

**(3) Determination as part of rule**

As part of the rulemaking under subsection (a), the Administrator shall make a determination as to whether the 50 percent reduction referred to in paragraph (1) is technologically achievable, taking into account durability, costs, lead time, safety, and other relevant factors.

**(c) Low-polluting fuel requirement****(1) Annual testing**

Beginning with model year 1994 buses, the Administrator shall conduct annual tests of a representative sample of operating urban buses subject to the particulate matter (PM) standard applicable pursuant to subsection (b) to determine whether such buses comply with such standard in use over their full useful life.

**(2) Promulgation of additional low-polluting fuel requirement**

(A) If the Administrator determines, based on the testing under paragraph (1), that urban buses subject to the particulate matter (PM) standard applicable pursuant to subsection (b) do not comply with such standard in use over their full useful life, he shall revise the standards applicable to such buses to require (in addition to compliance with the PM standard applicable pursuant to subsection (b)) that all new urban buses purchased or placed into service by owners or operators of urban buses in all metropolitan statistical areas or consolidated metropolitan statistical areas with a 1980 population of 750,000 or more shall be capable of operating, and shall be exclusively operated, on low-polluting fuels. The Administrator shall establish the pass-fail rate for purposes of testing under this subparagraph.

(B) The Administrator shall promulgate a schedule phasing in any low-polluting fuel requirement established pursuant to this paragraph to an increasing percentage of new urban buses purchased or placed into service in each of the first 5 model years commencing 3 years after the determination under subparagraph (A). Under such schedule 100 percent of new urban buses placed into service in the fifth model year commencing 3 years after the determination under subparagraph (A) shall comply with the low-polluting fuel requirement established pursuant to this paragraph.

(C) The Administrator may extend the requirements of this paragraph to metropolitan statistical areas or consolidated metropolitan statistical areas with a 1980 population of less than 750,000, if the Administrator determines that a significant benefit to public health could be expected to result from such extension.

**(d) Retrofit requirements**

Not later than 12 months after November 15, 1990, the Administrator shall promulgate regulations under section 7521(a) of this title requiring that urban buses which—

(1) are operating in areas referred to in subparagraph (A) of subsection (c)(2) (or subparagraph (C) of subsection (c)(2) if the Administrator has taken action under that subparagraph);

(2) were not subject to standards in effect under the regulations under subsection (a) of this section; and

(3) have their engines replaced or rebuilt after January 1, 1995,

shall comply with an emissions standard or emissions control technology requirement established by the Administrator in such regulations. Such emissions standard or emissions control technology requirement shall reflect the best retrofit technology and maintenance practices reasonably achievable.

**(e) Procedures for administration and enforcement**

The Administrator shall establish, within 18 months after November 15, 1990, and in accordance with section 7525(h) of this title, procedures for the administration and enforcement of standards for buses subject to standards under this section, testing procedures, sampling protocols, in-use compliance requirements, and criteria governing evaluation of buses. Procedures for testing (including, but not limited to, certification testing) shall reflect actual operating conditions.

**(f) Definitions**

For purposes of this section—

**(1) Urban bus**

The term “urban bus” has the meaning provided under regulations of the Administrator promulgated under section 7521(a) of this title.

**(2) Low-polluting fuel**

The term “low-polluting fuel” means methanol, ethanol, propane, or natural gas, or any comparably low-polluting fuel. In determining whether a fuel is comparably low-polluting, the Administrator shall consider both the level of emissions of air pollutants from vehicles using the fuel and the contribution of such emissions to ambient levels of air pollutants. For purposes of this paragraph, the term “methanol” includes any fuel which contains at least 85 percent methanol unless the Administrator increases such percentage as he deems appropriate to protect public health and welfare.

(July 14, 1955, ch. 360, title II, §219, as added Pub. L. 101-549, title II, §227[(a)], Nov. 15, 1990, 104 Stat. 2505.)

## PART B—AIRCRAFT EMISSION STANDARDS

**§ 7571. Establishment of standards****(a) Study; proposed standards; hearings; issuance of regulations**

(1) Within 90 days after December 31, 1970, the Administrator shall commence a study and investigation of emissions of air pollutants from aircraft in order to determine—

(A) the extent to which such emissions affect air quality in air quality control regions throughout the United States, and

(B) the technological feasibility of controlling such emissions.

(2)(A) The Administrator shall, from time to time, issue proposed emission standards applicable to the emission of any air pollutant from

any class or classes of aircraft engines which in his judgment causes, or contributes to, air pollution which may reasonably be anticipated to endanger public health or welfare.

(B)(i) The Administrator shall consult with the Administrator of the Federal Aviation Administration on aircraft engine emission standards.

(ii) The Administrator shall not change the aircraft engine emission standards if such change would significantly increase noise and adversely affect safety.

(3) The Administrator shall hold public hearings with respect to such proposed standards. Such hearings shall, to the extent practicable, be held in air quality control regions which are most seriously affected by aircraft emissions. Within 90 days after the issuance of such proposed regulations, he shall issue such regulations with such modifications as he deems appropriate. Such regulations may be revised from time to time.

**(b) Effective date of regulations**

Any regulation prescribed under this section (and any revision thereof) shall take effect after such period as the Administrator finds necessary (after consultation with the Secretary of Transportation) to permit the development and application of the requisite technology, giving appropriate consideration to the cost of compliance within such period.

**(c) Regulations which create hazards to aircraft safety**

Any regulations in effect under this section on August 7, 1977, or proposed or promulgated thereafter, or amendments thereto, with respect to aircraft shall not apply if disapproved by the President, after notice and opportunity for public hearing, on the basis of a finding by the Secretary of Transportation that any such regulation would create a hazard to aircraft safety. Any such finding shall include a reasonably specific statement of the basis upon which the finding was made.

(July 14, 1955, ch. 360, title II, § 231, as added Pub. L. 91-604, § 11(a)(1), Dec. 31, 1970, 84 Stat. 1703; amended Pub. L. 95-95, title II, § 225, title IV, § 401(f), Aug. 7, 1977, 91 Stat. 769, 791; Pub. L. 104-264, title IV, § 406(b), Oct. 9, 1996, 110 Stat. 3257.)

**Editorial Notes**

**CODIFICATION**

Section was formerly classified to section 1857f-9 of this title.

**AMENDMENTS**

1996—Subsec. (a)(2). Pub. L. 104-264 designated existing provisions as subpar. (A) and added subpar. (B).

1977—Subsec. (a)(2). Pub. L. 95-95, § 401(f), substituted “The Administrator shall, from time to time, issue proposed emission standards applicable to the emission of any air pollutant from any class or classes of aircraft engines which in his judgment causes, or contributes to, air pollution which may reasonably be anticipated to endanger public health or welfare” for “Within 180 days after commencing such study and investigation, the Administrator shall publish a report of such study and investigation and shall issue proposed emission standards applicable to emissions of any air pollutant

from any class or classes of aircraft or aircraft engines which in his judgment cause or contribute to or are likely to cause or contribute to air pollution which endangers the public health or welfare”.

Subsec. (c). Pub. L. 95-95, § 225, substituted “Any regulations in effect under this section on August 7, 1977, or proposed or promulgated thereafter, or amendments thereto, with respect to aircraft shall not apply if disapproved by the President, after notice and opportunity for public hearing, on the basis of a finding by the Secretary of Transportation that any such regulation would create a hazard to aircraft safety” for “Any regulations under this section, or amendments thereto, with respect to aircraft, shall be prescribed only after consultation with the Secretary of Transportation in order to assure appropriate consideration for aircraft safety” and inserted provision that findings include a reasonably specific statement of the basis upon which the finding was made.

**Statutory Notes and Related Subsidiaries**

**EFFECTIVE DATE OF 1996 AMENDMENT**

Except as otherwise specifically provided, amendment by Pub. L. 104-264 applicable only to fiscal years beginning after Sept. 30, 1996, and not to be construed as affecting funds made available for a fiscal year ending before Oct. 1, 1996, see section 3 of Pub. L. 104-264, set out as a note under section 106 of Title 49, Transportation.

**EFFECTIVE DATE OF 1977 AMENDMENT**

Amendment by Pub. L. 95-95 effective Aug. 7, 1977, except as otherwise expressly provided, see section 406(d) of Pub. L. 95-95, set out as a note under section 7401 of this title.

**MODIFICATION OR RESCISSION OF RULES, REGULATIONS, ORDERS, DETERMINATIONS, CONTRACTS, CERTIFICATIONS, AUTHORIZATIONS, DELEGATIONS, AND OTHER ACTIONS**

All rules, regulations, orders, determinations, contracts, certifications, authorizations, delegations, or other actions duly issued, made, or taken by or pursuant to act July 14, 1955, the Clean Air Act, as in effect immediately prior to the date of enactment of Pub. L. 95-95 [Aug. 7, 1977] to continue in full force and effect until modified or rescinded in accordance with act July 14, 1955, as amended by Pub. L. 95-95 [this chapter], see section 406(b) of Pub. L. 95-95, set out as an Effective Date of 1977 Amendment note under section 7401 of this title.

**STUDY AND INVESTIGATION OF UNINSTALLED AIRCRAFT ENGINES**

Pub. L. 101-549, title II, § 233, Nov. 15, 1990, 104 Stat. 2529, provided that:

“(a) **STUDY.**—The Administrator of the Environmental Protection Agency and the Secretary of Transportation, in consultation with the Secretary of Defense, shall commence a study and investigation of the testing of uninstalled aircraft engines in enclosed test cells that shall address at a minimum the following issues and such other issues as they shall deem appropriate—

“(1) whether technologies exist to control some or all emissions of oxides of nitrogen from test cells;

“(2) the effectiveness of such technologies;

“(3) the cost of implementing such technologies;

“(4) whether such technologies affect the safety, design, structure, operation, or performance of aircraft engines;

“(5) whether such technologies impair the effectiveness and accuracy of aircraft engine safety design, and performance tests conducted in test cells; and

“(6) the impact of not controlling such oxides of nitrogen in the applicable nonattainment areas and on other sources, stationary and mobile, on oxides of nitrogen in such areas.

“(b) REPORT, AUTHORITY TO REGULATE.—Not later than 24 months after enactment of the Clean Air Act Amendments of 1990 [Nov. 15, 1990], the Administrator of the Environmental Protection Agency and the Secretary of Transportation shall submit to Congress a report of the study conducted under this section. Following the completion of such study, any of the States may adopt or enforce any standard for emissions of oxides of nitrogen from test cells only after issuing a public notice stating whether such standards are in accordance with the findings of the study.”

#### § 7572. Enforcement of standards

##### (a) Regulations to insure compliance with standards

The Secretary of Transportation, after consultation with the Administrator, shall prescribe regulations to insure compliance with all standards prescribed under section 7571 of this title by the Administrator. The regulations of the Secretary of Transportation shall include provisions making such standards applicable in the issuance, amendment, modification, suspension, or revocation of any certificate authorized by part A of subtitle VII of title 49 or the Department of Transportation Act. Such Secretary shall insure that all necessary inspections are accomplished, and,<sup>1</sup> may execute any power or duty vested in him by any other provision of law in the execution of all powers and duties vested in him under this section.

##### (b) Notice and appeal rights

In any action to amend, modify, suspend, or revoke a certificate in which violation of an emission standard prescribed under section 7571 of this title or of a regulation prescribed under subsection (a) is at issue, the certificate holder shall have the same notice and appeal rights as are prescribed for such holders in part A of subtitle VII of title 49 or the Department of Transportation Act, except that in any appeal to the National Transportation Safety Board, the Board may amend, modify, or revoke the order of the Secretary of Transportation only if it finds no violation of such standard or regulation and that such amendment, modification, or revocation is consistent with safety in air transportation.

(July 14, 1955, ch. 360, title II, § 232, as added Pub. L. 91-604, § 11(a)(1), Dec. 31, 1970, 84 Stat. 1704.)

#### Editorial Notes

##### REFERENCES IN TEXT

The Department of Transportation Act, referred to in subsecs. (a) and (b), is Pub. L. 89-670, Oct. 15, 1966, 80 Stat. 931, as amended, which was classified principally to sections 1651 to 1660 of former Title 49, Transportation. The Act was repealed and the provisions thereof reenacted in Title 49, Transportation, by Pub. L. 97-449, Jan. 12, 1983, 96 Stat. 2413, and Pub. L. 103-272, July 5, 1994, 108 Stat. 745. The Act was also repealed by Pub. L. 104-287, § 7(5), Oct. 11, 1996, 110 Stat. 3400. For disposition of sections of former Title 49, see Table at the beginning of Title 49.

##### CODIFICATION

In subsecs. (a) and (b), “part A of subtitle VII of title 49” substituted for “the Federal Aviation Act [49 App. U.S.C. 1301 et seq.]” and “the Federal Aviation Act of

1958 [49 App. U.S.C. 1301 et seq.]” on authority of Pub. L. 103-272, § 6(b), July 5, 1994, 108 Stat. 1378, the first section of which enacted subtitles II, III, and V to X of Title 49, Transportation.

Section was formerly classified to section 1857f-10 of this title.

#### § 7573. State standards and controls

No State or political subdivision thereof may adopt or attempt to enforce any standard respecting emissions of any air pollutant from any aircraft or engine thereof unless such standard is identical to a standard applicable to such aircraft under this part.

(July 14, 1955, ch. 360, title II, § 233, as added Pub. L. 91-604, § 11(a)(1), Dec. 31, 1970, 84 Stat. 1704.)

#### Editorial Notes

##### CODIFICATION

Section was formerly classified to section 1857f-11 of this title.

#### § 7574. Definitions

Terms used in this part (other than Administrator) shall have the same meaning as such terms have under section 40102(a) of title 49.

(July 14, 1955, ch. 360, title II, § 234, as added Pub. L. 91-604, § 11(a)(1), Dec. 31, 1970, 84 Stat. 1705.)

#### Editorial Notes

##### CODIFICATION

In text, “section 40102(a) of title 49” substituted for “section 101 of the Federal Aviation Act of 1958” on authority of Pub. L. 103-272, § 6(b), July 5, 1994, 108 Stat. 1378, the first section of which enacted subtitles II, III, and V to X of Title 49, Transportation.

Section was formerly classified to section 1857f-12 of this title.

#### PART C—CLEAN FUEL VEHICLES

#### § 7581. Definitions

For purposes of this part—

##### (1) Terms defined in part A

The definitions applicable to part A under section 7550 of this title shall also apply for purposes of this part.

##### (2) Clean alternative fuel

The term “clean alternative fuel” means any fuel (including methanol, ethanol, or other alcohols (including any mixture thereof containing 85 percent or more by volume of such alcohol with gasoline or other fuels), reformulated gasoline, diesel, natural gas, liquefied petroleum gas, and hydrogen) or power source (including electricity) used in a clean-fuel vehicle that complies with the standards and requirements applicable to such vehicle under this subchapter when using such fuel or power source. In the case of any flexible fuel vehicle or dual fuel vehicle, the term “clean alternative fuel” means only a fuel with respect to which such vehicle was certified as a clean-fuel vehicle meeting the standards applicable to clean-fuel vehicles under section 7583(d)(2) of this title when operating on clean alternative fuel (or any CARB standards which replaces such standards pursuant to section 7583(e) of this title).

<sup>1</sup> So in original. The comma probably should not appear.