Engines and Vehicles Compliance Information System (EV-CIS)
Log of XML Schema Changes for
Heavy-Duty Highway Engines Release 21.0 – 08/05/2016

Purpose

This document identifies modifications for Release 21.0 to the EV-CIS Heavy-Duty Highway (HDH) Engines family of schemas.

Modified XML Files
EN_VER_SharedDataElements_v0.95.xsd

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_SharedDataElements_v0.95.xsd

The following data element updates were implemented:
- The data type for data element DownwardAdjustmentFactorValue [-99,999.999999 to 99,999.999999 (HDH-144)] was changed to Decimal11Point6Type.
- The data type for data element EmissionTestWithoutRegenerationEFLMeasure [0.000000 to 99,999.999999 (HDH-141)] was changed to Decimal11Point6NonNegativeType.
- The data type for data element EmissionTestWithRegenerationEFHMeasure [0.000000 to 99,999.999999 (HDH-142)] was changed to Decimal11Point6NonNegativeType.
- The data type for data element AverageEmissionFactorValue [0.000000 to 99,999.999999 (HDH-284)] was changed to Decimal11Point6NonNegativeType.
- The data type for data element SteadyStatePollutantTestResultInitialValue [0.000000 to 9,999.999999 (HDH-183)] was changed to Decimal10Point6NonNegativeType.
- The data type for data element SteadyStateCycleWorkMeasure [0.000001 to 9,999.999999 (HDH-285)] was changed to Decimal10Point6PositiveType.
- The data type for data element TransientColdStartCycleWorkMeasure [0.000001 to 9,999.999999 (HDH-286)] was changed to Decimal10Point6PositiveType.
- The data type for data element TransientHotStartCycleWorkMeasure [0.000001 to 9,999.999999 (HDH-287)] was changed to Decimal10Point6PositiveType.
- The data type for data element TransientColdStartPollutantTestResultInitialValue [0.000000 to 9,999.999999 (HDH-192)] was changed to Decimal10Point6NonNegativeType.
- The data type for data element TransientHotStartPollutantTestResultInitialValue [0.000000 to 9,999.999999 (HDH-190)] was changed to Decimal10Point6NonNegativeType.
- The data type for data element UpwardAdjustmentFactorValue [-99,999.999999 to 99,999.999999 (HDH-143)] was changed to Decimal11Point6Type.

The following data type updates were implemented:
- Data type Decimal11Point6Type [-99,999.999999 to 99,999.999999 decimal type definition] was added.
- Data type Decimal10Point6PositiveType [0.000001 to 9,999.999999 decimal type definition] was added.
- Data type Decimal10Point6NonNegativeType [0.000000 to 9,999.999999 decimal type definition] was added.
- Data type Decimal11Point6NonNegativeType [0.000000 to 99,999.999999 decimal type definition] was added.