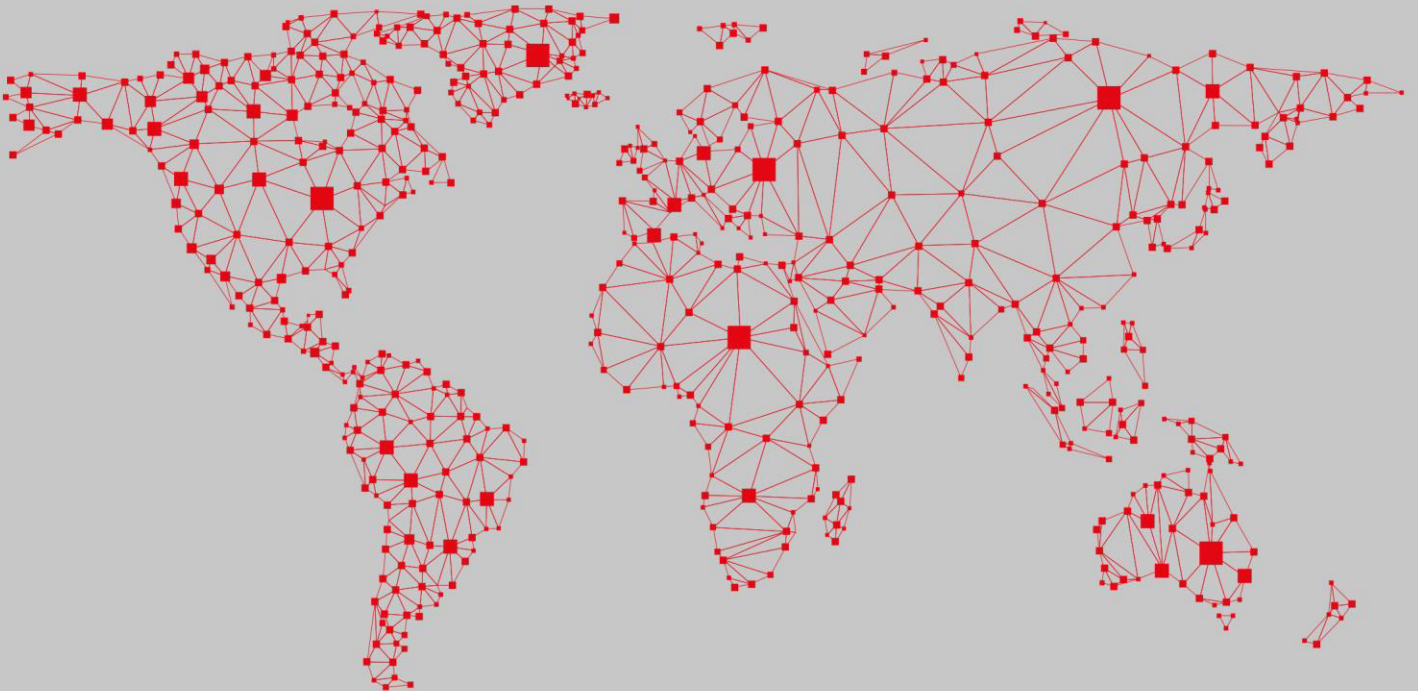


ALPO PORTBASE XML SCHEMA GUIDE

VERSION 1.0



VERSION OVERVIEW

Date	Version	Change Log	Author
23.06.2025	1.0	Document creation	Sven Ochterbeck

INTRODUCTION

The following XML Schema Guide describes the ALPO OrderIn XML interface with regard to the transfer of port orders for Portbase / Rotterdam.

It is based on "ALPO_OrderIn_extern_V1_47.xsd," which is also available as a technical document.

The general functionality of the interface is described in the document "ALPO_General Interface Documentation_V1.0".

It is possible to connect to a test system to check the implementation of the interface.

Please do not hesitate to contact us if you have any questions.

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Structure

Occurrence	Element/Attribute
AdvantageEnterpriseVersion0.1	
1 .. 1	xs:sequence
1 .. 1	SENDER
1 .. 1	xs:sequence
1 .. 1	ID_SENDERSYSTEM
1 .. 1	SENDER_REFERENZ
1 .. 1	Benutzer_ID
1 .. 1	EMPFANGSSYSTEM
1 .. 1	xs:sequence
1 .. 1	ID_EMPFANGSSYSTEM
1 .. 1	NachrichtenZeitstempel
1 .. 1	xs:sequence
1 .. 1	Tag
1 .. 1	Zeit
1 .. 1	xs:choice
1 .. 1	xs:sequence
1 .. 1	xs:choice
1 .. 1	ECSPortBase
1 .. 1	xs:sequence
1 .. 1	StandardDokument
1 .. 1	xs:sequence
1 .. 1	Bearbeitungszustand
1 .. 1	StandardDokumentKopf
1 .. 1	xs:sequence
1 .. 1	SenderDaten
1 .. 1	xs:sequence
0 .. 1	Firma
1 .. 1	Kontaktperson
1 .. 1	xs:sequence
0 .. 1	Name
0 .. 1	Telefon
0 .. 1	Fax
0 .. 1	Email
0 .. 1	KontaktTyp
0 .. 1	DokumentZusatz
1 .. 1	xs:sequence
0 .. 1	SpeditionsbuchNr
0 .. 1	Kundenreferenz
0 .. 1	SchiffsName
0 .. 1	DatumETS
1 .. 1	xs:sequence
1 .. 1	Tag
0 .. 1	Zeit
0 .. 1	LoeschHafen
0 .. 1	Bemerkungen
1 .. 1	DokumentDaten
1 .. 1	xs:sequence
1 .. 1	DokumentZaehler
1 .. 1	AntragsKopf
1 .. 1	xs:sequence

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

Occurrence	Element/Attribute
1 .. 1	AntragsAktion
0 .. 1	vorAntragsReferenz
1 .. 1	Antragsdaten
1 .. 1	xs:sequence
1 .. 1	ExportAuftrag
1 .. 1	xs:sequence
1 .. 1	ZollDokument
1 .. 1	xs:sequence
1 .. 1	DokumentArt
1 .. 1	DokumentReferenz
0 .. 1	NotifyPartyEmail
0 .. 1	Brutto-Gewicht
0 .. 1	Brutto-Einheit
1 .. 99	Equipment
1 .. 1	xs:sequence
1 .. 1	EquipmentZaehler
1 .. 1	EquipmentNummer
0 .. 1	ShipperOwned
1 .. 1	BuchungsReferenz
0 .. 1	Brutto-Gewicht
0 .. 1	Brutto-Einheit

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

Guideline

Element/Attribute	Annotation	
AdvantageEnterpriseVersion0.1	Type	extension (AdvantageEnterpriseType)
xs:sequence	Occurrence	1 .. 1
SENDER	Occurrence	1 .. 1
xs:sequence	Type	SENDERType
ID_SENDERSYSTEM	Occurrence	1 .. 1
	Type	restriction (xs:string)
	Length	.. 8
	Description	Eight-digit dbh customer number, which will be provided after setup is completed by dbh.
SENDER_REFERENZ	Occurrence	1 .. 1
	Type	restriction (xs:string)
	Length	.. 50
	Description	Unique order reference of the sending system.
Benutzer_ID	Occurrence	1 .. 1
	Type	restriction (xs:string)
	Length	.. 50
	Description	User-specific ID ("OrderIN-ID"), that is assigned to each user by dbh.
EMPFANGSSYSTEM	Occurrence	1 .. 1
xs:sequence	Occurrence	1 .. 1
ID_EMPFANGSSYSTEM	Occurrence	1 .. 1
	Type	restriction (xs:string)
	Description	The appropriate code must be specified depending on the port system / port of loading.
Applicable Codes		
	ALPO	POL = Bremen, Bremerhaven, Wilhelmshaven, Hamburg + SOLAS VGM
	APCS	POL = Antwerp
	NLRTMPCS	POL = Rotterdam
NachrichtenZeitstempel	Occurrence	1 .. 1
	Type	ZeitstempelType
xs:sequence	Occurrence	1 .. 1
Tag	Occurrence	1 .. 1
	Type	xs:date
	Description	Format: YYYY-MM-DD
Zeit	Occurrence	1 .. 1
	Type	xs:time
	Description	Format: HH:MM:SS
xs:choice	Occurrence	1 .. 1
xs:sequence	Occurrence	1 .. 1
xs:choice	Occurrence	1 .. 1
ECSPortBase	Occurrence	1 .. 1
xs:sequence	Occurrence	1 .. 1
StandardDokument	Occurrence	1 .. 1
	Type	ECSSStandardDokumentType
xs:sequence	Occurrence	1 .. 1
Bearbeitungszustand	Occurrence	1 .. 1
	Type	restriction (xs:string)
	Description	Controls whether the order is only saved for further manuel processing in ALPO or whether it is saved and sent directly. See separate general ALPO EDI interface documentation for more information.
Applicable Codes		
	CANCELTION	
	Cancelation	
	NEU	
	NEU_SENDEN	

Bold = Element, *Italic* = Attribute, **Grey** = Group

Element/Attribute	Annotation
	Applicable Codes
	NEW
	NEWANDSEND
	Neu
	Neu_Senden
	New
	NewAndSend
	REPLACE Do not use!
	Replace Do not use!
	STORNO
	Storno
StandardDokumentKopf	Occurence 1 .. 1
	Type eBalleStandartDocumentKopfType
xs:sequence	Occurence 1 .. 1
SenderDaten	Occurence 1 .. 1
	Type SenderDatenType
	Description Information about the order creator.
xs:sequence	Occurence 1 .. 1
Firma	Occurence 0 .. 1
	Type restriction (xs:string)
	Length .. 30
	Description Company name of the order creator.
Kontaktperson	Occurence 1 .. 1
	Type KontaktpersonType
	Description Contact details of the issuing person.
xs:sequence	Occurence 1 .. 1
Name	Occurence 0 .. 1
	Type restriction (xs:string)
	Length .. 70
	Description Name of the issuing person.
Telefon	Occurence 0 .. 1
	Type restriction (xs:string)
	Length .. 35
	Description Phone number of the issuing person.
Fax	Occurence 0 .. 1
	Type restriction (xs:string)
	Description Fax number of the issuing person.
Email	Occurence 0 .. 1
	Type restriction (xs:string)
	Description E-Mail address of the issuing person.
KontaktTyp	Occurence 0 .. 1
	Type restriction (xs:string)
	Description Always = declarant
	Applicable Codes
	declarant
DokumentZusatz	Occurence 0 .. 1
	Type eBalleDokumentZusatzType
xs:sequence	Occurence 1 .. 1
SpeditionsbuchNr	Occurence 0 .. 1
	Type restriction (xs:string)
	Length .. 30
	Description Order reference of the issuing party.
Kundenreferenz	Occurence 0 .. 1
	Type restriction (xs:string)
	Length 1 .. 64
	Description Alternative order number of the order creator for administration in ALPO. Used only in ALPO and not forwarded to Portbase.

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
- SchiffsName - DatumETS - xs:sequence - Tag - Zeit - LoeschHafen - Bemerkungen	SchiffsName	Occurrence	0 .. 1
		Type	restriction (xs:string)
		Length	.. 30
		Description	Vessel name of the export vessel.
	DatumETS	Occurrence	0 .. 1
		Type	DateType
		Description	Planned departure date of the vessel (ETS/ETD).
	xs:sequence	Occurrence	1 .. 1
	Tag	Occurrence	1 .. 1
		Type	xs:date
- Zeit - LoeschHafen - Bemerkungen		Description	Format: YYYY-MM-DD
	Zeit	Occurrence	0 .. 1
		Type	xs:time
		Description	Format: HH:MM.SS
	LoeschHafen	Occurrence	0 .. 1
		Type	restriction (xs:string)
		Length	.. 5
		Description	Port of discharge (POD).
	Bemerkungen	Occurrence	0 .. 1
		Type	restriction (xs:string)
- DokumentDaten - xs:sequence - DokumentZaehler - AntragsKopf - xs:sequence - AntragsAktion - vorAntragsReferenz - Antragsdaten - xs:sequence - ExportAuftrag - xs:sequence - ZollDokument		Length	.. 288
		Description	Comments for administration in ALPO. These are not forwarded to Portbase.
	DokumentDaten	Occurrence	1 .. 1
		Type	ECSDokumentDatenType
	xs:sequence	Occurrence	1 .. 1
	DokumentZaehler	Occurrence	1 .. 1
		Type	xs:int
		FractionDigits	0
		Inclusive	1 .. 1
		Description	At Portbase, the customs document is the leading element. Only one customs document can be specified per declaration. Multiple containers can then be assigned to this customs document.
- AntragsKopf - xs:sequence - AntragsAktion - vorAntragsReferenz - Antragsdaten - xs:sequence - ExportAuftrag - xs:sequence - ZollDokument	AntragsKopf	Occurrence	1 .. 1
		Type	ECSAntragKopfType
	xs:sequence	Occurrence	1 .. 1
	AntragsAktion	Occurrence	1 .. 1
		Type	restriction (xs:string)
		Description	Indication of whether it is a new entry (original) or a cancellation (deletion). Must correlate with the <Bearbeitungszustand> specification.
		Applicable Codes Deletion Original deletion original	
	vorAntragsReferenz	Occurrence	0 .. 1
		Type	xs:string
		Description	ALPO order number, to be specified when canceling a Portbase order.
- Antragsdaten - xs:sequence - ExportAuftrag - xs:sequence - ZollDokument	Antragsdaten	Occurrence	1 .. 1
	xs:sequence	Occurrence	1 .. 1
	ExportAuftrag	Occurrence	1 .. 1
		Type	ECSExportAuftragType
	xs:sequence	Occurrence	1 .. 1
	ZollDokument	Occurrence	1 .. 1
		Type	ECSZollDokumentType
		Description	Information on the customs document to be declared.
	xs:sequence	Occurrence	1 .. 1

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Element/Attribute		Annotation	
DokumentArt DokumentReferenz NotifyPartyEmail Brutto-Gewicht Brutto-Einheit Equipment xs:sequence EquipmentZaehler EquipmentNummer ShipperOwned BuchungsReferenz Brutto-Gewicht Brutto-Einheit	DokumentArt	Occurrence 1 .. 1 Type restriction (xs:string) Length .. 5 Description Indication of the type of customs document.	dbh is happy to provide the list of master data.
	DokumentReferenz	Occurrence 1 .. 1 Type restriction (xs:string) Length .. 27 Description Reference of the customs document.	
	NotifyPartyEmail	Occurrence 0 .. 1 Type restriction (xs:string) Length .. 50 Description Enter an email address to which Portbase should send status emails regarding the order. ALPO also offers the option of defining email notifications per user.	
	Brutto-Gewicht	Occurrence 0 .. 1 Type restriction (xs:decimal) Description Gross weight of the goods included in the customs declaration.	
	Brutto-Einheit	Occurrence 0 .. 1 Type restriction (xs:string) Description Unit of the gross weight.	
	Applicable Codes		
	KGM Kilogram		
	Equipment	Occurrence 1 .. 99 Type ECSEquipmentType	
	EquipmentZaehler	Occurrence 1 .. 1 Type xs:int FractionDigits 0 Inclusive 1 .. 999 Description Starting with 1, specify in ascending order.	
	EquipmentNummer	Occurrence 1 .. 1 Type restriction (xs:string) Length .. 11 Description Container number	
	ShipperOwned	Occurrence 0 .. 1 Type restriction (xs:string) Description Is it a shipper's own container?	
	Applicable Codes		
	FALSE False TRUE True false true		
	BuchungsReferenz	Occurrence 1 .. 1 Type restriction (xs:string) Length .. 35 Description Booking reference of the ocean carrier.	
	Brutto-Gewicht	Occurrence 0 .. 1 Type restriction (xs:decimal) Description Gross weight of the container.	
	Brutto-Einheit	Occurrence 0 .. 1 Type restriction (xs:string) Description Unit of the gross weight.	
	Applicable Codes		
	KGM Kilogram		

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