



EMP

Port Order XML – Declaration case „AES“

Implementation manual
Version 1.4.1.0/E

(Valid from April 2026)

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Change history

Version	Type of change	Changed by/ date	Checked by/ date
1.4.0.0/E	First valid version	24.10.2024	24.10.2024
1.4.1.0/E	<ul style="list-style-type: none">Data type of branch number changed from integer to stringExsPositionNumber now optional.	14.04.2026	14.04.2026

Change requests

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Used tools

Number	Used tools
W1	This document was created with MS Word 2021 .

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

Ocurrence	Element/Attribute
1 .. 1	xs:sequence
0 .. 1	EstimatedShippingDate
0 .. 1	DakosyVoyageNumber
0 .. 1	CarrierSCACCode
0 .. 1	VoyageNumber
0 .. 1	QuayOrderDetails
1 .. 1	xs:sequence
0 .. 1	Orders
1 .. 1	xs:sequence
1 .. 5	TypeOfService
0 .. 1	Delivery
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
1 .. 1	GoodsItems
1 .. 1	xs:sequence
1 .. 999	GoodsItem
1 .. 1	xs:sequence
1 .. 1	GoodsItemId
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	ContainerReferences
1 .. 1	xs:sequence
1 .. 999	ContainerReference
1 .. 1	xs:sequence
1 .. 1	ContainerNumber
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	CustomsReferences
1 .. 1	xs:sequence
0 .. 1	AESMRNs
1 .. 1	xs:sequence
1 .. 200	MRN
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	ReductionIndicator
0 .. 1	AESLRNs
1 .. 1	xs:sequence
1 .. 200	LRN
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	DangerousGoodsInformations
1 .. 1	xs:sequence
1 .. 1	DangerousGoodsInformation
1 .. 1	xs:sequence
0 .. 1	IMDGAmendment
1 .. 1	IMDGClass
1 .. 1	UNNumber
0 .. 1	EmergencyProcedure
1 .. 1	xs:sequence
0 .. 1	FireSchedule
0 .. 1	SpillageSchedule
0 .. 1	FlashPoint
	unit
0 .. 1	Label
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	GGVSAAndADRInformation
1 .. 1	xs:sequence
0 .. 1	Class
0 .. 1	Figure
0 .. 1	ExplosiveInformation
1 .. 1	xs:sequence
0 .. 1	Stowage
0 .. 1	CompatibilityGroup

Ocurrence	Element/Attribute
0 .. 1	<ul style="list-style-type: none"> PowderWeight unit
0 .. 1	RadioactivityInformation
1 .. 1	xs:sequence
1 .. 1	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Length unit
0 .. 1	<ul style="list-style-type: none"> Width unit
0 .. 1	<ul style="list-style-type: none"> Height unit
0 .. 1	Volume
1 .. 1	xs:sequence
0 .. 1	<ul style="list-style-type: none"> Single unit
0 .. 1	<ul style="list-style-type: none"> Total unit
0 .. 1	Packages
1 .. 1	xs:sequence
1 .. 999	Package
1 .. 1	xs:sequence
1 .. 1	PackageId
1 .. 1	DetailInformation
1 .. 1	xs:sequence
1 .. 1	NumberOfPackages
1 .. 1	PackingCode
1 .. 1	GrossWeight
0 .. 1	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	CustomsReferences
1 .. 1	xs:sequence
0 .. 1	AESMRNs
1 .. 1	xs:sequence
1 .. 999	MRN
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	ReductionIndicator
0 .. 1	AESLRNs
1 .. 1	xs:sequence
1 .. 999	LRN
1 .. 1	xs:sequence
1 .. 1	Reference
1 .. 1	CompletenessIndicator
0 .. 1	Position
0 .. 1	Packageld
0 .. 1	DangerousGoodsInformations
1 .. 1	xs:sequence
1 .. 1	DangerousGoodsInformation
1 .. 1	xs:sequence
0 .. 1	IMDGAmendment
1 .. 1	IMDGClass
1 .. 1	UNNumber
0 .. 1	EmergencyProcedure
1 .. 1	xs:sequence
0 .. 1	FireSchedule
0 .. 1	SpillageSchedule
0 .. 1	FlashPoint
	unit
0 .. 1	Label
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	GGVSAAndADRInformation
1 .. 1	xs:sequence
0 .. 1	Class
0 .. 1	Figure
0 .. 1	ExplosiveInformation
1 .. 1	xs:sequence
0 .. 1	Stowage
0 .. 1	CompatibilityGroup

Ocurrence	Element/Attribute
0 .. 1	PowderWeight <i>unit</i>
0 .. 1	RadioactivityInformation
1 .. 1	xs:sequence
1 .. 1	Activity <i>unit</i>
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 <i>unit</i>
0 .. 1	Width <i>unit</i>
0 .. 1	Height <i>unit</i>
0 .. 1	Volume
1 .. 1	xs:sequence
0 .. 1	Single <i>unit</i>
0 .. 1	Total <i>unit</i>
0 .. 1	Containers
1 .. 1	xs:sequence
1 .. 999	Container
1 .. 1	xs:sequence
1 .. 1	ContainerNumber
0 .. 1	NonIsoContainerIndicator
0 .. 1	Seal
1 .. 1	SizeType
0 .. 1	TemperatureRange
1 .. 1	xs:sequence
0 .. 1	Min <i>unit</i>
0 .. 1	Max <i>unit</i>
0 .. 1	MRNOptions
1 .. 1	xs:sequence
1 .. 1	Reductions
1 .. 1	xs:sequence
1 .. 999	Reduction
1 .. 1	xs:sequence
1 .. 1	ReductionType
1 .. 1	MRN
1 .. 1	Position
0 .. 1	ReducedNetWeight <i>unit</i>
0 .. 1	ReducedGrossWeight <i>unit</i>

3 Guideline

Element/Attribute	Annotation
PortOrder	Type PortOrderElementType
xs:sequence	Occurrence 1 .. 1
Transaction	Occurrence 1 .. 1 Type TransactionType
xs:sequence	Occurrence 1 .. 1
IOPartner	Occurrence 1 .. 1 Type an..4 Length .. 4 Description DAKOSY participant code
IOReference	Occurrence 1 .. 1 Type an..35 Length .. 35 Description Unique and unambiguous transaction identification reference
IODateTime	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.
MessageVersion	Occurrence 1 .. 1 Type an..12 Length .. 12 Description Used message version
TestIndicator	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 "false", it is about a production message.
Message	Occurrence 1 .. 1 Type MessageType
xs:sequence	Occurrence 1 .. 1
Header	Occurrence 1 .. 1 Type HeaderType
xs:sequence	Occurrence 1 .. 1
Type	Occurrence 1 .. 1 Type portOrderTypeCode Description Port Order Type
RequestDateTime	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.
Locations	Occurrence 1 .. 1 Type LocationsType Description This segment summarizes information concerning the shipment route.
xs:sequence	Occurrence 1 .. 1
Location	Occurrence 1 .. 2 Type LocationType Description A location within the shipment route.
xs:sequence	Occurrence 1 .. 1
LocationType	Occurrence 1 .. 1 Type locationTypeCode Description Describes the location type
Code	Occurrence 0 .. 1 Type an5 Description UN-Locode
	Applicable Codes
	AES AES export declaration
	FD Final destination
	POD Port of discharge

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
	Applicable Codes
	AGENT Shipping agent
	ISSUER Issuer
	PARTY_PAYIN Party committing to payment
	G
	WAREHOUSE 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} [A-Z]{2}![~]{1,15}
└─ BranchNumber	Occurrence 1 .. 1 Type an4 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
└─ QuayAccountNumber	Occurrence 0 .. 1 Type an..6 Length .. 6

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

Element/Attribute	Annotation																																						
└ VoyageNumber	<p>Occurrence 0 .. 1 Type an..8 Length .. 8 Description Voyage number of shipowner</p>																																						
└ QuayOrderDetails	<p>Occurrence 0 .. 1 Type QuayOrderDetailsType</p>																																						
└ xs:sequence	<p>Occurrence 1 .. 1</p>																																						
└ Orders	<p>Occurrence 0 .. 1 Type OrdersType Description 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>Occurrence 1 .. 1</p>																																						
└ TypeOfService	<p>Occurrence 1 .. 5 Type typeOfServiceCode Description Service/order type</p> <p>Applicable Codes</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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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																																						
└ Delivery	<p>Occurrence 0 .. 1 Type DeliveryType Description This segment provides information concerning the delivery.</p>																																						
└ xs:sequence	<p>Occurrence 1 .. 1</p>																																						
└ VehicleIdentification	<p>Occurrence 0 .. 1 Type an..13 Length .. 13 Description Wagon/truck number plate</p>																																						
└ MeansOfTransport	<p>Occurrence 0 .. 1 Type meansOfTransportCode Description Code of means of transport</p> <p>Applicable Codes</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> <tr><td>TL</td><td>Trailer</td></tr> <tr><td>UN</td><td>Unknown</td></tr> <tr><td>WG</td><td>Waggon</td></tr> </table>	AB	Outboard	AN	Other	BS	Inland vessel	FE	Feeder	LK	Truck	SC	Barge	SS	Seagoing/Ocean vessel	TL	Trailer	UN	Unknown	WG	Waggon																		
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SC	Barge																																						
SS	Seagoing/Ocean vessel																																						
TL	Trailer																																						
UN	Unknown																																						
WG	Waggon																																						

Element/Attribute	Annotation
DeliveryTo	<p>Occurrence 0 .. 1 Type an..30 Length .. 30 Description At the disposal/delivery of the company</p>
AdditionalRemarks	<p>Occurrence 0 .. 1 Type an..4lines Pattern ([^\r\n]{1,72}(r?\n?)){1,4} Description Additional information - remarks etc. Specification of 1-4 columns with each max. 72 characters</p>
AdditionalRequest	<p>Occurrence 0 .. 1 Type an..35 Length .. 35 Description Additional requests</p>
WarehouseNumber	<p>Occurrence 0 .. 1 Type an..11 Length .. 11 Description Warehouse number</p>
SpecialAgreement	<p>Occurrence 0 .. 1 Type an..8 Length .. 8 Description Special agreements (e.g. special rate, offers)</p>
GoodsInTransitBySealIndicator	<p>Occurrence 0 .. 1 Type xs:boolean Description Is it about marine transit goods? (true = yes, false = no)</p>
OutboardLoadingIndicator	<p>Occurrence 0 .. 1 Type xs:boolean Description Is it about outboard loading? (true = yes, false = no)</p>
ATLASSelfDeclaredIndicator	<p>Occurrence 0 .. 1 Type xs:boolean Description Is it about a ATLAS self-declaration? (true = yes, false = no) Deprecated since version 1.3.0, will not be processed.</p>
DangerousGoodsIssuer	<p>Occurrence 0 .. 1 Type an..72 Length .. 72 Description Issuer (individual) in charge for the DG specifications</p>
GoodsItems	<p>Occurrence 1 .. 1 Type GoodsItemsType Description All packages of this shipment</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
GoodsItem	<p>Occurrence 1 .. 999 Type GoodsItemType Description A package (goods item) line</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
GoodsItemId	<p>Occurrence 1 .. 1 Type an..35 Length .. 35 Description Unique and unambiguous goods item identification number within a message</p>
DetailInformation	<p>Occurrence 1 .. 1 Type GoodsDetailInformationType Description Different detail information regarding the package (goods item)</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
NumberOfPackages	<p>Occurrence 1 .. 1 Type n..6 FractionDigits 0 TotalDigits 6 Pattern \d{1,6} Description Number of packages</p>
PackingCode	<p>Occurrence 1 .. 1 Type an2 Description Packing code. DAKOSY container packaging codes (C2, H4) should no longer be used. Code list under: https://</p>

Element/Attribute	Annotation
	www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf
GrossWeight	<p>Occurrence 1 .. 1</p> <p>Type Weight7.3Type</p> <p>FractionDigits 3</p> <p>TotalDigits 10</p> <p>Pattern \d{1,7}(\.\d{1,3})?</p> <p>Description 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.</p>
unit	<p>Type weightUnitCode</p> <p>Description Unit of measurement of the weight</p> <p>Applicable Codes</p> <p>KGM Kilogramm</p>
MarksAndNumbers	<p>Occurrence 0 .. 1</p> <p>Type an..1024</p> <p>Length .. 1024</p> <p>Description Marks and numbers</p>
GoodsDescription	<p>Occurrence 0 .. 1</p> <p>Type an..1024</p> <p>Length .. 1024</p> <p>Description Goods description</p>
MeansOfTransportID	<p>Occurrence 0 .. 1</p> <p>Type an..13</p> <p>Length .. 13</p> <p>Description Means of transport indicator</p>
Remarks	<p>Occurrence 0 .. 1</p> <p>Type an..1024</p> <p>Length .. 1024</p> <p>Remark G27</p> <p>Description Remarks</p>
ContainerReferences	<p>Occurrence 0 .. 1</p> <p>Type ContainerReferencesType</p>
xs:sequence	Occurrence 1 .. 1
ContainerReference	<p>Occurrence 1 .. 999</p> <p>Type ContainerReferenceType</p>
xs:sequence	Occurrence 1 .. 1
ContainerNumber	<p>Occurrence 1 .. 1</p> <p>Type an..12</p> <p>Length .. 12</p> <p>Description Container number</p>
VehicleInformation	<p>Occurrence 0 .. 1</p> <p>Type VehicleInformationType</p> <p>Description Information to a vehicle</p>
xs:sequence	Occurrence 1 .. 1
ChassisNumber	<p>Occurrence 0 .. 1</p> <p>Type chassisNumberType</p> <p>Length .. 17</p> <p>Pattern [^ioO]{1,17}</p> <p>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).</p>
EquipmentIndicator	<p>Occurrence 0 .. 1</p> <p>Type xs:boolean</p> <p>Description Indicates whether it is vehicle loading equipment. true = yes, ChassisNumber must be filled, false or not available = no.</p>
AdditionalCargoIndicator	<p>Occurrence 0 .. 1</p> <p>Type xs:boolean</p> <p>Description Indicates whether it is vehicle loading additional cargo. true = yes, ChassisNumber must be empty, false or not</p>

Element/Attribute	Annotation
	available = no.
CustomsInformation	Occurrence 0 .. 1 Type CustomsInformationType Description Information concerning the 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
	Applicable Codes
	CONSIGNEE Consignee
	DECLARANT Declarant
	EXPORTER Exporter
	REPRESENTING_COMPANY Representing company
EORINumber	Occurrence 0 .. 1 Type eoriNumberType Length 4 .. 17 Pattern [A-Z]{2}[0-9A-Z]{2,15} [A-Z]{2}[-~]{1,15} Description 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	Occurrence 0 .. 1 Type an4 Pattern \d{4} Description Branch number
CustomsReferences	Occurrence 1 .. 1 Type CustomsReferencesType Description Customs references
xs:sequence	Occurrence 1 .. 1
AESMRNs	Occurrence 0 .. 1 Type AESMRNsType Description Mandatory in case of declaration type AES with MRN. Attention: The information is transmitted to quay operators, brokers and shipowners, the processing/use however ist not binding and optional for the consignee.
xs:sequence	Occurrence 1 .. 1
MRN	Occurrence 1 .. 200 Type AESMRNType Description Data to a MRN
xs:sequence	Occurrence 1 .. 1
Reference	Occurrence 1 .. 1 Type mrnType Pattern \d{2}[A-Z]{2}[A-Z\d]{14} Description Master reference number (previously movement reference number)
CompletenessIndicator	Occurrence 1 .. 1 Type xs:boolean Description 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.

Element/Attribute	Annotation
	Attention: the information will be forwarded to the quay operators, the processing/use however, is not binding and optional for the consignee.
Position	<p>Occurrence 0 .. 1</p> <p>Type n..3</p> <p>FractionDigits 0</p> <p>TotalDigits 3</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,3}</p> <p>Description Position of master reference number (previously movement reference number)</p>
PackageId	<p>Occurrence 0 .. 1</p> <p>Type n..2</p> <p>FractionDigits 0</p> <p>TotalDigits 2</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,2}</p> <p>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>
ReductionIndicator	<p>Occurrence 0 .. 1</p> <p>Type xs:boolean</p> <p>Description 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>Occurrence 0 .. 1</p> <p>Type AESLRNsType</p> <p>Description Mandatory if the LRN must be specified in the one-stage AES procedure.</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
LRN	<p>Occurrence 1 .. 200</p> <p>Type AESLRNType</p> <p>Description Data to a local reference number</p>
xs:sequence	<p>Occurrence 1 .. 1</p>
Reference	<p>Occurrence 1 .. 1</p> <p>Type an..22</p> <p>Length .. 22</p> <p>Description Local reference number of the one-stage AES procedure</p>
CompletenessIndicator	<p>Occurrence 1 .. 1</p> <p>Type xs:boolean</p> <p>Description 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>Occurrence 0 .. 1</p> <p>Type n..3</p> <p>FractionDigits 0</p> <p>TotalDigits 3</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,3}</p> <p>Description Position of local reference number</p>
PackageId	<p>Occurrence 0 .. 1</p> <p>Type n..2</p> <p>FractionDigits 0</p> <p>TotalDigits 2</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,2}</p> <p>Description Package ID = consecutive number of packaging within the</p>

Element/Attribute	Annotation
	position named before. By indicating the ID the package line can directly be assigned to the package within a position.
DangerousGoodsInformations	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.
xs:sequence	Occurrence 1 .. 1
DangerousGoodsInformation	Occurrence 1 .. 1 Type DangerousGoodsInformationType Description Dangerous goods information
xs:sequence	Occurrence 1 .. 1
IMDGAmdendment	Occurrence 0 .. 1 Type an..10 Length .. 10 Description Amendment of IMDG code where the dangerous goods information refer to
IMDGClass	Occurrence 1 .. 1 Type an..4 Length .. 4 Description IMDG class - check against the IMDG code as well as compatibility assessment with UN number
UNNumber	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.
EmergencyProcedure	Occurrence 0 .. 1 Type EmergencyProcedureType
xs:sequence	Occurrence 1 .. 1
FireSchedule	Occurrence 0 .. 1 Type fireScheduleType Pattern F-[A-J] Description Accident leaflets for fire (emergency procedure)
SpillageSchedule	Occurrence 0 .. 1 Type spillageScheduleType Pattern S-[A-Z] Description Accident leaflets for leakage (emergency procedure)
FlashPoint	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 lable = 3
unit	Type temperatureUnitCode Description Unit of temperature
	Applicable Codes
	CEL Celsius
Label	Occurrence 0 .. 1 Type DGLabelType Description Label
xs:sequence	Occurrence 1 .. 1
Code	Occurrence 0 .. 1 Type an..4 Length .. 4 Description Code
FirstAdditionalLabel	Occurrence 0 .. 1 Type an..4 Length .. 4

Element/Attribute	Annotation
SecondAdditionalLabel	Description First additional label
	Occurrence 0 .. 1
	Type an..4
	Length .. 4
MarinePollutantIndicator	Description Second additional label
	Occurrence 0 .. 1
	Type xs:boolean
	Description Indicator marine pollutant
LimitedQuantityIndicator	Occurrence 1 .. 1
	Type xs:boolean
ExceptedQuantityIndicator	Description Indicator limited quantity
	Occurrence 0 .. 1
PackingGroup	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.)
	Occurrence 0 .. 1
	Type an..3
Properties	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 PropperShippingName: NOS/nos/N.O.S./n.o.s./NAG/nag/N.A.G./n.a.g. Possible contents I, II, III >= (does not apply for the class 1,2 and 7)
	Occurrence 0 .. 1
	Type an..216
WaterHazardClass	Length .. 216
	Description Properties/remarks
	Occurrence 0 .. 1
	Type waterHazardClassCode
PropperShippingName	Description WGK code, water hazard class - coding: 0/1/2/3
	Applicable Codes
	0 not assigned
	1 low water hazard material
TechnicalName	2 water hazard material
	3 high water hazard material
	Occurrence 1 .. 1
	Type an..72
GGVSAAndADRInformation	Length .. 72
	Description Proper technical term - Proper technical shipping term according to IMDG code
	Occurrence 0 .. 1
	Type an..110
Class	Length .. 110
	Description Hazard trigger - Mandatory in case of dangerous goods listed in the general introduction IMDG code chapter 7.
	Occurrence 0 .. 1
	Type DGGVSAAndADRInformationType
Figure	Description GGVSA/ADR specifications - Specifications referring to the dangerous goods regulations street
	Occurrence 1 .. 1
	Type an..4
	Length .. 4
ExplosiveInformation	Description Class
	Occurrence 0 .. 1
	Type an..4
	Length .. 4
ExplosiveInformation	Description Number
	Type DGExplosiveInformationType

Element/Attribute	Annotation
	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
	Applicable Codes
	KGM Kilogramm
RadioactivityInformation	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
	Applicable Codes
	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
	Applicable Codes
	A Type A Package
	B(M) Type B(M) Package
	B(U) Type B(U) Package
	C Type C Package
	FREI Excepted Package
	IP-1 Industrial Package Type 1 (Type IP-1 Package)
	IP-2 Industrial Package Type 2 (Type IP-2 Package)
	IP-3 Industrial Package Type 3 (Type IP-3 Package)
	IP1 Industrial Package Type 1 (Type IP-1 Package)

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

Element/Attribute	Annotation
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
Total	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
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 Pattern \d{1,6} Description Number of packages
PackingCode	Occurrence 1 .. 1 Type an2 Description Packing code. DAKOSY container packaging codes (C2, H4) should no longer be used. Code list under: https://www.dakosy.de/fileadmin/Redakteur/Support/Dokumentation/Entwicklerdokumentation/EDI/Allgemein/Verpackungsartenschluessel.pdf
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 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
	Applicable Codes
	KGM Kilogramm

Element/Attribute	Annotation
<ul style="list-style-type: none"> – MarksAndNumbers 	<p>Occurrence 0 .. 1 Type an..1024 Length .. 1024 Description Marks and numbers</p>
<ul style="list-style-type: none"> – GoodsDescription 	<p>Occurrence 0 .. 1 Type an..1024 Length .. 1024 Description Goods description</p>
<ul style="list-style-type: none"> – MeansOfTransportID 	<p>Occurrence 0 .. 1 Type an..13 Length .. 13 Description Means of transport indicator</p>
<ul style="list-style-type: none"> – Remarks 	<p>Occurrence 0 .. 1 Type an..1024 Length .. 1024 Remark G27 Description Remarks</p>
<ul style="list-style-type: none"> – VehicleInformation 	<p>Occurrence 0 .. 1 Type VehicleInformationType Description Information to a vehicle</p>
<ul style="list-style-type: none"> – xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> – ChassisNumber 	<p>Occurrence 0 .. 1 Type chassisNumberType Length .. 17 Pattern [^ioO]{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).</p>
<ul style="list-style-type: none"> – EquipmentIndicator 	<p>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.</p>
<ul style="list-style-type: none"> – AdditionalCargoIndicator 	<p>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.</p>
<ul style="list-style-type: none"> – CustomsInformation 	<p>Occurrence 0 .. 1 Type CustomsInformationPackageType Description Information to customs procedure</p>
<ul style="list-style-type: none"> – xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> – Participants 	<p>Occurrence 0 .. 1 Type CustomsParticipantsType Description Participants involved in the customs process</p>
<ul style="list-style-type: none"> – xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> – Participant 	<p>Occurrence 1 .. 999 Type CustomsParticipantType Description An involved participant</p>
<ul style="list-style-type: none"> – xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> – ParticipantType 	<p>Occurrence 1 .. 1 Type customsParticipantTypeCode Description Participant type</p>
	<p>Applicable Codes</p> <p>CONSIGNEE Consignee DECLARANT Declarant EXPORTER Exporter REPRESENTI Representing company NG_COMPAN Y</p>

Element/Attribute	Annotation
EORINumber	<p>Occurence 0 .. 1</p> <p>Type eoriNumberType</p> <p>Length 4 .. 17</p> <p>Pattern [A-Z]{2}[0-9A-Z]{2,15}</p> <p>[A-Z]{2}[-]{1,15}</p> <p>Description 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>Occurence 0 .. 1</p> <p>Type an4</p> <p>Pattern \d{4}</p> <p>Description Branch number</p>
CustomsReferences	<p>Occurence 1 .. 1</p> <p>Type CustomsReferencesPackageType</p> <p>Description Customs references</p>
xs:sequence	<p>Occurence 1 .. 1</p>
AESMRNs	<p>Occurence 0 .. 1</p> <p>Type AESMRNsType</p> <p>Description Mandatory in case of declaration type AES with MRN. Attention: The information is transmitted to quay operators, brokers and shipowners, the processing/use however ist not binding and optional for the consignee.</p>
xs:sequence	<p>Occurence 1 .. 1</p>
MRN	<p>Occurence 1 .. 999</p> <p>Type AESMRNType</p> <p>Description Data to a MRN</p>
xs:sequence	<p>Occurence 1 .. 1</p>
Reference	<p>Occurence 1 .. 1</p> <p>Type mrnType</p> <p>Pattern \d{2}[A-Z]{2}[A-Z\d]{14}</p> <p>Description Master reference number (previously movement reference number)</p>
CompletenessIndicator	<p>Occurence 1 .. 1</p> <p>Type xs:boolean</p> <p>Description 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>
Position	<p>Occurence 0 .. 1</p> <p>Type n..3</p> <p>FractionDigits 0</p> <p>TotalDigits 3</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,3}</p> <p>Description Position of master reference number (previously movement reference number)</p>
PackageId	<p>Occurence 0 .. 1</p> <p>Type n..2</p> <p>FractionDigits 0</p> <p>TotalDigits 2</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,2}</p> <p>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>
ReductionIndicator	<p>Occurence 0 .. 1</p> <p>Type xs:boolean</p> <p>Description Information whether the MRN will be reduced or not -</p>

Element/Attribute	Annotation
	"true" = the MRN will be reduced; "false" or not available = the MRN will not be reduced.
AESLRNs	Occurrence 0 .. 1 Type AESLRNsType Description Mandatory if the LRN must be specified in the one-stage AES procedure.
xs:sequence	Occurrence 1 .. 1
LRN	Occurrence 1 .. 999 Type AESLRNType Description Data to a local reference number
xs:sequence	Occurrence 1 .. 1
Reference	Occurrence 1 .. 1 Type an..22 Length .. 22 Description Local reference number of the one-stage AES procedure
CompletenessIndicator	Occurrence 1 .. 1 Type xs:boolean Description 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.
Position	Occurrence 0 .. 1 Type n..3 FractionDigits 0 TotalDigits 3 Inclusive 1 .. Pattern \d{1,3} Description Position of local reference number
PackageId	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.
DangerousGoodsInformations	Occurrence 0 .. 1 Type DangerousGoodsInformationsType Description Dangerous goods informations
xs:sequence	Occurrence 1 .. 1
DangerousGoodsInformation	Occurrence 1 .. 1 Type DangerousGoodsInformationType Description Dangerous goods information
xs:sequence	Occurrence 1 .. 1
IMDGAmendment	Occurrence 0 .. 1 Type an..10 Length .. 10 Description Amendment of IMDG code where the dangerous goods information refer to
IMDGClass	Occurrence 1 .. 1 Type an..4 Length .. 4 Description IMDG class - check against the IMDG code as well as compatibility assessment with UN number

Element/Attribute	Annotation
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>
Applicable Codes	
CEL	Celsius
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 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 PropperShippingName: NOS/nos/N.O.S./n.o.s./NAG/nag/N.A.G./n.a.g. Possible contents I, II, III >= (does not</p>

Element/Attribute	Annotation
	apply for the class 1,2 and 7)
Properties	<p>Occurrence 0 .. 1</p> <p>Type an..216</p> <p>Length .. 216</p> <p>Description Properties/remarks</p>
WaterHazardClass	<p>Occurrence 0 .. 1</p> <p>Type waterHazardClassCode</p> <p>Description WGK code, water hazard class - coding: 0/1/2/3</p> <p>Applicable Codes</p> <p>0 not assigned</p> <p>1 low water hazard material</p> <p>2 water hazard material</p> <p>3 high water hazard material</p>
PropperShippingName	<p>Occurrence 1 .. 1</p> <p>Type an..72</p> <p>Length .. 72</p> <p>Description Propper technical term - Propper technical shipping term according to IMDG code</p>
TechnicalName	<p>Occurrence 0 .. 1</p> <p>Type an..110</p> <p>Length .. 110</p> <p>Description Hazard trigger - Mandatory in case of dangerous goods listed in the general introduction IMDG code chapter 7.</p>
GGVSAndADRInformation	<p>Occurrence 0 .. 1</p> <p>Type DGGGVSAndADRInformationType</p> <p>Description GGVS/ADR specifications - Specifications referring to the dangerous goods regulations street</p>
xs:sequence	Occurrence 1 .. 1
Class	<p>Occurrence 0 .. 1</p> <p>Type an..4</p> <p>Length .. 4</p> <p>Description Class</p>
Figure	<p>Occurrence 0 .. 1</p> <p>Type an..4</p> <p>Length .. 4</p> <p>Description Number</p>
ExplosiveInformation	<p>Occurrence 0 .. 1</p> <p>Type DGExplosiveInformationType</p> <p>Description Extended information in case of explosive dangerous goods</p>
xs:sequence	Occurrence 1 .. 1
Stowage	<p>Occurrence 0 .. 1</p> <p>Type an..3</p> <p>Length .. 3</p> <p>Description Stowage method (acc. to 27. Amdt. IMDG code)</p>
CompatibilityGroup	<p>Occurrence 0 .. 1</p> <p>Type an1</p> <p>Description Compatibility group</p>
PowderWeight	<p>Occurrence 0 .. 1</p> <p>Type Weight7.3Type</p> <p>FractionDigits 3</p> <p>TotalDigits 10</p> <p>Pattern \d{1,7}(\.\d{1,3})?</p> <p>Description Net powder weight</p>
unit	<p>Type weightUnitCode</p> <p>Description Unit of measurement of the weight</p> <p>Applicable Codes</p> <p>KGM Kilogramm</p>
RadioactivityInformation	<p>Occurrence 0 .. 1</p> <p>Type DGRadioactivityInformationType</p> <p>Description Extended information in case of radioactive dangerous goods</p>
xs:sequence	Occurrence 1 .. 1

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

Element/Attribute	Annotation
xs:sequence	Occurrence 1 .. 1
Length	Occurrence 0 .. 1 Type LengthType FractionDigits 0 TotalDigits 4 Inclusive 1 .. Pattern \d{1,4} Description Length
unit	Type sizeUnitCode Description Unit of size specifications Applicable Codes CMT Zentimeter/Centimeter
Width	Occurrence 0 .. 1 Type LengthType FractionDigits 0 TotalDigits 4 Inclusive 1 .. Pattern \d{1,4} Description Width
unit	Type sizeUnitCode Description Unit of size specifications Applicable Codes CMT Zentimeter/Centimeter
Height	Occurrence 0 .. 1 Type LengthType FractionDigits 0 TotalDigits 4 Inclusive 1 .. Pattern \d{1,4} Description Height
unit	Type sizeUnitCode Description Unit of size specifications Applicable Codes CMT Zentimeter/Centimeter
Volume	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 Applicable Codes MTQ Kubikmeter
Total	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 Applicable Codes MTQ Kubikmeter
Containers	Occurrence 0 .. 1 Type ContainersType Description This element summarizes information to all containers of a batch.
xs:sequence	Occurrence 1 .. 1

Element/Attribute	Annotation
Container	<p>Occurrence 1 .. 999</p> <p>Type ContainerType</p> <p>Description Information about a container</p>
xs:sequence	Occurrence 1 .. 1
ContainerNumber	<p>Occurrence 1 .. 1</p> <p>Type an..12</p> <p>Length .. 12</p> <p>Description Container number</p>
NonIsoContainerIndicator	<p>Occurrence 0 .. 1</p> <p>Type xs:boolean</p> <p>Description 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>
Seal	<p>Occurrence 0 .. 1</p> <p>Type an..11</p> <p>Length .. 11</p> <p>Description Seal number</p>
SizeType	<p>Occurrence 1 .. 1</p> <p>Type an..4</p> <p>Length .. 4</p> <p>Description Container size and type code according to ISO6346</p>
TemperatureRange	<p>Occurrence 0 .. 1</p> <p>Type TemperatureRangeType</p> <p>Description Temperature range</p>
xs:sequence	Occurrence 1 .. 1
Min	<p>Occurrence 0 .. 1</p> <p>Type Temperature100Type</p> <p>FractionDigits 0</p> <p>Inclusive -99 .. 99</p> <p>Description Minimum temperature</p>
unit	<p>Type temperatureUnitCode</p> <p>Description Unit of temperature</p> <p>Applicable Codes</p> <p>CEL Celsius</p>
Max	<p>Occurrence 0 .. 1</p> <p>Type Temperature100Type</p> <p>FractionDigits 0</p> <p>Inclusive -99 .. 99</p> <p>Description Maximum temperature</p>
unit	<p>Type temperatureUnitCode</p> <p>Description Unit of temperature</p> <p>Applicable Codes</p> <p>CEL Celsius</p>
MRNOptions	<p>Occurrence 0 .. 1</p> <p>Type MRNOptionsType</p> <p>Description Extended options concerning the specified MRN</p>
xs:sequence	Occurrence 1 .. 1
Reductions	<p>Occurrence 1 .. 1</p> <p>Type ReductionsType</p> <p>Description All reductions referring to MRN's</p>
xs:sequence	Occurrence 1 .. 1
Reduction	<p>Occurrence 1 .. 999</p> <p>Type ReductionType</p> <p>Description Reduction to a MRN</p>
xs:sequence	Occurrence 1 .. 1
ReductionType	<p>Occurrence 1 .. 1</p> <p>Type reductionTypeCode</p> <p>Description Reduction type</p> <p>Applicable Codes</p> <p>COMPLETE_P Complete Position</p> <p>OSITION</p> <p>GROSS_WEIG Gross weight</p> <p>HT</p>

Element/Attribute	Annotation
	Applicable Codes
	NET_WEIGHT Net weight
MRN	<p>Occurrence 1 .. 1</p> <p>Type mrnType</p> <p>Pattern \d{2}[A-Z]{2}[A-Z\d]{14}</p> <p>Description Master reference number (previously movement reference number)</p>
Position	<p>Occurrence 1 .. 1</p> <p>Type n..3</p> <p>FractionDigits 0</p> <p>TotalDigits 3</p> <p>Inclusive 1 ..</p> <p>Pattern \d{1,3}</p> <p>Description 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.</p>
ReducedNetWeight	<p>Occurrence 0 .. 1</p> <p>Type Weight8.3Type</p> <p>FractionDigits 3</p> <p>TotalDigits 11</p> <p>Pattern \d{1,8}(\.\d{1,3})?</p> <p>Description Reduced net weight, mandatory in case of ReductionType NET_WEIGHT and GROSS_WEIGHT, empty in case of ReductionType COMPLETE_POSITION</p>
unit	<p>Type weightUnitCode</p> <p>Description Unit of measurement of the weight</p>
	Applicable Codes
	KGM Kilogramm
ReducedGrossWeight	<p>Occurrence 0 .. 1</p> <p>Type Weight8.3Type</p> <p>FractionDigits 3</p> <p>TotalDigits 11</p> <p>Pattern \d{1,8}(\.\d{1,3})?</p> <p>Description Reduced gross weight, mandatory in case of ReductionType GROSS_WEIGHT, empty in case of ReductionType COMPLETE_POSITION</p>
unit	<p>Type weightUnitCode</p> <p>Description Unit of measurement of the weight</p>
	Applicable Codes
	KGM Kilogramm