



FV18 Finished vehicles - Vehicle Service Order

There are two possible phases in service ordering: a service order forecast and the actual service order.

The service order forecast provides the LSP with an overview of the scheduled service orders for a bilaterally agreed time-period and helps the LSP to plan resources. In the service order forecast, only specific (agreed) services are included. To fulfil the request, the LSP needs to check capacities in terms of workshop facilities, availability of staff, tools, material (and parts, if required).

The service order initiates the actual service activities. It can be either a regular service order, which must be executed for each vehicle of a certain batch or model, or an on-demand service order that concerns only an individually specified vehicle or group of vehicles.

If the service order is accepted, the LSP will send service order response message(s) to the OEM to optionally confirm the activity has started or is delayed but at least that the work has been completed.

If the service order is rejected (e.g. capacity shortages), the OEM must find an alternative solution (e.g. next compound or other time slots to fulfil the necessary activities).

This message structure supports all three described functions.

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

1 Change History 2
2 Structure 5
3 Guideline 9
3 Example 25

CHANGE HISTORY

No	Changes
01	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Header/ReceiverID/@Agency
02	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Header/SenderID/@Agency
03	Date Version Change Description Path 2022-05-05 1.1 extension of integer changed to extension of string to match added formats. Envelope/Body/VehicleServiceOrder/IssueDate
04	Date Version Change Description Path 2022-09-13 1.1 Deleted CCYYMMDDhhmmZ and CCYYMMDDhhmmssZ - no appropriate EDIFACT codes available. Use corresponding format with CCYYMMDDhhmmssZZZ and CCYYMMDDhhmmssZZZ with UTC to denominate zulu-time Envelope/Body/VehicleServiceOrder/IssueDate/@Format
05	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Body/VehicleServiceOrder/IssueDate/@Format
06	Date Version Change Description Path 2022-02-16 1.1 Element enabled Envelope/Body/VehicleServiceOrder/DocumentFunctionCode
07	Date Version Change Description Path 2022-09-13 1.1 Code "Forecast" added Envelope/Body/VehicleServiceOrder/DocumentFunctionCode
08	Date Version Change Description Path 2022-02-17 1.1 Element Reference on header level disabled, added on line level Envelope/Body/VehicleServiceOrder/Header
09	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Body/VehicleServiceOrder/Header/SenderID/@Agency
10	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Body/VehicleServiceOrder/Header/ReceiverID/@Agency
11	Date Version Change Description Path 2022-05-12 1.1 optional -> required Envelope/Body/VehicleServiceOrder/Header/Forwarder/Identifier/@Agency
12	Date Version Change Description 2022-05-12 1.1 optional -> required

CHANGE HISTORY

No	Changes	
13	Path	Envelope/Body/VehicleServiceOrder/Header/ServiceProvider/Identifier/@Agency
	Date	2022-10-20
	Version	1.1
	Change Description	All elements in address activated.
14	Path	Envelope/Body/VehicleServiceOrder/Header/ServiceProvider/ServiceLocation/Address
	Date	2022-05-12
	Version	1.1
	Change Description	optional -> required
15	Path	Envelope/Body/VehicleServiceOrder/Header/ServiceBuyer/Identifier/@Agency
	Date	2022-05-12
	Version	1.1
	Change Description	optional -> required
16	Path	Envelope/Body/VehicleServiceOrder/Header/ServiceSeller/Identifier/@Agency
	Date	2022-05-05
	Version	1.1
	Change Description	extension of integer changed to extension of string to match added formats.
17	Path	Envelope/Body/VehicleServiceOrder/Line/StartDate
	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
18	Path	Envelope/Body/VehicleServiceOrder/Line/StartDate/@Format
	Date	2022-05-12
	Version	1.1
	Change Description	optional -> required
19	Path	Envelope/Body/VehicleServiceOrder/Line/StartDate/@Format
	Date	2022-09-13
	Version	1.1
	Change Description	Period formats removed
20	Path	Envelope/Body/VehicleServiceOrder/Line/StartDate/@Format
	Date	2022-05-05
	Version	1.1
	Change Description	extension of integer changed to extension of string to match added formats.
21	Path	Envelope/Body/VehicleServiceOrder/Line/CompletionDate
	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
22	Path	Envelope/Body/VehicleServiceOrder/Line/CompletionDate/@Format
	Date	2022-05-12
	Version	1.1
	Change Description	optional -> required
23	Path	Envelope/Body/VehicleServiceOrder/Line/CompletionDate/@Format
	Date	2022-09-27
	Version	1.1

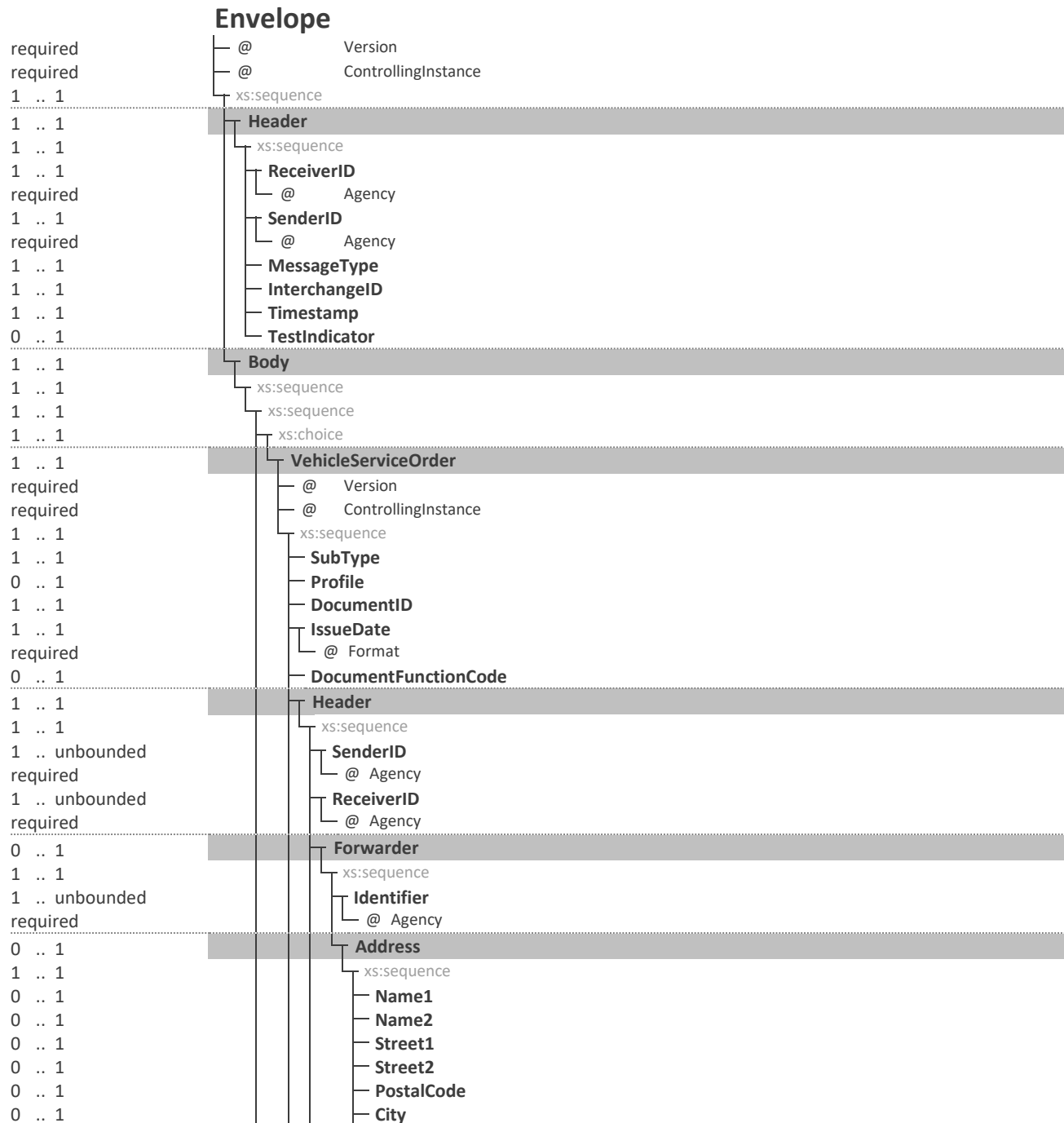
CHANGE HISTORY

No	Changes	
24	Change Description	Odette code 8 - (CNG) and 9 (LNG) added
	Path	Envelope/Body/VehicleServiceOrder/Line/Model/@FuelType
	Date	2022-07-21
	Version	1.1
25	Change Description	linked to EDIFACT code list 7041(i.e. codes instead of descriptive words)
	Path	Envelope/Body/VehicleServiceOrder/Line/Model/@FuelType
	Date	2022-02-11
	Version	1.1
26	Change Description	Code X26 - Prepare for transport added
	Path	Envelope/Body/VehicleServiceOrder/Line/ServiceCode
	Date	2022-02-15
	Version	1.1
	Change Description	New element Reference (for batch number or reference to transport order)
	Path	Envelope/Body/VehicleServiceOrder/Line/Reference

STRUCTURE

Occurrence

Element/Attribute



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

STRUCTURE

Occurrence	Element/Attribute
0 .. 1	CountryCode
1 .. 1	ServiceProvider
1 .. 1	xs:sequence
1 .. unbounded required	Identifier
	@ Agency
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name1
0 .. 1	Name2
0 .. 1	Street1
0 .. 1	Street2
0 .. 1	PostalCode
0 .. 1	City
0 .. 1	CountryCode
1 .. 1	xs:sequence
0 .. 1	VATID
0 .. 1	TaxRegistrationID
0 .. 1	CompanyRegistrationID
0 .. 1	ServiceLocation
	@ Lat
	@ Lon
1 .. 1	xs:sequence
0 .. 1	LocationID
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name1
0 .. 1	Name2
0 .. 1	Street1
0 .. 1	Street2
0 .. 1	PostalCode
0 .. 1	City
0 .. 1	CountryCode
0 .. 1	CountryName
0 .. 1	Contact
required	@ Qualifier
1 .. 1	xs:sequence
0 .. 1	Identifier
1 .. 1	Name
0 .. 1	Telephone
0 .. 1	Telefax
0 .. 1	Email
1 .. 1	ServiceBuyer
1 .. 1	xs:sequence
1 .. unbounded required	Identifier
	@ Agency
0 .. 1	Address
	xs:sequence

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

STRUCTURE

Occurrence	Element/Attribute
1 .. 1	
0 .. 1	Name1
0 .. 1	Name2
0 .. 1	Street1
0 .. 1	Street2
0 .. 1	PostalCode
0 .. 1	City
0 .. 1	CountryCode
0 .. 1	VATID
0 .. 1	TaxRegistrationID
0 .. 1	CompanyRegistrationID
1 .. 1	ServiceSeller
1 .. 1	xs:sequence
1 .. unbounded required	Identifier
	@ Agency
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name1
0 .. 1	Name2
0 .. 1	Street1
0 .. 1	Street2
0 .. 1	PostalCode
0 .. 1	City
0 .. 1	CountryCode
0 .. 1	VATID
0 .. 1	TaxRegistrationID
0 .. 1	CompanyRegistrationID
0 .. unbounded	FreeText
	@ Qualifier
	@ Language
1 .. 1	Line
	@ Priority
	@ PlanningType
optional	xs:sequence
1 .. 1	StartDate
0 .. 1	@ Status
required	@ Format
required	CompletionDate
0 .. 1	@ Status
required	@ Format
0 .. 1	Plant
0 .. 2	VehicleID
required	@ Type
0 .. 1	Model
	@ Cluster
	@ ProductType
	@ FuelType

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



The Association
of European
Vehicle Logistics



Verband der
Automobilindustrie

Print date: 20.10.2022

STRUCTURE

Occurrence	Element/Attribute
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	Version
0 .. 1	ModelGroup
0 .. 1	Manufacturer
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	CountryCode
1 .. 1	ServiceCode
0 .. unbounded	ServiceDescription
	@ Language
0 .. 1	EstimatedQuantity
required	@ UoM
0 .. unbounded	Reference
required	@ Qualifier
0 .. 1	RejectionReason
0 .. 1	ChangeReason
0 .. unbounded	FreeText
	@ Qualifier
	@ Language
0 .. unbounded	Attachment
	@ Id
	@ MimeType
	@ Encoding

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



ECG The Association
of European
Vehicle Logistics



Verband der
Automobilindustrie

Print date: 20.10.2022

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>Seller Identifier assigned by the supplier</p>

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

GUIDELINE

Element/Attribute	Annotation
SenderID	Occurrence 1 .. 1 Type PartyIdentifierType Length 1 .. 70 Remark Technical ID of the sender - e.g. address of a web-service or OFTP2-ID
@ 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	Identifier assigned by the supplier
MessageType	Occurrence 1 .. 1 Type ElectronicDocumentTypeCode Remark The message type as identified in the web service.
Applicable Codes	
VehicleServiceOrder	
InterchangeID	Occurrence 1 .. 1 Type xs:string Remark The unique ID assigned by the connector to the interchange. Recommended: combination of sender's URL+timestamp
Timestamp	Occurrence 1 .. 1 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
TestIndicator	Occurrence 0 .. 1 Type xs:boolean Default false Remark To mark the interchange as test (true).
Body	Occurrence 1 .. 1 Type EnvelopeBodyType Remark The Body element contains the business message and - in some cases - Attachments.
xs:sequence	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
xs:choice	Occurrence 1 .. 1 Remark Here, exactly one of the defined message elements

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

GUIDELINE

Element/Attribute	Annotation
VehicleServiceOrder	<p>follows.</p> <p>Occurrence 1 .. 1</p> <p>Type extension (ElectronicDocumentType)</p>
@ <i>Version</i>	<p>Type MessageVersionCode</p> <p>Use required</p> <p>Remark FV05 Service Order - finished vehicles ORDERS</p> <p>Applicable Codes</p> <p>1.1</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
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>VehicleServiceOrder A message where the OEM orders a service action to be carried out by the service provider</p> <p>VehicleServiceOrderForecast A message where the OEM forecasts service actions to be carried out by the compound manager in a certain period</p> <p>VehicleServiceOrderResponse A message of the compound manager in response to a service order or forecast</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 message.</p>
IssueDate	<p>Occurrence 1 .. 1</p> <p>Type DateType2</p> <p>Remark The date the electronic document was issued/generated.</p>
@ <i>Format</i>	<p>Type DateTypeFormatCode</p> <p>Use required</p> <p>Remark Format of date / date + time , coded</p> <p>Applicable Codes</p> <p>CCYYMMDD Date</p> <p>CCYYMMDDhhmm Date and time</p> <p>CCYYMMDDhhmmZhmm Date & time with time zone offset, e.</p>

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
	Applicable Codes 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
DocumentFunctionCode	Occurrence 0 .. 1 Type DocumentFunctionCode Default Original Remark To distinguish between original and duplicate, default: Original Applicable Codes Cancellation Cancellation Completion Confirmation Forecast self explanatory Original Rejection not accepted StartInfo The message indicates the start of requested action or process. Update The message contains an update to previously given information.
Header	Occurrence 1 .. 1 Type VehicleServiceOrderHeaderType
<i>xs:sequence</i>	Occurrence 1 .. 1
SenderID	Occurrence 1 .. unbounded Type PartyIdentifierType Length 1 .. 70 Remark Commercial ID of the sender of the message
<i>@ Agency</i>	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 Assigned by Odette Seller Identifier assigned by the supplier
ReceiverID	Occurrence 1 .. unbounded Type PartyIdentifierType Length 1 .. 70 Remark Commercial ID of the receiver of the message.

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
@ 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 Seller Assigned by Odette Identifier assigned by the supplier
Forwarder	Occurrence 0 .. 1 Type PartyType_4 Remark The Party organising and selling the transport services.
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 Seller Assigned by Odette Identifier assigned by the supplier
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
Name2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 2
Street1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Street - line 1

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

GUIDELINE

Element/Attribute	Annotation
Street2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
PostalCode	Occurrence 0 .. 1 Type string_1_10 Length 1 .. 10
City	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country, coded according to ISO 3166-2
ServiceProvider	Occurrence 1 .. 1 Type extension (PartyType_4) Remark Service provider, carrying out the service order
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	Assigned by Odette
Seller	Identifier assigned by the supplier
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
Name2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 2
Street1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
Street2	Remark Street - line 1 Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
PostalCode	Occurrence 0 .. 1 Type string_1_10 Length 1 .. 10
City	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country, coded according to ISO 3166-2
xs:sequence	Occurrence 1 .. 1
VATID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
TaxRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CompanyRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
ServiceLocation	Occurrence 0 .. 1 Type LocationType Remark To specify a specific location
@ Lat	Type xs:decimal FractionDigits 7 Inclusive -90 .. 90 Remark Latitude of the location, max 6 fraction digits
@ Lon	Type xs:decimal FractionDigits 7 Inclusive -180 .. 180 Remark Longitude of the location, max 6 fraction digits
xs:sequence	Occurrence 1 .. 1
LocationID	Occurrence 0 .. 1 Type IdentifierType Length 1 .. 20 Remark A unique identifier for this location.
Address	Occurrence 0 .. 1 Type AddressType_2 Remark Name and address of the location
xs:sequence	Occurrence 1 .. 1

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

GUIDELINE

Element/Attribute		Annotation
	Name1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 1
	Name2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 2
	Street1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Street - line 1
	Street2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
	PostalCode	Occurrence 0 .. 1 Type string_1_10 Length 1 .. 10
	City	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
	CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country, coded according to ISO 3166-2
	CountryName	Occurrence 0 .. 1 Type string_1_40 Length 1 .. 40 Remark Country name
	Contact	Occurrence 0 .. 1 Type extension (ContactType) Remark Contact information for the business partner
	<i>@ Qualifier</i>	Type ContactQualifierCode Use required
	Applicable Codes	
	Information	General information contact
	xs:sequence	Occurrence 1 .. 1
	Identifier	Occurrence 0 .. 1 Type IdentifierType Length 1 .. 20 Remark A unique identifier for this contact.
	Name	Occurrence 1 .. 1 Type string_1_30 Length 1 .. 30 Remark Name of the contact partner or organisation unit.

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

GUIDELINE

Element/Attribute	Annotation
Telephone	Occurrence 0 .. 1 Type string_1_25 Length 1 .. 25 Remark Telephone number
Telefax	Occurrence 0 .. 1 Type string_1_25 Length 1 .. 25 Remark Telefax number
Email	Occurrence 0 .. 1 Type xs:string Remark Email address
ServiceBuyer	Occurrence 1 .. 1 Type extension (PartyType_4) Remark Service ordering party - Buyer
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	
AccountNumber	Account number assigned by Buyer
Buyer	Identifier assigned by the buyer (customer)
DUNS	D.U.N.S. number, assigned by Dun and Bradstreet
Odette	Assigned by Odette
Seller	Identifier assigned by the supplier
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
Name2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 2
Street1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
Street2	Remark Street - line 1 Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
PostalCode	Occurrence 0 .. 1 Type string_1_10 Length 1 .. 10
City	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country, coded according to ISO 3166-2
VATID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
TaxRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CompanyRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
ServiceSeller	Occurrence 1 .. 1 Type extension (PartyType_4) Remark Seller of the service
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	
AccountNumber	Account number assigned by Buyer
Buyer	Identifier assigned by the buyer (customer)
DUNS	D.U.N.S. number, assigned by Dun and Bradstreet
Odette	Assigned by Odette
Seller	Identifier assigned by the supplier
Address	Occurrence 0 .. 1 Type AddressType_2 Remark Name and address information
xs:sequence	Occurrence 1 .. 1

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

GUIDELINE

Element/Attribute	Annotation
Name1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 1
Name2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Name - line 2
Street1	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Street - line 1
Street2	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
PostalCode	Occurrence 0 .. 1 Type string_1_10 Length 1 .. 10
City	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country, coded according to ISO 3166-2
VATID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
TaxRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
CompanyRegistrationID	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35
FreeText	Occurrence 0 .. unbounded Type FreeTextType Remark To transmit free text information
@ Qualifier	Type FreeTextQualifierCode Remark To qualify the purpose/content of the text information
@ Language	Type xs:language Pattern ([a-zA-Z]{2} [il]-[a-zA-Z]+ [xX]-[a-zA-Z]{1,8})(-[a-zA-Z]{1,8})* WhiteSpace collapse Remark Language according to 2-alpha code
Line	Occurrence 1 .. 1 Type VehicleServiceOrderLineType

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
@ <i>Priority</i>	Type xs:boolean Default false Remark Order priority: true - with priority, false - standard order
@ <i>PlanningType</i>	Type xs:string Use optional Remark Identifies the type of order Applicable Codes onDemand regular
xs:sequence	Occurrence 1 .. 1
StartDate	Occurrence 0 .. 1 Type DateType3 Remark Service start date
@ <i>Status</i>	Type DeliveryDateStatusType Use required Applicable Codes actual confirmed estimated requested updated
@ <i>Format</i>	Type DateTypeFormatCode Use required Remark Format of date / date + time , coded (default CCYYMMDD) Applicable Codes CCYYMMDD Date CCYYMMDDhhmm Date and time CCYYMMDDhhmmZZZ Date & time with time zone CCYYMMDDhhmmZhhmm Date & time with time zone offset, e. g. 20190124153000+0100 => 24.01. 2019 15:30:00 Berlin time zone (UTC +1 hour)
CompletionDate	Occurrence 0 .. 1 Type DateType3 Remark Requested completion date.
@ <i>Status</i>	Type DeliveryDateStatusType Use required Applicable Codes actual confirmed estimated requested updated
@ <i>Format</i>	Type DateTypeFormatCode Use required

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

GUIDELINE

Element/Attribute	Annotation
	Remark Format of date / date + time , coded (default CCYYMMDD) Applicable Codes CCYYMMDD Date CCYYMMDDhhmm Date and time CCYYMMDDhhmmZZZ Date & time with time zone CCYYMMDDhhmmZhmm Date & time with time zone offset, e. g. 20190124153000+0100 => 24.01. 2019 15:30:00 Berlin time zone (UTC +1 hour)
Plant	Occurrence 0 .. 1 Type xs:string Remark Reference to the production plant, which vehicles are concerned by the forecast.
VehicleID	Occurrence 0 .. 2 Type extension (string_1_35) Length 1 .. 35 Remark To identify the vehicle the service is ordered for
@ Type	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
Model	Occurrence 0 .. 1 Type VehicleModelType Remark Identifies the model and related properties
@ Cluster	Type ModelClassificationTypeCode Remark Type of vehicle - see code list Applicable Codes Hatchback Other SUV Sedan VAN
@ ProductType	Type xs:string Applicable Codes Car Motorcycle Truck VAN
@ FuelType	Type FuelTypeCode Remark EDIFACT code list 7041

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 1 .. 1 Type xs:string Remark Model name
Version	Occurrence 0 .. 1 Type xs:string Remark Model version
ModelGroup	Occurrence 0 .. 1 Type string_1_35 Length 1 .. 35 Remark Denominates a grouping criterion
Manufacturer	Occurrence 0 .. 1 Type PartyType_6 Remark Optional identifier, optional address Remark Car manufacturer
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 1 .. 1 Type string_1_35 Length 1 .. 35 Remark Manufacturer / brand name
CountryCode	Occurrence 0 .. 1 Type CountryCode Remark Country of the manufacturer
ServiceCode	Occurrence 1 .. 1 Type VehicleServiceOrderCode Name Vehicle service order code
Applicable Codes	
X01	Wash
X02	Pre-delivery inspection
X03	Charge low-voltage battery
X04	Check low-voltage battery
X05	Change low-voltage battery
X06	Add accessory equipment
X07	Vehicle storage
X08	Vehicle movement
X09	Vehicle unloading
X10	Vehicle loading
X11	Screw / unscrew lashing eyes/tow hooks
X12	Check tire pressure
X13	Apply transport protection
X14	Repair
X15	Refuel
X16	Jump-start
X17	Activate hand brake
X18	Vehicle dashboard / maintenance

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

The Association
of European
Vehicle LogisticsVerband der
Automobilindustrie

Print date: 20.10.2022

GUIDELINE

Element/Attribute	Annotation
	Applicable Codes alert X19 Close lid or window X20 Blocking X21 Unblocking X22 Post production operation X23 Charge high-voltage battery X24 Check high-voltage battery X25 Change high-voltage battery X26 Prepare for transport X99 Other
ServiceDescription	Occurrence 0 .. unbounded Type TextLineType Remark Service description text
@ <i>Language</i>	Type xs:language Pattern ([a-zA-Z]{2} [il]-[a-zA-Z]+ [xX]-[a-zA-Z]{1,8})(-[a-zA-Z]{1,8})* WhiteSpace collapse
EstimatedQuantity	Occurrence 0 .. 1 Type QuantityType Remark Required in a forecast message: estimated number of vehicles subject to this forecasted service
@ <i>UoM</i>	Type MeasurementUnitCode Use required
Reference	Occurrence 0 .. unbounded Type SimpleReferenceType Length 1 .. 70 Remark Batch ID
@ <i>Qualifier</i>	Type DocumentReferenceQualifierCode Use required Remark Qualifies the type of reference - see code list Applicable Codes BatchNumber self explanatory
RejectionReason	Occurrence 0 .. 1 Type ServiceRejectionReasonCode Remark Reason for rejection of the service order, coded Applicable Codes Other ShortResources VehicleNotAvailable WrongVehicleStatus
ChangeReason	Occurrence 0 .. 1 Type xs:string Remark Reason for change in completion date
FreeText	Occurrence 0 .. unbounded Type FreeTextType

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

GUIDELINE

Element/Attribute	Annotation
<div> <div>@ <i>Qualifier</i></div> <div>@ <i>Language</i></div> <div>Attachment</div> <div>@ <i>Id</i></div> <div>@ <i>MimeType</i></div> <div>@ <i>Encoding</i></div> </div>	Remark To explain the reason for rejection or change in dates. Type FreeTextQualifierCode Remark To qualify the purpose/content of the text information Applicable Codes Change Reason
	Type xs:language Pattern ([a-zA-Z]{2} [il]-[a-zA-Z]+ [xX]-[a-zA-Z]{1,8})(-[a-zA-Z]{1,8})* WhiteSpace collapse Remark Language according to 2-alpha code
	Occurence 0 .. unbounded Type ObjectType
	Type xs:ID Pattern [\i-[:]][\c-[:]]* WhiteSpace collapse Remark Unique ID of the attachment.
	Type xs:string Remark Identifies the format of the attachment. Applicable Codes application/pdf application/zip image/gif image/jpeg image/png text/csv
	Type xs:anyURI Default base64Binary Remark Attachments are to be encoded as base64 binaries.

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

EXAMPLE(S)

Vehicle service order forecast

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2022A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogration:de:firma:ort:001</ReceiverID>
    <SenderID>SenderID</SenderID>
    <MessageType>VehicleServiceOrderForecast</MessageType>
    <InterchangeID>www.abc.com_201010151433</InterchangeID>
    <Timestamp>2020-05-13T14:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleServiceOrder Version="1.1" ControllingInstance="Odette">
      <SubType>VehicleServiceOrderForecast</SubType>
      <Profile>OEM XYZ</Profile>
      <DocumentID>BFKWF21456</DocumentID>
      <IssueDate Format="CCYYMMDD">20200513</IssueDate>
      <Header>
        <SenderID Agency="Buyer">7654321</SenderID>
        <ReceiverID Agency="Operator">TSP12810</ReceiverID>
        <ServiceProvider>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
          <ServiceLocation Lat="48.123456" Lon="11.232124">
            <LocationID>Parking North</LocationID>
          </ServiceLocation>
        </ServiceProvider>
        <ServiceBuyer>
          <Identifier Agency="Buyer">7654321</Identifier>
          <Address>
            <Name1>Colossal Car Company</Name1>
            <Street1>Behrenstraße 35</Street1>
            <PostalCode>10117</PostalCode>
            <City>Berlin</City>
            <CountryCode>DE</CountryCode>
          </Address>
        </ServiceBuyer>
        <ServiceSeller>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
        </ServiceSeller>
        <Reference Qualifier="BatchNumber">25545RDV</Reference>
      </Header>
    </VehicleServiceOrder>
  </Body>
</Envelope>
```

```
</Header>
<Line>
  <StartDate Status="actual" Format="CCYYMMDD">20200513</StartDate>
  <Plant>XOX025</Plant>
  <Model Cluster="Sedan">
    <Name>JEEP WRANGLER / SAHARA 4x4</Name>
    <Version>D3V8</Version>
    <ModelGroup>5</ModelGroup>
  </Model>
  <ServiceCode>X18</ServiceCode>
  <ServiceDescription Language="en">Apply transport protection,
styrofoam</ServiceDescription>
  <EstimatedQuantity UoM="PCE">165</EstimatedQuantity>
</Line>
</VehicleServiceOrder>
</Body>
</Envelope>
```

Vehicle service order (on demand)

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2020A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogratiion:de:firma:ort:001</ReceiverID>
    <SenderID>SenderID</SenderID>
    <MessageType>VehicleServiceOrder</MessageType>
    <InterchangeID>www.abc.com_201010151433</InterchangeID>
    <Timestamp>2020-05-13T14:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleServiceOrder Version="1.0" ControllingInstance="Odette">
      <SubType>VehicleServiceOrder</SubType>
      <Profile>OEM XYZ</Profile>
      <DocumentID>BFKWF21458</DocumentID>
      <IssueDate Format="CCYYMMDD">20200513</IssueDate>
      <Header>
        <SenderID Agency="Buyer">7654321</SenderID>
        <ReceiverID Agency="Odette">TSP12810</ReceiverID>
        <ServiceProvider>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
          <ServiceLocation Lat="48.123456" Lon="11.232124">
            <LocationID>Parking North</LocationID>
          </ServiceLocation>
        </ServiceProvider>
        <ServiceBuyer>
          <Identifier Agency="Buyer">7654321</Identifier>
          <Address>
            <Name1>Colossal Car Company</Name1>
            <Street1>Behrenstraße 35</Street1>
            <PostalCode>10117</PostalCode>
            <City>Berlin</City>
            <CountryCode>DE</CountryCode>
          </Address>
        </ServiceBuyer>
        <ServiceSeller>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
        </ServiceSeller>
        <Reference Qualifier="BatchNumber">25545RDV</Reference>
      </Header>
    </VehicleServiceOrder>
  </Body>
</Envelope>
```

```
</Header>
<Line PlanningType="onDemand">
  <VehicleID Type="VIN">12345678901234567</VehicleID>
  <Model Cluster="Sedan">
    <Name>JEEP WRANGLER / SAHARA 4x4</Name>
    <Version>D3V8</Version>
    <ModelGroup>5</ModelGroup>
  </Model>
  <ServiceCode>X23</ServiceCode>
  <ServiceDescription Language="en">Charge high-voltage battery</ServiceDescription>
</Line>
</VehicleServiceOrder>
</Body>
</Envelope>
```

Vehicle service order (regular)

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2020A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogratiion:de:firma:ort:001</ReceiverID>
    <SenderID>SenderID</SenderID>
    <MessageType>VehicleServiceOrder</MessageType>
    <InterchangeID>www.abc.com_201010151433</InterchangeID>
    <Timestamp>2020-05-13T14:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleServiceOrder Version="1.0" ControllingInstance="Odette">
      <SubType>VehicleServiceOrder</SubType>
      <Profile>OEM XYZ</Profile>
      <DocumentID>BFKWF21457</DocumentID>
      <IssueDate Format="CCYYMMDD">20200513</IssueDate>
      <Header>
        <SenderID Agency="Buyer">7654321</SenderID>
        <ReceiverID Agency="Odette">TSP12810</ReceiverID>
        <ServiceProvider>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
          <ServiceLocation Lat="48.123456" Lon="11.232124">
            <LocationID>Parking North</LocationID>
          </ServiceLocation>
        </ServiceProvider>
        <ServiceBuyer>
          <Identifier Agency="Buyer">7654321</Identifier>
          <Address>
            <Name1>Colossal Car Company</Name1>
            <Street1>Behrenstraße 35</Street1>
            <PostalCode>10117</PostalCode>
            <City>Berlin</City>
            <CountryCode>DE</CountryCode>
          </Address>
        </ServiceBuyer>
        <ServiceSeller>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
        </ServiceSeller>
        <Reference Qualifier="BatchNumber">25545RDV</Reference>
      </Header>
    </VehicleServiceOrder>
  </Body>
</Envelope>
```

```
</Header>
<Line PlanningType="regular" Priority="false">
  <VehicleID Type="VIN">12345678901234567</VehicleID>
  <Model Cluster="Sedan">
    <Name>JEEP WRANGLER / SAHARA 4x4</Name>
    <Version>D3V8</Version>
    <ModelGroup>5</ModelGroup>
  </Model>
  <ServiceCode>X13</ServiceCode>
  <ServiceDescription Language="en">Apply transport protection,
styrofoam</ServiceDescription>
</Line>
</VehicleServiceOrder>
</Body>
</Envelope>
```

Vehicle service order response

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope Version="2020A" ControllingInstance="Odette">
  <Header>
    <ReceiverID>urn:autogration:de:firma:ort:001</ReceiverID>
    <SenderID>SenderID</SenderID>
    <MessageType>VehicleServiceOrder</MessageType>
    <InterchangeID>www.abc.com_201010151433</InterchangeID>
    <Timestamp>2020-05-13T14:33:55</Timestamp>
  </Header>
  <Body>
    <VehicleServiceOrder Version="1.0" ControllingInstance="Odette">
      <SubType>VehicleServiceOrderResponse</SubType>
      <Profile>OEM XYZ</Profile>
      <DocumentID>BFKWF21457</DocumentID>
      <IssueDate Format="CCYYMMDD">20200513</IssueDate>
      <Header>
        <SenderID Agency="Odette">TSP128</SenderID>
        <ReceiverID Agency="Buyer">7654321</ReceiverID>
        <ServiceProvider>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
          <ServiceLocation Lat="48.123456" Lon="11.232124">
            <LocationID>Parking North</LocationID>
          </ServiceLocation>
        </ServiceProvider>
        <ServiceBuyer>
          <Identifier Agency="Buyer">7654321</Identifier>
          <Address>
            <Name1>Colossal Car Company</Name1>
            <Street1>Behrenstraße 35</Street1>
            <PostalCode>10117</PostalCode>
            <City>Berlin</City>
            <CountryCode>DE</CountryCode>
          </Address>
        </ServiceBuyer>
        <ServiceSeller>
          <Identifier Agency="Odette">TSP128</Identifier>
          <Address>
            <Name1>Fast and Prompt</Name1>
            <Name2>Transport Logistics Service</Name2>
            <Street1>Fast Lane 1</Street1>
            <PostalCode>80100</PostalCode>
            <City>Napoli</City>
            <CountryCode>IT</CountryCode>
          </Address>
        </ServiceSeller>
      </Header>
```



```
<Line PlanningType="onDemand" Priority="true">
  <StartDate Status="estimated">20200513</StartDate>
  <CompletionDate Status="estimated" Format="CCYYMMDDhhmm">202005132200</CompletionDate>
  <VehicleID Type="VIN">12345678901234567</VehicleID>
  <Model Cluster="Sedan">
    <Name>JEEP WRANGLER / SAHARA 4x4</Name>
    <Version>D3V8</Version>
    <ModelGroup>5</ModelGroup>
  </Model>
  <ServiceCode>X23</ServiceCode>
  <ServiceDescription Language="en">Charge high-voltage battery</ServiceDescription>
</Line>
</VehicleServiceOrder>
</Body>
</Envelope>
```