



# EMP

## Port Order XML – Declaration case „AES“

Implementation manual  
Version 1.4.0.0/E

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## Change history

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## Change requests

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## Used tools

Number	Used tools
W1	This document was created with <b>MS Word 2021</b> .

## Liability

1. Despite careful development and verification of this document no liability can be derived from the content of this manual towards DAKOSY AG!

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# 1 Introduction

This document describes the required and optional fields for the EMP declaration case „AES“.

This concerns the declaration for the second stage of the AES procedure in the Port Of Hamburg or the declaration for exit in the one-stage AES procedure.

A XSD documentation is also available.

## 2 Structure

Ocurrence	Element/Attribute
	<b>PortOrder</b>
1 .. 1	xs:sequence
1 .. 1	<b>Transaction</b>
1 .. 1	xs:sequence
1 .. 1	IOPartner
1 .. 1	IOReference
1 .. 1	IODateTime
1 .. 1	MessageVersion
0 .. 1	TestIndicator
1 .. 1	<b>Message</b>
1 .. 1	xs:sequence
1 .. 1	<b>Header</b>
1 .. 1	xs:sequence
1 .. 1	Type
0 .. 1	RequestDateTime
1 .. 1	<b>Locations</b>
1 .. 1	xs:sequence
1 .. 2	<b>Location</b>
1 .. 1	xs:sequence
1 .. 1	LocationType
0 .. 1	Code
0 .. 1	Name
1 .. 1	<b>References</b>
1 .. 1	xs:sequence
0 .. 1	BookingNumber
1 .. 1	ForwarderReference
0 .. 1	BillOfLadingNumber
1 .. 1	<b>Participants</b>
1 .. 1	xs:sequence
1 .. 999	<b>Participant</b>
1 .. 1	xs:sequence
1 .. 1	ParticipantType
0 .. 1	DakosyCode
0 .. 1	<b>Identification</b>
1 .. 1	xs:sequence
1 .. 1	EORINumber
1 .. 1	BranchNumber
0 .. 1	Name
0 .. 1	QuayAccountNumber
0 .. 1	CustomerReference
0 .. 1	<b>Contact</b>
1 .. 1	xs:sequence
1 .. 1	Name
1 .. 1	EMail
0 .. 1	FAX
1 .. 1	Phone
1 .. 1	<b>TransportDetails</b>
1 .. 1	xs:sequence
0 .. 1	<b>VesselIdentification</b>
1 .. 1	xs:sequence
0 .. 1	VesselName
0 .. 1	CallSign
0 .. 1	IMONumber
1 .. 1	<b>Schedule</b>

Ocurrence	Element/Attribute
1 .. 1	xs:sequence
0 .. 1	EstimatedShippingDate
0 .. 1	DakosyVoyageNumber
0 .. 1	CarrierSCACCode
0 .. 1	VoyageNumber
<b>0 .. 1</b>	<b>QuayOrderDetails</b>
1 .. 1	xs:sequence
<b>0 .. 1</b>	<b>Orders</b>
1 .. 1	xs:sequence
1 .. 5	TypeOfService
<b>0 .. 1</b>	<b>Delivery</b>
1 .. 1	xs:sequence
0 .. 1	VehicleIdentification
0 .. 1	MeansOfTransport
0 .. 1	DeliveryTo
0 .. 1	AdditionalRemarks
0 .. 1	AdditionalRequest
0 .. 1	WarehouseNumber
0 .. 1	SpecialAgreement
0 .. 1	GoodsInTransitBySealIndicator
0 .. 1	OutboardLoadingIndicator
0 .. 1	ATLASSelfDeclaredIndicator
0 .. 1	DangerousGoodsIssuer
<b>1 .. 1</b>	<b>GoodsItems</b>
1 .. 1	xs:sequence
<b>1 .. 999</b>	<b>GoodsItem</b>
1 .. 1	xs:sequence
1 .. 1	GoodsItemId
<b>1 .. 1</b>	<b>DetailInformation</b>
1 .. 1	xs:sequence
1 .. 1	NumberOfPackages
1 .. 1	PackingCode
1 .. 1	GrossWeight
	unit
0 .. 1	MarksAndNumbers
0 .. 1	GoodsDescription
0 .. 1	MeansOfTransportID
0 .. 1	Remarks
<b>0 .. 1</b>	<b>ContainerReferences</b>
1 .. 1	xs:sequence
<b>1 .. 999</b>	<b>ContainerReference</b>
1 .. 1	xs:sequence
1 .. 1	ContainerNumber
<b>0 .. 1</b>	<b>VehicleInformation</b>
1 .. 1	xs:sequence
0 .. 1	ChassisNumber
0 .. 1	EquipmentIndicator
0 .. 1	AdditionalCargoIndicator
<b>0 .. 1</b>	<b>CustomsInformation</b>
1 .. 1	xs:sequence
<b>0 .. 1</b>	<b>Participants</b>
1 .. 1	xs:sequence
<b>1 .. 999</b>	<b>Participant</b>
1 .. 1	xs:sequence
1 .. 1	ParticipantType

Ocurrence	Element/Attribute
0 .. 1	EORINumber
0 .. 1	BranchNumber
1 .. 1	<b>CustomsReferences</b>
1 .. 1	xs:sequence
0 .. 1	<b>AESMRNs</b>
1 .. 1	xs:sequence
1 .. 200	<b>MRN</b>
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	ReductionIndicator
0 .. 1	<b>AESLRNs</b>
1 .. 1	xs:sequence
1 .. 200	<b>LRN</b>
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	<b>DangerousGoodsInformations</b>
1 .. 1	xs:sequence
1 .. 99	<b>DangerousGoodsInformation</b>
1 .. 1	xs:sequence
0 .. 1	IMDGAmendment
1 .. 1	IMDGClass
1 .. 1	UNNumber
0 .. 1	<b>EmergencyProcedure</b>
1 .. 1	xs:sequence
0 .. 1	FireSchedule
0 .. 1	SpillageSchedule
0 .. 1	FlashPoint
	unit
0 .. 1	<b>Label</b>
1 .. 1	xs:sequence
0 .. 1	Code
0 .. 1	FirstAdditionalLabel
0 .. 1	SecondAdditionalLabel
0 .. 1	MarinePollutantIndicator
1 .. 1	LimitedQuantityIndicator
0 .. 1	ExceptedQuantityIndicator
0 .. 1	PackingGroup
0 .. 1	Properties
0 .. 1	WaterHazardClass
1 .. 1	PropperShippingName
0 .. 1	TechnicalName
0 .. 1	<b>GGVSAAndADRInformation</b>
1 .. 1	xs:sequence
0 .. 1	Class
0 .. 1	Figure
0 .. 1	<b>ExplosiveInformation</b>
1 .. 1	xs:sequence
0 .. 1	Stowage
0 .. 1	CompatibilityGroup

Ocurrence	Element/Attribute
0 .. 1	PowderWeight unit
0 .. 1	RadioactivityInformation
1 .. 1	xs:sequence
1 .. 1	Activity unit
1 .. 1	Category
1 .. 1	TransportCode
1 .. 1	PackingType
0 .. 1	Dimensions
1 .. 1	xs:sequence
1 .. 999	Dimension
1 .. 1	xs:sequence
0 .. 1	Count
0 .. 1	Size
1 .. 1	xs:sequence
0 .. 1	Length unit
0 .. 1	Width unit
0 .. 1	Height unit
0 .. 1	Volume
1 .. 1	xs:sequence
0 .. 1	Single unit
0 .. 1	Total unit
0 .. 1	Packages
1 .. 1	xs:sequence
1 .. 999	Package
1 .. 1	xs:sequence
1 .. 1	Packaged
1 .. 1	DetailInformation
1 .. 1	xs:sequence
1 .. 1	NumberOfPackages
1 .. 1	PackingCode
1 .. 1	GrossWeight unit
0 .. 1	MarksAndNumbers
0 .. 1	GoodsDescription
0 .. 1	MeansOfTransportID
0 .. 1	Remarks
0 .. 1	VehicleInformation
1 .. 1	xs:sequence
0 .. 1	ChassisNumber
0 .. 1	EquipmentIndicator
0 .. 1	AdditionalCargoIndicator
0 .. 1	CustomsInformation
1 .. 1	xs:sequence
0 .. 1	Participants
1 .. 1	xs:sequence
1 .. 999	Participant
1 .. 1	xs:sequence
1 .. 1	ParticipantType

Ocurrence	Element/Attribute
0 .. 1	EORINumber
0 .. 1	BranchNumber
1 .. 1	<b>CustomsReferences</b>
1 .. 1	xs:sequence
0 .. 1	<b>AESMRNs</b>
1 .. 1	xs:sequence
1 .. 999	<b>MRN</b>
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	ReductionIndicator
0 .. 1	<b>AESLRNs</b>
1 .. 1	xs:sequence
1 .. 999	<b>LRN</b>
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	<b>DangerousGoodsInformations</b>
1 .. 1	xs:sequence
1 .. 99	<b>DangerousGoodsInformation</b>
1 .. 1	xs:sequence
0 .. 1	IMDGAmendment
1 .. 1	IMDGClass
1 .. 1	UNNumber
0 .. 1	<b>EmergencyProcedure</b>
1 .. 1	xs:sequence
0 .. 1	FireSchedule
0 .. 1	SpillageSchedule
0 .. 1	FlashPoint
	unit
0 .. 1	<b>Label</b>
1 .. 1	xs:sequence
0 .. 1	Code
0 .. 1	FirstAdditionalLabel
0 .. 1	SecondAdditionalLabel
0 .. 1	MarinePollutantIndicator
1 .. 1	LimitedQuantityIndicator
0 .. 1	ExceptedQuantityIndicator
0 .. 1	PackingGroup
0 .. 1	Properties
0 .. 1	WaterHazardClass
1 .. 1	PropperShippingName
0 .. 1	TechnicalName
0 .. 1	<b>GGVSAAndADRInformation</b>
1 .. 1	xs:sequence
0 .. 1	Class
0 .. 1	Figure
0 .. 1	<b>ExplosiveInformation</b>
1 .. 1	xs:sequence
0 .. 1	Stowage
0 .. 1	CompatibilityGroup

Ocurrence	Element/Attribute
0 .. 1	<ul style="list-style-type: none"> <li>PowderWeight <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<b>RadioactivityInformation</b>
1 .. 1	xs:sequence
1 .. 1	<ul style="list-style-type: none"> <li>Activity <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
1 .. 1	Category
1 .. 1	TransportCode
1 .. 1	PackingType
0 .. 1	<b>Dimensions</b>
1 .. 1	xs:sequence
1 .. 999	<b>Dimension</b>
1 .. 1	xs:sequence
0 .. 1	Count
0 .. 1	Size
1 .. 1	xs:sequence
0 .. 1	<ul style="list-style-type: none"> <li>Length <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>Width <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>Height <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<b>Volume</b>
1 .. 1	xs:sequence
0 .. 1	<ul style="list-style-type: none"> <li>Single <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>Total <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<b>Containers</b>
1 .. 1	xs:sequence
1 .. 999	<b>Container</b>
1 .. 1	xs:sequence
1 .. 1	ContainerNumber
0 .. 1	NonIsoContainerIndicator
0 .. 1	Seal
1 .. 1	SizeType
0 .. 1	<b>TemperatureRange</b>
1 .. 1	xs:sequence
0 .. 1	<ul style="list-style-type: none"> <li>Min <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>Max <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<b>MRNOptions</b>
1 .. 1	xs:sequence
1 .. 1	<b>Reductions</b>
1 .. 1	xs:sequence
1 .. 999	<b>Reduction</b>
1 .. 1	xs:sequence
1 .. 1	ReductionType
1 .. 1	MRN
1 .. 1	Position
0 .. 1	<ul style="list-style-type: none"> <li>ReducedNetWeight <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>ReducedGrossWeight <ul style="list-style-type: none"> <li>unit</li> </ul> </li> </ul>

### 3 Guideline

Element/Attribute	Annotation
<b>PortOrder</b>	Type PortOrderElementType
xs:sequence	Occurrence 1 .. 1
<b>Transaction</b>	Occurrence 1 .. 1 Type TransactionType
xs:sequence	Occurrence 1 .. 1
<b>IOPartner</b>	Occurrence 1 .. 1 Type an..4 Length .. 4 Description DAKOSY participant code
<b>IOReference</b>	Occurrence 1 .. 1 Type an..35 Length .. 35 Description Unique and unambiguous transaction identification reference
<b>IODateTime</b>	Occurrence 1 .. 1 Type xs:dateTime Description Date and time of message creation - ISO 8601 Coordinated Universal Time (UTC) or local time with offset to UTC.
<b>MessageVersion</b>	Occurrence 1 .. 1 Type an..12 Length .. 12 Description Used message version
<b>TestIndicator</b>	Occurrence 0 .. 1 Type xs:boolean Description Test indicator - Indicates whether or not the message is a test message. If the element is not specified or specified as "true", it is about a production message.
<b>Message</b>	Occurrence 1 .. 1 Type MessageType
xs:sequence	Occurrence 1 .. 1
<b>Header</b>	Occurrence 1 .. 1 Type HeaderType
xs:sequence	Occurrence 1 .. 1
<b>Type</b>	Occurrence 1 .. 1 Type portOrderTypeCode Description Port Order Type
<b>RequestDateTime</b>	<b>Applicable Codes</b> AES AES export declaration Occurrence 0 .. 1 Type xs:dateTime Description Date and time of request by the forwarder. ISO 8601 Coordinated Universal Time (UTC) or local time with offset to UTC. Deprecated since Version 1.3.0, will not be processed.
<b>Locations</b>	Occurrence 1 .. 1 Type LocationsType Description This segment summarizes information concerning the shipment route.
xs:sequence	Occurrence 1 .. 1
<b>Location</b>	Occurrence 1 .. 2 Type LocationType Description A location within the shipment route.
xs:sequence	Occurrence 1 .. 1
<b>LocationType</b>	Occurrence 1 .. 1 Type locationTypeCode Description Describes the location type
<b>Code</b>	<b>Applicable Codes</b> FD Final destination POD Port of discharge Occurrence 0 .. 1 Type an5 Description UN-Locode

Element/Attribute	Annotation
└─ Name	Occurrence 0 .. 1 Type an..35 Length .. 35 Description Name of location
└─ References	Occurrence 1 .. 1 Type ReferencesType
└─ xs:sequence	Occurrence 1 .. 1
└─ BookingNumber	Occurrence 0 .. 1 Type an..20 Length .. 20 Description Booking number
└─ ForwarderReference	Occurrence 1 .. 1 Type an..16 Length .. 16 Description Reference number of forwarder
└─ BillOfLadingNumber	Occurrence 0 .. 1 Type an..10 Length .. 10 Description BL number
└─ Participants	Occurrence 1 .. 1 Type ParticipantsType Description This element summarizes information concerning the different process participants.
└─ xs:sequence	Occurrence 1 .. 1
└─ Participant	Occurrence 1 .. 999 Type ParticipantType Description This segment summarizes information concerning one process participant at a time.
└─ xs:sequence	Occurrence 1 .. 1
└─ ParticipantType	Occurrence 1 .. 1 Type participantTypeCode Description Participant type
	<b>Applicable Codes</b>
	<b>AGENT</b> Shipping agent
	<b>ISSUER</b> Issuer
	<b>PARTY_PAYIN</b> Party committing to payment
	<b>G</b>
	<b>WAREHOUSE</b> Warehouse
└─ DakosyCode	Occurrence 0 .. 1 Type an..4 Length .. 4 Description DAKOSY participant code
└─ Identification	Occurrence 0 .. 1 Type IdentificationType Description Identification of participant via EORI and branch number
└─ xs:sequence	Occurrence 1 .. 1
└─ EORINumber	Occurrence 1 .. 1 Type eoriNumberType Length 4 .. 17 Pattern [A-Z]{2}[0-9A-Z]{2,15} Description EORI number
└─ BranchNumber	Occurrence 1 .. 1 Type n4 FractionDigits 0 TotalDigits 4 Pattern \d{4} Description Branch number, set to 0000 if not registered.
└─ Name	Occurrence 0 .. 1 Type an..40 Length .. 40 Description Name of participant

Element/Attribute	Annotation
QuayAccountNumber	Occurrence 0 .. 1 Type an..6 Length .. 6 Description Quai account number of participant
CustomerReference	Occurrence 0 .. 1 Type an..16 Length .. 16 Description Individual position number of participant
Contact	Occurrence 0 .. 1 Type ContactType Description Information of contact person (name, email, fax number and phone number)
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 1 .. 1 Type an..40 Length .. 40 Description Name of contact person
E-Mail	Occurrence 1 .. 1 Type an..100 Length .. 100 Description Email address of contact person
FAX	Occurrence 0 .. 1 Type an..40 Length .. 40 Description Fax number of contact person
Phone	Occurrence 1 .. 1 Type an..40 Length .. 40 Description Phone number of contact person
TransportDetails	Occurrence 1 .. 1 Type TransportDetailsType Description This segment provides information concerning the shipment.
xs:sequence	Occurrence 1 .. 1
VesselIdentification	Occurrence 0 .. 1 Type VesselIdentificationType Description Information concerning the vessel identification (name, IMO number, call sign)
xs:sequence	Occurrence 1 .. 1
VesselName	Occurrence 0 .. 1 Type an..50 Length .. 50 Description Vessel name
CallSign	Occurrence 0 .. 1 Type an..7 Length .. 7 Description Call sign of the vessel
IMONumber	Occurrence 0 .. 1 Type an..7 Length .. 7 Description IMO number of the vessel
Schedule	Occurrence 1 .. 1 Type VesselScheduleType Description Information concerning the planned vessel voyage
xs:sequence	Occurrence 1 .. 1
EstimatedShippingDate	Occurrence 0 .. 1 Type xs:date Description Planned date of shipment
DakosyVoyageNumber	Occurrence 0 .. 1 Type dakosyVoyageNumberType Pattern [A-Z]{3}[0-9]{4} Description DAKOSY voyage number

Element/Attribute	Annotation																																						
CarrierSCACCode	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..4  <b>Length</b> .. 4  <b>Description</b> SCAC code of shipowner</p>																																						
VoyageNumber	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..8  <b>Length</b> .. 8  <b>Description</b> Voyage number of shipowner</p>																																						
QuayOrderDetails	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> QuayOrderDetailsType</p>																																						
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>																																						
Orders	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> OrdersType  <b>Description</b> This segment is used to collect all additional types of services and orders. The specification of service types in this segment is not required at the moment. The textual application in the note field applies.</p>																																						
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>																																						
TypeOfService	<p><b>Occurrence</b> 1 .. 5  <b>Type</b> typeOfServiceCode  <b>Description</b> Service/order type</p> <p><b>Applicable Codes</b></p> <table> <tr><td>480</td><td>Labelling</td></tr> <tr><td>490</td><td>Re-labelling</td></tr> <tr><td>500</td><td>Sorting</td></tr> <tr><td>510</td><td>Putting aside and releasing of goods for arbitrage purposes. Upon release third copy is returned.</td></tr> <tr><td>520</td><td>Maintenance and repair</td></tr> <tr><td>530</td><td>Counting</td></tr> <tr><td>540</td><td>Measuring (only for LCL)</td></tr> <tr><td>550</td><td>Sampling</td></tr> <tr><td>560</td><td>Surveillance</td></tr> <tr><td>570</td><td>Assessing content/condition</td></tr> <tr><td>580</td><td>Pack/unpack containers</td></tr> <tr><td>590</td><td>Weighing</td></tr> <tr><td>591</td><td>Weigh individually</td></tr> <tr><td>592</td><td>Weigh in trays</td></tr> <tr><td>593</td><td>Weigh in batches</td></tr> <tr><td>594</td><td>Weigh with mechanical handling equipment</td></tr> <tr><td>595</td><td>Weigh without mechanical handling equipment</td></tr> <tr><td>596</td><td>Classification (determine tara)</td></tr> <tr><td>999</td><td>Other</td></tr> </table>	480	Labelling	490	Re-labelling	500	Sorting	510	Putting aside and releasing of goods for arbitrage purposes. Upon release third copy is returned.	520	Maintenance and repair	530	Counting	540	Measuring (only for LCL)	550	Sampling	560	Surveillance	570	Assessing content/condition	580	Pack/unpack containers	590	Weighing	591	Weigh individually	592	Weigh in trays	593	Weigh in batches	594	Weigh with mechanical handling equipment	595	Weigh without mechanical handling equipment	596	Classification (determine tara)	999	Other
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592	Weigh in trays																																						
593	Weigh in batches																																						
594	Weigh with mechanical handling equipment																																						
595	Weigh without mechanical handling equipment																																						
596	Classification (determine tara)																																						
999	Other																																						
Delivery	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> DeliveryType  <b>Description</b> This segment provides information concerning the delivery.</p>																																						
xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>																																						
VehicleIdentification	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..13  <b>Length</b> .. 13  <b>Description</b> Wagon/truck number plate</p>																																						
MeansOfTransport	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> meansOfTransportCode  <b>Description</b> Code of means of transport</p> <p><b>Applicable Codes</b></p> <table> <tr><td>AB</td><td>Outboard</td></tr> <tr><td>AN</td><td>Other</td></tr> <tr><td>BS</td><td>Inland vessel</td></tr> <tr><td>FE</td><td>Feeder</td></tr> <tr><td>LK</td><td>Truck</td></tr> <tr><td>SC</td><td>Barge</td></tr> <tr><td>SS</td><td>Seagoing/Ocean vessel</td></tr> </table>	AB	Outboard	AN	Other	BS	Inland vessel	FE	Feeder	LK	Truck	SC	Barge	SS	Seagoing/Ocean vessel																								
AB	Outboard																																						
AN	Other																																						
BS	Inland vessel																																						
FE	Feeder																																						
LK	Truck																																						
SC	Barge																																						
SS	Seagoing/Ocean vessel																																						

Element/Attribute	Annotation
	<b>Applicable Codes</b>
	<b>TL</b> Trailer
	<b>UN</b> Unknown
	<b>WG</b> Waggon
<b>DeliveryTo</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..30 <b>Length</b> .. 30 <b>Description</b> At the disposal/delivery of the company
<b>AdditionalRemarks</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..4lines <b>Pattern</b> (:?[\r?\n]{1,72}(\r?\n)?){0,3}[\r?\n]{1,72}[\r?\n]? <b>Description</b> Additional information - remarks etc. Specification of 1-4 columns with each max. 72 characters
<b>AdditionalRequest</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..35 <b>Length</b> .. 35 <b>Description</b> Additional requests
<b>WarehouseNumber</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..11 <b>Length</b> .. 11 <b>Description</b> Warehouse number
<b>SpecialAgreement</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..8 <b>Length</b> .. 8 <b>Description</b> Special agreements (e.g. special rate, offers)
<b>GoodsInTransitBySeaIndicator</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> xs:boolean <b>Description</b> Is it about marine transit goods? (true = yes, false = no)
<b>OutboardLoadingIndicator</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> xs:boolean <b>Description</b> Is it about outboard loading? (true = yes, false = no)
<b>ATLASelfDeclaredIndicator</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> xs:boolean <b>Description</b> Is it about a ATLAS self-declaration? (true = yes, false = no) Deprecated since version 1.3.0, will not be processed.
<b>DangerousGoodsIssuer</b>	<b>Occurence</b> 0 .. 1 <b>Type</b> an..72 <b>Length</b> .. 72 <b>Description</b> Issuer (individual) in charge for the DG specifications
<b>GoodsItems</b>	<b>Occurence</b> 1 .. 1 <b>Type</b> GoodsItemsType <b>Description</b> All packages of this shipment
xs:sequence	
<b>GoodsItem</b>	<b>Occurence</b> 1 .. 999 <b>Type</b> GoodsItemType <b>Description</b> A package (goods item) line
xs:sequence	
<b>GoodsItemId</b>	<b>Occurence</b> 1 .. 1 <b>Type</b> an..35 <b>Length</b> .. 35 <b>Description</b> Unique and unambiguous goods item identification number within a message
<b>DetailInformation</b>	<b>Occurence</b> 1 .. 1 <b>Type</b> GoodsDetailInformationType <b>Description</b> Different detail information regarding the package (goods item)
xs:sequence	
<b>NumberOfPackages</b>	<b>Occurence</b> 1 .. 1 <b>Type</b> n..6 <b>FractionDigits</b> 0 <b>TotalDigits</b> 6 <b>Inclusive</b> 1 .. <b>Pattern</b> \d{1,6}

Element/Attribute	Annotation
PackingCode	<b>Description</b> Number of packages
	<b>Occurence</b> 1 .. 1
	<b>Type</b> an2
GrossWeight	<b>Description</b> Packing code. Code list under: <a href="https://www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf">https://www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf</a>
	<b>Occurence</b> 1 .. 1
	<b>Type</b> Weight7.3Type
	<b>FractionDigits</b> 3
	<b>TotalDigits</b> 10
	<b>Pattern</b> \d{1,7}(\.\d{1,3})?
unit	<b>Description</b> Gross weight (excl. container tara), gross mass. The gross mass is understood to be the mass of the goods with all enclosures except the transport material and in particular containers.
	<b>Type</b> weightUnitCode
MarksAndNumbers	<b>Description</b> Unit of measurement of the weight
	<b>Applicable Codes</b>
	<b>KGM</b> Kilogramm
GoodsDescription	<b>Occurence</b> 0 .. 1
	<b>Type</b> an..1024
	<b>Length</b> .. 1024
	<b>Description</b> Marks and numbers
MeansOfTransportID	<b>Occurence</b> 0 .. 1
	<b>Type</b> an..13
	<b>Length</b> .. 13
	<b>Description</b> Means of transport indicator
Remarks	<b>Occurence</b> 0 .. 1
	<b>Type</b> an..1024
	<b>Length</b> .. 1024
	<b>Remark</b> G27
ContainerReferences	<b>Description</b> Remarks
	<b>Occurence</b> 0 .. 1
xs:sequence	<b>Type</b> ContainerReferencesType
	<b>Occurence</b> 1 .. 1
ContainerReference	<b>Occurence</b> 1 .. 999
	<b>Type</b> ContainerReferenceType
xs:sequence	<b>Occurence</b> 1 .. 1
	<b>Occurence</b> 1 .. 1
ContainerNumber	<b>Type</b> an..12
	<b>Length</b> .. 12
	<b>Description</b> Container number
	<b>Occurence</b> 1 .. 1
VehicleInformation	<b>Occurence</b> 0 .. 1
	<b>Type</b> VehicleInformationType
	<b>Description</b> Information to a vehicle
xs:sequence	<b>Occurence</b> 1 .. 1
	<b>Occurence</b> 0 .. 1
ChassisNumber	<b>Type</b> chassisNumberType
	<b>Length</b> .. 17
	<b>Pattern</b> [^ioI]{1,17}
	<b>Description</b> Chassis number of a vehicle - Note: The character "I" and "O" are not permitted. Instead, always send the digit "1" (one) and "0" (zero).
	<b>Occurence</b> 0 .. 1
EquipmentIndicator	<b>Type</b> xs:boolean
	<b>Description</b> Indicates whether it is vehicle loading equipment. true = yes, ChassisNumber must be filled, false or not available = no.
	<b>Occurence</b> 0 .. 1

Element/Attribute	Annotation
└─ AdditionalCargoIndicator	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> xs:boolean</p> <p><b>Description</b> Indicates whether it is vehicle loading additional cargo. true = yes, ChassisNumber must be empty, false or not available = no.</p>
└─ CustomsInformation	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> CustomsInformationType</p> <p><b>Description</b> Information concerning the customs procedure</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ Participants	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> CustomsParticipantsType</p> <p><b>Description</b> Participants involved in the customs process</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ Participant	<p><b>Occurrence</b> 1 .. 999</p> <p><b>Type</b> CustomsParticipantType</p> <p><b>Description</b> An involved participant</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ ParticipantType	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> customsParticipantTypeCode</p> <p><b>Description</b> Participant type</p> <p><b>Applicable Codes</b></p> <p><b>CONSIGNEE</b> Consignee</p> <p><b>DECLARANT</b> Declarant</p> <p><b>EXPORTER</b> Exporter</p> <p><b>REPRESENTING_COMPANY</b> Representing company</p>
└─ EORINumber	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> eoriNumberType</p> <p><b>Length</b> 4 .. 17</p> <p><b>Pattern</b> [A-Z]{2}[0-9A-Z]{2,15}</p> <p><b>Description</b> EORI number with branch. Alternatively to ParticipantsName in case of DUX without MRN. In case of one-stage AES procedure the EORI number for ParticipantType EXPORTER and/or REPRESENTING COMPANY must be specified.</p>
└─ BranchNumber	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> n4</p> <p><b>FractionDigits</b> 0</p> <p><b>TotalDigits</b> 4</p> <p><b>Pattern</b> \d{4}</p> <p><b>Description</b> Branch number</p>
└─ CustomsReferences	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> CustomsReferencesType</p> <p><b>Description</b> Customs references</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ AESMRNs	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> AESMRNsType</p> <p><b>Description</b> Mandatory in case of declaration type AES with MRN. Attention: The information is transmitted to quay operators, brokers and shipowners, the processing/use however is not binding and optional for the consignee.</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ MRN	<p><b>Occurrence</b> 1 .. 200</p> <p><b>Type</b> AESMRNTType</p> <p><b>Description</b> Data to a MRN</p>
└─ xs:sequence	<b>Occurrence</b> 1 .. 1
└─ Reference	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> mrnType</p> <p><b>Pattern</b> \d{2}[A-Z]{2}[A-Z\d]{14}</p> <p><b>Description</b> Master reference number (previously movement reference number)</p>

Element/Attribute	Annotation
<ul style="list-style-type: none"> <li>— CompletenessIndicator</li> </ul>	<p><b>Occurrence</b> 1 .. 1  <b>Type</b> xs:boolean  <b>Description</b> Indicates whether a MRN is completely included - "true" = the MRN is completely included; "false" or not available = the MRN is not completely shown in the HDS. Mandatory in case of the declaration types AES and DUX with MRN. Attention: the information will be forwarded to the quay operators, the processing/use however, is not binding and optional for the consignee.</p>
<ul style="list-style-type: none"> <li>— Position</li> </ul>	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> n..3  <b>FractionDigits</b> 0  <b>TotalDigits</b> 3  <b>Inclusive</b> 1 ..  <b>Pattern</b> \d{1,3}  <b>Description</b> Position of master reference number (previously movement reference number)</p>
<ul style="list-style-type: none"> <li>— PackageId</li> </ul>	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> n..2  <b>FractionDigits</b> 0  <b>TotalDigits</b> 2  <b>Inclusive</b> 1 ..  <b>Pattern</b> \d{1,2}  <b>Description</b> Package ID = consecutive number of packaging within the position named before. By indicating the ID the package line can directly be assigned to the package within a position.</p>
<ul style="list-style-type: none"> <li>— ReductionIndicator</li> </ul>	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> xs:boolean  <b>Description</b> Information whether the MRN will be reduced or not - "true" = the MRN will be reduced; "false" or not available = the MRN will not be reduced.</p>
<ul style="list-style-type: none"> <li>— AESLRNs</li> </ul>	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> AESLRNsType  <b>Description</b> Mandatory if the LRN must be specified in the one-stage AES procedure.</p>
<ul style="list-style-type: none"> <li>— xs:sequence</li> <li>— LRN</li> </ul>	<p><b>Occurrence</b> 1 .. 1  <b>Occurrence</b> 1 .. 200  <b>Type</b> AESLRNType  <b>Description</b> Data to a local reference number</p>
<ul style="list-style-type: none"> <li>— xs:sequence</li> <li>— Reference</li> </ul>	<p><b>Occurrence</b> 1 .. 1  <b>Type</b> an..22  <b>Length</b> .. 22  <b>Description</b> Local reference number of the one-stage AES procedure</p>
<ul style="list-style-type: none"> <li>— CompletenessIndicator</li> </ul>	<p><b>Occurrence</b> 1 .. 1  <b>Type</b> xs:boolean  <b>Description</b> Information whether the MRN is completely included - "true" = the MRN is completely included; "false" or not available = the MRN is not completely included in the HDS. Mandatory in case of the declaration types AES and DUX with MRN. Attention: the information will be forwarded to the quay operators, the processing/use however, is not binding and optional for the consignee. LRN case: the CompletenessIndicator indicates whether or not the LRN is completely included in the port order.</p>
<ul style="list-style-type: none"> <li>— Position</li> </ul>	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> n..3  <b>FractionDigits</b> 0  <b>TotalDigits</b> 3  <b>Inclusive</b> 1 ..  <b>Pattern</b> \d{1,3}  <b>Description</b> Position of local reference number</p>

Element/Attribute	Annotation
└─ PackageId	<p>Occurrence 0 .. 1  Type n..2  FractionDigits 0  TotalDigits 2  Inclusive 1 ..  Pattern \d{1,2}  Description Package ID = consecutive number of packaging within the position named before. By indicating the ID the package line can directly be assigned to the package within a position.</p>
└─ DangerousGoodsInformations	<p>Occurrence 0 .. 1  Type DangerousGoodsInformationsType  Description Dangerous goods information - Note: For WKS, it is possible to specify multiple UN numbers by including multiple DangerousGoodsInformation elements. In all other cases, only the first element of the list will be evaluated.</p>
└─ xs:sequence	Occurrence 1 .. 1
└─ DangerousGoodsInformation	<p>Occurrence 1 .. 99  Type DangerousGoodsInformationType  Description Dangerous goods information</p>
└─ xs:sequence	Occurrence 1 .. 1
└─ IMDGAmendment	<p>Occurrence 0 .. 1  Type an..10  Length .. 10  Description Amendment of IMDG code where the dangerous goods information refer to</p>
└─ IMDGClass	<p>Occurrence 1 .. 1  Type an..4  Length .. 4  Description IMDG class - check against the IMDG code as well as compatibility assessment with UN number</p>
└─ UNNumber	<p>Occurrence 1 .. 1  Type an..4  Length .. 4  Description UN number - check against the IMDG code as well as compatibility assessment with IMDG class. NONE permitted.</p>
└─ EmergencyProcedure	<p>Occurrence 0 .. 1  Type EmergencyProcedureType</p>
└─ xs:sequence	Occurrence 1 .. 1
└─ FireSchedule	<p>Occurrence 0 .. 1  Type fireScheduleType  Pattern F-[A-J]  Description Accident leaflets for fire (emergency procedure)</p>
└─ SpillageSchedule	<p>Occurrence 0 .. 1  Type spillageScheduleType  Pattern S-[A-Z]  Description Accident leaflets for leakage (emergency procedure)</p>
└─ FlashPoint	<p>Occurrence 0 .. 1  Type Temperature1000Type  FractionDigits 0  Inclusive -999 .. 999  Description Flashpoint - Mandatory in case of class 3 or if the 1. digit of a label = 3</p>
└─ unit	<p>Type temperatureUnitCode  Description Unit of temperature</p> <p><b>Applicable Codes</b></p> <p>CEL Celsius</p>
└─ Label	<p>Occurrence 0 .. 1  Type DGLabelType  Description Label</p>
└─ xs:sequence	Occurrence 1 .. 1

Element/Attribute	Annotation
Code	<p>Occurrence 0 .. 1  Type an..4  Length .. 4  Description Code</p>
FirstAdditionalLabel	<p>Occurrence 0 .. 1  Type an..4  Length .. 4  Description First additional label</p>
SecondAdditionalLabel	<p>Occurrence 0 .. 1  Type an..4  Length .. 4  Description Second additional label</p>
MarinePollutantIndicator	<p>Occurrence 0 .. 1  Type xs:boolean  Description Indicator marine pollutant</p>
LimitedQuantityIndicator	<p>Occurrence 1 .. 1  Type xs:boolean  Description Indicator limited quantity</p>
ExceptedQuantityIndicator	<p>Occurrence 0 .. 1  Type xs:boolean  Description Indicator "excepted quantity" (This is a new regulation for the transport of excepted quantities, similar to the transport of limited quantity, simplified regulations apply to the transport of these dangerous goods.)</p>
PackingGroup	<p>Occurrence 0 .. 1  Type an..3  Length .. 3  Description Packaging group - Mandatory in case of N.O.S. position (not otherwise specified), meaning if one of the following character sequences occurs in the element ProperShippingName: NOS/nos/N.O.S./n.o.s./NAG/nag/N.A.G./n.a.g. Possible contents I, II, III &gt;= (does not apply for the class 1,2 and 7)</p>
Properties	<p>Occurrence 0 .. 1  Type an..216  Length .. 216  Description Properties/remarks</p>
WaterHazardClass	<p>Occurrence 0 .. 1  Type waterHazardClassCode  Description WGK code, water hazard class - coding: 0/1/2/3</p> <p><b>Applicable Codes</b></p> <p>0 not assigned  1 low water hazard material  2 water hazard material  3 high water hazard material</p>
PropperShippingName	<p>Occurrence 1 .. 1  Type an..72  Length .. 72  Description Proper technical term - Proper technical shipping term according to IMDG code</p>
TechnicalName	<p>Occurrence 0 .. 1  Type an..110  Length .. 110  Description Hazard trigger - Mandatory in case of dangerous goods listed in the general introduction IMDG code chapter 7.</p>
GGVSAAndADRInformation	<p>Occurrence 0 .. 1  Type DGGVSAAndADRInformationType  Description GGVSA/ADR specifications - Specifications referring to the dangerous goods regulations street</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
Class	<p>Occurrence 0 .. 1  Type an..4  Length .. 4</p>

Element/Attribute	Annotation
Figure	Description Class
	Occurrence 0 .. 1
	Type an..4
	Length .. 4
ExplosiveInformation	Description Number
	Occurrence 0 .. 1
	Type DGExplosiveInformationType Description Extended information in case of explosive dangerous goods
xs:sequence	Occurrence 1 .. 1
Stowage	Occurrence 0 .. 1
	Type an..3
	Length .. 3 Description Stowage method (acc. to 27. Amdt. IMDG code)
CompatibilityGroup	Occurrence 0 .. 1
	Type an1
	Description Compatibility group
PowderWeight	Occurrence 0 .. 1
	Type Weight7.3Type
	FractionDigits 3
	TotalDigits 10
	Pattern \d{1,7}(\.\d{1,3})? Description Net powder weight
unit	Type weightUnitCode
	Description Unit of measurement of the weight
<b>Applicable Codes</b>	
RadioactivityInformation	KGM Kilogramm
	Occurrence 0 .. 1
	Type DGRadioactivityInformationType Description Extended information in case of radioactive dangerous goods
xs:sequence	Occurrence 1 .. 1
Activity	Occurrence 1 .. 1
	Type ActivityType
	Length .. 4 Description Activity
unit	Type radioactiveActivityUnitCode
	Description Unit of activity
<b>Applicable Codes</b>	
2Q	Kilobecquerel
4N	Megabecquerel
BQ	Becquerel (Deprecated!)
BQL	Becquerel
GBQ	Gigabecquerel
KBQ	Kilobecquerel (Deprecated!)
MBQ	Megabecquerel (Deprecated!)
PBQ	Petabecquerel
TBQ	Terabecquerel
Category	Occurrence 1 .. 1
	Type an..4
	Length .. 4
	Description Category
TransportCode	Occurrence 1 .. 1
	Type an..3
	Length .. 3
	Description Transport code (not required in case of sheet number 01-04)
PackingType	Occurrence 1 .. 1
	Type dgPackingTypeCode
	Description Packing type class 7
<b>Applicable Codes</b>	
A	Type A Package
B(M)	Type B(M) Package

Element/Attribute	Annotation
	<b>Applicable Codes</b>
	<b>B(U)</b> Type B(U) Package
	<b>C</b> Type C Package
	<b>FREI</b> Excepted Package
	<b>IP-1</b> Industrial Package Type 1 (Type IP-1 Package)
	<b>IP-2</b> Industrial Package Type 2 (Type IP-2 Package)
	<b>IP-3</b> Industrial Package Type 3 (Type IP-3 Package)
	<b>IP1</b> Industrial Package Type 1 (Type IP-1 Package) (Deprecated!)
	<b>IP2</b> Industrial Package Type 2 (Type IP-2 Package) (Deprecated!)
	<b>TYP A</b> Type A Package (Deprecated!)
	<b>TYP B</b> Type B(U) Package (Deprecated!)
	<b>TYP C</b> Type C Package (Deprecated!)
	<b>TYP M</b> Type B(M) Package (Deprecated!)
<b>Dimensions</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> DimensionsType
	<b>Description</b> Dimensions forwarding agency
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Dimension</b>	<b>Occurrence</b> 1 .. 999
	<b>Type</b> DimensionType
	<b>Description</b> Dimensions forwarding agency
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Count</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> n..4
	<b>FractionDigits</b> 0
	<b>TotalDigits</b> 4
	<b>Inclusive</b> 1 ..
	<b>Pattern</b> \d{1,4}
	<b>Description</b> Number
<b>Size</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> SizeType
	<b>Description</b> Length specifications
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Length</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> LengthType
	<b>FractionDigits</b> 0
	<b>TotalDigits</b> 4
	<b>Inclusive</b> 1 ..
	<b>Pattern</b> \d{1,4}
	<b>Description</b> Length
<i>unit</i>	<b>Type</b> sizeUnitCode
	<b>Description</b> Unit of size specifications
	<b>Applicable Codes</b>
	<b>CMT</b> Zentimeter/Centimeter
<b>Width</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> LengthType
	<b>FractionDigits</b> 0
	<b>TotalDigits</b> 4
	<b>Inclusive</b> 1 ..
	<b>Pattern</b> \d{1,4}
	<b>Description</b> Width
<i>unit</i>	<b>Type</b> sizeUnitCode
	<b>Description</b> Unit of size specifications
	<b>Applicable Codes</b>
	<b>CMT</b> Zentimeter/Centimeter
<b>Height</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> LengthType
	<b>FractionDigits</b> 0
	<b>TotalDigits</b> 4
	<b>Inclusive</b> 1 ..
	<b>Pattern</b> \d{1,4}
	<b>Description</b> Height

Element/Attribute	Annotation
└─ unit	Type sizeUnitCode Description Unit of size specifications <b>Applicable Codes</b>
└─ Volume	CMT Zentimeter/Centimeter Occurrence 0 .. 1 Type VolumeType Description Measurements volume
└─ xs:sequence	Occurrence 1 .. 1
└─ Single	Occurrence 0 .. 1 Type Volume4.3Type FractionDigits 3 TotalDigits 7 Pattern \d{1,4}(\.\d{1,3})? Description Single coubage
└─ unit	Type volumeUnitCode Description Unit of volume specifications <b>Applicable Codes</b>
└─ Total	MTQ Kubikmeter Occurrence 0 .. 1 Type Volume8.3Type FractionDigits 3 TotalDigits 11 Pattern \d{1,8}(\.\d{1,3})? Description Total coubage
└─ unit	Type volumeUnitCode Description Unit of volume specifications <b>Applicable Codes</b>
└─ Packages	MTQ Kubikmeter Occurrence 0 .. 1 Type PackagesType Description All positions to a package line
└─ xs:sequence	Occurrence 1 .. 1
└─ Package	Occurrence 1 .. 999 Type PackageType Description A position to a goods item
└─ xs:sequence	Occurrence 1 .. 1
└─ Packageld	Occurrence 1 .. 1 Type an..35 Length .. 35 Description A unique and unambiguous package identification number
└─ DetailInformation	Occurrence 1 .. 1 Type GoodsDetailInformationType Description Several detail information to goods item
└─ xs:sequence	Occurrence 1 .. 1
└─ NumberOfPackages	Occurrence 1 .. 1 Type n..6 FractionDigits 0 TotalDigits 6 Inclusive 1 .. Pattern \d{1,6} Description Number of packages
└─ PackingCode	Occurrence 1 .. 1 Type an2 Description Packing code. Code list under: <a href="https://www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf">https://www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf</a>
└─ GrossWeight	Occurrence 1 .. 1 Type Weight7.3Type FractionDigits 3 TotalDigits 10 Pattern \d{1,7}(\.\d{1,3})? Description Gross weight (excl. container tara), gross mass. The

Element/Attribute	Annotation
	gross mass is understood to be the mass of the goods with all enclosures except the transport material and in particular containers.
unit	Type weightUnitCode Description Unit of measurement of the weight
<b>Applicable Codes</b>	
	KGM Kilogramm
MarksAndNumbers	Occurrence 0 .. 1 Type an..1024 Length .. 1024 Description Marks and numbers
GoodsDescription	Occurrence 0 .. 1 Type an..1024 Length .. 1024 Description Goods description
MeansOfTransportID	Occurrence 0 .. 1 Type an..13 Length .. 13 Description Means of transport indicator
Remarks	Occurrence 0 .. 1 Type an..1024 Length .. 1024 Remark G27 Description Remarks
VehicleInformation	Occurrence 0 .. 1 Type VehicleInformationType Description Information to a vehicle
xs:sequence	Occurrence 1 .. 1
ChassisNumber	Occurrence 0 .. 1 Type chassisNumberType Length .. 17 Pattern [^ioI]{1,17} Description Chassis number of a vehicle - Note: The character "I" and "O" are not permitted. Instead, always send the digit "1" (one) and "0" (zero).
EquipmentIndicator	Occurrence 0 .. 1 Type xs:boolean Description Indicates whether it is vehicle loading equipment. true = yes, ChassisNumber must be filled, false or not available = no.
AdditionalCargoIndicator	Occurrence 0 .. 1 Type xs:boolean Description Indicates whether it is vehicle loading additional cargo. true = yes, ChassisNumber must be empty, false or not available = no.
CustomsInformation	Occurrence 0 .. 1 Type CustomsInformationPackageType Description Information to customs procedure
xs:sequence	Occurrence 1 .. 1
Participants	Occurrence 0 .. 1 Type CustomsParticipantsType Description Participants involved in the customs process
xs:sequence	Occurrence 1 .. 1
Participant	Occurrence 1 .. 999 Type CustomsParticipantType Description An involved participant
xs:sequence	Occurrence 1 .. 1
ParticipantType	Occurrence 1 .. 1 Type customsParticipantTypeCode Description Participant type
<b>Applicable Codes</b>	
	CONSIGNEE Consignee
	DECLARANT Declarant

Element/Attribute	Annotation
	<b>Applicable Codes</b> <b>EXPORTER</b> Exporter <b>REPRESENTING_COMPANY</b> Representing company <b>EXPORTER_COMPANY</b>
EORINumber	<b>Occurrence</b> 0 .. 1 <b>Type</b> eoriNumberType <b>Length</b> 4 .. 17 <b>Pattern</b> [A-Z]{2}[0-9A-Z]{2,15} <b>Description</b> EORI number with branch. Alternatively to ParticipantsName in case of DUX without MRN. In case of one-stage AES procedure the EORI number for ParticipantType EXPORTER and/or REPRESENTING COMPANY must be specified.
BranchNumber	<b>Occurrence</b> 0 .. 1 <b>Type</b> n4 <b>FractionDigits</b> 0 <b>TotalDigits</b> 4 <b>Pattern</b> \d{4} <b>Description</b> Branch number
CustomsReferences	<b>Occurrence</b> 1 .. 1 <b>Type</b> CustomsReferencesPackageType <b>Description</b> Customs references
xs:sequence	<b>Occurrence</b> 1 .. 1
AESMRNs	<b>Occurrence</b> 0 .. 1 <b>Type</b> AESMRNsType <b>Description</b> Mandatory in case of declaration type AES with MRN. Attention: The information is transmitted to quay operators, brokers and shipowners, the processing/use however is not binding and optional for the consignee.
xs:sequence	<b>Occurrence</b> 1 .. 1
MRN	<b>Occurrence</b> 1 .. 999 <b>Type</b> AESMRNType <b>Description</b> Data to a MRN
xs:sequence	<b>Occurrence</b> 1 .. 1
Reference	<b>Occurrence</b> 1 .. 1 <b>Type</b> mrnType <b>Pattern</b> \d{2}[A-Z]{2}[A-Z\d]{14} <b>Description</b> Master reference number (previously movement reference number)
CompletenessIndicator	<b>Occurrence</b> 1 .. 1 <b>Type</b> xs:boolean <b>Description</b> Indicates whether a MRN is completely included - "true" = the MRN is completely included; "false" or not available = the MRN is not completely shown in the HDS. Mandatory in case of the declaration types AES and DUX with MRN. Attention: the information will be forwarded to the quay operators, the processing/use however, is not binding and optional for the consignee.
Position	<b>Occurrence</b> 0 .. 1 <b>Type</b> n..3 <b>FractionDigits</b> 0 <b>TotalDigits</b> 3 <b>Inclusive</b> 1 .. <b>Pattern</b> \d{1,3} <b>Description</b> Position of master reference number (previously movement reference number)
Packageld	<b>Occurrence</b> 0 .. 1 <b>Type</b> n..2 <b>FractionDigits</b> 0 <b>TotalDigits</b> 2 <b>Inclusive</b> 1 .. <b>Pattern</b> \d{1,2} <b>Description</b> Package ID = consecutive number of packaging within the

Element/Attribute	Annotation
	position named before. By indicating the ID the package line can directly be assigned to the package within a position.
ReductionIndicator	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> xs:boolean</p> <p><b>Description</b> Information whether the MRN will be reduced or not - "true" = the MRN will be reduced; "false" or not available = the MRN will not be reduced.</p>
AESLRNs	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> AESLRNsType</p> <p><b>Description</b> Mandatory if the LRN must be specified in the one-stage AES procedure.</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
LRN	<p><b>Occurrence</b> 1 .. 999</p> <p><b>Type</b> AESLRNType</p> <p><b>Description</b> Data to a local reference number</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
Reference	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> an..22</p> <p><b>Length</b> .. 22</p> <p><b>Description</b> Local reference number of the one-stage AES procedure</p>
CompletenessIndicator	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> xs:boolean</p> <p><b>Description</b> Information whether the MRN is completely included - "true" = the MRN is completely included; "false" or not available = the MRN is not completely included in the HDS. Mandatory in case of the declaration types AES and DUX with MRN. Attention: the information will be forwarded to the quay operators, the processing/use however, is not binding and optional for the consignee. LRN case: the CompletenessIndicator indicates whether or not the LRN is completely included in the port order.</p>
Position	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> n..3</p> <p><b>FractionDigits</b> 0</p> <p><b>TotalDigits</b> 3</p> <p><b>Inclusive</b> 1 ..</p> <p><b>Pattern</b> \d{1,3}</p> <p><b>Description</b> Position of local reference number</p>
PackageId	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> n..2</p> <p><b>FractionDigits</b> 0</p> <p><b>TotalDigits</b> 2</p> <p><b>Inclusive</b> 1 ..</p> <p><b>Pattern</b> \d{1,2}</p> <p><b>Description</b> Package ID = consecutive number of packaging within the position named before. By indicating the ID the package line can directly be assigned to the package within a position.</p>
DangerousGoodsInformations	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> DangerousGoodsInformationsType</p> <p><b>Description</b> Dangerous goods informations</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
DangerousGoodsInformation	<p><b>Occurrence</b> 1 .. 99</p> <p><b>Type</b> DangerousGoodsInformationType</p> <p><b>Description</b> Dangerous goods information</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
IMDGAmendment	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> an..10</p> <p><b>Length</b> .. 10</p> <p><b>Description</b> Amendment of IMDG code where the dangerous goods information refer to</p>

Element/Attribute	Annotation
IMDGClass	<p>Occurrence 1 .. 1 Type an..4 Length .. 4 Description IMDG class - check against the IMDG code as well as compatibility assessment with UN number</p>
UNNumber	<p>Occurrence 1 .. 1 Type an..4 Length .. 4 Description UN number - check against the IMDG code as well as compatibility assessment with IMDG class. NONE permitted.</p>
EmergencyProcedure	<p>Occurrence 0 .. 1 Type EmergencyProcedureType</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
FireSchedule	<p>Occurrence 0 .. 1 Type fireScheduleType Pattern F-[A-J] Description Accident leaflets for fire (emergency procedure)</p>
SpillageSchedule	<p>Occurrence 0 .. 1 Type spillageScheduleType Pattern S-[A-Z] Description Accident leaflets for leakage (emergency procedure)</p>
FlashPoint	<p>Occurrence 0 .. 1 Type Temperature1000Type FractionDigits 0 Inclusive -999 .. 999 Description Flashpoint - Mandatory in case of class 3 or if the 1. digit of a label = 3</p>
unit	<p>Type temperatureUnitCode Description Unit of temperature</p> <p><b>Applicable Codes</b></p> <p>CEL Celsius</p>
Label	<p>Occurrence 0 .. 1 Type DGLabelType Description Label</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
Code	<p>Occurrence 0 .. 1 Type an..4 Length .. 4 Description Code</p>
FirstAdditionalLabel	<p>Occurrence 0 .. 1 Type an..4 Length .. 4 Description First additional label</p>
SecondAdditionalLabel	<p>Occurrence 0 .. 1 Type an..4 Length .. 4 Description Second additional label</p>
MarinePollutantIndicator	<p>Occurrence 0 .. 1 Type xs:boolean Description Indicator marine pollutant</p>
LimitedQuantityIndicator	<p>Occurrence 1 .. 1 Type xs:boolean Description Indicator limited quantity</p>
ExceptedQuantityIndicator	<p>Occurrence 0 .. 1 Type xs:boolean Description Indicator "excepted quantity" (This is a new regulation for the transport of excepted quantities, similar to the transport of limited quantity, simplified regulations apply to the transport of these dangerous goods.)</p>
PackingGroup	<p>Occurrence 0 .. 1 Type an..3 Length .. 3</p>

Element/Attribute	Annotation
	<p><b>Description</b> Packaging group - Mandatory in case of N.O.S. position (not otherwise specified), meaning if one of the following character sequences occurs in the element ProperShippingName: NOS/nos/N.O.S./n.o.s./NAG/nag/N.A.G./n.a.g. Possible contents I, II, III &gt;= (does not apply for the class 1,2 and 7)</p>
– Properties	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..216  <b>Length</b> .. 216  <b>Description</b> Properties/remarks</p>
– WaterHazardClass	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> waterHazardClassCode  <b>Description</b> WGK code, water hazard class - coding: 0/1/2/3</p> <p><b>Applicable Codes</b></p> <p><b>0</b> not assigned  <b>1</b> low water hazard material  <b>2</b> water hazard material  <b>3</b> high water hazard material</p>
– ProperShippingName	<p><b>Occurrence</b> 1 .. 1  <b>Type</b> an..72  <b>Length</b> .. 72  <b>Description</b> Proper technical term - Proper technical shipping term according to IMDG code</p>
– TechnicalName	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..110  <b>Length</b> .. 110  <b>Description</b> Hazard trigger - Mandatory in case of dangerous goods listed in the general introduction IMDG code chapter 7.</p>
– GGVSandADRInformation	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> DGGGVSandADRInformationType  <b>Description</b> GGVs/ADR specifications - Specifications referring to the dangerous goods regulations street</p>
– xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
– Class	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..4  <b>Length</b> .. 4  <b>Description</b> Class</p>
– Figure	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..4  <b>Length</b> .. 4  <b>Description</b> Number</p>
– ExplosiveInformation	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> DGExplosiveInformationType  <b>Description</b> Extended information in case of explosive dangerous goods</p>
– xs:sequence	<p><b>Occurrence</b> 1 .. 1</p>
– Stowage	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an..3  <b>Length</b> .. 3  <b>Description</b> Stowage method (acc. to 27. Amdt. IMDG code)</p>
– CompatibilityGroup	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> an1  <b>Description</b> Compatibility group</p>
– PowderWeight	<p><b>Occurrence</b> 0 .. 1  <b>Type</b> Weight7.3Type  <b>FractionDigits</b> 3  <b>TotalDigits</b> 10  <b>Pattern</b> \d{1,7}(\.\d{1,3})?  <b>Description</b> Net powder weight</p>
– unit	<p><b>Type</b> weightUnitCode  <b>Description</b> Unit of measurement of the weight</p> <p><b>Applicable Codes</b></p> <p><b>KGM</b> Kilogramm</p>

Element/Attribute	Annotation
<b>RadioactivityInformation</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> DGRadioactivityInformationType <b>Description</b> Extended information in case of radioactive dangerous goods
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Activity</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> ActivityType <b>Length</b> .. 4 <b>Description</b> Activity
<i>unit</i>	<b>Type</b> radioactiveActivityUnitCode <b>Description</b> Unit of activity <b>Applicable Codes</b> <b>2Q</b> Kilobecquerel <b>4N</b> Megabecquerel <b>BQ</b> Becquerel (Deprecated!) <b>BQL</b> Becquerel <b>GBQ</b> Gigabecquerel <b>KBQ</b> Kilobecquerel (Deprecated!) <b>MBQ</b> Megabecquerel (Deprecated!) <b>PBQ</b> Petabecquerel <b>TBQ</b> Terabecquerel
<b>Category</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> an..4 <b>Length</b> .. 4 <b>Description</b> Category
<b>TransportCode</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> an..3 <b>Length</b> .. 3 <b>Description</b> Transport code (not required in case of sheet number 01-04)
<b>PackingType</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> dgPackingTypeCode <b>Description</b> Packing type class 7 <b>Applicable Codes</b> <b>A</b> Type A Package <b>B(M)</b> Type B(M) Package <b>B(U)</b> Type B(U) Package <b>C</b> Type C Package <b>FREI</b> Excepted Package <b>IP-1</b> Industrial Package Type 1 (Type IP-1 Package) <b>IP-2</b> Industrial Package Type 2 (Type IP-2 Package) <b>IP-3</b> Industrial Package Type 3 (Type IP-3 Package) <b>IP1</b> Industrial Package Type 1 (Type IP-1 Package) (Deprecated!) <b>IP2</b> Industrial Package Type 2 (Type IP-2 Package) (Deprecated!) <b>TYP A</b> Type A Package (Deprecated!) <b>TYP B</b> Type B(U) Package (Deprecated!) <b>TYP C</b> Type C Package (Deprecated!) <b>TYP M</b> Type B(M) Package (Deprecated!)
<b>Dimensions</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> DimensionsType <b>Description</b> Measurements forwarding agency
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>Dimension</b>	<b>Occurrence</b> 1 .. 999 <b>Type</b> DimensionType <b>Description</b> Dimensions forwarding agency
xs:sequence	<b>Occurrence</b> 1 .. 1

Element/Attribute	Annotation
Count	<p>Occurrence 0 .. 1  Type n..4  FractionDigits 0  TotalDigits 4  Inclusive 1 ..  Pattern \d{1,4}  Description Number</p>
Size	<p>Occurrence 0 .. 1  Type SizeType  Description Length specifications</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
Length	<p>Occurrence 0 .. 1  Type LengthType  FractionDigits 0  TotalDigits 4  Inclusive 1 ..  Pattern \d{1,4}  Description Length</p>
unit	<p>Type sizeUnitCode  Description Unit of size specifications</p> <p><b>Applicable Codes</b></p> <p>CMT Zentimeter/Centimeter</p>
Width	<p>Occurrence 0 .. 1  Type LengthType  FractionDigits 0  TotalDigits 4  Inclusive 1 ..  Pattern \d{1,4}  Description Width</p>
unit	<p>Type sizeUnitCode  Description Unit of size specifications</p> <p><b>Applicable Codes</b></p> <p>CMT Zentimeter/Centimeter</p>
Height	<p>Occurrence 0 .. 1  Type LengthType  FractionDigits 0  TotalDigits 4  Inclusive 1 ..  Pattern \d{1,4}  Description Height</p>
unit	<p>Type sizeUnitCode  Description Unit of size specifications</p> <p><b>Applicable Codes</b></p> <p>CMT Zentimeter/Centimeter</p>
Volume	<p>Occurrence 0 .. 1  Type VolumeType  Description Measurements volume</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
Single	<p>Occurrence 0 .. 1  Type Volume4.3Type  FractionDigits 3  TotalDigits 7  Pattern \d{1,4}(\.\d{1,3})?  Description Single coubage</p>
unit	<p>Type volumeUnitCode  Description Unit of volume specifications</p> <p><b>Applicable Codes</b></p> <p>MTQ Kubikmeter</p>
Total	<p>Occurrence 0 .. 1  Type Volume8.3Type  FractionDigits 3  TotalDigits 11  Pattern \d{1,8}(\.\d{1,3})?</p>

Element/Attribute	Annotation
	<p><b>Description</b> Total coubage</p> <p><b>Type</b> volumeUnitCode</p> <p><b>Description</b> Unit of volume specifications</p> <p><b>Applicable Codes</b></p> <p><b>MTQ</b> Kubikmeter</p>
<b>Containers</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> ContainersType</p> <p><b>Description</b> This element summarizes information to all containers of a batch.</p>
xs:sequence	
<b>Container</b>	<p><b>Occurence</b> 1 .. 999</p> <p><b>Type</b> ContainerType</p> <p><b>Description</b> Information about a container</p>
xs:sequence	
<b>ContainerNumber</b>	<p><b>Occurence</b> 1 .. 1</p> <p><b>Type</b> an..12</p> <p><b>Length</b> .. 12</p> <p><b>Description</b> Container number</p>
<b>NonIsoContainerIndicator</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> xs:boolean</p> <p><b>Description</b> Indicates whether it is about a non iso container or not. true = it is about a non iso container, false or element not available = it is not about a non iso container</p>
<b>Seal</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> an..11</p> <p><b>Length</b> .. 11</p> <p><b>Description</b> Seal number</p>
<b>SizeType</b>	<p><b>Occurence</b> 1 .. 1</p> <p><b>Type</b> an..4</p> <p><b>Length</b> .. 4</p> <p><b>Description</b> Container size and type code according to ISO6346</p>
<b>TemperatureRange</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> TemperatureRangeType</p> <p><b>Description</b> Temperature range</p>
xs:sequence	
<b>Min</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> Temperature100Type</p> <p><b>FractionDigits</b> 0</p> <p><b>Inclusive</b> -99 .. 99</p> <p><b>Description</b> Minimum temperature</p> <p><b>Type</b> temperatureUnitCode</p> <p><b>Description</b> Unit of temperature</p> <p><b>Applicable Codes</b></p> <p><b>CEL</b> Celsius</p>
unit	
<b>Max</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> Temperature100Type</p> <p><b>FractionDigits</b> 0</p> <p><b>Inclusive</b> -99 .. 99</p> <p><b>Description</b> Maximum temperature</p> <p><b>Type</b> temperatureUnitCode</p> <p><b>Description</b> Unit of temperature</p> <p><b>Applicable Codes</b></p> <p><b>CEL</b> Celsius</p>
unit	
<b>MRNOptions</b>	<p><b>Occurence</b> 0 .. 1</p> <p><b>Type</b> MRNOptionsType</p> <p><b>Description</b> Extended options concerning the specified MRN</p>
xs:sequence	
<b>Reductions</b>	<p><b>Occurence</b> 1 .. 1</p> <p><b>Type</b> ReductionsType</p> <p><b>Description</b> All reductions referring to MRN's</p>
xs:sequence	
<b>Reduction</b>	<p><b>Occurence</b> 1 .. 999</p> <p><b>Type</b> ReductionType</p>

Element/Attribute	Annotation
	<b>Description</b> Reduction to a MRN
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>ReductionType</b>	<b>Occurrence</b> 1 .. 1
	<b>Type</b> reductionTypeCode
	<b>Description</b> Reduction type
	<b>Applicable Codes</b>
	<b>COMPLETE_P</b> Complete Position
	<b>OSITION</b>
	<b>GROSS_WEIG</b> Gross weight
	<b>HT</b>
	<b>NET_WEIGHT</b> Net weight
<b>MRN</b>	<b>Occurrence</b> 1 .. 1
	<b>Type</b> mrnType
	<b>Pattern</b> \d{2}[A-Z]{2}[A-Z]\d{14}
	<b>Description</b> Master reference number (previously movement reference number)
<b>Position</b>	<b>Occurrence</b> 1 .. 1
	<b>Type</b> n..3
	<b>FractionDigits</b> 0
	<b>TotalDigits</b> 3
	<b>Inclusive</b> 1 ..
	<b>Pattern</b> \d{1,3}
	<b>Description</b> Position number of the MRN = consecutive number of position within the MRN/export declaration. By indicating the number the package line can directly be assigned to the position of an export declaration.
<b>ReducedNetWeight</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> Weight8.3Type
	<b>FractionDigits</b> 3
	<b>TotalDigits</b> 11
	<b>Pattern</b> \d{1,8}(\.\d{1,3})?
	<b>Description</b> Reduced net weight, mandatory in case of ReductionType NET_WEIGHT and GROSS_WEIGHT, empty in case of ReductionType COMPLETE_POSITION
<b>unit</b>	<b>Type</b> weightUnitCode
	<b>Description</b> Unit of measurement of the weight
	<b>Applicable Codes</b>
	<b>KGM</b> Kilogramm
<b>ReducedGrossWeight</b>	<b>Occurrence</b> 0 .. 1
	<b>Type</b> Weight8.3Type
	<b>FractionDigits</b> 3
	<b>TotalDigits</b> 11
	<b>Pattern</b> \d{1,8}(\.\d{1,3})?
	<b>Description</b> Reduced gross weight, mandatory in case of ReductionType GROSS_WEIGHT, empty in case of ReductionType COMPLETE_POSITION
<b>unit</b>	<b>Type</b> weightUnitCode
	<b>Description</b> Unit of measurement of the weight
	<b>Applicable Codes</b>
	<b>KGM</b> Kilogramm