

# ECTA Best Practice Guideline: Transport Order Data Standards within Bulk Chemicals



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### **Disclaimer**

This document is intended for information only and sets out best practice guidelines for order data standards within a bulk chemicals supply chain in a harmonized and interoperable way amongst different supply chain actors. The information provided in these guidelines is provided in good faith and, while it is accurate as far as the authors are aware, no representations or warranties are made with regards to its completeness. It is not intended to be a comprehensive guide. Each company, based on their individual decision-making process, may apply these guidelines, in full or partly or apply any other adapted measures.

No responsibility will be assumed by ECTA to the information contained in these Guidelines.

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## 1. Lexicon and List of Abbreviations

API	Application Programming Interface
DG	Dangerous Goods
ECTA	European Chemical Transport Association
EDI	Electronic Data Interchange
ETx	Referring to all different types of estimated time updates, such as ETA, ETP, etc.
LSP	Logistics Service Provider
Milestone Event	A node where logistics activities take place within the logistics chain that might impact the ETA
XML-XSD	XSD (XML Schema Definition) is a World Wide Web Consortium (W3C) recommendation that specifies how to formally describe the elements in an Extensible Markup Language (XML) document.

## 2. Introduction

Electronic data exchange across companies has become more and more important in order to improve productivity and implementation time through standardizing the data formats between supply chain actors. As a first step, in January 2021, ECTA published the latest version of a first best practice guideline for transport visibility within bulk chemicals<sup>1</sup> which has defined transport milestone events and ETx update messages for various supply chain actors.

However, in the order-to-cash process within bulk logistics, additional data next to visibility is exchanged between shippers and logistics service providers: On the one hand, order-related information is transmitted from the shipper to the logistics service provider to specify shipment instructions, such as locations, product specifics and other individual requirements. On the other hand, after transport execution the exchange of invoice-related information takes place to trigger the completion of a service: Besides bare freight costs also extra cost-related items, such as heating, truck waiting times or other auxiliary services are handled during the payment process.

The objective of this guideline on transport order data standards is to complement the existing visibility guideline and give the involved stakeholders additional guidance how to facilitate electronic data exchange in this area. In addition, the recommendation is given to apply an order data standard based on OAGIS® Chem eStandard 5.4 plus some extended bulk-logistics specific attributes being identified by ECTA.

In the next chapters, the scope and objectives of this guideline are further described before experiences of existing challenges for order data exchange are outlined. Afterwards, the message flows are briefly shown and finally proposed content of the order entry message is shared to facilitate adoption of electronic data exchange by the different actors.

## 3. Scope and Objectives

Today, no standardized order data exchange within bulk supply chains is in place. In addition, a lot of the required order data is in an unstructured form, which leads to inefficiencies in logistics processes across the supply chain partners. Hence, the opportunity lays in defining a more uniform order data exchange standard for the chemical bulk transport sector. By standardizing the terms used and by documenting the related data with sample messages, this ECTA best practice guideline aims to provide a foundation that can be used in the current interface standardization work and for future initiatives. ECTA recognizes that there is a variety of other standards out there today and endeavors to reuse these resources where it fits within the context.

This guideline is focused on the chemical dry and liquid bulk transports with specific attention to the order information exchange. From a transport mode point of view, movements between road, rail and sea are included.

We consider the following supply chain actors involved:

### 1. Logistics Service Providers

- Freight forwarders
- Transport/trucking companies

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<sup>1</sup> Access ECTA BEST PRACTICE GUIDELINE: TRANSPORT VISIBILITY WITHIN BULK CHEMICALS via <https://www.ecta.com/Best-Practices-Guidelines>

## 2. Customers / Shippers

- Petrochemicals, Chemicals and Gas producers
- Chemical processors
- Chemical distributors and traders

## 3. Data Connectivity Provider / Data Exchange Platforms

The overall objectives of the guideline are to:

- Strengthen the chemical bulk transport industry's ability to send and receive data across the parties in the industry
- Provide the foundation for a clear and structured order data exchange within chemical bulk supply chains
- Ensure interoperability by using a shared data language, preferably inspired by existing standards and aligned with the industry processes and actors
- Define mandatory and optional data fields for a transport order and therewith avoid unstructured data (free-text-information) in order data exchange
- Provide standardized sample messages for transport order data for current interface standardization work and future initiatives
- Improve efficient, safe and secure operations

## 4. Challenges of Transport Order Data Exchange

While on high level transport order data exchange looks quite straightforward and simple, when digging into the details a couple of constraints and challenges are encountered. Obviously, each challenge is an opportunity, but it might take some time and it is important to manage expectations. Some of the challenges in order data exchange are:

- The industry currently uses a variety of standards (e.g. ANSI X12, ASCII, CIDX, EDIFACT, etc.) for the transmission of order data. This variety of formats and structures creates unnecessary complexity in managing and maintaining these interfaces.
- The different versions and individual setups lead to higher demands on the knowledge and training of the technical staff implementing and maintaining these interfaces.
- All standards have similar problems caused by general free text fields and the unstructured data in it. General free text fields and their unstructured data require manual post-processing and interpretation to convert this data into structured data. Manual post-processing of data is not free of manual errors and thus an unnecessary safety risk.
- Mandatory and optional data fields are not unambiguously defined, which in certain cases can lead to missing mandatory data and incorrect interpretation of the transmitted values.
- Non-standard messages require an individual setup and mapping of the data in the edge systems. This means that implementing an interface takes more time, as more communication and testing is required to connect a new partner than with a standardized interface.
- Different semantics and definitions are used, leading to an increased need for communication when establishing a new connection.
- The master data used in the various partner systems are not at the same level everywhere. Inconsistent or missing master data at the sender side leads to manual completion or correction of data elements at the data receiver side.
- Not all partners have the same resources and know-how to implement interfaces for automated data exchange.

- Some companies consider data exchange as a safety risk and loss of control.
- A scattered landscape of network providers and supply chain actors hamper the standardization in order data exchange.
- Exchanging information requires harmonised industry-wide standards and definitions to ensure interoperability and scalability.
- Lack of cyber security awareness still allows the operation of unsecured connections for data exchange.
- Emergence of API instead of EDI which can bring some complexity in the way to align practices.
- The new national data exchange regulations are not aligned in Europe.

## 5. Electronic Message Flows

Electronic data exchange between the involved stakeholders takes place at three main stages as shown in below high-level overview. At first transport order information is provided by the shipper and received by a logistics service provider (LSP). Once the transport execution has started, the LSP provides transport updates to the shipper to ensure transport visibility. Finally, after delivery of the cargo was realised, the freight settlement and billing is initiated. Depending on the set-up, this process can be triggered by the shipper or the carrier. In bulk chemical logistics, often a connectivity platform is involved as an intermediate party to facilitate the data exchange between LSP and shipper. Alternatively, the data exchange can be executed via a point-to-point connection directly between shipper and LSP.

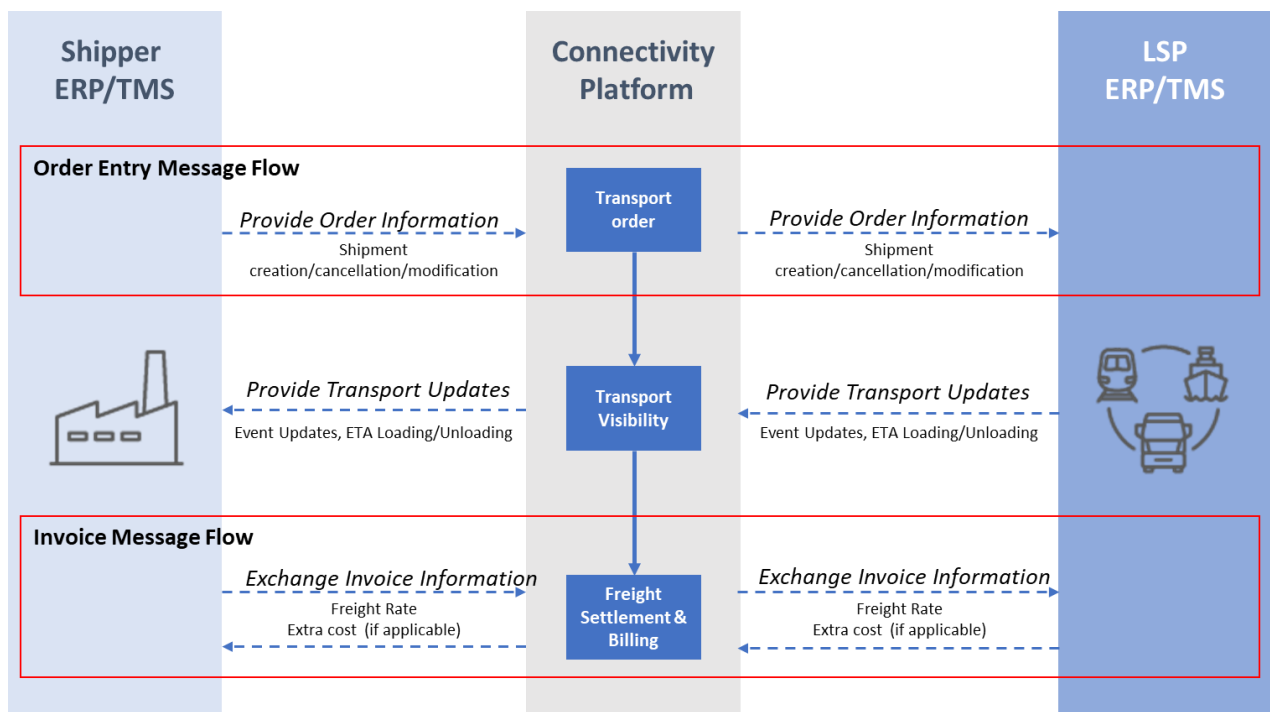


Figure 1: High-level Overview of Electronic Data Exchange

In this guideline, the focus is put on the order entry message flow. For more details regarding the provision of transport updates of the LSP, it can be referred to the ECTA Best Practice Guideline “Transport visibility within Bulk Chemicals”.

## 6. Content of Transport Order Message

The following chapter provides an overview of the recommended standardized transport order message and its attributes. A detailed description of the corresponding fields is attached in the annex 8.1 and 8.2. XSD file as well as example XML messages for the recommended data exchange formats via EDI are available via ECTA<sup>2</sup>.

The ECTA order message is largely derived from the existing OAGIS<sup>®</sup> Chem eStandard 5.4<sup>3</sup>, but extended with some ECTA-specific attributes. ECTA recommends using this extended message version to establish a standardized communication between the different actors.

### 6.1 Transport Order Message

The following overview shows the mandatory and the optional attributes of the order message.

Order Message			
Level	Content/Attribute	Value	Mandatory (M), Optional (O)
<b>Routing</b>	DocumentIdentifier	individual <sup>4</sup>	M
	ThisDocumentDateTime	ISO Codes 8601	M
	From	DUNS Number / CompanyID	M
	To	DUNS Number / CompanyID	M

<sup>2</sup> Please feel free to contact ECTA at [info@ecta.com](mailto:info@ecta.com)

<sup>3</sup> Please see for details <https://oagi.org/Resources/ChemeStandards54/tabid/187/Default.aspx>

<sup>4</sup> “individual” means that there is no specific value or format defined for the content.



<b>Header</b>	ecta:eECD	Boolean flag	M
	LoadTenderNumber	Order Reference	M
	LoadTenderDateTime	Order issue date	M
	TransportMethodCode	UN Rec. 19 based code	M
	LoadTenderStatus	Original, Change, Cancel	M
	ecta:ReferenceInformation	3rd party order references	O
	SpecialInstructions	Free text (200 characters)	O
<b>Shipper Party</b>	PartnerName	Partner Name	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	Contact Name	O
	ContactNumber	Contact Phone	O
	EmailAddress	Contact email	O
	AddressLine	Postal address	O
	CityName	individual	O
	StateOrProvince	individual	O
LocationCode	ISO-3166-1	O	
<b>Payer Party</b>	PartnerName	Partner Name	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	Contact Name	O
	ContactNumber	Contact Phone	O
	EmailAddress	Contact email	O
	AddressLine	Postal address	O
	CityName	individual	O
	StateOrProvince	individual	O
	LocationCode	ISO-3166-1	O
	TaxIdentifierNumber	individual	O
<b>Carrier Party</b>	PartnerName	Partner Name	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	Contact Name	O

	ContactNumber	Contact Phone	O
	EmailAddress	Contact email	O
	AddressLine	Postal address	O
	CityName	individual	O
	StateOrProvince	individual	O
	LocationCode	ISO-3166-1	O
<b>Equipment</b>	LineNumber	individual	M
	ProductLineItemLineNumber	individual	O
	EquipmentIdentifier	individual	O
	EquipmentOwnershipCode	1= shipper or 2=carrier	M
	SpecialInstructions	Free text (200 characters)	O
	SealNumber	individual	O
	EquipmentLoadEmptyStatus	Empty or full	O
	ecta:ContainerType	ISO, high cube, etc	M
	ecta:EquipmentType	individual	O
	ecta:VehicleType	individual	O
	ecta:DipTube	Yes, no, allowed	O
	ecta:NumberofCompartments	Integer > 0	M
	ecta:CouplingForLoading	individual	O
	ecta:CouplingForUnloading	individual	O
	ecta:ValveType	individual	O
	ecta:BaffleRequired	Boolean flag	M
	ecta:HandrailRequired	Boolean flag	M
	ecta:GasketType	individual	O
ecta:GroundOperated	Boolean flag	M	
ecta:WalkwayRequired	Boolean flag	M	
ecta:PumpType	individual	O	
ecta:CompressorRequired	Boolean flag	M	

	ecta:HoseLengthLoading	individual	O
	ecta:HoseVaporReturnLoadingRequired	Boolean flag	M
	ecta:HoseLengthUnloading	individual	O
	ecta:HoseVaporReturnUnloadingRequired	individual	O
	ecta:ProductTypeRequirement	individual	O
	ecta:Detergent	individual	O
	ecta:MaximumCleaningCertificateValidityTime	individual	O
	ecta:FilterType	individual	O
	EquipmentMaterialType	individual	M
<b>Product, delivery and customs</b>	LineNumber	individual	M
	EquipmentDetailsLineNumber	individual	M
	ProductIdentifier	Individual	M
	ProductName	individual	M
	ecta: ChemicalAbstractsServiceRegistryNumber	individual	O
	ecta:HsCode	individual	O
	PickUpNumber	individual	M
	ecta:DropOffNumber	individual	M
	ecta:MovementReferenceNumber	individual	O
	ecta:UniqueConsignmentReference	individual	O
	DeliveryNoteNumber	individual	M
	EndCustomerPONumber	individual	O
	CountryOfOriginCode	ISO-3166-1	O
	CountryOfFinalDestinationCode	ISO-3166-1	O
	ecta:CustomsForm	T1, T2, EX, EU	O
	NetVolume	individual	M
	NetWeight	individual	M
RequestedDeliveryDateTime	Date or Timerange	M	
RequestedPickupDateTime	Date or Timerange	M	
DeliveryTermsCode	INCO Terms	M	

	DeliveryTermsLocation	individual	M
	DeclaredValue	Customs declared value	O
<b>ShipFrom</b>	PartnerName	individual	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	individual	O
	ContactNumber	individual	O
	EmailAddress	individual	O
	AddressLine	individual	M
	CityName	individual	M
	StateOrProvince	individual	O
	PostalCode	individual	M
	LocationCode	ISO-3166-1	M
	ecta:Longitude	individual	M
	ecta:Latitude	individual	M
	ecta:ChassisRequirement	Front or Rear	O
	ecta:HeightRestriction	individual	O
	ecta:Weighing	Internal or External	O
ecta>LoadingPointDescription	individual	O	
ecta>TimeSlotManagement	individual	O	
OpenHours	individual	M	
LoadDockHours	individual	O	
<b>ShipTo</b>	PartnerName	individual	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	individual	O
	ContactNumber	individual	O
	EmailAddress	individual	O
	AddressLine	individual	M
	CityName	individual	M
	StateOrProvince	individual	O

	PostalCode	individual	M
	LocationCode	ISO-3166-1	M
	ecta:Longitude	individual	M
	ecta:Latitude	individual	M
	ecta:ChassisRequirement	Front or Rear	O
	ecta:HeightRestriction	individual	O
	ecta:Weighing	Internal or External	O
	ecta:UnloadingPointDescription	individual	O
	ecta:TimeSlotManagement	individual	O
	OpenHours	individual	M
	LoadDockHours	individual	O
<b>Consignee</b>	PartnerName	individual	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	individual	O
	ContactNumber	individual	O
	EmailAddress	individual	O
	AddressLine	individual	M
	CityName	individual	M
	StateOrProvince	individual	O
	PostalCode	individual	M
LocationCode	ISO-3166-1	M	
<b>Consignor</b>	PartnerName	individual	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
	ContactName	individual	O
	ContactNumber	individual	O
	EmailAddress	individual	O
	AddressLine	individual	M
	CityName	individual	M
	StateOrProvince	individual	O

	PostalCode	individual	M
	LocationCode	ISO-3166-1	M
<b>Dangerous Goods (DG)</b>	RegulationCode	ADR, IMDG, RID, etc	M
	ProperShippingName	individual	O
	TechnicalName	individual	O
	ecta:UnitedNationsDangerousGoodsNumber	UNDG number	M
	HazardousClassPrimaryCode	individual	M
	HazardousClassSubsidiaryCode	individual	O
	PackingGroupCode	I, II, III	M
	EmergencyResponsePlanNumber	individual	O
	EmergencyResponseContact	individual	O
	HazardousFormattedText	individual	M

*Table 1: Attributes of Transport Order Message*

## 6.2 Transport Order Acknowledgement Message

The following overview shows the mandatory and the optional attributes of the acknowledgement message.

Acknowledgement Message - CUSTOMER View			
Level	Content/Attribute	Value	Mandatory (M), Optional (O)
<b>Routing</b>	DocumentIdentifier	individual	M
	ThisDocumentDateTime	ISO Codes 8601	M
	From	DUNS Number / CompanyID	M
	To	DUNS Number / CompanyID	M
	RequestingDocumentIdentifier	Reference to Order Message	M
<b>Header</b>	LoadTenderNumber	Order Reference	M
	AcceptOrReject	Accept/Reject indicator	M
	RejectReason	Reject reason, if rejected	O
	CarrierReferenceNumber	Carrier system reference	M
	ecta:ReferenceInformation	3rd party order references	O
	SpecialInstructions	Free text (200 characters)	O
<b>Shipper Party</b>	PartnerName	Partner Name	M
	PartnerIdentifier	Partner Id (buyer assigned)	M
<b>Carrier Party</b>	PartnerName	Partner Name	M
	PartnerIdentifier	Partner Id (buyer assigned)	M

Table 2: Attributes of Transport Order Acknowledgement Message

## 7. Contact Lists and WG Participants



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## 8. Annex

### 8.1 Transport Order Entry Message - Description of the Fields

Header	ThisDocumentIdentifier.DocumentIdentifier. DocumentIdentifier	Unique Identifier of this order message
Header	ThisDocumentDateTime.DateTime	Time, when message got created
Header	From.PartnerInformation.PartnerIdentifier	DUNS Number / CompanyID
Header	To.PartnerInformation.PartnerIdentifier	DUNS Number / CompanyID
LoadTenderMotorProperties	LoadTenderNumber.DocumentIdentifier	Unique order reference assigned by the shipper
LoadTenderMotorProperties	LoadTenderDateTime.DateTime	Release date and time of the order
LoadTenderMotorProperties	@ecta:eECD	ECD tank cleaning Boolean flag
LoadTenderMotorProperties	TransportMethodCode	Transport method <ul style="list-style-type: none"> <li>- Road plain = 3</li> <li>- Intermodal Maritime = 61</li> <li>- Intermodal Rail = 62</li> <li>- Intermodal Barge = 68</li> <li>- Rail plain = 2</li> </ul>
LoadTenderMotorProperties	LoadTenderStatus	Order status <ul style="list-style-type: none"> <li>- Original = indicates order creation</li> <li>- Change = indicates change of an existing order</li> <li>- Cancel = indicates cancellation of an existing order</li> </ul>
LoadTenderMotorProperties	ecta:ReferenceInformation	3 <sup>rd</sup> party assigned references of the order
LoadTenderMotorProperties	SpecialInstructions	Free text instructions (200 characters max)
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Carrier].PartnerInformation.PartnerName	Carrier name

LoadTenderMotorPartners	OtherPartner[@PartnerRole = Carrier].PartnerInformation.PartnerIdentifier	Carrier identifier
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Shipper].PartnerInformation.PartnerName	Shipper name
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Shipper].PartnerInformation.PartnerIdentifier	Shipper identifier
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Payer].PartnerInformation.PartnerName	Freight payer name
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Payer].PartnerInformation.PartnerIdentifier	Freight Payer identifier
LoadTenderMotorPartners	OtherPartner[@PartnerRole = Payer].PartnerInformation.TaxInformation.TaxIdentifierNumber	VAT Identifier of freight paying entity
EquipmentDetails	LineNumber	Unique equipment reference
EquipmentDetails	ProductLineItemLineNumber	Product items associated with equipment
EquipmentDetails	EquipmentIdentifier	Container identification (ISO or shipper/carrier assigned)
EquipmentDetails	EquipmentOwnershipCode	Specifies who owns or provisions equipment - 1 = shipper - 2 = carrier
EquipmentDetails	SealNumber	Seals which are to be or actually are applied to the specified equipment. One seal per field.
EquipmentDetails	EquipmentLoadEmptyStatus	Specifies if Equipment is moved empty or loaded
EquipmentDetails	ecta:ContainerType	Specifies the type of Equipment - ISO-6346 - High Cube - Other
EquipmentDetails	ecta:EquipmentType	Box Container, Tank Container, Tank Trailer, Tautliner
EquipmentDetails	ecta:VehicleType	H2O truck, e-truck, etc.
EquipmentDetails	ecta:DipTube	Dip tube requirement - Yes - No - Allowed

EquipmentDetails	ecta:NumberofCompartments	Number of compartments, expressed as integer greater than zero
EquipmentDetails	ecta:CouplingForLoading	Specifies the coupling for loading
EquipmentDetails	ecta:CouplingForUnloading	Specifies the coupling for unloading
EquipmentDetails	ecta:ValveType	Specifies the valve requirement
EquipmentDetails	ecta:BaffleRequired	Boolean flag that specifies if a baffle is required
EquipmentDetails	ecta:HandrailRequired	Boolean flag that specifies if a handrail is required
EquipmentDetails	ecta:GasketType	Specifies the type of gaskets
EquipmentDetails	ecta:GroundOperated	Boolean flag that specifies if equipment is ground operated
EquipmentDetails	ecta:WalkwayRequired	Boolean flag that specifies if a walkway is required
EquipmentDetails	ecta:PumpType	Specifies the type of pump
EquipmentDetails	ecta:CompressorRequired	Boolean flag that specifies if a compressor is required
EquipmentDetails	ecta:HoseLengthLoading	Specifies the hoselength required for loading
EquipmentDetails	ecta:HoseLengthUnloading	Specifies the hoselength required for unloading
EquipmentDetails	ecta:HoseVaporReturnLoadingRequired	Boolean flag that specifies vapor return is required at loading
EquipmentDetails	ecta:HoseVaporReturnUnloadingRequired	Boolean flag that specifies vapor return is required at unloading
EquipmentDetails	ecta:ProductTypeRequirement	Specifies GMP requirement: <ul style="list-style-type: none"> <li>- Food grade</li> <li>- Kosher</li> <li>- Other</li> </ul>
EquipmentDetails	ecta:Detergent	Specifies the detergent(s) to be used for equipment cleaning
EquipmentDetails	ecta:MaximumCleaningCertificateValidityTime	Specifies the validity time of the cleaning certificate in days
EquipmentDetails	ecta:FilterType	Specifies the type of filter
EquipmentDetails	EquipmentMaterialType.Enclosure	Specifies the enclosing material

LoadTenderMotorProductLineItem	LineNumber	Unique product item reference
LoadTenderMotorProductLineItem	EquipmentDetailsLineNumber	Equipment related to product item
LoadTenderMotorProductLineItem	ProductIdentification.ProductIdentifier	Shipper defined product code
LoadTenderMotorProductLineItem	ProductIdentification.ProductName	Shipper defined product name or description
LoadTenderMotorProductLineItem	ecta:ChemicalAbstractsServiceRegistryNumber	CAS Number
LoadTenderMotorProductLineItem	ecta:HsCode	Harmonized systems code (customs)
LoadTenderMotorProductLineItem	ReferenceInformation[@ReferenceType = "PickUpNumber"]	Shipper provided pickup or loading reference
LoadTenderMotorProductLineItem	ecta:ReferenceInformation[@ecta:ReferenceType = "DropOffNumber"]	Shipper provided drop-off or unloading reference
LoadTenderMotorProductLineItem	ecta:ReferenceInformation[@ecta:ReferenceType = "MovementReferenceNumber"]	MRN or Material Reference Number
LoadTenderMotorProductLineItem	ecta:ReferenceInformation[@ecta:ReferenceType = "UniqueConsignmentReference"]	URN or Unique Consignment Reference Number
LoadTenderMotorProductLineItem	ReferenceInformation[@ReferenceType = "DeliveryNoteNumber"]	Shipper assigned outbound delivery order number
LoadTenderMotorProductLineItem	ReferenceInformation[@ReferenceType = "EndCustomerPONumber"]	Consignee's original purchase order reference
LoadTenderMotorProductLineItem	CustomsInformation.CountryOfOriginCode	Country product is originating from
LoadTenderMotorProductLineItem	CustomsInformation.CountryOfFinalDestinationCode	Country product is meant to be shipped
LoadTenderMotorProductLineItem	CustomsInformation.ecta:CustomsForm	Customs form - T1 - T2 - Other
LoadTenderMotorProductLineItem	NetVolume.SpecifiedMeasurement	Net volume of product
LoadTenderMotorProductLineItem	NetWeight.SpecifiedMeasurement	Net weight of product
LoadTenderMotorProductLineItem	RequestedDeliveryDateTime.DateTimeInformation.DateTime	Requested delivery date
LoadTenderMotorProductLineItem	RequestedDeliveryDateTime.DateTimeInformation .DateTimeRange	Requested delivery datetime range
LoadTenderMotorProductLineItem	RequestedPickupDateTime.DateTimeInformation.DateTime	Requested pickup date
LoadTenderMotorProductLineItem	RequestedPickupDateTime.DateTimeInformation.DateTimeRange	Requested pickup datetime range
LoadTenderMotorProductLineItem	DeliveryTerms.DeliveryTermsCode	INCO term
LoadTenderMotorProductLineItem	DeliveryTerms.DeliveryTermsLocation	Transfer location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.PartnerName	Pickup location name

LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.PartnerIdentifier	Pickup location reference
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ContactInformation.@ecta:advise	Pickup pre-advise indicator specifies if outside communication is required to arrange the pickup
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ContactInformation.ContactName	Name or Description of contact
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ContactInformation.ContactNumber	Contact phone number
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ContactInformation.EmailAddress	Contact email
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.AddressInformation.AddressLine	Pickup Address lines
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.AddressInformation.CityName	Pickup city
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.AddressInformation.StateOrProvince	Pickup region
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.PostalCode	Pickup zip/postal code
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.LocationCode	Pickup country code (ISO-3166-1)
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ecta:GeoSpatial.ecta:Longitude	Geospatial longitude of pickup location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ecta:GeoSpatial.ecta:Latitude	Geospatial latitude of pickup location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ecta:ChassisRequirement	Chassis: - Rear - Front - Other
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ecta:HeightRestriction	Pickup location height restriction expressed in meters

LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.ecta:Weighing	Weighing location indicator - Internal = on pickup location premises - External = external weighing location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.LoadingPoint.ecta>LoadingPointDescription	Description or code of exact loading point
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.LoadingPoint.ecta>TimeSlotManagement	Information regarding loading appointments
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipFrom].PartnerInformation.LoadingPoint.OpenHours.TimeOfDayRange	Opening hours of location composed of - DayOfWeek - StartTime - Duration
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.PartnerName	Delivery location name
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.PartnerIdentifier	Delivery location reference
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ContactInformation.@ecta>advise	Delivery pre-advise indicator specifies if outside communication is required to arrange the delivery
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ContactInformation.ContactName	Name or Description of contact
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ContactInformation.ContactNumber	Contact phone number
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ContactInformation.EmailAddress	Contact email
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.AddressInformation.AddressLine	Delivery Address lines
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.AddressInformation.CityName	Delivery city
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.AddressInformation.	Delivery region

	StateOrProvince	
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.AddressInformation.PostalCode	Delivery zip/postal code
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.AddressInformation.LocationCode	Delivery country code (ISO-3166-1)
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ecta:GeoSpatial.ecta:Longitude	Geospatial longitude of delivery location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ecta:GeoSpatial.ecta:Latitude	Geospatial latitude of delivery location
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ecta:ChassisRequirement	Chassis: <ul style="list-style-type: none"> <li>- Rear</li> <li>- Front</li> <li>- Other</li> </ul>
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ecta:HeightRestriction	Delivery location height restriction expressed in meters
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.ecta:Weighing	Weighing location indicator <ul style="list-style-type: none"> <li>- Internal = on delivery location premises</li> <li>- External = external weighing location</li> </ul>
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.UnloadingPoint.ecta:LoadingPointDescription	Description or code of exact unloading point
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.UnloadingPoint.ecta:TimeSlotManagement	Information regarding unloading appointments
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = ShipTo].PartnerInformation.LoadingPoint.OpenHours.TimeOfDayRange	Opening hours of location composed of <ul style="list-style-type: none"> <li>- DayOfWeek</li> <li>- StartTime</li> <li>- Duration</li> </ul>
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.PartnerName	Consignee name

LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.PartnerIdentifier	Consignee partner identifier
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.ContactInformation.ContactName	Consignee Contact Name
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.ContactNumber	Consignee Phone Number
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.EmailAddress	Consignee Email Address
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.AddressInformation.AddressLine	Cosignee Address
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.AddressInformation.CityName	Consignee City
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.AddressInformation.StateOrProvince	Consignee Region
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.AddressInformation.PostalCode	Consignee Postal Code
LoadTenderMotorProductLineItem	OtherPartner[@PartnerRole = Consignee].PartnerInformation.AddressInformation.LocationCode	Consignee country code (ISO-3166-1)
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.PartnerName	Consignor name
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.PartnerIdentifier	Consignor partner identifier
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.ContactInformation.ContactName	Consignor Contact Name
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.ContactNumber	Consignor Phone Number
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.EmailAddress	Consignor Email Address
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.AddressInformation.AddressLine	Consignor Address
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.AddressInformation.CityName	Consignor City
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.AddressInformation.StateOrProvince	Consignor Region



LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.AddressInformation. PostalCode	Consignor Postal Code
LoadTenderMotorProductLineItem	ecta:Consignor.PartnerInformation.AddressInformation. LocationCode	Consignor country code (ISO-3166-1)
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.RegulationCode	Regulatory body for DG: - ADR - IMDG - RID - Other
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazmatShippingName.LanguageCode	Language being used for shipping and technical name
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazmatShippingName. ProperShippingName	Proper shipping name
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazmatShippingName. TechnicalName	Technical name, e.g. hazard inducing substances
LoadTenderMotorProductLineItem	HazardousShipment.Regulation. ecta:UnitedNationsDangerousGoodsNumber	UN Dangerous Goods number
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazardousClassPrimaryCode	Primary hazard class
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazardousClassSubsidiaryCode	Hazard subclass
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.PackingGroupCode	Packing group, I, II or III
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.EmergencyResponsePlanNumber	EHS, IMDG emergency response plan number
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.EmergencyResponseContact. ContactInformation.ContactDescription	Emergency contact description
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.EmergencyResponseContact. ContactInformation.ContactNumber	Emergency hotline
LoadTenderMotorProductLineItem	HazardousShipment.Regulation.HazardousFormattedText	Dangerous goods text pattern

*Table 3: Description of Transport Order Message Fields*

## 8.2 Order Acknowledgement Message - Description of the Fields

Header	ThisDocumentIdentifier.DocumentIdentifier. DocumentIdentifier	Unique Identifier of this order message
Header	ThisDocumentDateTime.DateTime	Time, when message got created
Header	From.PartnerInformation.PartnerIdentifier	DUNS Number / CompanyID
Header	To.PartnerInformation.PartnerIdentifier	DUNS Number / CompanyID
Header	RequestingDocumentIdentifier.DocumentIdentifier	References order message this message is the response for
LoadTenderResponseProperties	LoadTenderNumber.DocumentIdentifier	Unique order reference assigned by the shipper
LoadTenderResponseProperties	ReferenceInformation.DocumentReference.DocumentIdentifier	Carrier system generated order reference
LoadTenderResponseProperties	AcceptOrReject	Acknowledgement status: - Accepted - Rejected
LoadTenderResponseProperties	RejectReason	Reject reason or description to describe why order or update of an order was rejected
LoadTenderResponsePartners	Carrier.PartnerInformation. PartnerName	Carrier name
LoadTenderResponsePartners	Carrier.PartnerInformation. PartnerIdentifier	Carrier identifier
LoadTenderResponsePartners	OtherPartner[@PartnerRole = Shipper].PartnerInformation. PartnerName	Shipper name
LoadTenderResponsePartners	OtherPartner[@PartnerRole = Shipper].PartnerInformation. PartnerIdentifier	Shipper identifier

Table 4: Description of Transport Order Acknowledgement Message Fields