



**FV16    Finished vehicles - Vehicle Status Report**

Vehicle status report messages are usually sent by the OEM as a reply to a vehicle status request message sent previously by an LSP to the OEM.

VERSION No:    V1R1  
DATE:            SEPTEMBER 2022  
Author:         ECG/Odette/VDA

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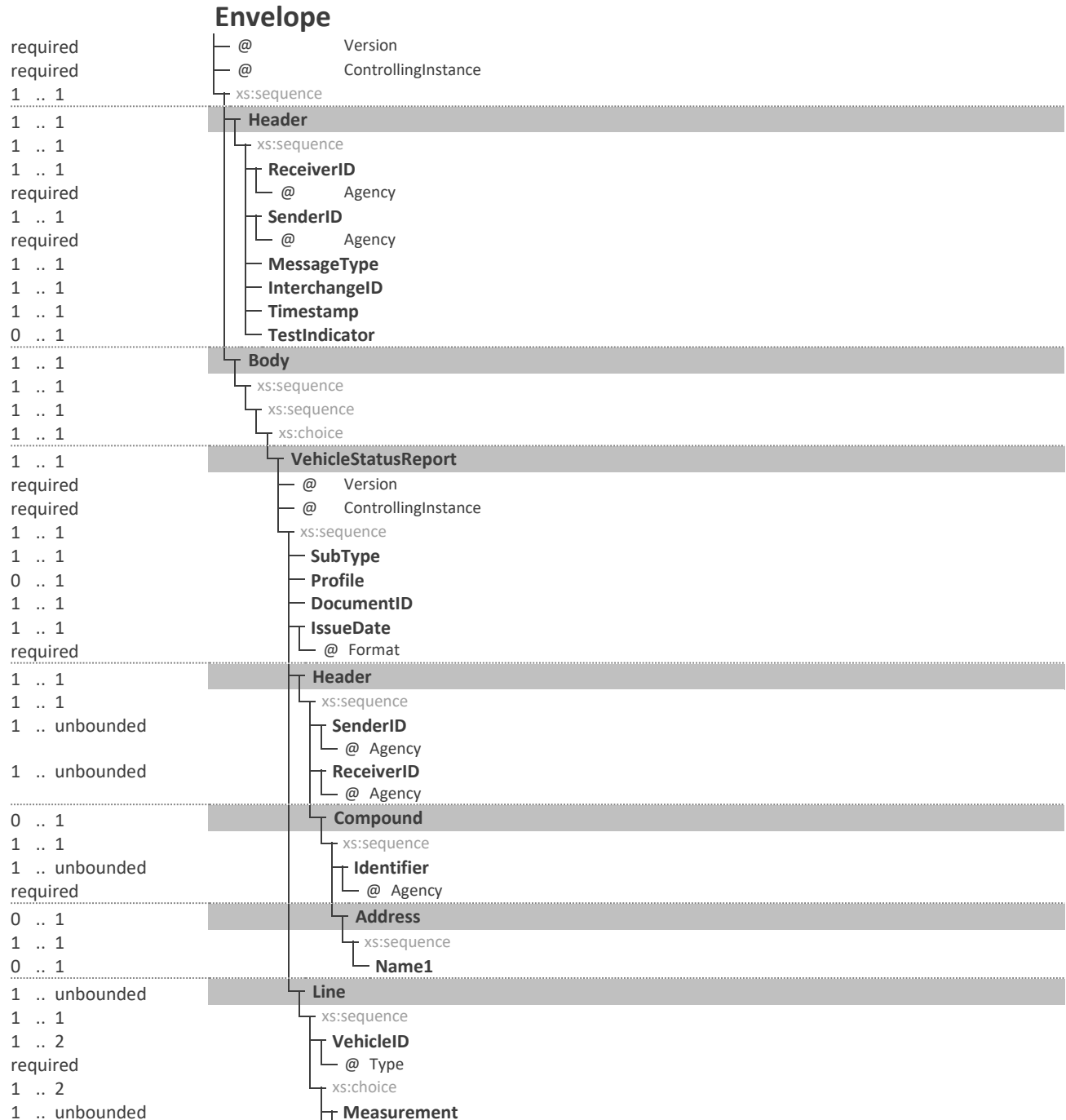
**CHANGE HISTORY**

No	Changes
01	Date Version Change Description Path
02	Date Version Change Description Path
03	Date Version Change Description Path
04	Date Version Change Description Path
05	Date Version Change Description Path
06	Date Version Change Description Path
07	Date Version Change Description Path

## STRUCTURE

## Occurrence

## Element/Attribute



Bold = Simple Element, Bold on grey background = Complex Element, @ + Italic = Attribute, Grey = Group

## STRUCTURE

Occurrence	Element/Attribute
1 .. 1	@ Qualifier
0 .. unbounded	@ UoM
0 .. 1	@ MeasuredAttribute
	xs:sequence
	<b>StatusCode</b>
	<b>Location</b>
	@ Lat
	@ Lon
1 .. 1	xs:sequence
0 .. 1	<b>LocationID</b>
	@ Agency

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## GUIDELINE

Element/Attribute	Annotation
<b>Envelope</b>	<p><b>Type</b> extension (EnvelopeType)</p> <p><b>Remark</b> The Envelope element provides a wrapper around the message that can be used by traditional EDI-systems and web-services to identify the message sender and receiver on a technical level rather than the commercial level. It contains also a unique interchange number for tracking, tracing and reference, a timestamp and an indicator, whether the interchange is a test.</p> <p>To keep it simple each envelope contains exactly one specified business message in its Body sub-element. For technical reasons (e.g. to select the correct converter-procedure in the EDI-system) this business message type must be specified in the Envelope/Header element as well.</p>
@ <i>Version</i>	<p><b>Type</b> xs:normalizedString</p> <p><b>Fixed</b> 2022A</p> <p><b>Use</b> required</p> <p><b>WhiteSpace</b> replace</p> <p><b>Remark</b> Schema version</p> <p><b>Applicable Codes</b></p> <p>2022A</p>
@ <i>ControllingInstance</i>	<p><b>Type</b> xs:string</p> <p><b>Fixed</b> Odette</p> <p><b>Use</b> required</p> <p><b>Remark</b> To indicate the author (fixed: Odette)</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Header</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> EnvelopeHeaderType</p> <p><b>Remark</b> This element contains the interchange information of the data exchange.</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>ReceiverID</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> PartyIdentifierType</p> <p><b>Length</b> 1 .. 70</p> <p><b>Remark</b> Technical ID of the receiver - e.g. address of a web-service or OFTP2-ID</p>
@ <i>Agency</i>	<p><b>Type</b> IdentifierAssigningAgencyCode</p> <p><b>Use</b> required</p> <p><b>Remark</b> Responsible agency or organisation assigning the identifier.</p> <p><b>Applicable Codes</b></p> <p><b>Buyer</b> Identifier assigned by the buyer (customer)</p> <p><b>DUNS</b> D.U.N.S. number, assigned by Dun and Bradstreet</p> <p><b>Odette</b> Assigned by Odette</p>

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## GUIDELINE

Element/Attribute	Annotation
<b>SenderID</b>	<b>Applicable Codes</b>
	<b>Operator</b> Assigned by the owner of the operation
	<b>Seller</b> Identifier assigned by the supplier
	<b>Occurrence</b> 1 .. 1
	<b>Type</b> PartyIdentifierType
<b>@ Agency</b>	<b>Length</b> 1 .. 70
	<b>Remark</b> Technical ID of the sender - e.g. address of a web-service or OFTP2-ID
	<b>Type</b> IdentifierAssigningAgencyCode
	<b>Use</b> required
	<b>Remark</b> Responsible agency or organisation assigning the identifier.
	<b>Applicable Codes</b>
	<b>Buyer</b> Identifier assigned by the buyer (customer)
	<b>DUNS</b> D.U.N.S. number, assigned by Dun and Bradstreet
	<b>Odette Operator</b> Assigned by Odette
	<b>Seller</b> Identifier assigned by the supplier
<b>MessageType</b>	<b>Occurrence</b> 1 .. 1
	<b>Type</b> ElectronicDocumentTypeCode
	<b>Remark</b> The message type as identified in the web service.
<b>InterchangeID</b>	<b>Applicable Codes</b>
	<b>VehicleStatusReport</b>
	<b>Occurrence</b> 1 .. 1
	<b>Type</b> xs:string
	<b>Remark</b> The unique ID assigned by the connector to the interchange. Recommended: combination of sender's URL+timestamp
<b>Timestamp</b>	<b>Occurrence</b> 1 .. 1
	<b>Type</b> xs:dateTime
	<b>Remark</b> Date and time of generation of the envelope (may differ from the message date itself), local time CCYY-MM-DDTHH:MM:SS - example: 2010-10-04T10:15:32
<b>TestIndicator</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> xs:boolean
	<b>Default</b> false
<b>Body</b>	<b>Remark</b> To mark the interchange as test (true).
	<b>Occurrence</b> 1 .. 1
	<b>Type</b> EnvelopeBodyType
	<b>Remark</b> The Body element contains the business message and - in some cases - Attachments.

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## GUIDELINE

Element/Attribute	Annotation
xs:sequence	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
xs:choice	Occurrence 1 .. 1
	Remark Here, exactly one of the defined message elements follows.
<b>VehicleStatusReport</b>	Occurrence 1 .. 1
	Type extension (ElectronicDocumentType_2)
	Remark Status report messages for transport are exchanged between the LSP and the OEM at various stages in the distribution process (e.g. when a vehicle or transport means is ready to be loaded for a transport, has left a compound, has arrived at a compound, is taken over by the next party in the distribution process, or to give the current location during a transport, etc.). Status report messages for vehicles are usually sent by the OEM as a reply to a vehicle status request message sent previously by an LSP to the OEM.
@ <i>Version</i>	Type xs:normalizedString
	Fixed 1.1
	Use required
	WhiteSpace replace
	Remark Schema version
	<b>Applicable Codes</b>
	1.1
@ <i>ControllingInstance</i>	Type ControllingInstanceCode
	Fixed Odette
	Use required
	Remark To indicate the author.
	<b>Applicable Codes</b>
	Odette
	VDA
xs:sequence	Occurrence 1 .. 1
<b>SubType</b>	Occurrence 1 .. 1
	Type ElectronicDocumentSubTypeCode
	Remark To define the sub-type of the document - see codes
	<b>Applicable Codes</b>
	VehicleStatus Transmits technical status information of a vehicle
<b>Profile</b>	Occurrence 0 .. 1
	Type xs:string
	Name To identify the implementation profile of the message (e.g. the underlying business process etc.)
<b>DocumentID</b>	Occurrence 1 .. 1
	Type string_1_35
	Length 1 .. 35

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## GUIDELINE

Element/Attribute	Annotation
<b>IssueDate</b>	<p><b>Remark</b> The number issued by the creator of the document.</p> <p><b>Occurence</b> 1 .. 1</p> <p><b>Type</b> DateType2</p>
<b>@ <i>Format</i></b>	<p><b>Remark</b> Issue date / time of this message</p> <p><b>Type</b> DateTypeFormatCode</p> <p><b>Use</b> required</p> <p><b>Remark</b> When the format qualifier CCYYMMDDhhmmZhmm is used, the time is displayed according to UTC (Universal Time Coordinated) with the time deviation (+ or -) in hours and minutes.</p> <p>201901011000+0000: 1 January 2019 10:00 UTC</p> <p>201901011000+0100: 1 January 2019 10:00 UTC + 1 hour. This corresponds to the Central European Time.</p> <p>201901011000-0600: 1 January 2019 10:00 UTC - 6 hour. This corresponds to the Central Standard Time (CST).</p> <p><b>Applicable Codes</b></p> <p><b>CCYYMMDD</b> Date</p> <p><b>CCYYMMDDhhmm</b> Date and time</p> <p><b>CCYYMMDDhhmmZhmm</b> Date &amp; time with time zone offset, e. g. 20190124153000+0100 =&gt; 24.01. 2019 15:30:00 Berlin time zone (UTC +1 hour)</p> <p><b>CCYYMMDDhhmmss</b> Date &amp; time including seconds</p> <p><b>CCYYMMDDhhmmssZhmm</b> Date &amp; time including seconds with time zone</p>
<b>Header</b>	<p><b>Occurence</b> 1 .. 1</p> <p><b>Type</b> VehicleStatusHeaderType</p> <p><b>Remark</b> Header of VehicleStatusRequest or VehicleStatusResponse</p>
<b>xs:sequence</b>	<p><b>Occurence</b> 1 .. 1</p>
<b>SenderID</b>	<p><b>Occurence</b> 1 .. unbounded</p> <p><b>Type</b> IdentifierType</p> <p><b>Length</b> 1 .. 20</p> <p><b>Remark</b> A unique identifier of the sender</p>
<b>@ <i>Agency</i></b>	<p><b>Type</b> IdentifierAssigningAgencyCode</p> <p><b>Remark</b> Responsible agency or organisation assigning the identifier.</p> <p><b>Applicable Codes</b></p> <p><b>Buyer</b> Identifier assigned by the buyer (customer)</p> <p><b>DUNS</b> D.U.N.S. number, assigned by Dun and Bradstreet</p> <p><b>Odette</b> Assigned by Odette</p> <p><b>Seller</b> Identifier assigned by the supplier</p>

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## GUIDELINE

Element/Attribute	Annotation
<b>ReceiverID</b>	<b>Occurrence</b> 1 .. unbounded <b>Type</b> IdentifierType <b>Length</b> 1 .. 20 <b>Remark</b> A unique identifier of the receiver
<b>@ Agency</b>	<b>Type</b> IdentifierAssigningAgencyCode <b>Remark</b> Responsible agency or organisation assigning the identifier.
<b>Applicable Codes</b>	
<b>Buyer</b>	Identifier assigned by the buyer (customer)
<b>DUNS</b>	D.U.N.S. number, assigned by Dun and Bradstreet
<b>Odette Seller</b>	Assigned by Odette Identifier assigned by the supplier
<b>Compound</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> PartyType_4 <b>Remark</b> To identify the compound the vehicle is currently stored at.
<b>xs:sequence</b>	<b>Occurrence</b> 1 .. 1
<b>Identifier</b>	<b>Occurrence</b> 1 .. unbounded <b>Type</b> PartyIdentifierType <b>Length</b> 1 .. 70 <b>Remark</b> Unique identifier of a party / business partner
<b>@ Agency</b>	<b>Type</b> IdentifierAssigningAgencyCode <b>Use</b> required <b>Remark</b> Responsible agency or organisation assigning the identifier.
<b>Applicable Codes</b>	
<b>Buyer</b>	Identifier assigned by the buyer (customer)
<b>DUNS</b>	D.U.N.S. number, assigned by Dun and Bradstreet
<b>Odette Operator</b>	Assigned by Odette Assigned by the owner of the operation
<b>Seller UN</b>	Identifier assigned by the supplier UN/ECE
<b>Address</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> AddressType_2 <b>Remark</b> Name and address information
<b>xs:sequence</b>	<b>Occurrence</b> 1 .. 1
<b>Name1</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> string_1_35 <b>Length</b> 1 .. 35 <b>Remark</b> Name - line 1

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## GUIDELINE

Element/Attribute	Annotation
<b>Line</b>	<b>Occurrence</b> 1 .. unbounded <b>Type</b> VehicleTechnicalStatusType
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>VehicleID</b>	<b>Occurrence</b> 1 .. 2 <b>Type</b> extension (string_1_35) <b>Length</b> 1 .. 35 <b>Remark</b> Vehicle identifier
@ <i>Type</i>	<b>Type</b> VehicleIDTypeCode <b>Use</b> required
<b>Applicable Codes</b>	
	<b>CommissionNumber</b> self explanatory <b>ProductionNumber</b> self explanatory <b>ProjectNumber</b> self explanatory <b>TrackingNumber</b> self explanatory <b>VIN</b> Vehicle identification number according to ISO 3779
xs:choice	<b>Occurrence</b> 1 .. 2
<b>Measurement</b>	<b>Occurrence</b> 1 .. unbounded <b>Type</b> MeasurementType_2 <b>Remark</b> Measurement value
@ <i>Qualifier</i>	<b>Type</b> MeasurementQualifierCode <b>Remark</b> To qualify the type of measurement (e.g. length, width, volume etc.)
<b>Applicable Codes</b>	
	<b>Pressure</b> Pressure <b>Voltage</b> Voltage
@ <i>UoM</i>	<b>Type</b> MeasurementUnitCode
<b>Applicable Codes</b>	
	<b>KPA</b> Kilopascal <b>MBR</b> Millibar <b>P1</b> Percent
@ <i>MeasuredAttribute</i>	<b>Type</b> xs:normalizedString <b>WhiteSpace</b> replace <b>Remark</b> e.g. high voltage battery, front left tyre etc.
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>StatusCode</b>	<b>Occurrence</b> 0 .. unbounded <b>Type</b> xs:string <b>Remark</b> Status as result of the action carried out by the OEM (e.g. unlocked, locked etc.)
<b>Applicable Codes</b>	
	<b>01</b> Located <b>02</b> Locked during transport <b>03</b> Locked during storage <b>04</b> Unlocked during transport <b>05</b> Unlocked during storage

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## GUIDELINE

Element/Attribute	Annotation
<b>Location</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> LocationType <b>Remark</b> Geo-position of the vehicle and area identification within the compound.
<i>@ Lat</i>	<b>Type</b> xs:decimal <b>FractionDigits</b> 7 <b>Inclusive</b> -90 .. 90 <b>Remark</b> Latitude of the location, max 6 fraction digits
<i>@ Lon</i>	<b>Type</b> xs:decimal <b>FractionDigits</b> 7 <b>Inclusive</b> -180 .. 180 <b>Remark</b> Longitude of the location, max 6 fraction digits
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>LocationID</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> IdentifierType <b>Length</b> 1 .. 20 <b>Remark</b> Area ID within the compound.
<i>@ Agency</i>	<b>Type</b> IdentifierAssigningAgencyCode <b>Remark</b> Responsible agency or organisation assigning the identifier.
<b>Applicable Codes</b>	
<b>Operator</b>	Assigned by the owner of the operation

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**EXAMPLE(S)**

## Vehicle status report

The answer to the vehicle status request (FV15) could look like:

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2022A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogrations:nl:company:location:001</ReceiverID>
    <SenderID>urn:autogrations:de:firma:ort:001</SenderID>
    <MessageType>VehicleStatusReport</MessageType>
    <InterchangeID>www.colossalcars.com_202004151533</InterchangeID>
    <Timestamp>2020-04-15T15:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleStatusReport Version="1.1" ControllingInstance="Odette">
      <SubType>VehicleStatus</SubType>
      <DocumentID>1234567</DocumentID>
      <IssueDate Format="CCYYMMDD">20200415</IssueDate>
      <Header>
        <SenderID Agency="Buyer">CCC</SenderID>
        <ReceiverID Agency="Buyer">ECM</ReceiverID>
        <Compound>
          <Identifier>ECM</Identifier>
          <Address>
            <Name1>European Compound Management ES</Name1>
          </Address>
        </Compound>
      </Header>
      <Line>
        <VehicleID Type="VIN">WME4513801K282977</VehicleID>
        <Measurement MeasuredAttribute="HVBattery" UoM="P1">63</Measurement>
      </Line>
      <Line>
        <VehicleID Type="VIN">WME4513801K282977</VehicleID>
        <StatusCode>unlocked</StatusCode>
      </Line>
    </VehicleStatusReport>
  </Body>
</Envelope>
```