

Environmental Protection Agency

§ 86.000-2

Document No. and name	40 CFR part 86 reference
2. California Non-Methane Organic Gas Test Procedures. August 5, 1999.	86.1803-01; 86.1810-01; 86.1811-04.
California Regulatory Requirements Applicable to the National Low Emission Vehicle Program, October 1996.	86.113-004; 86.612-97; 86.1012-97; 86.1702-99; 86.1708-99; 86.1709-99; 86.1717-99; 86.1735-99; 86.1771-99; 86.1775-99; 86.1776-99; 86.1777-99; Appendix XVI; Appendix XVII.

national Organization of Standardization that has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of this part, other than §86.1, in which the matter is referenced. The second column is presented for information only and may not be all inclusive. Copies of these materials may be obtained from the International Organization for Standardization, Case Postale 56, CH-1211 Geneva 20, Switzerland.

(5) *ISO material.* The following table sets forth material from the Inter-

Document No. and name	40 CFR part 86 reference
ISO 9141-2, February 1, 1994, Road vehicles—Diagnostic systems—Part 2: CARB requirements for interchange of digital information.	86.099-17; 86.1806-01; 86.1806-04; 86.005-17; 86.1806-05
ISO 14230-4:2000(E) "Road vehicles—Diagnostic systems—KWP 2000 requirements for Emission-related systems", (June 1, 2000).	86.099-17; 86.1806-01; 86.1806-04; 86.005-17; 86.1806-05
ISO 15765-4.3:2001, December 14, 2001, Road Vehicles—Diagnostics on Controller Area Network (CAN)—Part 4: Requirements for emission-related systems.	86.005-17; 86.1806-04; 86.1806-05

[58 FR 16019, Mar. 24, 1993, as amended at 58 FR 58417, Nov. 1, 1993; 59 FR 48491, 59 FR 48491, Sept. 21, 1994; 59 FR 50073, Sept. 30, 1994; 60 FR 43887, Aug. 23, 1995; 61 FR 54877, Oct. 22, 1996; 62 FR 31232, June 6, 1997; 62 FR 47119, Sept. 5, 1997; 62 FR 54715, Oct. 21, 1997; 63 FR 965, Jan. 7, 1998; 63 FR 70694, Dec. 22, 1998; 64 FR 23920, May 4, 1999; 65 FR 6848, Feb. 10, 2000; 65 FR 59944, Oct. 6, 2000; 66 FR 5159, Jan. 18, 2001; 68 FR 35798, June 17, 2003; 68 FR 35798, June 17, 2003]

Subpart A—General Provisions for Emission Regulations for 1977 and Later Model Year New Light-Duty Vehicles, Light-Duty Trucks and Heavy-Duty Engines, and for 1985 and Later Model Year New Gasoline Fueled, Natural Gas-Fueled, Liquefied Petroleum Gas-Fueled and Methanol-Fueled Heavy-Duty Vehicles

SOURCE: 42 FR 32907, June 28, 1977, unless otherwise noted.

§ 86.000-2 Definitions.

The definitions of §86.098-2 continue to apply to 1998 and later model year vehicles. The definitions listed in this section apply beginning with the 2000 model year.

AC1 means a test procedure as described in §86.162-00 which simulates testing with air conditioning operating in an environmental test cell by adding

the air conditioning compressor load to the normal dynamometer forces.

AC2 means a test procedure as described in §86.162-00 which simulates testing with air conditioning operating in an environmental test cell by adding a heat load to the passenger compartment.

Alternative fuels means any fuel other than gasoline and diesel fuels, such as methanol, ethanol, and gaseous fuels.

866 Cycle means the test cycle that consists of the last 866 seconds (seconds 505 to 1372) of the EPA Urban Dynamometer Driving Schedule, described in §86.115-00 and listed in appendix I, paragraph (a), of this part.

Environmental test cell means a test cell capable of wind-speed, solar thermal load, ambient temperature, and humidity control or simulation which meets the requirements of §86.161-00 for running emission tests with the air conditioning operating.

Federal Test Procedure, or FTP means the test procedure as described in §86.130-00 (a) through (d) and (f) which is designed to measure urban driving

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tail pipe exhaust emissions and evaporative emissions over the Urban Dynamometer Driving Schedule as described in appendix I to this part.

505 Cycle means the test cycle that consists of the first 505 seconds (seconds 1 to 505) of the EPA Urban Dynamometer Driving Schedule, described in §86.115-00 and listed in appendix I, paragraph (a), of this part.

SC03 means the test cycle, described in §86.160-00 and listed in appendix I, paragraph (h), of this part, which is designed to represent driving immediately following startup.

Supplemental FTP, or SFTP means the additional test procedures designed to measure emissions during aggressive and microtransient driving, as described in §86.159-00 over the US06 cycle, and also the test procedure designed to measure urban driving emissions while the vehicle's air conditioning system is operating, as described in §86.160-00 over the SC03 cycle.

US06 means the test cycle, described in §86.159-00 and listed in appendix I, paragraph (g), of this part, which is designed to evaluate emissions during aggressive and microtransient driving.

[61 FR 54878, Oct. 22, 1996]

§ 86.000-3 Abbreviations.

The abbreviations in §86.098-3 continue to apply to 1998 and later model year vehicles. The abbreviations in this section apply beginning with the 2000 model year:

- A/C—Air conditioning
- FTP—Federal Test Procedure
- SFTP—Supplemental Federal Test Procedure
- WOT—Wide Open Throttle

[61 FR 54878, Oct. 22, 1996]

§ 86.000-7 Maintenance of records; submittal of information; right of entry.

Section 86.000-7 includes text that specifies requirements that differ from §86.091-7, §86.094-7 or §86.096-7. Where a paragraph in §86.091-7, §86.094-7 or §86.096-7 is identical and applicable to §86.000-7, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see §86.091-7.” or “[Reserved].

For guidance see §86.094-7.” or “[Reserved]. For guidance see §86.096-7.”

(a) introductory text through (a)(2) [Reserved]. For guidance see §86.091-7.

(a)(3) [Reserved]. For guidance see §86.094-7.

(b)-(c)(2) [Reserved]. For guidance see §86.091-7.

(c)(3) [Reserved]. For guidance see §86.094-7.

(c)(4)-(d)(1)(v) [Reserved]. For guidance see §86.091-7.

(d)(1)(vi)-(d)(2)(iv) [Reserved]. For guidance see §86.094-7.

(d)(3)-(g) [Reserved]. For guidance see §86.091-7.

(h)(1) The manufacturer (or contractor for the manufacturer, if applicable) of any model year 2000 through 2002 light-duty vehicle or light light-duty truck or model year 2002 through 2004 heavy light-duty truck that is certified shall establish, maintain, and retain the following adequately organized and indexed records for each such vehicle:

- (i) EPA engine family;
- (ii) Vehicle identification number;
- (iii) Model year and production date;
- (iv) Shipment date;
- (v) Purchaser; and
- (vi) Purchase contract.

(h)(2)-(h)(5) [Reserved]. For guidance see §86.094-7.

(h)(6) Voiding a certificate. (i) EPA may void ab initio a certificate for a vehicle certified to Tier 1 certification standards or to the respective evaporative and/or refueling test procedure and accompanying evaporative and/or refueling standards as set forth or otherwise referenced in §§86.000-8, 86.000-9, or 86.098-10 for which the manufacturer fails to retain the records required in this section or to provide such information to the Administrator upon request.

(h)(6)(ii)-(h)(7)(vi) [Reserved]. For guidance see §86.096-7.

(h)(7)(vii) EPA evaporative/refueling family.

[61 FR 54878, Oct. 22, 1996]

§ 86.000-8 Emission standards for 2000 and later model year light-duty vehicles.

Section 86.000-8 includes text that specifies requirements that differ from