

VERIFY
Schema Change Log
for changes made for
Release 4b.6

This document identifies XML schema changes for the VERIFY application family made for the deployment of VERIFY Release 4b.6, March, 2009. Under each referenced XML file name is the root element XML file name of the application(s) that uses the referenced XML file.

EN_VER_VCS_DocumentDetailsDataElement_v0.8.xsd

(EN_VER_VCS_FileUploadSubmission_v0.8.xsd)

- Several Enumerations were changed and updated according to attached file named FinalNewDocumentTypes.xls

EN_VER_FE_LABELDataElements_v0.85.xsd

(EN_VER_FE_LabelSubmissionRootElement_v0.85.xsd)

- The data element "ReleaseDate" was added to the schema.

EN_VER_EmissionsStandardsCertificationLevelsDataElements_v0.85.xsd

(EN_VER_LD_CFT_DecisionInformationSubmissionRootElement_v0.86.xsd)

- The Enumerations B1- B8 were added to CAExhaustEmissionStandardIdentifier data element

VERIFY

Schema Change Log for changes made for Release 4b.5

This document identifies XML schema changes for the VERIFY application family made for the deployment of VERIFY Release 4b.5, January, 2008. Under each referenced XML file name is the root element XML file name of the application(s) that uses the referenced XML file.

EN_VER_EngineIdentificationDetailsDataElement_v0.85.xsd

(EN_VER_HDIU_HeavyDutyInUseSubmissionInformationRootElement_v0.85.xsd)

- The data type for data element `EngineModelDegignator` was changed from the pattern `[0-9A-Z \-]{15}` (enforcing exactly 15 characters) to `[0-9A-Z \-]{1,15}` (allowing 1 to 15 characters) at EPA's request.
- The data type for data element `EngineCodeDegignator` was changed from the pattern `[0-9A-Z \-]{10}` (enforcing exactly 10 characters) to `[0-9A-Z \-]{1,10}` (allowing 1 to 10 characters) at EPA's request.

EN_VER_TestGroupIdentificationDataElements_v0.85.xsd

(EN_VER_LD_CD_CertificationDataSubmissionRootElement_v0.85.xsd)

- The data type for data element `DurabilityGroupEquivalencyFactorValue` was changed from `DurabilityGroupEquivalencyFactorValueType`, a data element specific numeric type, to `String200CharType`, a 200-character string data type, at EPA's request.

EN_VER_ProjectedSalesDataElements_v0.85.xsd

(EN_VER_LD_CD_CertificationDataSubmissionRootElement_v0.85.xsd)

- The data type for data element `CertificationProjectedSalesCount` was changed from a positive integer range of 1-9,999,999 to a non-negative integer range of 0-9,999,999 at EPA's request.

EN_VER_TestInformationDataElements_v0.85.xsd

(EN_VER_LD_CTD_TestVehicleInformationSubmissionRootElement_v0.85.xsd)

(EN_VER_LD_CTD_TestInformationSubmissionRootElement_v0.85.xsd)

- The data type for data element `TestProcedureIdentifier` was change from an enumeration of 33 identifiers to 29 identifiers by removing identifiers 80, 81, 82 and 83 at EPA's request.

EN_VER_IUVP_InUseVerificationProgramDataElements_v0.85.xsd

(EN_VER_IUVP_v0.85.xsd)

- The data type for data element `TestProcedureIdentifier`, also defined in this file, was change from an enumeration of 33 identifiers to 29 identifiers by removing identifiers 80, 81, 82 and 83 at EPA's request.

EN_VER_LD_EmissionsDetailsDataElements_v0.85.xsd

(EN_VER_LD_CFT_SupplementalInformationSubmissionRootElement_v0.85.xsd)

(EN_VER_LD_CD_CertificationDataSubmissionRootElement_v0.85.xsd)

- The data type for data element `TestProcedureIdentifier`, also defined in this file, was change from an enumeration of 33 identifiers to 29 identifiers by removing identifiers 80, 81, 82 and 83 at EPA's request.

VERIFY

Light Duty Schema Change Log for changes made for Release 4b.4

This document identifies XML schema changes for the VERIFY Light Duty (LD) application family made for the deployment of VERIFY LD Release 4b.4, December, 2008.

EN_VER_VCS_DocumentDetailsDataElement.xsd

- The data type for data element PrimaryDocumentFileName was changed from NormalizedString50CharType to NormalizedString100CharType at EPA's request.
- The data type for data element OriginalDocumentName was changed from NormalizedString50CharType to NormalizedString100CharType at EPA's request.
- The data type for data element AlternateFormatDocumentName was changed from NormalizedString50CharType to NormalizedString100CharType at EPA's request.
- The enumerations "ALT FUEL CONVERSION DATA SUBMISSION FORM (GT 3Y AND GT 50000M)" and "CAFE DATA FILE MY2008 MY2009" were added to data type CCDDocumentTypeIdentifierType.
- The file EN_VER_VCS_NormString100DataType_v0.8.xsd was included to enable the first 3 changes.
- Several data element annotations were adjusted. These changes have no functional impact.

EN_VER_FE_LabelSubmissionRootElement_v0.85.xsd

- The complex data element SubConfigurationSalesInformationDetails, with associated data type SubConfigurationSalesInformationDetailsType, was added to complex data element SubConfigurationDetails, with cardinality 1 to many, at EPA's request. The new complex data element reuses the data elements EPAManufacturerCode, ManufacturerDivisionCode and CarlineCode and takes the data elements TestGroupName and SubConfigurationProjectedSalesNumber from complex data element SubConfigurationDetails.

EN_VER_FE_LabelDataElements_v0.85.xsd

- Several data element annotations were adjusted. These changes have no functional impact.

VERIFY
Light Duty Schema Change Log
for Changes Made for Release 4b.3 (11/14/2008)

This document identifies XML schema changes for the VERIFY LD application family that we have made since the last delivery of the schemas (4b.2).

Certification Test

- No Changes

Confirmatory Test

- In the Supplemental Information schema, the following changes were made:
 - Test procedures 62 and 63 were added to the list of Test procedures that Supplemental Information can be submitted about.
 - The Additive DF field was made optional for the Evaporative Standards.

IUVP

- No Changes

Certification

- In the Certification Data (Test Group) schema
 - The Additive DF field was made optional for the Evaporative Standards.

Fuel Economy

- In the Label schema
 - "T – Truck" was added to the list of Gas Guzzler Exemption Types.

VERIFY
Light Duty Schema Change Log
for changes made in
October 2008

This document identifies XML schema changes for the VERIFY LD application family as identified after the deployment of VERIFY LightDuty Release 4b in September, 2008.

EN_VER_ShiftScheduleIdentifierDataElements_v0.85.xsd

- The data type for data element `ShiftSchedulePreparationIdentifier` was changed from `CharFourStringDataType` to `CharOneToFourStringDataType`.

EN_VER_LD_CFT_SupplementalInformationSubmissionRootElement_v0.85.xsd

- The cardinality of data element `ShiftScheduleIdentifier` was changed from 1-1 (Required) to 0-1 (Optional) in complex data element `SupplementalTestProcedureDetails`.

EN_VER_LD_CFT_ShiftScheduleSubmissionRootElement_v0.85.xsd

- The data element `ExceptionPointCode` was removed from the complex data element `ShiftPointDetails`.

VERIFY

Light Duty Schema Change Log for Changes Made Between 09/12/08 and 09/22/08

This document identifies XML schema changes for the VERIFY LD application family that we have made since the last delivery of the schemas (9/12/2008).

Certification Test

- In Vehicle Information, the following changes were made:
 - GrossVehicleWeightRatingValue was made optional
 - In AgedComponentUsageIdentifier, the value of 'NA' was changed to '4' so that it matches the enumerated list of useful life fields in emission standards.

Confirmatory Test

- In the Supplemental Information schema, the following changes were made:
 - CertificationInUseCode has had the values of 'IU' (In-Use) and 'B' (Both Certification and In-Use) added to its list of allowed values. These values are only intended to be used in the Certification Data schema, but the change was made to both schemas for consistency.
 - ExhaustEmissionsStandardValueText and EvaporativeEmissionsStandardValueText have had their regular expression patterns changed. These fields now allow a number to start or end with a decimal.

IUVP

- No Changes

Certification

- In the Certification Data (Test Group) schema
 - CertifiedModelsDetails inside of CertificationEvaporativeInformationDetails is now required.
 - CertificationInUseCode has had the values of 'IU' (In-Use) and 'B' (Both Certification and In-Use) added to its list of allowed values.
 - ExhaustEmissionsStandardValueText and EvaporativeEmissionsStandardValueText have had their regular expression patterns changed. These fields now allow a number to start or end with a decimal.

Fuel Economy

- In the Label schema
 - ManufacturerUnroundedUnadjustedBaseLevelDetails and ManufacturerFiveCycleUnroundedAdjustedBaseLevelDetails inside of FuelUsageDetails are now optional.

VERIFY

Light Duty Schema Change Log for changes made in August & September 2008

This document identifies XML schema changes for the VERIFY LD application family that were done since the last delivery of schema (7/2008).

Certification Test

- In Test Information the following EPA Generated fields were made optional:
 - UnroundedUnadjustedFuelEconomyValue
 - SystemMileageValue
 - RoundedAdjustedFuelEconomyValue.

Also, the following fields under the EPAGeneratedExhaustDetails element were made optional:

- RoundedEmissionResultValue,
- CalculatedCertificationLevelValue,
- CertificationDispositionCode

Also, the following fields under the EPAGeneratedEvaporativeDetails element were made optional:

- AdditiveDeteriorationFactorValue,
- RoundedEmissionResultValue,
- CalculatedCertificationLevelValue,
- CertificationDispositionCode

Confirmatory Test

- For the Decision Information schema the following fields in the EPA Generated section were made optional:
 - EPATestDecisionIndicator,
 - AssignedTestDate,
 - PrepCyclesNumber,
 - EPATestDetails
- For the Decision Information schema the following fields were removed from the TestProcedureInformationDetails element:
 - TestProcedureIdentifier
 - TestFuelTypeCode
- For the Supplemental Information schema the Exhaust Standards element was made optional.
- For the Shift Schedule schema the Shift Schedule Identifier was changed from being a 4 character field to a 1-4 character field.

IUVP

- EPA Generated fields were added to the both the Vehicle and Test dataset sections of the IUVP schema.
- New Dynamometer type enumerations were added to the Test dataset section of the IUVP schema.

Certification

- In the Certification Data (Test Group) schema
 - EvaporativeTestNumberDetails was made optional
 - DurabilityGroupEquivalencyFactorValue was changed to allow three digits past the decimal. E.g. 2.001

Fuel Economy

- In the CAFE schema
 - ConfigurationDetails (inside of BaseLevelDetails) is now required
 - All of the fields inside of ConfigurationDetails (ConfigurationIndexNumber, TransmissionConfigurationCode, EngineCodeText, AxleRatioValue, SubConfigurationDetails) are now required
 - CalculationDetails are now required
 - All of the fields inside of ModelTypeFootprintDetails (FootprintIndexNumber, FinalModelYearProductionNumber and TargetMilesPerGallonValue) are now required
 - ModelTypeFootprintDetails itself is now required (inside of ReformedModelTypeDetails)
 - ManufacturerCalculatedUnroundedReformedStandardValue inside of ReformedStandardCalculationDetails is now required
 - SubConfigurationIndexNumber, RoadLoadHorsepowerValue, EquivalentTestWeightValue, SubConfigurationFinalModelYearProductionNumber, SaleAltitudeCode, TestGroupName inside of (SubConfigurationDetails) are now required
 - TestNumberIdentifier, DataSubstitutionIndicator and AveragingMethodIdentifier inside of TestVehicleDetails are now required.