Verify Log of XML Schema Changes Made for Light Duty and Fuel Economy Release 11.0.0

Draft

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Compliance Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

Purpose

This document identifies modifications for Release 11.0.0 to the Verify Light Duty (LD) and Fuel Economy (FE) family of schemas.

Modified XML Files

EN_VER_LD_FE_CAFESubmissionRootElement_v0.9.xsd
EN_VER_LD_FE_LabelSubmissionRootElement_v0.9.xsd
EN_VER_LD_FE_SharedDataElements_v0.9.xsd
EN_VER_LD_SharedDataElements_v0.9.xsd

EN_VER_LD_FE_CAFESubmissionRootElement_v0.9.xsd

- The complex data type FuelEconomyCAFEFinalStatusNotificationDetailsType was added as follows:
    - Data element EPAManufacturerCode [3 characters (FE-IV2,IV-DR2,IT2,IT-DR2,GL2,10,125.5,CA0,11.5,25.1,124,FT0.7,RL1)] was added with cardinality (1,1).
    - Data element ModelYear [YYYY (FE-IV8,GL3,CA1,FT2,RL1.6,CRR)] was added with cardinality (1,1).
    - Data element ComplianceCategoryIdentifier [Enumeration of 2 identifiers (FE-CA4)] was added with cardinality (1,1).
    - Data element ManufacturerCAFEContactIDNumber [1 to 10 A-Z0-9 characters (CA)] was added with cardinality (1,1).
    - Complex data element TransactionStatusDetails [TransactionStatusDetailsType] was added with cardinality (0,1).

- The complex data type FuelEconomyCAFESubmissionType was changed as follows:
    - Complex data element FuelEconomyCAFEFinalStatusNotificationDetails [FuelEconomyCAFEFinalStatusNotificationDetailsType] was added with cardinality (0,∞).

- The complex data type FuelEconomyCAFEDetailsType was changed as follows:
    - The cardinality for data element FinalStatusIndicator [Y/N (FE-CA4.5)] was changed to (0,1).

- The complex data type SubConfigurationDetailsType was changed as follows:
    - Data element NVRatioValue [0.0 to 999.9 (FE-RL19,CA228,GL281)] was added with cardinality (0,1).

EN_VER_LD_FE_LabelSubmissionRootElement_v0.9.xsd

- The complex data type SubConfigurationDetailsType was changed as follows:
    - Data element NVRatioValue [0.0 to 999.9 (FE-RL19,CA228,GL281)] was added with cardinality (0,1).

XML Shared Data Element and Data Type File Modifications

The annotation following the data element name references the corresponding data element identifiers in the data requirements (DR) spreadsheet. Note that some data elements may be used in more locations in the schemas than defined in the DR spreadsheet.

EN_VER_LD_FE_SharedDataElements_v0.9.xsd

- Data element ManufacturerCAFEContactIDNumber [1 to 10 A-Z0-9 characters (CA)] was added with data type CharAndDigit1To10StringType.
- Data type CharAndDigit1To10StringType [1 to 10 A-Z0-9 characters type definition] was added.
- The annotation for data element NVRatioValue was changed to "0.0 to 999.9 (FE-RL19,CA228,GL281)."

EN_VER_LD_ SharedDataElements_v0.9.xsd

- The annotation for data element CAEvaporativeEmissionStandardsIdentifier was changed to "Enumeration of 5 identifiers (LD-DI12)."
- The annotation for data element CAExhaustEmissionStandardIdentifier was changed to "Enumeration of 43 identifiers (LD-DI10)."
- The annotation for data element EvaporativeEmissionsStandardLevelIdentifier was changed to "Enumeration of 10 identifiers (LD-TG224,SI57B)."
- The annotation for data element ExhaustEmissionsStandardLevelIdentifier was changed to "Enumeration of 48 identifiers (LD-TG201,SI57A)."
- The annotation for data element TestFuelTypeIdentifier was changed to "Enumeration of 30 identifiers (LD-TI9,FP4,DI19,38.5,IT15)."
- The annotation for data element TestProcedureIdentifier was changed to "Enumeration of 36 identifiers (LD-TG204.5,223.5,TI8,SI41.5,92,98,DI18,38)."
- The annotation for data element TestResultIdentifier was changed to "Enumeration of 39 identifiers (LD-TG209,225,SI59,71,TI19,IT28)."
- Data type CAEvaporativeEmissionStandardsIdentifierType [Enumeration of 5 identifiers type definition] was updated as follows:
    - The annotation for 'C2' was changed to "California LEV-II evap."
    - The annotation for 'ZZ' was changed to "California LEV-II zero evap."
    - '3Z' [California LEV-III zero evap (Option 1)] was added.
    - '4Z' [California LEV-III zero evap (Option 2)] was added.
- Data type CAExhaustEmissionStandardIdentifierType [Enumeration of 43 identifiers type definition] was updated as follows:
    - The annotation for 'L2' was changed to "California LEV-II LEV."
    - The annotation for 'L2OP' was changed to "California LEV-II LEV optional."
    - The annotation for 'U2' was changed to "California LEV-II ULEV."
    - The annotation for 'S2' was changed to "California LEV-II SULEV."
    - The annotation for 'ZEV' was changed to "California ZEV."
    - The annotation for 'PZEV' was changed to "California PZEV."
    - 'L2LEV160' [California LEV-II LEV160] was added.
    - 'L2ULEV125' [California LEV-II ULEV125] was added.
    - 'L2SULEV30' [California LEV-II SULEV30] was added.
    - 'L2LEV395' [California LEV-II LEV395] was added.
    - 'L2ULEV340' [California LEV-II ULEV340] was added.
    - 'L2SULEV170' [California LEV-II SULEV170] was added.

- o 'L2LEV630' [California LEV-II LEV630] was added.
  - o 'L2ULEV570' [California LEV-II ULEV570] was added.
  - o 'L2SULEV230' [California LEV-II SULEV230] was added.
  - o 'L3LEV160' [California LEV-III LEV160] was added.
  - o 'L3ULEV125' [California LEV-III ULEV125] was added.
  - o 'L3ULEV70' [California LEV-III ULEV70] was added.
  - o 'L3ULEV50' [California LEV-III ULEV50] was added.
  - o 'L3SULEV30' [California LEV-III SULEV30] was added.
  - o 'L3SULEV20' [California LEV-III SULEV20] was added.
  - o 'L3LEV395' [California LEV-III LEV395] was added.
  - o 'L3ULEV340' [California LEV-III ULEV340] was added.
  - o 'L3ULEV250' [California LEV-III ULEV 250] was added.
  - o 'L3ULEV200' [California LEV-III ULEV200] was added.
  - o 'L3SULEV170' [California LEV-III SULEV170] was added.
  - o 'L3SULEV150' [California LEV-III SULEV150] was added.
  - o 'L3LEV630' [California LEV-III LEV630] was added.
  - o 'L3ULEV570' [California LEV-III ULEV570] was added.
  - o 'L3ULEV400' [California LEV-III ULEV400] was added.
  - o 'L3ULEV270' [California LEV-III ULEV270] was added.
  - o 'L3SULEV230' [California LEV-III SULEV230] was added.
  - o 'L3SULEV200' [California LEV-III SULEV200] was added.
- Data type EvaporativeEmissionsStandardLevelIdentifierType [Enumeration of 10 identifiers type definition] was updated as follows:
  - o The annotation for 'T1' was changed to "Federal tier 1 enhanced evap (2 day + 3 day)."
  - o The annotation for 'C2' was changed to "California LEV-II evap."
  - o The annotation for 'ZZ' was changed to "California LEV-II zero evap."
  - o '3Z' [California LEV-III zero evap (Option 1)] was added.
  - o '4Z' [California LEV-III zero evap (Option 2)] was added.
- Data type ExhaustEmissionsStandardLevelIdentifierType [Enumeration of 48 identifiers type definition] was updated as follows:
  - o The annotation for 'B1' was changed to "Federal Tier 2, bin 1."
  - o The annotation for 'B2' was changed to "Federal Tier 2, bin 2."
  - o The annotation for 'B3' was changed to "Federal Tier 2, bin 3."
  - o The annotation for 'B4' was changed to "Federal Tier 2, bin 4."
  - o The annotation for 'B5' was changed to "Federal Tier 2, bin 5."
  - o The annotation for 'B6' was changed to "Federal Tier 2, bin 6."
  - o The annotation for 'B7' was changed to "Federal Tier 2, bin 7."
  - o The annotation for 'B8' was changed to "Federal Tier 2, bin 8."
  - o The annotation for 'B9' was changed to "Federal Tier 2, bin 9."
  - o The annotation for 'B10' was changed to "Federal Tier 2, bin 10."
  - o The annotation for 'B11' was changed to "Federal Tier 2, bin 11."
  - o The annotation for 'B12' was changed to "Federal Tier 2, bin 12."
  - o The annotation for 'L2' was changed to "California LEV-II LEV."
  - o The annotation for 'L2OP' was changed to "California LEV-II LEV optional."
  - o The annotation for 'U2' was changed to "California LEV-II ULEV."
  - o The annotation for 'S2' was changed to "California LEV-II SULEV."
  - o The annotation for 'ZEV' was changed to "California ZEV."
  - o The annotation for 'PZEV' was changed to "California PZEV."
  - o 'L2LEV160' [California LEV-II LEV160] was added.
  - o 'L2ULEV125' [California LEV-II ULEV125] was added.
  - o 'L2SULEV30' [California LEV-II SULEV30] was added.
  - o 'L2LEV395' [California LEV-II LEV395] was added.
  - o 'L2ULEV340' [California LEV-II ULEV340] was added.

- o 'L2SULEV170' [California LEV-II SULEV170] was added.
- o 'L2LEV630' [California LEV-II LEV630] was added.
- o 'L2ULEV570' [California LEV-II ULEV570] was added.
- o 'L2SULEV230' [California LEV-II SULEV230] was added.
- o 'L3LEV160' [California LEV-III LEV160] was added.
- o 'L3ULEV125' [California LEV-III ULEV125] was added.
- o 'L3ULEV70' [California LEV-III ULEV70] was added.
- o 'L3ULEV50' [California LEV-III ULEV50] was added.
- o 'L3SULEV30' [California LEV-III SULEV30] was added.
- o 'L3SULEV20' [California LEV-III SULEV20] was added.
- o 'L3LEV395' [California LEV-III LEV395] was added.
- o 'L3ULEV340' [California LEV-III ULEV340] was added.
- o 'L3ULEV250' [California LEV-III ULEV 250] was added.
- o 'L3ULEV200' [California LEV-III ULEV200] was added.
- o 'L3SULEV170' [California LEV-III SULEV170] was added.
- o 'L3SULEV150' [California LEV-III SULEV150] was added.
- o 'L3LEV630' [California LEV-III LEV630] was added.
- o 'L3ULEV570' [California LEV-III ULEV570] was added.
- o 'L3ULEV400' [California LEV-III ULEV400] was added.
- o 'L3ULEV270' [California LEV-III ULEV270] was added.
- o 'L3SULEV230' [California LEV-III SULEV230] was added.
- o 'L3SULEV200' [California LEV-III SULEV200] was added.
- Data type FederalExhaustEmissionStandardIdentifierType [Enumeration of 15 identifiers type definition] was updated as follows:
  - o The annotation for 'B1' was changed to "Federal Tier 2, bin 1."
  - o The annotation for 'B2' was changed to "Federal Tier 2, bin 2."
  - o The annotation for 'B3' was changed to "Federal Tier 2, bin 3."
  - o The annotation for 'B4' was changed to "Federal Tier 2, bin 4."
  - o The annotation for 'B5' was changed to "Federal Tier 2, bin 5."
  - o The annotation for 'B6' was changed to "Federal Tier 2, bin 6."
  - o The annotation for 'B7' was changed to "Federal Tier 2, bin 7."
  - o The annotation for 'B8' was changed to "Federal Tier 2, bin 8."
  - o The annotation for 'B9' was changed to "Federal Tier 2, bin 9."
  - o The annotation for 'B10' was changed to "Federal Tier 2, bin 10."
  - o The annotation for 'B11' was changed to "Federal Tier 2, bin 11."
  - o The annotation for 'B12' was changed to "Federal Tier 2, bin 12."
- Data type TestFuelTypeIdentifierType [Enumeration of 30 identifiers type definition] was updated as follows:
  - o '46' [CARB LEV3 E10 gasoline] was added.
- Data type TestProcedureIdentifierType [Enumeration of 36 identifiers type definition] was updated as follows:
  - o '16' [HOT 1435 LA92] was added.
  - o '96' [US06 BAG 2 ONLY] was added.
- Data type TestResultIdentifierType [Enumeration of 39 identifiers type definition] was updated as follows:
  - o 'NMOG+NOX' [Non-methane Organic Gases Plus Nitrogen Oxides] was added.
  - o 'NMOG+NOX-COMP' [SFTP Composite Non-methane Organic Gases Plus Nitrogen Oxides] was added.
- Data type VehicleClassIdentifierType [Enumeration of 11 identifiers type definition] was updated as follows:
  - o The annotation for 'M6' was changed to "California LEV 2/3 MDV GVW 8501-10000."
  - o The annotation for 'M7' was changed to "California LEV 2/3 MDV GVW 10001-14000."