

## FV15 Finished vehicles - Vehicle Status Request

The vehicle status request message is most likely to be sent from an LSP to an OEM to request information about the exact position of a vehicle on the compound or to enquire about the technical status of a vehicle (e.g. condition of battery, tyre pressure etc.).

Another important use of this message will be to request the OEM to carry out certain operations on vehicles during transit (e.g. lock the doors on cars in a specific area of a compound, flash the lights of a specific vehicle, etc.).

VERSION No: V1R1  
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Author: ECG/Odette/VDA

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## CHANGE HISTORY

No	Changes
01	Date 2022-05-12 Version 1.1 Change Description optional -> required Path Envelope/Header/ReceiverID/@Agency
02	Date 2022-05-12 Version 1.1 Change Description optional -> required Path Envelope/Header/SenderID/@Agency
03	Date 2022-02-17 Version 1.1 Change Description no changes Path Envelope/Body/VehicleStatusRequest
04	Date 2022-05-05 Version 1.1 Change Description extension of integer changed to extension of string to match added formats. Path Envelope/Body/VehicleStatusRequest/IssueDate
05	Date 2022-09-13 Version 1.1 Change Description Deleted CCYYMMDDhhmmZ and CCYYMMDDhhmmssZ - no appropriate EDIFACT codes available. Use corresponding format with CCYYMMDDhhmmssZZZ and CCYYMMDDhhmmssZZZ with UTC to denominate zulu-time Path Envelope/Body/VehicleStatusRequest/IssueDate/@Format
06	Date 2022-05-12 Version 1.1 Change Description optional -> required Path Envelope/Body/VehicleStatusRequest/IssueDate/@Format
07	Date 2022-05-12 Version 1.1 Change Description optional -> required Path Envelope/Body/VehicleStatusRequest/Header/Compound/Identifier/@Agency

**STRUCTURE**

Occurrence	Element/Attribute
	<b>Envelope</b>
required	@ Version
required	@ ControllingInstance
1 .. 1	xs:sequence
1 .. 1	<b>Header</b>
1 .. 1	xs:sequence
1 .. 1	<b>ReceiverID</b>
required	@ Agency
1 .. 1	<b>SenderID</b>
required	@ Agency
1 .. 1	<b>MessageType</b>
1 .. 1	<b>InterchangeID</b>
1 .. 1	<b>Timestamp</b>
1 .. 1	<b>Body</b>
1 .. 1	xs:sequence
1 .. 1	xs:sequence
1 .. 1	xs:choice
1 .. 1	<b>VehicleStatusRequest</b>
required	@ Version
required	@ ControllingInstance
1 .. 1	xs:sequence
1 .. 1	<b>SubType</b>
0 .. 1	<b>Profile</b>
1 .. 1	<b>DocumentID</b>
1 .. 1	<b>IssueDate</b>
required	@ Format
1 .. 1	<b>Header</b>
1 .. 1	xs:sequence
1 .. unbounded	<b>SenderID</b>
	@ Agency
1 .. unbounded	<b>ReceiverID</b>
	@ Agency
0 .. 1	<b>Compound</b>
1 .. 1	xs:sequence
1 .. unbounded	<b>Identifier</b>
required	@ Agency
0 .. 1	<b>Address</b>
1 .. 1	xs:sequence
0 .. 1	<b>Name1</b>
1 .. 1	<b>Line</b>
1 .. 1	xs:sequence
0 .. 1	<b>LineNumber</b>
1 .. 1	<b>RequestCode</b>
1 .. unbounded	<b>VehicleID</b>
required	@ Type

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



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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>

Bold = Element, @ + Italic = Attribute, Grey = Group



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**GUIDELINE**

Element/Attribute	Annotation
	<p><b>Applicable Codes</b></p> <p><b>Operator</b> Assigned by the owner of the operation</p> <p><b>Seller</b> Identifier assigned by the supplier</p>
<b>SenderID</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 sender - 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 Operator</b> Assigned by Odette</p> <p><b>Seller</b> Identifier assigned by the supplier</p>
<b>MessageType</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> ElectronicDocumentTypeCode</p> <p><b>Remark</b> The message type as identified in the web service.</p>
	<p><b>Applicable Codes</b></p> <p><b>VehicleStatusRequest</b></p>
<b>InterchangeID</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> xs:string</p> <p><b>Remark</b> The unique ID assigned by the connector to the interchange. Recommended: combination of sender's URL+timestamp</p>
<b>Timestamp</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> xs:dateTime</p> <p><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</p>
<b>Body</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> EnvelopeBodyType</p> <p><b>Remark</b> The Body element contains the business message and - in some cases - Attachments.</p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
xs:choice	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Remark</b> Here, exactly one of the defined message elements</p>

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**GUIDELINE**

Element/Attribute	Annotation
<b>VehicleStatusRequest</b>	<p>follows.</p> <p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> extension (ElectronicDocumentType_2)</p> <p><b>Remark</b> The vehicle status request message is most likely to be sent from an LSP to an OEM to request information about the exact position of a vehicle on the compound or to enquire about the technical status of a vehicle (e.g. condition of battery, tyre pressure etc.). Another important use of this message will be to request the OEM to carry out certain operations on vehicles during transit (e.g. lock the doors on all cars in a specific area of a compound, flash the lights of a specific vehicle, etc.)</p>
@ <i>Version</i>	<p><b>Type</b> xs:normalizedString</p> <p><b>Fixed</b> 1.1</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><b>1.1</b></p>
@ <i>ControllingInstance</i>	<p><b>Type</b> ControllingInstanceCode</p> <p><b>Fixed</b> Odette</p> <p><b>Use</b> required</p> <p><b>Remark</b> To indicate the author.</p> <p><b>Applicable Codes</b></p> <p><b>Odette</b></p> <p><b>VDA</b></p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
<b>SubType</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> ElectronicDocumentSubTypeCode</p> <p><b>Remark</b> To define the sub-type of the document - see codes</p> <p><b>Applicable Codes</b></p> <p><b>VehicleStatusRequest</b> A message to enquire at the OEM of a technical status of a vehicle with the means of on-board telematics or to initiate an action.</p>
<b>Profile</b>	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> xs:string</p> <p><b>Name</b> To identify the implementation profile of the message (e.g. the underlying business process etc.)</p>
<b>DocumentID</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> string_1_35</p> <p><b>Length</b> 1 .. 35</p> <p><b>Remark</b> The number issued by the creator of the document.</p>
<b>IssueDate</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> DateType2</p> <p><b>Remark</b> Issue date / time of this message</p>

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**GUIDELINE**

Element/Attribute	Annotation
@ <i>Format</i>	<p><b>Type</b> DateTypeFormatCode  <b>Use</b> required  <b>Remark</b> Format of date / date + time , coded</p> <p><b>Applicable Codes</b></p> <p><b>CCYYMMDD</b> Date  <b>CCYYMMDDhhmm</b> Date and time  <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)  <b>CCYYMMDDhhmmss</b> Date &amp; time including seconds  <b>CCYYMMDDhhmmssZhmm</b> Date &amp; time including seconds with time zone</p>
<b>Header</b>	<p><b>Occurence</b> 1 .. 1  <b>Type</b> VehicleStatusHeaderType  <b>Remark</b> Header of VehicleStatusRequest or VehicleStatusResponse</p>
xs:sequence	<p><b>Occurence</b> 1 .. 1</p>
<b>SenderID</b>	<p><b>Occurence</b> 1 .. unbounded  <b>Type</b> IdentifierType  <b>Length</b> 1 .. 20  <b>Remark</b> A unique identifier of the sender</p>
@ <i>Agency</i>	<p><b>Type</b> IdentifierAssigningAgencyCode  <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)  <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</p>
<b>ReceiverID</b>	<p><b>Occurence</b> 1 .. unbounded  <b>Type</b> IdentifierType  <b>Length</b> 1 .. 20  <b>Remark</b> A unique identifier of the receiver</p>
@ <i>Agency</i>	<p><b>Type</b> IdentifierAssigningAgencyCode  <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)  <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</p>

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**GUIDELINE**

Element/Attribute	Annotation
<b>Compound</b>	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> PartyType_4</p> <p><b>Remark</b> Identifies the compound, wher the vehicle is stored / dealt with.</p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
<b>Identifier</b>	<p><b>Occurrence</b> 1 .. unbounded</p> <p><b>Type</b> PartyIdentifierType</p> <p><b>Length</b> 1 .. 70</p> <p><b>Remark</b> Unique identifier of a party / business partner</p>
@ Agency	<p><b>Type</b> IdentifierAssigningAgencyCode</p> <p><b>Use</b> required</p> <p><b>Remark</b> Responsible agency or organisation assigning the identifier.</p>
<b>Applicable Codes</b>	
Buyer	Identifier assigned by the buyer (customer)
DUNS	D.U.N.S. number, assigned by Dun and Bradstreet
Odette Operator	Assigned by Odette Assigned by the owner of the operation
Seller UN	Identifier assigned by the supplier UN/ECE
<b>Address</b>	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> AddressType_2</p> <p><b>Remark</b> Name and address information</p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
<b>Name1</b>	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> string_1_35</p> <p><b>Length</b> 1 .. 35</p> <p><b>Remark</b> Name - line 1</p>
<b>Line</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> VehicleStatusRequestLineType</p> <p><b>Remark</b> Line item of VehicleStatusRequest or VehicleStatusResponse</p>
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
<b>LineNumber</b>	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> xs:integer</p> <p><b>FractionDigits</b> 0</p> <p><b>Remark</b> Consecutive number of the line in this message.</p>
<b>RequestCode</b>	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> VehicleStatusRequestTypeCode</p> <p><b>Remark</b> Requested action, coded - see code list</p>
<b>Applicable Codes</b>	
HVBatteryStatus	Reply the status of the high-voltage battery

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**GUIDELINE**

Element/Attribute	Annotation
	<b>Applicable Codes</b>
	<b>LVBatteryStatus</b> Reply the status of the low-voltage battery
	<b>locate</b> Reply the geo-coordinates of the vehicle, measured with on-board telematics
	<b>lock</b> Lock the vehicle via telematics
<b>VehicleID</b>	<b>unlock</b> Unlock the vehicle via telematics
	<b>Occurence</b> 1 .. unbounded
	<b>Type</b> extension (string_1_35)
	<b>Length</b> 1 .. 35
<b>@ Type</b>	<b>Remark</b> Vehicle identifier
	<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

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**EXAMPLE(S)**

## Vehicle status request

The sender requests information about the status of the high voltage battery:

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2022A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogrations:de:firma:ort:001</ReceiverID>
    <SenderID>urn:autogrations:nl:firma:ort:001</SenderID>
    <MessageType>VehicleStatusRequest</MessageType>
    <InterchangeID>www.ecm-compound.com_202004151433</InterchangeID>
    <Timestamp>2020-04-15T14:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleStatusRequest Version="1.1" ControllingInstance="Odette">
      <SubType>VehicleStatusRequest</SubType>
      <DocumentID>1234567</DocumentID>
      <IssueDate Format="CCYYMMDD">20200415</IssueDate>
      <Header>
        <SenderID Agency="Buyer">ECM</SenderID>
        <ReceiverID Agency="Buyer">CCC</ReceiverID>
        <Compound>
          <Identifier>ECM</Identifier>
          <Address>
            <Name1> European Compound Management ES</Name1>
          </Address>
        </Compound>
      </Header>
      <Line>
        <LineNumber>01</LineNumber>
        <RequestCode>HVBatteryStatus</RequestCode>
        <VehicleID Type="VIN">WME4513801K282977</VehicleID>
      </Line>
    </VehicleStatusRequest>
  </Body>
</Envelope>
```

If the request would be to unlock the vehicle the Line element could look like:

```
<Line>
  <LineNumber>01</LineNumber>
  <RequestCode>unlock</RequestCode>
  <VehicleID Type="VIN">WME4513801K282977</VehicleID>
</Line>
```