Airport Operators (2-19-74).

Identifies potential areas where fuel and energy usage can be conserved to assist airport operators in their voluntary actions in reducing fuel and energy consumption.

150/5280-1 Airport Operations Manual (6-16-72).

Sets forth guidelines to assist airport operators in developing an Airport Operations Manual in compliance with the requirements of FAR Part 139.

150/5280-2 Guidance for Airport Operators—Use of Notices to Airmen as Related to FAR Part 139 (2-12-74).

Provides the airport operator with guidance on Notices to Airmen and assists him in understanding the system in relation to the requirements of FAR Part 139.

DESIGN, CONSTRUCTION, AND MAINTENANCE—GENERAL**150/5300-2C Airport Design Standards—Site Requirements for Terminal Navigational Facilities (9-21-73).**

Provides information regarding the relative location and siting requirements for the terminal navigation facilities located on or close to an airport.

150/5300-2C CH 1 (3-1-74).

Transmits a revised Fig. 2-12 correcting the guidance for the location of the ILS Middle Marker Beacon.

150/5300-4A Utility Airports—Air Access to National Transportation (5-6-69).

Presents recommendations of the Federal Aviation Administrator for the design of utility airports. These airports are developed for general aviation operations and this guide has been prepared to encourage and guide persons interested in their development. (\$3.15 GPO.) TD 4.8:Al 7/968.

150/5300-4A CH 1 (9-13-73).

Transmits new transverse grade criteria and informs the user of airport design standards of a change in terminology.

150/5300-5 Airport Reference Point (9-26-68).

Defines and presents the method for calculating an airport reference point.

150/5300-6 Airport Design Standards, General Aviation Airports, Basic and General Transport (7-14-69).

Provides recommended design criteria for the development of larger than general utility airports.

150/5300-6 CH 1 (4-13-72).**150/5300-6 CH 2 (4-21-75).****150/5300-7B FAA Policy on Facility Relocations Occasioned by Airport Improvements or Changes (11-8-72).**

Reaffirms the aviation community of the FAA policy governing responsibility for funding relocation, replacement and modification to air traffic control and air navigation facilities that are made necessary by improvements or changes to the airport.

150/5300-8 Planning and Design Criteria for Metropolitan STOL Ports (11-5-70).

Provides the criteria recommended for the planning and design of STOL ports in metropolitan areas.

150/5300-8 CH 1 (4-3-75).

Transmits revised requirements for color coding of threshold and runway end lights on STOL runways.

150/5300-9 Predesign and Preconstruction Conferences (ADAP) Projects (9-10-73).

Emphasizes the need for, and encourages the use of, predesign and preconstruction conferences as valuable tools in the administration of construction contracts funded under the ADAP.

150/5320-5B Airport Drainage (7-1-70).

Provides guidance for engineers, airport managers, and the public in the design and maintenance of airport drainage systems. (\$1.30 GPO.) TD 4.8:D78/970.

150/5320-6B Airport Pavement Design and Evaluation (5-28-74).

Provides guidance to the public for the design and evaluation of pavements at civil airports.

150/5320-6B CH 1 (11-18-74).

Transmits several changes to the basic advisory circular.

150/5320-9 Use of a Friction Measuring Device in Engineering and Maintenance of Airport Pavement Surfaces (9-19-72).

Describes a method for obtaining a rapid, continuous graphic record of airport pavement characteristics, including relative friction values from which the presence of contaminants such as water, snow or ice, reverted rubber, paint and fuel spillage effects can be detected.

150/5320-10 Environmental Enhancement at Airports—Industrial Waste Treatment (4-16-73).

Provides basic information on the nature and treatment of industrial wastes produced at airports.

150/5320-10 CH 1 (11-18-74).**150/5320-11 Runway Categorization—Aeronautical Studies—Airport Owners' Responsibilities (9-21-73).**

Emphasizes the need for airport owners to maintain runway and approach zone categories and locations on file with FAA so they may be given consideration under the regulations of FAR Part 77.

150/5325-2C Airport Design Standards—Air Carrier Airports—Surface Gradient and Line-of-Sight (2-6-75).

Establishes design standards for airports served by certificated air carriers to assist engineers in (1) designing the gradients of airports surface areas used to accommodate the landing, takeoff, and other ground movement requirements of airplanes while (2) providing adequate line of sight between airplanes operating on airports.

150/5325-2C CH 1 (4-21-75).

Transmits revised criteria for unobstructed line-of-sight along individual runways and between intersecting runways.

150/5325-3 Background Information on the Aircraft Performance Curves for Large Airplanes (1-26-65). Consolidated Reprint May 1974. Includes Change 1.

Provides airport designers with information on aircraft performance curves for design which will assist them in an objective interpretation of the data used for runway length determination.

150/5325-4 Runway Length Requirements for Airport Design (4-5-65). Consolidated Reprint August 1974. Includes Changes 1 through 8.

Presents aircraft performance curves and sets forth standards for the determination of runway lengths to be provided at airports. The use of these standards is required for project activity under the Federal-Aid Airport Program when a specific critical aircraft is considered as the basis for the design of a runway.

150/5325-5A Aircraft data (1-12-68).

Presents a listing of principal dimensions of aircraft affecting airport design for guidance in aircraft development.

150/5325-6A Airport Design Standards—Effects and Treatment of Jet Blast (7-13-72).

Presents criteria on the jet engine blast velocities associated with aircraft in common use in air carrier service, the effects of these blast velocities during ground operations, and suggested means to counteract or minimize these effects.

150/5325-8 Compass Calibration Pad (5-8-69).

Provides guidelines for the design, location on the airport, and construction of a compass calibration pad, and basic information concerning its use in determining the deviation error in an aircraft magnetic compass.

150/5330-2A Runway/Taxiway Widths and Clearances for Airline Airports (7-26-68).

Presents the Federal Aviation Administration recommendations for landing strip, runway, and taxiway widths and clearances at airports served by certificated air carriers.

150-5330-3 Wind Effect on Runway Orientation (5-5-66).

Provides guidance for evaluating wind conditions and determining their effect on the orientation of runways.

150/5335-1A Airport Design Standards—Airports Served by Air Carriers—Taxiways (5-15-70).

Provides criteria on taxiway design for airports served by certificated route air carriers with present airplanes and those anticipated in the near future.

150/5335-1A CH 1 (10-4-73).

Transmits revised pages to the subject advisory circular.

150/5335-2 Airport Aprons (1-27-65).

Provides the criteria for airport aprons which are acceptable in accomplishing a project meeting the eligibility requirements of the Federal-aid Airport Program.

150/5335-3 Airport Design Standards—Airports Served by Air Carriers—Bridges and Tunnels on Airports (4-19-71).

Provides general guidance to those contemplating the construction of a bridge-type structure to allow aircraft to cross over an essential surface transportation mode.

150/5335-3 CH 1 (3-30-73).

Transmits revised pages.

150/5340-1D Marking of Paved Areas on Airports (1-19-73).

Describes standards for marking serviceable runways and taxiways as well as deceptive, closed, and hazardous areas on airports.

150/5340-4B Installation Details for Runway Centerline and Touchdown Zone Lighting Systems (5-6-69).

Describes standards for the design and installation of runway centerline and touchdown zone lighting systems.

150/5340-5A Segmented Circle Airport Marker System (9-10-71).

Sets forth standards for a system of airport marking consisting of certain pilot aids and traffic control devices.

150/5340-8 Airport 51-foot Tubular Beacon Tower (6-11-64).

Provides design and installation details on the subject tower.

150/5340-9 Prefabricated Metal Housing for Electrical Equipment (8-18-64).

Provides design and installation details on the subject metal housing.

150/5340-13B High Intensity Runway Lighting System (3-24-73).

Describes standards for the design, installation, and maintenance of high intensity runway lighting systems.

150/5340-14B Economy Approach Lighting Aids (6-19-70).

Describes standards for the design, selection, siting, and maintenance of economy approach lighting aids.

150/5340-14B CH 1 (6-24-73).

Transmits equipment specifications for an omnidirectional lead in approach light system.

150/5340-14B CH 2 (2-11-75).

Provides equipment specifications for an omnidirectional runway end identifier light system (REIL).

150/5340-15B Taxiway Edge Lighting System (4-4-72).

Describes the recommended standards for the design, installation, and maintenance of a taxiway edge lighting system.

150/5340-16B Medium Intensity Runway Lighting System and Visual Approach Slope Indicators for Utility Airports (10-26-70).

Describes standards for the design, installation, and maintenance of medium intensity runway lighting system (MIRL), and visual approach slope indicators for utility airports.

150/5340-16B CH 1 (8-2-74).

Adds the requirement for split red/green lens on the threshold lights and split white/yellow lens on the edge lights in the caution zone. Appendix I was deleted.

150/5340-17A Standby Power for Non-FAA Airport Lighting Systems (3-19-71).

Describes standards for the design, installation, and maintenance of standby power for nonagency owned airport visual aids associated with the National Airspace System (NAS).

150/5340-18 Taxiway Guidance System (9-27-68).

Describes the recommended standards for design, installation, and maintenance of a taxiway guidance sign system.

150/5340-19 Taxiway Centerline Lighting System (11-14-68).

Describes the recommended standards for design, installation, and maintenance of a taxiway centerline lighting system.

150/5340-20 Installation Details and Maintenance Standards for Reflective Markers for Airport Runway and Taxiway Centerlines (2-17-69).

Describes standards for the installation and maintenance of reflective markers for airport runway and taxiway centerlines.

150/5340-21 Airport Miscellaneous Lighting Visual Aids (3-25-71).

Describes standards for the system design, installation, inspection, testing, and maintenance of airport miscellaneous visual aids; i.e., airport beacons, beacon towers, wind cones, wind tees, and obstruction lights.

150/5340-22 Maintenance Guide for Determining Degradation and Cleaning of Centerline and Touchdown Zone Lights (4-20-71).

Contains maintenance recommendations for determining degradation and cleaning of centerline and touchdown zone lights installed in airport pavement.

150/5340-22 CH 1 (6-23-71).

Transmits a page change to subject advisory circular.

150/5340-23 Guide for Location of Supplemental Wind Cones (8-24-71).

Describes standards for the performance and location of supplemental wind cones.

150/5345-1D Approved Airport Lighting Equipment (4-11-73).

Contains lists of approved airport lighting equipment and manufacturers qualified to supply their product in accordance with the indicated specification requirements.

150/5345-1D CH 1 (11-1-73).

Transmits additions and revisions to the lists of approved equipment and manufacturers.

150/5345-2 Specification for L-810 Obstruction Light (11-4-63).

Required for FAAP project activity.

150/5345-2 CH 1 (10-28-66).

Transmits page changes to the subject advisory circular. This change provides for a new Alloy 360 in the die casting process.

150/5345-3B Specification for L-821 Airport Lighting Panel for Remote Control of Airport Lighting (4-21-72).

Describes the specification requirements for an airport lighting control panel for the remote control of airport lighting circuits and is published by the Federal Aviation Administration for the guidance of the public.

150/5345-4 Specification for L-892 Internally Lighted Airport Taxi Guidance Sign (10-15-63).

Required for FAAP project activity.

150/5345-4 CH 1 (10-28-66).

Transmits page changes to the subject advisory circular. This change provides for a new Alloy 360 in the die casting process.

150/5345-5 Specification for L-847 Circuit Selector Switch, 5,000 Volt 20 Ampere (9-3-63).

Required for FAAP project activity.

150/5345-7B Specification for L-824 Underground Electrical Cables for Airport Lighting Circuits (3-18-71).

Describes the specification requirements for underground electrical cables for airport lighting circuits. Published by the FAA for the guidance of the public.

150/5345-9C Specification for L-819 Fixed Focus Bidirectional High Intensity Runway Lights (12-23-69).

Describes the subject specification requirements and is published by the Federal Aviation Administration for the guidance of the public.

150/5345-10C Specification for L-828 Constant Current Regulators (10-22-71).

Describes the subject specification requirements and is published by the Federal Aviation Administration for the guidance of the public.

150/5345-11 Specification for L-812 Static Indoor Type Constant Current Regulator Assembly, 4 Kw and 7½ Kw, With Brightness Control for Remote Operations (3-2-64).

Required for FAAP project activity.

150/5345-12A Specification for L-801 Beacon (5-12-67). Consolidated Reprint November 1974. Includes Change I.

Describes the subject specification requirements.

150/5345-13 Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (1-6-64).

Required for FAAP project activity.

150/5345-15 Specification for L-842 Airport Centerline Light (1-6-64).

Required for FAAP project activity.

150/5345-16 Specification for L-843 Airport In-Runway Touchdown Zone Light (1-20-64).

Required for FAAP project activity.

150/5345-17 Specification for L-845 Semiflush Inset Prismatic Airport Light (3-3-64).

Describes the subject specification requirements.

150/5345-18 Specification for L-811 Static Indoor Type Constant Current Regulator Assembly, 4 Kw; With Brightness Control and Runway Selection for Direct Operation (3-3-64).

Required for FAAP project activity.

150/5345-18 CH 1 (5-28-64).

Advises that a detail requirement is not applicable to the circular.

150/5345-19 Specification for L-838 Semiflush Prismatic Airport Light (5-11-64).

Describes the subject specification requirements.

150/5345-20 Specification for L-802 Runway and Strip Light (6-24-64). Consolidated reprint September 1974. Includes Changes 1 through 4.

Describes the subject specification requirements.

150/5345-21 Specification for L813 Static Indoor Type Constant Current Regulator Assembly; 4 Kw and 7½ Kw; for Remote Operation of Taxiway Lights (7-28-64).

Describes the subject specification requirements.

150/5345-22 Specification for L-834 Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit (10-8-64).

Describes the subject specification requirements.

150/5345-23 Specification for L-822 Taxiway Edge Light (10-13-64). Consolidated reprint December 1974. Includes Changes 1 through 3.

Describes the subject specification requirements.

150/5345-26A Specification for L-823 Plug and Receptacle, Cable Connectors (5-4-71).

Describes the subject specification requirements.

150/5345-27A Specification for L-807 Eight-foot and Twelve-foot Unlighted or Externally Lighted Wind Cone Assemblies (6-16-69).

Describes the subject specification requirement for a hinged steel pole support, an anodized tapered aluminum hinged base pole support, and an "A" frame fixed support with a pivoted center pipe support.

150/5345-28B Specification for L-851 Visual Approach Slope Indicators and Accessories (2-16-72).

Describes the specification requirements for visual approach slope indicator (VASI) and simple abbreviated visual approach slope indicator (SAVASI) equipment and accessories.

150/5345-29A FAA Specification L-852, Light Assembly, Airport Taxiway Centerline (4-28-71).

Describes FAA Specification L-852, Light Assembly, Airport Taxiway Centerline, for the guidance of the public.

150/5345-30A Specification for L-846 Electrical Wire for Lighting Circuits To Be Installed in Airport Pavements (2-3-67).

Describes, for the guidance of the public, subject specification requirements for electrical wire.

150/5345-31A Specification for L-833 Individual Lamp Series-to-Series Type Insulating Transformer for 600-Volt or 5,000-Volt Series Circuits (4-24-70).

Describes the subject specification requirements and is published by the FAA for the guidance of the public.

150/5345-33 Specification for L-844 Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit 6.6/20 Amperes 200 Watt (1-13-65).

Describes the subject specification requirements.

150/5345-34 Specification for L-839 Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit 6.6/20 Amperes 300 Watt (1-13-65).

Describes the subject specification requirements.

150/5345-36 Specification for L-808 Lighted Wind Tee (2-3-65).

Describes the subject specification requirements.

150/5345-37C FAA Specification L-850, Light Assembly Airport Runway Centerline and Touchdown Zone (6-27-72).

Describes subject light assembly for the guidance of the public.

150/5345-38 Changes to Airport Lighting Equipment (3-23-67).

The title is self-explanatory.

150/5345-39A FAA Specification L-853, Runway and Taxiway Centerline Retroreflective Markers (9-17-71).

Describes specification requirements for L-853 Runway and Taxiway Retroreflective markers, for the guidance of the public.

150/5345-41 Specification for L-855, Individual Lamp, Series-to-Series Type Insulating Transformer for 5,000-Volt Series Circuit, 6.6/6.6 Amperes, 65 Watts (4-24-70).

Describes the subject specification and is published by the FAA for the guidance of the public.

150/5345-42A FAA Specification L-857, Airport Light Bases, Transformer Housing and Junction Boxes (10-4-73).

Describes specification requirements for airport light bases, transformer housing and junction boxes for the guidance of the public.

150/5345-43B FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems (11-1-73).

Contains equipment specifications for high intensity obstruction lighting systems.

150/5345-44A Specification for L-858 Retroreflective Taxiway Guidance Signs (7-20-71).

Describes the specification for retroreflective taxiway guidance signs.

150/5345-45 Lightweight Approach Light Structure (5-10-73).

Presents the specifications for lightweight structures for supporting lights as used in visual navigational aid systems.

150/5355-1A International Signs to Facilitate Passengers Using Airports (11-3-71).

Informs airport authorities of the desirability to provide international signs and diagrammatic maps within terminal buildings and of the need for clearly marked road signs for airports.

150/5355-2 Fallout Shelters in Terminal Buildings (4-1-69).

Furnishes guidance for the planning and design of fallout shelters in airport terminal buildings.

150/5360-1 Airport Service Equipment Buildings (4-6-64).

Provides guidance on design of buildings for housing equipment used in maintaining and repairing operational areas.

150/5360-2 Airport Cargo Facilities (4-6-64).

Provides guidance material on air cargo facilities.

150/5360-3 Federal Inspection Service Facilities at International Airports (4-1-66).

Describes and illustrates recommended facilities for inspection of passengers, baggage, and cargo entering the United States through international airport terminals. The material is for the guidance of architect-engineers and others interested in the planning and design of these airport facilities.

150/5370-2 Safety on Airports During Construction Activity (4-22-64).

Provides guidelines concerning safety at airports during periods of construction activity.

150/5370-4 Procedures Guide for Using the Standard Specifications for Construction of Airports (5-29-69).

Provides guidance to the public in the use and application of the Standard Specifications for Construction of Airports.

150/5370-5A Offshore Airports (2-21-75).

Announces to the public the availability of a two-volume report on offshore airport planning and construction methods and how to obtain the report.

150/5370-6 Construction Progress and Inspection Report—Federal-Aid Airport Program (3-16-70).

Provides for a report on construction progress and inspection of Federal-aid Airport Program (FAAP) projects, suggests a form for the report, and recommends use of the form unless other arrangements exist to obtain the type of information provided by the form.

150/5370-7 Airport Construction Controls To Prevent Air and Water Pollution (4-26-71).

Supplies guidance material on compliance with air and water standards during construction of airports developed under the Airport and Airway Development Act of 1970.

150/5370-8 Grooving of Runway Pavements (3-16-71).

Provides guidance for the design, installation, and maintenance of grooves in runway pavements.

150/5370-9 Slip-Form Paving—Portland Cement Concrete (6-7-73).

Transmits guidance for the construction of Portland Cement Concrete pavements by the slip-form method.

150/5370-10 Standards for Specifying Construction of Airports (10-24-74).

Provides construction standards usually used to specify grading, drainage, paving, lighting, fencing, and turfing items of work on civil airports. (\$7.25 GPO) TD 4.24:974.

150/5380-1 Airport Maintenance (4-14-63).

Provides a basic checklist and suggestions for an effective airport maintenance program.

150/5380-2A Snow Removal Techniques Where In-Pavement Lighting Systems Are Installed (12-24-64).

Provides information on damage to pavement lighting fixtures by snow removal equipment and recommends procedures to avoid such damage.

150/5380-3A Removal of Contaminants from Pavement Surfaces (10-27-70).

Provides information to the aviation industry relative to cleaning rubber deposits, oil, grease, and jet aircraft exhaust deposits from runway surfaces.

150/5380-4 Ramp Operations During Periods of Snow and Ice Accumulation (9-11-63).

Directs attention to an increased accident potential when snow or ice accumulates on the surfaces of ramps and aircraft parking and holding areas and suggests some measures to reduce this potential.

150/5380-5 Debris Hazards at Civil Airports (3-8-71).

Discusses problems of debris at airports, gives information on foreign objects, and tells how to eliminate such objects from operational areas.

150/5390-1A Heliport Design Guide (11-5-69).

Contains design guidance material for the development of heliports, both surface and elevated. (\$1.50 GPO.) TD 4.108:H36.

PLANNING GRANT PROGRAM

150/5900-1A The Planning Grant Program for Airports (9-26-74).

Offers guidance to the sponsors of airport system plans and airport master plans on how to participate in the FAA's Planning Grant Program. It describes the application process and the administrative procedures to be followed in performing planning projects.

Air Navigational Facilities

SUBJECT NO. 170

170-3B Distance Measuring Equipment (DME) (11-8-65).

Presents information on DME and some of its uses to pilots unfamiliar with this navigational aid.

170-6A Use of Radio Navigation Test Generators (3-30-66).

Gives information received from the Federal Communications Commission as to the frequencies on which the FCC will license test generators (used to radiate a radio navigation signal) within the scope of its regulations and gives additional information to assist the user when checking aircraft navigation receivers.

170-3 Use of Common Frequencies for Instrument Landing Systems Located on Opposite Ends of the Same Runway (11-7-66).

In the future, common frequencies may be assigned to like components of two instrument landing systems serving opposite ends of the same runway. This will include the localizers, glide slopes, and associated outer and middle marker compass locators (LOM and LMM).

170-9 Criteria for Acceptance of Ownership and Servicing of Civil Aviation Interest(s) Navigational and Air Traffic Control Systems and Equipment (11-26-68).

Contains a revised FAA policy under which the FAA accepts conditional ownership of equipment and systems from civil aviation interests, without the use of Federal funds, and operates, maintains, and provides the logistic support of such equipment.

170-10 FAA Recommendations to FCC on Licensing of Non-Federal Radio Navigation Aids (10-17-69).

Gives background information and describes the basis for recommendations to be made by the FAA to the Federal Communications Commission (FCC) regarding licensing of radio navigation aids.

170-11 Amendment of Federal Aviation Regulation Part 171 (FAR-171)—Cost of Flight and Ground Inspections (9-17-70).

Alerts the public to the amendment to FAR Part 171 pertaining to the payment of ground and flight inspection charges prior to the issuance of an approved IFR procedure.

170-12 Implementation of 50 KHz/Y Channels for ILS/VOR/DME (10-7-70).

Advises aircraft owners, operators and radio equipment manufacturers of plans for future implementation of split channel assignments in the aeronautical radio navigation bands.

Administrative

SUBJECT No. 180

183-30A FAA Designated Mechanic Examiners Directory (4-10-74).

Provides a revised directory of all FAA designated mechanic examiners as of March 1, 1974.

183-31B FAA Designated Parachute Rigger Examiner Directory (4-2-74).

Provides a new directory of all FAA designated parachute rigger examiners as of March 1, 1974.

183-29-1G Designated Engineering Representatives (7-1-74).

Lists FAA-approved Designated Engineering Representatives who are available for consulting work.

Flight Information

SUBJECT No. 210

210-1 National Notice to Airmen System (2-8-64).

Announces FAA policy for the preparation and issuance of essential flight information to pilots and other aviation interests.

210-3 National Notice to Airmen System—Elimination of NOTAM Code (5-22-70).

Announces changes in criteria and procedures for the Notice to Airmen System required to accommodate the transmission of all domestic Notice to Airmen data in clear contracted language and eliminate use of the NOTAM code on the domestic service A circuits.

211-2 Recommended Standards for IFR Aeronautical Charts (3-20-67).

Sets forth standards recommended by the Federal Aviation Administration for the guidance of the public in the issuance of IFR aeronautical charts for use in the National Airspace System (NAS).

Advisory Circulars For Sale

This List contains those circulars that are sold by the Superintendent of Documents. (See numerical index for appropriate price, sequential lettering, if any, and date, etc.)

- Acceptable Methods, Techniques, and Practices—Aircraft Alterations, AC 43.13-2.
- Acceptable Methods, Techniques, and Practices—Aircraft Inspection and Repair, AC 43.13-1.
- Aircraft Dispatcher Written Test Guide, AC 65-4.
- Airframe and Powerplant Mechanics Airframe Handbook, AC 65-15.
- Airframe and Powerplant Mechanics Certification Guide, AC 65-2.
- Airframe and Powerplant Mechanics Certification Information, AC 65-11.
- Airframe and Powerplant Mechanics—General Handbook, AC 65-9.
- Airframe and Powerplant Mechanics Powerplant Handbook, AC 65-12.
- Airline Transport Pilot—Airplane Practical Test Guide, AC 61-49.
- Airline Transport Pilot (Airplane) Written Test Guide, AC 61-18.
- Airline Transport Pilot (Helicopter) Written Test Guide, AC 61-42.
- Airplane Flight Instructor Written Test Guide, AC 61-11.
- Airport Drainage, AC 150/5330-5.
- Airport Master Plans, AC 150/5070-6.
- Aviation Weather, AC 00-6.
- Basic Glider Criteria Handbook, AC 21-3.
- Basic Helicopter Handbook, AC 61-13.
- Commercial Pilot Airplane Flight Test Guide, AC 61-55.
- Commercial Pilot Written Test Guide, AC 61-28.
- Commercial Pilot Airplane Written Test Guide, AC 61-71.
- Federal Aviation Regulations Written Test Guide for Private, Commercial, and Military Pilots, AC 61-34.
- Flight Engineer Written Test Guide, AC 63-1.
- Flight Instructor Instrument—Airplane—Written Test Guide, AC 61-70.
- Flight Instructor Practical Test Guide, AC 61-14.
- Flight Instructor Practical Test Guide, AC 61-58.
- Flight Instructor Airplane Written Test Guide, AC 61-72.
- Flight Instructor's Handbook, AC 61-16.
- Flight Test Guide—Commercial Pilot, Airplane, AC 61.117-1.
- Flight Test Guide—Gyroplane, Private and Commercial, AC 61-30.
- Flight Test Guide—Helicopter, Private and Commercial Pilot, AC 61-25.
- Flight Test Guide—Instrument Pilot Airplane, AC 61-17.
- Flight Test Guide (Part 61 revised)—Instrument Pilot Airplane, AC 61-56.
- Flight Test Guide—Instrument Pilot Helicopter, AC 61-64.
- Flight Test Guide (Part 61 revised)—Private Airplane, AC 61-54.
- Flight Test Guide—Private Pilot—Airplane—Single Engine, AC 61-3.
- Flight Navigator Written Test Guide, AC 63-2.
- Flight Training Handbook, AC 61-21.
- Forming and Operating a Flying Club, AC 00-25.
- General Aviation Inspection Aids, Summary, AC 20-7.
- Ground Instructor—Instrument—Written Test Guide, AC 143-2.
- Ground Instructor Written Test Guide—Basic and Advanced, AC 143-1.
- Guide to Drug Hazards in Aviation Medicine, AC 91.11-1.
- Helicopter Design Guide, AC 150/5390-1.
- Instrument Flight Instructor Written Test Guide, AC 61-29.
- Instrument Flying Handbook, AC 61-27.
- Instrument Rating (Airplane) Written Test Guide, AC 61-8.
- Medical Handbook for Pilots, AC 67-2.
- Multisengine Airplane Class and Type Rating, AC 61-57.
- Multisengine Airplane Class and Type Rating—Flight Test Guide, AC 61-4.
- Nondestructive Testing in Aircraft, AC 43-3.
- Parachute Rigger Certification Guide, AC 65-5.
- Personal Aircraft Inspection Handbook, AC 20-9.
- Pilot Transition Courses for Complex Single-engine and Light, Twin-engine Airplanes, AC 61-9.
- Pilot's Handbook of Aeronautical Knowledge, AC 61-23.
- Pilot's Weight and Balance Handbook, AC 91-23.
- Planning the Metropolitan Airport System, AC 150/5070-5.
- Planning the State Airport System, AC 150/5050-3.
- Private and Commercial Pilot, Flight Test Guide, AC 61-59.
- Private and Commercial Pilot Glider, Flight Test Guide, AC 61-61.
- Private and Commercial Pilot Gyroplane, Flight Test Guide, AC 61-60.
- Private and Commercial Pilots Refresher Courses, AC 61-10.
- Private Pilot (Airplane) Flight Training Guide, AC 61-2.
- Private Pilot Written Test Guide, AC 61-32.
- Standards for Specifying Construction of Airports, AC 150/5370-10.
- Student Pilot Guide, AC 61-12.
- Terrain Flying, AC 91-15.
- Ultrasonic Nondestructive Testing for Aircraft, AC 43-7.
- U.S. Civil Aircraft Register, AC 20-6.
- Utility Airports—Air Access to National Transportation, AC 150/5300-4.
- Written Test Guide, Flight Instructor—Glider, AC 61-75.
- Written Test Guide, Flight Instructor—Rotorcraft—Helicopter, AC 61-74.

Internal Publications

Contractions Handbook, 7340.1D (10-1-73).

Gives approved word and phrase contractions used by personnel connected with air traffic control, communications, weather, charting, and associated services. (\$8.40—\$10.50 foreign Sub.—GPO.) TD 4.308: C76/97.

Location Identifiers, 7350.4D (5-1-75).

Incorporates all authorized 3-letter location identifiers for special use in United States, worldwide, and Canadian assignments. (\$11.70—\$14.65 foreign Sub.—GPO.) TD 4.310.

En Route Air Traffic Control Handbook, 7110.9D (1-1-75).

Prescribes air traffic control procedures and phraseology for use by personnel providing en route air traffic control service. (\$11.75—\$14.70 foreign Sub.—GPO.) TD 4.308: En1/97.

Terminal Air Traffic Control Handbook, 7110.8D (1-1-75).

Prescribes air traffic control procedures and phraseology for use by personnel providing terminal air traffic control services. (\$15.35—\$19.20 foreign Sub.—GPO.) TD 4.308: T27/97.

Flight Services, 7110.10C (1-1-75).

This handbook consists of two parts. Part I, the basic, prescribes procedures and phraseology for use by personnel providing flight assistance and communications services. Part II, the teletypewriter portion, includes Services A and B teletypewriter operating procedures, pertinent International Teletypewriter Procedures, and the continuous U.S. Service A Weather Schedules. (\$18.30—\$22.90 foreign Sub.—GPO.) TD 4.308: F 64/97.

International Flight Information Manual, Vol. 23 (April 1975).

This Manual is primarily designed as a preflight and planning guide for use by U.S. nonscheduled operators, business and private aviators contemplating flights outside of the United States.

The Manual, which is complemented by the International Notams publication, contains foreign entry requirements, a directory of aerodromes of entry including operational data, and pertinent regulations, and restrictions. It also contains passport, visa, and health requirements for each country. Published annually with quarterly amendments. (\$8.75—\$10.95 foreign—Annual Sub. GPO.) TD 4.309: 21.

International Notams.

Covers notices on navigational facilities and information on associated aeronautical data generally classified as "Special Notices." Acts as a notice-to-airmen service only. Published weekly. (\$28.10 domestic—\$35.15 foreign—Annual Sub. GPO.) TD 4.11.

Airman's Information Manual:

Part 1—Basic Flight Manual and ATC Procedures.

This part is issued quarterly and contains basic fundamentals required to fly

in the National Airspace System; adverse factors affecting Safety of Flight; Health and Medical Facts of interest to pilots; ATC information affecting rules, regulations, and procedures; a Glossary of Aeronautical Terms; U.S. Entry and Departure Procedures, including Airports of Entry and Landing Rights Airports; Air Defense Identification Zones (ADIZ); Designated Mountainous Areas, Scatana, and Emergency Procedures. (Annual Sub. \$7.60, Foreign mailing—\$1.90 additional. GPO.) TD 4.12: pt. 1/.

Part 2—Airport Directory.

This part is issued semiannually and contains a Directory of all Airports, Seaplane Bases, and Heliports in the conterminous United States, Puerto Rico, and the Virgin Islands which are available for transient civil use. It includes all of their facilities and services, except communications, in codified form. Those airports with communications are also listed in Part 3 which reflects their radio facilities. A list of new and permanently closed airports which updates this part is contained in Part 3.

Included, also, is a list of selected Commercial Broadcast Stations of 100 watts or more of power and Flight Service Stations and National Weather Service telephone numbers. (Annual Sub. \$7, Foreign mailing—\$1.75 additional. GPO.) TD 4.12: pt. 2/.

SPECIAL NOTICE

Parts 3 and 3A are now sold as separate subscriptions to enable the public to purchase only the information they require.

Part 3—Operational Data.

Part 3 is issued every 90 days and contains an Airport-Facility Directory of all major airports with control towers and/or instrument landing systems; a tabulation of Air Navigation Radio Aids; Special, General, Area Notices; a tabulation of New and Permanently Closed Airports (which updates Part 2), and supplemental data to Part 4. (Annual subscription \$12.85; \$16.10 foreign mailing. GPO.) TD 4.12: pt. 3.

Part 3A—Notices to Airmen.

Part 3A is issued every 14 days and contains current Notices to Airmen considered essential to the safety of flight as well as supplemental data to Parts 3 and 4. (Annual subscription \$20.55; \$25.70 foreign mailing. GPO.) TD 4.12: pt. 3A.

Part 4—Graphic Notices—Supplemental Data.

Part 4 is issued quarterly and contains abbreviations used in all parts of AIM; Parachute Jump Areas; VOR Receiver Check Points; Special Notice Area Graphics; and Heavy Wagon and Oil Burner Routes.

Future editions will be expanded to include Special Terminal Area Charts and data not subject to frequent change. (Annual Sub. \$14.40, Foreign Mailing—\$3.60 additional. GPO.) TD 4.12: pt. 4/.

Aircraft Type Certificate Data Sheets and Specifications (January 1974).

Contains all current aircraft specifications and type certificate data sheets. Subscription service includes the reprint which incorporates effective material previously issued by the FAA through December 1973, and monthly supplements for an indefinite period. (\$84.55—Sub., Foreign mailing—\$21.15 additional. GPO.) TD 4.15: 974.

Aircraft Engine and Propeller Type Certificate Data Sheets and Specifications (January 1974).

Contains all current aircraft engine and propeller type certificate data sheets and specifications. Subscription service includes the reprint which incorporates effective material previously issued by the FAA through December 1973, and monthly supplements for an indefinite period. (\$35.10—Sub., Foreign mailing—\$8.80 additional. GPO.) TD 4.15/2: 974.

Summary of Supplemental Type Certificates.

Contains all supplemental type certificates issued by FAA regarding design changes in aircraft, engines, or propellers. List includes description of change, the model and type certificate number, the supplemental type certificate number, and the holder of the change. Quarterly supplements provided. (\$41.75—Sub., Foreign mailing—\$10.45 additional. GPO.) TD 4.36: 974.

NOTICE

Commencing with the January 1974 issues, the Summary of Airworthiness Directives—Volumes I and II, will be sold and distributed by the Superintendent of Documents by the Federal Aviation Administration from Oklahoma City, Oklahoma. Requests for subscriptions to either of these publications should be sent to:

U.S. Department of Transportation, Federal Aviation Administration, P.O. Box 25461, Attn: AAC-23, Oklahoma City, Okla. 73125.

Subscription service will consist of the summary and automatic biweekly updates to each summary for a 2-year period. Make certified checks or money orders payable to Federal Aviation Administration.

Summary of Airworthiness Directives for Small Aircraft (1-1-74) Volume I.

Presents, in volume form, all the Airworthiness Directives for small aircraft issued through December 31, 1973. AD's for engines, propeller, and equipment are included in each volume. Each volume is arranged alphabetically by product manufacturer. (\$6.95 plus \$1.75 additional for foreign mailing.)

Summary of Airworthiness Directives for Large Aircraft (1-1-74) Volume II.

Presents, in volume form, all the Airworthiness Directives for large aircraft (over 12,500 pounds maximum certificated takeoff weight) issued through December 31, 1973. AD's for engines, propellers, and equipment are included in each volume. (\$7.50 plus \$1.90 additional for foreign mailing.)

STATUS OF THE FEDERAL AVIATION REGULATIONS AS OF MAY 15, 1975

Notice

The Federal Aviation Administration has finished the conversion of the Federal Aviation Regulations from a Volume issuance system to an individual Part issuance system.

As each Volume's subscription expired, the Superintendent of Documents sent subscribers an expiration notice with instructions and order forms for ordering the individual Parts formerly contained in that Volume.

The more frequently amended Parts will be sold on subscription service (that is, subscribers will receive Changes automatically as issued), while the less active Parts will be sold on a single-sale basis.

Changes to single-sale Parts will be sold separately as issued. Information concerning these Changes will be furnished by FAA through its "Status of the Federal Aviation Regulations, AC 00-44." Instructions for ordering this free status list are given in the front of each single-sale Part.

The following list indicates the breakdown of the single-sale Parts and the subscription Parts. Check or money order made payable to the Superintendent of Documents should be included with each order. Submit orders for single-sales and subscription Parts on different order forms. No COD orders are accepted. All FAR Parts should be ordered from: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

PARTS SOLD ON SUBSCRIPTION SERVICE

Part	Title	Catalog number	Publication date	Price		
				Domestic	Additional for foreign mailing	Changes issued to date
1	Definitions and abbreviations.....	TD 4.6-1	June 1974.....	\$3.00	\$0.75	2
21	Certification procedures for products and parts.....	TD 4.6-21	May 1974.....	3.75	.95	4
23	Airworthiness standards: Normal, utility, and acrobatic category airplanes.....	TD 4.6-23	June 1974.....	3.55	.90	2
25	Airworthiness standards: Transport category airplanes.....	TD 4.6-25	do.....	6.60	1.65	2
33	Airworthiness standards: Aircraft engines.....	TD 4.6-33	August 1974.....	3.00	.75	1
36	Noise standards: Aircraft type certification.....	TD 4.6-36	June 1974.....	3.00	.75	3
37	Technical standard order authorizations.....	TD 4.6-37	May 1974.....	5.65	1.45	.....
43	Maintenance, preventive maintenance rebuilding, and alteration.....	TD 4.6-43	January 1974.....	2.50	.65	.....
47	Aircraft registration.....	TD 4.6-47	May 1974.....	2.50	.65	.....
61	Certification: Pilots and flight instructors.....	TD 4.6-61	November 1974.....	5.05	1.30	.....
63	Certification: Flight crewmembers other than pilots.....	TD 4.6-63	Sept. 1974.....	3.00	.75	.....
65	Certification: Airmen other than flight crewmembers.....	TD 4.6-65	do.....	3.00	.75	.....
91	General operating and flight rules.....	TD 4.6-91	March 1974.....	11.30	2.85	4
93	Special air traffic rules and airport traffic patterns.....	TD 4.6-93	do.....	2.45	.65	1
103	Transportation of dangerous articles and magnetized materials.....	TD 4.6-103	do.....	2.20	.55	3
105	Parachute jumping.....	TD 4.6-105	do.....	2.00	.50	.....
121	Certification and Operations: Domestic, flag, and supplemental air carriers and commercial operators of large aircraft.....	TD 4.6-121	April 1974.....	9.20	2.30	6
123	Certification and operations: Air travel clubs using large airplanes.....	TD 4.6-123	do.....	2.00	.50	1
127	Certification and operations of scheduled air carriers with helicopters.....	TD 4.6-127	do.....	4.25	1.10	1
133	Rotorcraft external-load operations.....	TD 4.6-133	November 1974.....	3.00	.75	.....
135	Air taxi operators and commercial operators of small aircraft.....	TD 4.6-135	do.....	6.20	1.55	1
139	Certification and operations: Land airports serving CAB-certificated scheduled air carriers operating large aircraft (other than helicopters).....	TD 4.6-139	December 1974.....	3.00	.75	2
141	Pilot schools.....	TD 4.6-141	November 1974.....	3.00	.75	.....
152	Airport aid program.....	TD 4.6-152	December 1974.....	3.00	.75	.....

PARTS SOLD ON SINGLE-SALE BASIS

Part	Title	Catalog No.	Publication date	Price ¹
11	General rulemaking procedures.....	TD 4.6-11	May 1974.....	\$0.55
	Change 1.....	TD 4.6-11/Ch 1	Feb. 1, 1974 and Jan. 1, 1975.....	.45
13	Enforcement procedures.....	TD 4.6-13	do.....	.70
27	Airworthiness standards: Normal category rotorcraft.....	TD 4.6-27	August 1974.....	1.40
	Change 1.....	TD 4.6-27/Ch 1	Oct. 31, 1974.....	.75
29	Airworthiness standards: Transport category rotorcraft.....	TD 4.6-29	August 1974.....	1.70
	Change 1.....	TD 4.6-29/Ch 1	Oct. 31, 1974.....	.70
31	Airworthiness standards: Manned free balloons.....	TD 4.6-31	August 1974.....	.40
35	Airworthiness standards: Propellers.....	TD 4.6-35	do.....	.35
39	Airworthiness directives.....	TD 4.6-39	May 1974.....	.35
45	Identification and registration marking.....	TD 4.6-45	do.....	.65
49	Recording of aircraft titles and security documents.....	TD 4.6-49	do.....	.45
67	Medical standards and certification.....	TD 4.6-67	September 1974.....	\$0.50
71	Designation of Federal airways, area low routes, controlled airspace, and reporting points.....	TD 4.6-71	January 1975.....	.85
73	Special use airspace.....	TD 4.6-73	do.....	.40
75	Establishment of jet routes and high area routes.....	TD 4.6-75	do.....	.10
77	Objects affecting navigable airspace.....	TD 4.6-77	do.....	1.10
95	IFR altitudes.....	TD 4.6-95	do.....	.50
	Change 1.....	TD 4.6-95/Ch 1	Feb. 13, 1975.....	.35
97	Standard instrument approach procedures.....	TD 4.6-97	January 1975.....	.45
99	Security control of air traffic.....	TD 4.6-99	March 1974.....	.70
101	Moored balloons, kites, unmanned rockets, and unmanned free balloons.....	TD 4.6-101	do.....	.65
	Change 1.....	TD 4.6-101/Ch 1	Aug. 30, 1974.....	.30
107	Airport security.....	TD 4.6-107	March 1974.....	.40
129	Operations of foreign air carriers.....	TD 4.6-129	April 1974.....	.45
137	Agricultural aircraft operations.....	TD 4.6-137	November 1974.....	.50
143	Ground instructors.....	TD 4.6-143	September 1974.....	.35
145	Repair stations.....	TD 4.6-145	January 1974.....	.75
147	Aviation maintenance technician schools.....	TD 4.6-147	September 1974.....	.55
149	Parachute lifts.....	TD 4.6-149	January 1974.....	.35
151	Federal aid to airports.....	TD 4.6-151	December 1974.....	1.55
153	Acquisition of U.S. land for public airports.....	TD 4.6-153	do.....	.50
154	Acquisition of U.S. land for public airports under the Air- ports and Airway Act of 1970.....	TD 4.6-154	do.....	.40
155	Release of Airport property from surplus property disposal.....	TD 4.6-155	do.....	.40
157	Notice of construction, alteration, activation, and deactiva- tion of airports.....	TD 4.6-157	January 1975.....	.40
159	National Capital airports.....	TD 4.6-159	December 1974.....	1.00
169	Expenditure of Federal funds for nonmilitary airports or air navigational facilities thereon.....	TD 4.6-169	January 1975.....	.35
171	Non-Federal navigation facilities.....	TD 4.6-171	do.....	1.10
183	Representatives of the Administrator.....	TD 4.6-183	May 1974.....	.45
185	Testimony by employees and production of records in legal proceedings and service of legal process and pleadings.....	TD 4.6-185	do.....	.30
187	Fees.....	TD 4.6-187	do.....	.40
189	Use of Federal Aviation Administration communication system.....	TD 4.6-189	do.....	.35

¹ Add 25% for foreign mailing.

² Due to their length, complexity, and frequency of issuance, individual Airworthiness Directives are published separately in the FEDERAL REGISTER. Copies of Airworthiness Directives that have been issued are for sale in summary form by DOT, FAA Aeronautical Center (Consignment agent for Superintendent of Documents), P.O. Box 23461, Oklahoma City, Okla. 73123, Attn: AAC-23.

³ Due to their length, complexity, and frequency of issuance, individual airspace designations, airways descriptions, restricted areas, jet route descriptions, and en route IFR altitudes are not included in the publication of these basic parts. Such descriptions are published in the FEDERAL REGISTER and depicted on appropriate aeronautical charts. Aeronautical charts can be obtained from the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Distribution Division (C-44), National Ocean Survey, Riverdale, Md. 20840.

⁴ Standard instrument approach procedures are published in the FEDERAL REGISTER by reference to FAA documents which are available for examination in the Rules Docket (AGC-24) and the National Flight Data Center, FAA Headquarters, Washington, D.C., and at the appropriate FAA Regional Offices and Flight Inspection District Offices. These approach procedures can be obtained from the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Distribution Division (C-44), National Ocean Survey, Riverdale, Md. 20840.

E. NOOTENBOOM,

Acting Director, Management Systems.

[FR Doc. 75-16454 Filed 6-25-75; 8:45 am]

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THURSDAY, JUNE 26, 1975

WASHINGTON, D.C.

Volume 40 ■ Number 124

PART IV



FEDERAL ENERGY ADMINISTRATION



NATIONAL UTILITY RESIDUAL FUEL OIL ALLOCATION

**Supplier Percentage Notice
for July 1975**

FEDERAL ENERGY ADMINISTRATION

NATIONAL UTILITY RESIDUAL FUEL OIL ALLOCATION

Supplier Percentage Notice for July 1975

Pursuant to the provisions of 10 CFR 211.163(b)(2), 211.165 and 211.166(d)(2), the Federal Energy Administration (FEA) hereby provides notice of the volumes of residual fuel oil allocated to each utility and the percentage of such volumes required to be supplied by each supplier for delivery in July 1975. This information is set forth in the Appendix to this notice. Adjustments of certain supplier base period percentages have been made at the request of affected utilities and suppliers, pursuant to the criteria of 10 CFR 205.25 and are reflected in the appendix.

The utility allocations were determined after review of the relative availability of supplies of residual fuel oil for allocation to both utility and non-utility uses. In calculating the allocation level for each utility the FEA considered all of the factors enumerated in 10 CFR 211.163(b)(2) and also the following other factors:

1. The data contained in the Federal Power Commission (FPC) Forms 23 and 23A submitted by utilities;
2. Natural gas curtailments;

3. FEA's prediction that the supply level of residual fuel oil is expected to generally equate to the total demand.

The amounts shown in the Appendix are the quantities of residual fuel oil to be delivered to the utilities listed during the month of July 1975. Some utilities will not receive any allocation for this month for various reasons including the fact that these utilities burn other fuels primarily and use residual fuel oil only for standby purposes.

The Appendix provides the names of the suppliers obligated to supply each utility and each supplier's percentage and volume of each month's allocation to a utility. The first column of the Appendix lists each utility with its suppliers. The second column sets forth the recommended FEA burn level. The third and fourth columns provide each supplier's respective percentage and volume share of a utility's allocated volume of residual fuel oil. The fifth column provides the total volume of residual fuel oil for each utility from all suppliers. Following the name of certain suppliers, an additional supplier is shown in parentheses. The supplier in parentheses is presumed, on the basis of the best information available, to be the supplier of the utility's supplier. This information is provided for the convenience of such suppliers and the FEA requests

that any additions or corrections in this regard be forwarded to FEA Electrical Utilities Reports, Code 47, Washington, D.C. 20461.

It is contemplated that corrections or adjustments to delivery levels for certain utilities may be required during the month of July to avoid undue hardship. FEA will consider special circumstances such as unexpected outages which may cause fuel consumption to exceed FEA burn levels in any month. Such corrections or adjustments shall be made pursuant to Subparts B and C of 10 CFR Part 205.

FEA expects the utilities to consume supplies at or below FEA burn levels, which are based on the utilities' proposed burn levels.

The utility residual fuel oil allocation program is based in part on the data derived from utilities' filings of FPC Forms 23 and 23A. Thus, the timely submission of these forms will be a necessary prerequisite to receiving future allocations.

Reports should be addressed to FEA Electrical Utilities Reports, Code 47, Washington, D.C. 20461.

Issued in Washington, D.C., June 18, 1975.

ROBERT E. MONTGOMERY, Jr.,
General Counsel.

APPENDIX

RESIDUAL FUEL ALLOCATIONS TO UTILITIES FOR JULY 1975

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
1. NORTHEAST POWER COORDINATING COUNCIL AREA (NPCC)				
CONNECTICUT				
UNITED ILLUMINATING CO	527,000			527,000
WYATT INC (EXXON)		13.00	68,510	
TEXACO		87.00	458,490	
NORTHEAST UTILITIES	1,405,000			1,405,000
TAD JONES CO (GULF)		21.00	295,050	
WYATT INC (EXXON)		10.00	140,500	
H N HARTWELL & SON INC		1.00	14,050	
AMERADA HESS CORP		68.00	955,400	
MAINE				
BANGOR HYDRO ELEC. CO, SPRAGUE	18,124	100.00	18,124	18,124
CENTRAL MAINE POWER CO, TEXACO	154,000	100.00	154,000	154,000
MAINE PUBLIC SERVICE CO, DEAD RIV.O.(SPRAGUE)	95	100.00	95	95
MASSACHUSETTS				
BOSTON EDISON CO, SPRAGUE	968,062	12.00	116,167	968,062
WHITE FUEL (TEXACO)		46.00	445,308	
EXXON		42.00	406,586	
FITCHBURG GAS & EL, NORTHEAST PETROLEUM	2,000	100.00	2,000	2,000
E.UTIL.ASSOC.(MONTAUP&BL TEXACO	135,000	100.00	135,000	135,000
BRAINTREE ELEC. LT. DEPT CK SMITH(GOLD,EAGLE)	16,817	100.00	16,817	16,817
HOLYOKE GAS AND ELECTRIC WYATT INC (EXXON)	10,667	100.00	10,667	10,667

NOTICES

-5-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
PEABODY ELECTRIC LT DEPT	0			0
TAUNTON MUN. LT. QUINCY OIL CO (EXXON)	109,744	100.00	109,744	109,744
NEW ENG. G & E NEW ENGLAND PETRO WHITE FUEL (TEXACO)	629,577	84.80 15.20	533,881 95,695	629,577
NEW ENG. ELEC ASIATIC PETRO CORP PRULEASE GOLD, EAGLE	1,564,000	60.00 .10 39.90	938,400 1,564 624,036	1,564,000
NEW HAMPSHIRE -----				
PUB SER OF N.H. SPRAGUE CONOCO	59,000	26.30 73.70	15,517 43,483	59,000
NEW YORK -----				
CENTRAL HUDSON GAS & ELE AMERADA HESS CORP	1,319,195	100.00	1,319,195	1,319,195
CONSOL EDISON OF NY NEW ENGLAND PETRO AMERADA HESS CORP EXXON TEXACO	4,548,000	45.50 22.30 20.80 11.40	2,069,340 1,014,204 945,984 518,472	4,548,000
LONG ISLAND LIGHT CO. NEW ENGLAND PETRO	1,581,000	100.00	1,581,000	1,581,000
ORANGE & ROCKLAND UTILIT NEW ENGLAND PETRO HOWARD FUEL CORP AMERADA HESS CORP ASIATIC PETRO	1,071,045	51.50 11.20 29.90 7.40	551,588 119,957 320,242 79,257	1,071,045
ROCHESTER GAS & ELECTRIC ALLIED O MONOCO OIL COMPANY	56,583	29.70 70.30	16,805 39,777	56,583
FREEPORT, VILLAGE OF BURNS BROS O. (NEPCO)	25,500	100.00	25,500	25,500

-6-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
NIAGARA MOHAWK POWER CO, NEW ENGLAND PETRO	688,692	100.00	688,692	688,692
RHODE ISLAND -----				
NEWPORT ELECTRIC CORP CK SMITH	4,710	100.00	4,710	4,710
2. MID-ATLANTIC AREA COORDINATION AGREEMENT (MAAC)				
DELAWARE -----				
DELMARVA PWR & LT	707,000			707,000
GULF		8.00	56,560	
STEUART PETROLEUM CO		22.00	155,540	
CONOCO		65.00	459,550	
TEXACO		5.00	35,350	
DOVER, CITY OF	85,600			85,600
TEXACO		100.00	85,600	
DISTRICT OF COLUMBIA -----				
POTOMAC ELEC, PWR, STEUART PETROLEUM CO ASIATIC PETRO CORP	1,328,000	21.00 79.00	278,880 1,049,120	1,328,000
MARYLAND -----				
BALTIMORE GAS & ELECTRIC AMERADA HESS CORP EXXON	1,021,168	52.70 47.30	538,155 483,012	1,021,168
NEW JERSEY -----				
PUBLIC SERVICE ELECTRIC AMERADA HESS CORP EXXON	1,632,000	78.00 22.00	1,272,960 359,040	1,632,000
VINELAND, CITY OF ELEC, BRITISH PETROLEUM	57,043	100.00	57,043	57,043

-7-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
ATLANTIC CITY ELECTRIC C	266,000			266,000
AMERADA HESS CORP		60.00	159,600	
CONOCO		40.00	106,400	
GPU INTEGRATED SYSTEM	443,014			443,014
SHIPLEY-HUMBLE		1.00	4,430	
AMERADA HESS CORP		94.00	416,433	
SWANN OIL INC		5.00	22,150	
PENNSYLVANIA				

PENNSYLVANIA PWR & LT	425,000			425,000
AMERADA HESS CORP		100.00	425,000	
PHILADELPHIA ELECTRIC CO	1,103,900			1,103,900
NEW ENGLAND PETRO		2.10	23,181	
AMERADA HESS CORP		21.50	237,338	
ARCO		28.50	314,611	
GULF		9.00	99,351	
CONOCO		14.90	164,481	
TEXACO		24.00	264,936	
3. SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL (SERC)				
FLORIDA				

FLORIDA P & L	2,963,000			2,963,000
EXXON		15.00	444,450	
BELCHER OIL (EXXON)		85.00	2,518,550	
FLORIDA POWER CORPORATIO	1,936,400			1,936,400
AMERADA HESS CORP		40.00	774,560	
EXXON		60.00	1,161,840	
GULF POWER CO.	53,160			53,160
BAKER SERVICE (EXXON)		100.00	53,160	
TAMPA ELECTRIC CO.	172,094			172,094
WESTERN (NEW ENG PET		100.00	172,094	
FORT PIERCE, CITY OF	58,600			58,600
BELCHER OIL (EXXON)		100.00	58,600	
GAINESVILLE, CITY OF	104,268			104,268
EASTERN SEABOARD		100.00	104,268	

-8-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
JACKSONVILLE ELEC. AUTH. VEN FUEL INC NEW ENGLAND PETRO AMERADA HESS CORP	858,300	82,60 8,70 8,70	708,955 74,672 74,672	858,300
KEY WEST UTILITIES STD,OIL=KY	69,564	100,00	69,564	69,564
LAKE WORTH UTIL AUTHORITY	0			0
LAKELAND LIGHT & WTR DEP BELCHER(STD,OIL=KY)	143,800	100,00	143,800	143,800
NEW SMYRNA BEACH	0			0
ORLANDO UTILITIES COMM. BELCHER OIL(EXXON)	331,000	100,00	331,000	331,000
SEBRING UTILITIES COMM. UNION OIL OF CA	6,484	100,00	6,484	6,484
TALLAHASSEE, CITY OF UNION OIL OF CA	82,026	100,00	82,026	82,026
VERO BEACH MUNICIPAL POW BELCHER OIL(EXXON)	37,273	100,00	37,273	37,273
FLORIDA KEYS ELEC COOP	0			0
GEORGIA -----				
GEORGIA POWER COMPANY NEW ENGLAND PETRO	91,404	100,00	91,404	91,404
SAVANNAH ELECTRIC & POWE COLONIAL OIL(EXXON)	251,137	100,00	251,137	251,137
MISSISSIPPI -----				
MISSISSIPPI POWER CO. BAKER SERVICE(EXXON) ERGON(INTL TRADING)	68,370	55,00 45,00	37,603 30,766	68,370
SOUTH MISSISSIPPI ELEC SOUTHLND OIL AMERADA HESS CORP	92,581	83,00 17,00	76,842 15,738	92,581

	-9- RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
NORTH CAROLINA				
CAROLINA POWER & LT.	0			0
SOUTH CAROLINA				
S. CAROLINA PUB SERV AUTH AMERADA HESS CORP	12,722	100.00	12,722	12,722
S. CAROLINA ELEC & GAS CO EXXON	500,000	100.00	500,000	500,000
VIRGINIA				
VIRGINIA ELECTRIC POWER AMERADA HESS CORP	2,747,100	16.60	456,018	2,747,100
EXXON		47.30	1,299,378	
AMOCO		20.50	563,155	
NEW ENGLAND PETRO		15.60	428,547	
4. SOUTHWEST POWER POOL COORDINATION COUNCIL (SPP)				
ARKANSAS				
JONESBORO WATER AND LIGH E L BRIDE(MIDLAND) DELTA REFINING CO	16,576	17.00 83.00	2,817 13,758	16,576
ARKANSAS ELEC COOP LOGICON INC (SHELL) E L BRIDE(TEXACO)	200,187	80.00 20.00	160,149 40,037	200,187
COLORADO				
CT&U, S.COLO PWR DIV.	0			0
KANSAS				
CENTRAL KANSAS PWR GR,PLS(CRA-FARMLAND)	27,500	100.00	27,500	27,500

-10-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
KANSAS GAS & ELEC	400,000			400,000
ASPH&PETRO INDUST		84.70	338,800	
FRONTIER PRODUCTION		15.30	61,200	
KANSAS POWER & LIGHT	300,000			300,000
GR,PLS		38.40	115,200	
NTL COOP REFINERY		15.50	46,500	
PHILLIPS PETROLEUM		46.10	138,300	
CT&U, WESTERN PWR DIV	82,280			82,280
CARTER WTR		4.00	3,291	
AMOCO		73.00	60,064	
NORTH AMER PETRO		23.00	18,924	
CHANUTE, CITY OF	6,563			6,563
MID AMER, REFINING		100.00	6,563	
CLAY CENTER LT&WTR	0			0
COFFEYVILLE LT & PWR	4,215			4,215
CRA-FARMLAND		100.00	4,215	
LARNED WTR & ELEC	261			261
CARTER WTR		100.00	261	
MCPHERSON BD OF PUB UTIL	4,600			4,600
NTL COOP REFINERY		100.00	4,600	
OTTAWA WTR & LT	0			0
LOUISIANA				

CENTRAL LOUISIANA ELECTR	0			0
JONESBORO POWER & LIGHT	0			0
SOUTHWESTERN ELECTRIC PO	103,000			103,000
FALCO		100.00	103,000	
MIDDLE SOUTH SERVICES	2,097,000			2,097,000
E L BRIDE (OKC REF.)		1.70	35,649	
TAUBER OIL CO		20.50	429,885	
ERGON INC (EXXON)		3.80	79,686	
REESE OIL (SUN OIL)		.30	6,291	
SHELL		21.30	446,661	
EXXON		12.90	270,513	
TEXACO		9.50	199,215	
MURPHY OIL CORP		30.00	629,100	

-11-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
MISSISSIPPI				
CLARKSDALE WTR & LT	9,981			9,981
SOUTHLND OIL		100.00	9,981	
YAZOO CITY PUB SERV	0			0
MISSOURI				
ST JOSEPH LT & PWR	0			0
EMPIRE DIST ELEC	0			0
OKLAHOMA				
OKLAHOMA GAS & ELEC	0			0
BLACKWELL WTR & LT	0			0
WESTERN FARMERS ELEC COO	20,609			20,609
MCPHERSON BROS		100.00	20,609	
TEXAS				
GULF STATES UTILITIES	0			0
5. ELECTRIC RELIABILITY COUNCIL OF TEXAS (ERCOT)				
DALLAS POWER & LT,	3,333			3,333
WINSTON REF CO		18.20	606	
BEE OIL&REFINING		15.60	519	
KERR MCGEE OIL CO		18.90	629	
J&W REFINING		47.20	1,573	
HOUSTON LIGHT & PWR	0			0
TEXAS ELEC SERV	0			0
TEXAS PWR & LT	0			0
WEST TEXAS UTIL	100,200			100,200
PRIDE REFINING INC		100.00	100,200	

-12-

RECOMMENDED
FEA BURNBY SUPPLIER
PCT BARRELSTOTAL
(BARRELS)

AUSTIN CITY ELEC DEPT TESORO	10,280	100.00	10,280	10,280
BRYAN, CITY OF	0			0
GARLAND, CITY OF	0			0
LOWER COLORADO RIVER AUT	0			0
SAN ANTONIO PUB SERV	0			0
BRAZOS ELEC COOP	0			0
MEDINA ELEC COOP	0			0

6. MID-AMERICA INTERPOOL NETWORK (MAIN)

ILLINOIS

COMMONWEALTH EDISON CO, ALLIED O, CLARK OIL&REF, CORP	460,000	98.00 2.00	450,800 9,200	460,000
ILLINOIS POWER CO ALLIED O,	34,000	100.00	34,000	34,000

MISSOURI

UNION ELECTRIC APEX OIL CO	36,750	100.00	36,750	36,750
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WISCONSIN

SUPERIOR WTR & LT MURPHY OIL CORP	10,715	100.00	10,715	10,715
WISCONSIN ELEC PWR INDUST FUEL&ASPHALT	7,724	100.00	7,724	7,724

-13-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
7. MID-CONTINENT AREA RELIABILITY COORDINATION AGREEMENT (MARCA)				
IOWA				
ATLANTIC MUNICIPAL UTILI	0			0
LAMONI MUNIC	0			0
INTERSTATE POWER NORTHWESTERN REF	16,950	100.00	16,950	16,950
MINNESOTA				
MINNESOTA PWR & LT MURPHY OIL	30,700	100.00	30,700	30,700
AUSTIN UTILITIES	0			0
FAIRMONT WTR & LT	0			0
MARSHALL MUNICIPAL UTIL	0			0
OWATONNA MUN UTIL	0			0
WORTHINGTON, CITY OF	0			0
NORTHERN STATES PWR	0			0
NEBRASKA				
CENTRAL NEBRASKA PUBLIC FARMLAND INDUSTRIES	65,016	100.00	65,016	65,016
FAIRBURY LT & WTR CARTER WTR (TEXACO)	5,100	100.00	5,100	5,100
GRAND ISLAND ELEC E L BRIDE	39,927	100.00	39,927	39,927
HASTINGS UTILITIES DEPT CARTER WTR	6,363	100.00	6,363	6,363
LINCOLN ELECTRIC SYSTEM	0			0

-14-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
NEBRASKA PUBLIC POWER DIST	0			0
OMAHA PUB PWR DIST	0			0
WISCONSIN				

LAKE SUPERIOR DIST PWR	0			0
8. EAST CENTRAL AREA RELIABILITY COORDINATION AGREEMENT (ECAR)				
MICHIGAN				

CLINTON LT & WTR	572			572
CRYSTAL REFINING CO		100.00	572	
GRAND HAVEN BD PUB	564			564
OSCEOLA REF		100.00	564	
HILLSDALE BD OF PUB WORK	0			0
CONSUMERS POWER	588,149			588,149
MURPHY MI. DIV. AMOCO		6.00	35,288	
ENTERPRISE OIL CO		6.00	35,288	
INDUST FUEL&ASPHALT		2.00	11,762	
RUPP OIL COMPANY		2.00	11,762	
CONSUMERS PWR=CRUDE		54.00	317,600	
BORON OIL(STANDARD)		3.00	17,644	
GLADIEUX REF		1.00	5,881	
LAKESIDE REFINING CO		14.00	82,340	
TOTAL LEONARD INC		4.00	23,525	
OSCEOLA REFINING CO		8.00	47,051	
DETROIT EDISON CO.	606,565			606,565
ENTERPRISE OIL CO		4.80	29,115	
CANADIAN FUEL MKTRS		9.90	60,049	
PETRO PRODUCTS		5.40	32,754	
SUN OIL LTD		70.00	424,595	
MARATHON OIL		9.90	60,049	
OHIO				

CLEVELAND ELEC ILLUMIN	117,190			117,190
ALLIED O.(ASHLAND)		100.00	117,190	

NOTICES

-15-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
TOLEDO EDISON SUN OIL	2,811	100.00	2,811	2,811
PENNSYLVANIA -----				
ALLEGHENY POWER SERVICE ALLIED O. (NEPCO)	83,271	100.00	83,271	83,271
9. WESTERN SYSTEMS COORDINATING COUNCIL (WSCC)				
ARIZONA -----				
TUCSON GAS & ELEC	241,291			241,291
GOLDEN GATE PETRO		22.00	53,084	
TOSCO		43.00	103,755	
HOLLAND OIL (TOSCO)		5.00	12,064	
UNION OIL OF CA		25.00	60,322	
NAVAJO REFINING		5.00	12,064	
SALT RIVER PROJECT	334,000			334,000
GUSTAFSON OIL CO		.90	3,006	
DOUGLAS OIL CO		2.80	9,352	
LITTLE AMERICA		19.70	65,798	
TESORO		12.40	41,416	
MACMILLAN		17.00	56,780	
POWERINE OIL CO		18.10	60,454	
SAN JOAQUIN REF		29.10	97,194	
ARIZONA PUBLIC SERVICE C	292,024			292,024
PACIFIC SOUTHWEST		16.50	48,183	
BASIN FUELS		4.00	11,680	
UNION OIL OF CAL		63.00	183,975	
SAN JOAQUIN REF		16.50	48,183	
CALIFORNIA -----				
PACIFIC GAS & ELECTRIC C	291,000			291,000
ARCO		71.30	207,483	
PHILLIPS PETROLEUM		24.00	69,840	
UNION OIL OF CA		4.70	13,677	
SAN DIEGO GAS & ELECTRIC	201,027			201,027
HIRI		16.20	32,566	
TESORO		32.70	65,735	
UNION OIL OF CA		29.80	59,906	
EDGINGTON OIL CO		21.30	42,818	

-16-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
BURBANK CITY PUBLIC SER, ATLANTIC RICHFIELD	45,800	100.00	45,800	45,800
GLENDAL PUBLIC SERVICES POWERINE OIL CO	123,324	100.00	123,324	123,324
IMPERIAL IRRIGATION DIST CRESCENT REF&O(GULF)	58,400	100.00	58,400	58,400
LOS ANGELES DEPT OF WATE PETROBAY	1,354,607			1,354,607
ARCO		7.60	102,950	
EDGINGTON OIL CO		59.80	810,054	
NEWHALL REFINING CO		20.90	283,112	
POWERINE OIL CO		5.00	67,730	
SAN JOAQUIN REF		3.20	43,347	
		3.50	47,411	
SOUTHERN CALIF EDISON	3,530,000			3,530,000
EXXON		20.40	720,120	
ARCO		7.80	275,340	
CONOCO		2.20	77,660	
TEXACO		9.70	342,410	
STD,OIL-CAL		50.10	1,768,530	
MACMILLAN R.F.OIL		3.00	105,900	
PACIFIC RESOURCES		6.80	240,040	
PASADENA POWER CO, GOLD.EAGLE	120,019	100.00	120,019	120,019
COLORADO				

PUB SERV COLORADO	14,872			14,872
CONOCO		36.40	5,413	
REF.CORP		43.50	6,469	
PLATEAU INC		20.10	2,989	
COLORADO SPRINGS LT & PW	0			0
LAMAR LT & PWR	0			0
MONTANA				

MONTANA POWER	0			0

-17-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
NEVADA				
NEVADA POWER COMPANY	178,479			178,479
GUSTAFSON OIL CO		54.00	96,378	
HUSKY OIL COMPANY		46.00	82,100	
SIERRA PACIFIC POWER	20,273			20,273
GOLDEN GATE PETRO		100.00	20,273	
NEW MEXICO				
PUB SERV NEW MEXICO	0			0
PLAINS ELEC GEN & TRANSM	0			0
OREGON				
PACIFIC POWER & LIGHT CO	204			204
STD.OIL(IND)		100.00	204	
TEXAS				
COMMUNITY PUB SERV	10,284			10,284
STD.OIL-TEXAS		100.00	10,284	
EL PASO ELECTRIC	57,340			57,340
SOUTHERN UNION		74.50	42,718	
TESORO		25.50	14,621	
UTAH				
UTAH POWER & LIGHT CO.	0			0
WASHINGTON				
PUGET SOUND POWER & LIGHT	0			0
SEATTLE DEPT OF LI	0			0
TACOMA DEPT OF PUBLIC UT	0			0

-18-

	RECOMMENDED FEA BURN	BY SUPPLIER PCT	BARRELS	TOTAL (BARRELS)
10. ALASKA SYSTEMS COORDINATING COUNCIL (ASCC)				
ALASKA				

CORDOVA, TOWN OF	0			0
HAWAII				

HAWAIIAN ELECTRIC COMPAN STD.OIL=CA	739,377	100.00	739,377	739,377
HILO ELEC LT STD.OIL=CA	31,688	100.00	31,688	31,688
KAUAI ELECTRIC STD.OIL=CA	1,851	100.00	1,851	1,851
MAUI ELECTRIC STD.OIL=CA	36,120	100.00	36,120	36,120
11. NOT OTHERWISE CLASSIFIED (NOC)				
UNKNOWN				

GUAM PWR AUTH U.S.NAVY	159,490	100.00	159,490	159,490
UNKNOWN				

PUERTO RICO WATER RESOUR	1,986,069			1,986,069
COMMONWEALTH OIL		50.00	993,034	
PUERTO RICO SUN OIL		30.00	595,281	
CARIBBEAN GULF REF		20.00	397,214	
UNKNOWN				

ST CROIX, V.I. WTR PWR AMERADA HESS CORP	47,718	100.00	47,718	47,718
UNKNOWN				

ST THOMAS, V.I. WTR PWR AMERADA HESS CORP	33,937	100.00	33,937	33,937

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