

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
DATE: SEPTEMBER 2022
Author: ECG/Odette/VDA

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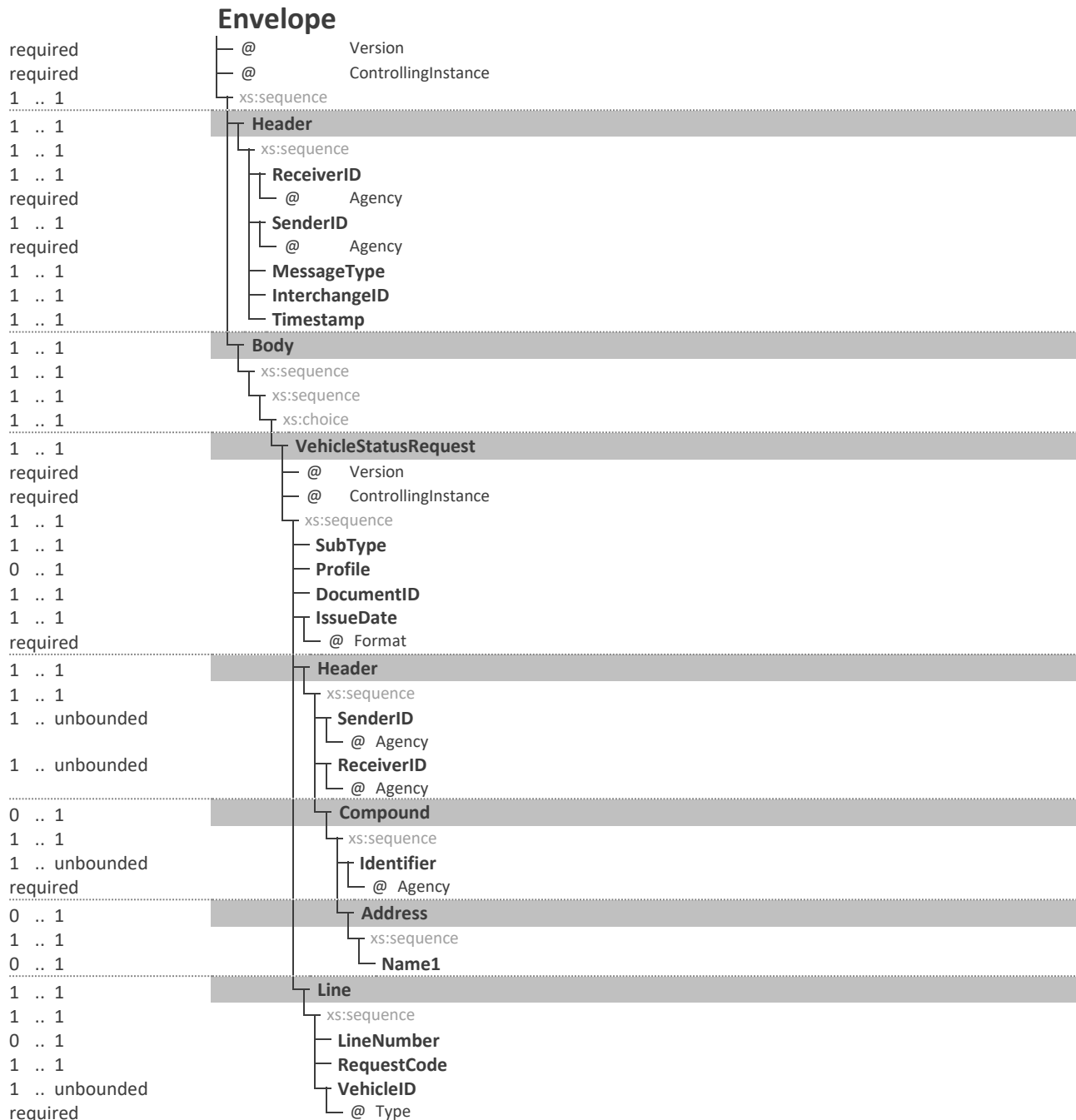
CHANGE HISTORY

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



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



ECG The Association
of European
Vehicle Logistics



Verband der
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Print date: 27.09.2022

GUIDELINE

Element/Attribute	Annotation
Envelope	<p>Type extension (EnvelopeType)</p> <p>Remark 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>Type xs:normalizedString</p> <p>Fixed 2022A</p> <p>Use required</p> <p>WhiteSpace replace</p> <p>Remark Schema version</p> <p>Applicable Codes</p> <p>2022A</p>
@ <i>ControllingInstance</i>	<p>Type xs:string</p> <p>Fixed Odette</p> <p>Use required</p> <p>Remark To indicate the author (fixed: Odette)</p>
xs:sequence	Occurrence 1 .. 1
Header	<p>Occurrence 1 .. 1</p> <p>Type EnvelopeHeaderType</p> <p>Remark This element contains the interchange information of the data exchange.</p>
xs:sequence	Occurrence 1 .. 1
ReceiverID	<p>Occurrence 1 .. 1</p> <p>Type PartyIdentifierType</p> <p>Length 1 .. 70</p> <p>Remark Technical ID of the receiver - e.g. address of a web-service or OFTP2-ID</p>
@ <i>Agency</i>	<p>Type IdentifierAssigningAgencyCode</p> <p>Use required</p> <p>Remark Responsible agency or organisation assigning the identifier.</p> <p>Applicable Codes</p> <p>Buyer Identifier assigned by the buyer (customer)</p> <p>DUNS D.U.N.S. number, assigned by Dun and Bradstreet</p> <p>Odette Assigned by Odette</p>

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GUIDELINE

Element/Attribute	Annotation
SenderID	Applicable Codes
	Operator Assigned by the owner of the operation
	Seller Identifier assigned by the supplier
	Occurrence 1 .. 1
	Type PartyIdentifierType
@ Agency	Length 1 .. 70
	Remark Technical ID of the sender - e.g. address of a web-service or OFTP2-ID
	Type IdentifierAssigningAgencyCode
	Use required
	Remark Responsible agency or organisation assigning the identifier.
	Applicable Codes
	Buyer Identifier assigned by the buyer (customer)
	DUNS D.U.N.S. number, assigned by Dun and Bradstreet
	Odette Operator Assigned by Odette
	Seller Identifier assigned by the supplier
MessageType	Occurrence 1 .. 1
	Type ElectronicDocumentTypeCode
	Remark The message type as identified in the web service.
InterchangeID	Applicable Codes
	VehicleStatusRequest
	Occurrence 1 .. 1
Timestamp	Type xs:string
	Remark The unique ID assigned by the connector to the interchange. Recommended: combination of sender's URL+timestamp
	Occurrence 1 .. 1
Body	Type xs:dateTime
	Remark 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
	Occurrence 1 .. 1
xs:sequence	Type EnvelopeBodyType
	Remark The Body element contains the business message and - in some cases - Attachments.
	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
	Occurrence 1 .. 1
	Occurrence 1 .. 1
xs:choice	Occurrence 1 .. 1
	Remark Here, exactly one of the defined message elements

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GUIDELINE

Element/Attribute	Annotation
VehicleStatusRequest	<p>follows.</p> <p>Occurrence 1 .. 1</p> <p>Type extension (ElectronicDocumentType_2)</p> <p>Remark 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>Type xs:normalizedString</p> <p>Fixed 1.1</p> <p>Use required</p> <p>WhiteSpace replace</p> <p>Remark Schema version</p> <p>Applicable Codes</p> <p>1.1</p>
@ <i>ControllingInstance</i>	<p>Type ControllingInstanceCode</p> <p>Fixed Odette</p> <p>Use required</p> <p>Remark To indicate the author.</p> <p>Applicable Codes</p> <p>Odette</p> <p>VDA</p>
xs:sequence	Occurrence 1 .. 1
SubType	<p>Occurrence 1 .. 1</p> <p>Type ElectronicDocumentSubTypeCode</p> <p>Remark To define the sub-type of the document - see codes</p> <p>Applicable Codes</p> <p>VehicleStatusRequest 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>
Profile	<p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Name To identify the implementation profile of the message (e.g. the underlying business process etc.)</p>
DocumentID	<p>Occurrence 1 .. 1</p> <p>Type string_1_35</p> <p>Length 1 .. 35</p> <p>Remark The number issued by the creator of the document.</p>
IssueDate	<p>Occurrence 1 .. 1</p> <p>Type DateType2</p> <p>Remark Issue date / time of this message</p>

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GUIDELINE

Element/Attribute	Annotation
@ <i>Format</i>	<p>Type DateTypeFormatCode Use required Remark Format of date / date + time , coded</p> <p>Applicable Codes</p> <p>CCYYMMDD Date CCYYMMDDhhmm Date and time CCYYMMDDhhmmZhmm Date & time with time zone offset, e. g. 20190124153000+0100 => 24.01. 2019 15:30:00 Berlin time zone (UTC +1 hour) CCYYMMDDhhmmss Date & time including seconds CCYYMMDDhhmmssZhmm Date & time including seconds with time zone</p>
Header	<p>Occurrence 1 .. 1 Type VehicleStatusHeaderType Remark Header of VehicleStatusRequest or VehicleStatusResponse</p>
xs:sequence	Occurrence 1 .. 1
SenderID	<p>Occurrence 1 .. unbounded Type IdentifierType Length 1 .. 20 Remark A unique identifier of the sender</p>
@ Agency	<p>Type IdentifierAssigningAgencyCode Remark Responsible agency or organisation assigning the identifier.</p> <p>Applicable Codes</p> <p>Buyer Identifier assigned by the buyer (customer) DUNS D.U.N.S. number, assigned by Dun and Bradstreet Odette Seller Assigned by Odette Seller Identifier assigned by the supplier</p>
ReceiverID	<p>Occurrence 1 .. unbounded Type IdentifierType Length 1 .. 20 Remark A unique identifier of the receiver</p>
@ Agency	<p>Type IdentifierAssigningAgencyCode Remark Responsible agency or organisation assigning the identifier.</p> <p>Applicable Codes</p> <p>Buyer Identifier assigned by the buyer (customer) DUNS D.U.N.S. number, assigned by Dun and Bradstreet Odette Seller Assigned by Odette Seller Identifier assigned by the supplier</p>

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GUIDELINE

Element/Attribute	Annotation
Compound	Occurrence 0 .. 1 Type PartyType_4 Remark Identifies the compound, when the vehicle is stored / dealt with.
xs:sequence	Occurrence 1 .. 1
Identifier	Occurrence 1 .. unbounded Type PartyIdentifierType Length 1 .. 70 Remark Unique identifier of a party / business partner
@ Agency	Type IdentifierAssigningAgencyCode Use required Remark Responsible agency or organisation assigning the identifier.
Applicable Codes	
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
Address	Occurrence 0 .. 1 Type AddressType_2 Remark Name and address information
xs:sequence	Occurrence 1 .. 1
Name1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 1
Line	Occurrence 1 .. 1 Type VehicleStatusRequestLineType Remark Line item of VehicleStatusRequest or VehicleStatusResponse
xs:sequence	Occurrence 1 .. 1
LineNumber	Occurrence 0 .. 1 Type xs:integer FractionDigits 0 Remark Consecutive number of the line in this message.
RequestCode	Occurrence 1 .. 1 Type VehicleStatusRequestTypeCode Remark Requested action, coded - see code list
Applicable Codes	
HVBatteryStatus	Reply the status of the high-voltage battery

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Print date: 27.09.2022

GUIDELINE

Element/Attribute	Annotation	
VehicleID <i>@ Type</i>	Applicable Codes	
	LVBatteryStatus	Reply the status of the low-voltage battery
	locate	Reply the geo-coordinates of the vehicle, measured with on-board telematics
	lock	Lock the vehicle via telematics
	unlock	Unlock the vehicle via telematics
	Occurrence	1 .. unbounded
	Type	extension (string_1_35)
	Length	1 .. 35
	Remark	Vehicle identifier
	Type	VehicleIDTypeCode
	Use	required
	Applicable Codes	
	CommissionNumber	self explanatory
	ProductionNumber	self explanatory
	ProjectNumber	self explanatory
	TrackingNumber	self explanatory
	VIN	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:autogration:de:firma:ort:001</ReceiverID>
    <SenderID>urn:autogration: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>
```