ALPO
PORTBASE
XML SCHEMA GUIDE

VERSION 1.0

dbh

Date	Version	Change Log	Author
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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.

Your dbh Logistics IT AG
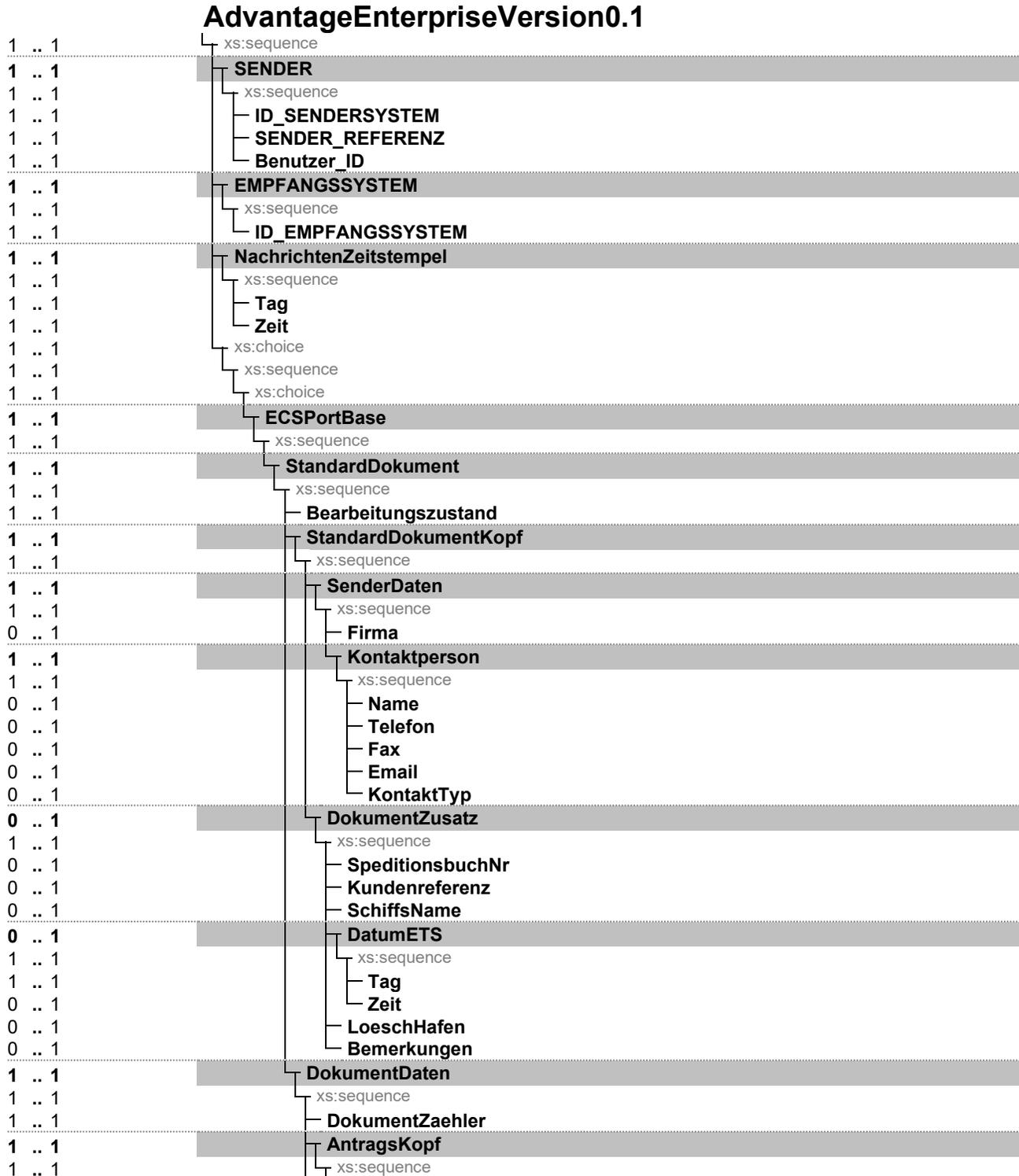
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Structure

Occurrence	Element/Attribute

AdvantageEnterpriseVersion0.1

Occurrence	Element/Attribute
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

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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**

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Guideline

Element/Attribute	Annotation	
AdvantageEnterpriseVersion0.1	Type	extension (AdvantageEnterpriseType)
└ xs:sequence	Occurence	1 .. 1
├ **SENDER**	Occurence	1 .. 1
	Type	SENDERType
└ xs:sequence	Occurence	1 .. 1
├ **ID_SENDERSYSTEM**	Occurence	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**	Occurence	1 .. 1
	Type	restriction (xs:string)
	Length	.. 50
	Description	Unique order reference of the sending system.
└ **Benutzer_ID**	Occurence	1 .. 1
	Type	restriction (xs:string)
	Length	.. 50
	Description	User-specific ID ("OrderIN-ID"), that is assigned to each user by dbh.
├ **EMPFANGSSYSTEM**	Occurence	1 .. 1
└ xs:sequence	Occurence	1 .. 1
└ **ID_EMPFANGSSYSTEM**	Occurence	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**	Occurence	1 .. 1
	Type	ZeitstempelType
└ xs:sequence	Occurence	1 .. 1
├ **Tag**	Occurence	1 .. 1
	Type	xs:date
	Description	Format: YYYY-MM-DD
└ **Zeit**	Occurence	1 .. 1
	Type	xs:time
	Description	Format: HH:MM:SS
└ xs:choice	Occurence	1 .. 1
└ xs:sequence	Occurence	1 .. 1
└ xs:choice	Occurence	1 .. 1
├ **ECSPortBase**	Occurence	1 .. 1
└ xs:sequence	Occurence	1 .. 1
├ **StandardDokument**	Occurence	1 .. 1
	Type	ECSStandardDokumentType
└ xs:sequence	Occurence	1 .. 1
├ **Bearbeitungszustand**	Occurence	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	
	CANCELATION	
	Cancelation	
	NEU	
	NEU_SENDEN	

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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	eBalieStandartDocumentKopfType	
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 adress of the issuing person.	
KontaktTyp	Occurence	0 .. 1	
	Type	restriction (xs:string)	
	Description	Always = declarant	
	Applicable Codes		
	declarant		
DokumentZusatz	Occurence	0 .. 1	
	Type	eBalieDokumentZusatzType	
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.	

Element/Attribute	Annotation	
SchiffsName	Occurence	0 .. 1
	Type	restriction (xs:string)
	Length	.. 30
	Description	Vessel name of the export vessel.
DatumETS	Occurence	0 .. 1
	Type	DateType
	Description	Planned departure date of the vessel (ETS/ETD).
xs:sequence	Occurence	1 .. 1
Tag	Occurence	1 .. 1
	Type	xs:date
	Description	Format: YYYY-MM-DD
Zeit	Occurence	0 .. 1
	Type	xs:time
	Description	Format: HH:MM.SS
LoeschHafen	Occurence	0 .. 1
	Type	restriction (xs:string)
	Length	.. 5
	Description	Port of discharge (POD).
Bemerkungen	Occurence	0 .. 1
	Type	restriction (xs:string)
	Length	.. 288
	Description	Comments for administration in ALPO. These are not forwarded to Portbase.
DokumentDaten	Occurence	1 .. 1
	Type	ECSDokumentDatenType
xs:sequence	Occurence	1 .. 1
DokumentZaehler	Occurence	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	Occurence	1 .. 1
	Type	ECSAntragKopfType
xs:sequence	Occurence	1 .. 1
AntragsAktion	Occurence	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	Occurence	0 .. 1
	Type	xs:string
	Description	ALPO order number, to be specified when canceling a Portbase order.
Antragsdaten	Occurence	1 .. 1
xs:sequence	Occurence	1 .. 1
ExportAuftrag	Occurence	1 .. 1
	Type	ECSExportAuftragType
xs:sequence	Occurence	1 .. 1
ZollDokument	Occurence	1 .. 1
	Type	ECSZollDokumentType
	Description	Information on the customs document to be declared.
xs:sequence	Occurence	1 .. 1

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Element/Attribute	Annotation		
— **DokumentArt**	Occurence	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**	Occurence	1 .. 1	
	Type	restriction (xs:string)	
	Length	.. 27	
	Description	Reference of the customs document.	
— **NotifyPartyEmail**	Occurence	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**	Occurence	0 .. 1	
	Type	restriction (xs:decimal)	
	Description	Gross weight of the goods included in the customs declaration.	
— **Brutto-Einheit**	Occurence	0 .. 1	
	Type	restriction (xs:string)	
	Description	Unit of the gross weight.	
	Applicable Codes		
	KGM	Kilogram	
— **Equipment**	Occurence	1 .. 99	
	Type	ECSEquipmentType	
— *xs:sequence*	Occurence	1 .. 1	
— **EquipmentZaehler**	Occurence	1 .. 1	
	Type	xs:int	
	FractionDigits	0	
	Inclusive	1 .. 999	
	Description	Starting with 1, specify in ascending order.	
— **EquipmentNummer**	Occurence	1 .. 1	
	Type	restriction (xs:string)	
	Length	.. 11	
	Description	Container number	
— **ShipperOwned**	Occurence	0 .. 1	
	Type	restriction (xs:string)	
	Description	Is it a shipper's own container?	
	Applicable Codes		
	FALSE		
	False		
	TRUE		
	True		
	false		
	true		
— **BuchungsReferenz**	Occurence	1 .. 1	
	Type	restriction (xs:string)	
	Length	.. 35	
	Description	Booking reference of the ocean carrier.	
— **Brutto-Gewicht**	Occurence	0 .. 1	
	Type	restriction (xs:decimal)	
	Description	Gross weight of the container.	
— **Brutto-Einheit**	Occurence	0 .. 1	
	Type	restriction (xs:string)	
	Description	Unit of the gross weight.	
	Applicable Codes		
	KGM	Kilogram	

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