FOSA Katalog und Bestellwesen Fassungen und Handelswaren

FOSA Catalogue and Ordering System Frames and Merchandise

Version 2.7.2

1   Inhalt / Content

2   Einleitung

FOSA hat es sich zur Aufgabe gemacht, Kommunikationsstandards für die EDV im augenoptischen Fachbetrieb zu entwickeln und durchzusetzen. Dieses Format unterliegt dem FOSA-Reglement:

_ Es ist öffentlich und kann von jedermann lizenzfrei verwendet werden;

_ Veränderungen, Erweiterungen und Modifikationen werden bei FOSA beantragt. Freigaben sind erfolgt, wenn das neue Dokument veröffentlicht wurde (in der Regel unter www.fosa.optik.de)

Die im Nachfolgenden beschriebenen Dokumentformate werden einfache und effiziente B2B-Lösungen im Bereich Brillenfassung ermöglichen. Soweit wie möglich ist die Erweiterungsmöglichkeit auf andere Warengruppen (opt. und nicht opt. Handelswaren) vorgesehen.

Für jedes Dokument ist folgende syntaktische Variante vorgesehen:

_ MS-Excel-kompatibles ASCII-Textformat (weiterhin als .TXT referiert). Ermöglicht einfachen Einstieg in die Dokumentbearbeitung

Eine Variante im XML-Format ist seit Version 2.7.0 nicht mehr vorgesehen. Wenn ein XML-Format gewünscht ist, dann soll zukünftig das Spectaris-XML-Format unterstützt werden.

Introduction

FOSA has taken on the task of developing and setting communication standards for the IT in the optical profession. This format is subject to the FOSA-rules and regulations:

_ It is public and can be used by anybody licence-free;

_ Changes, extensions and modifications have to be applied for at FOSA. Releases are carried out by publishing the new document, usually at www.fosa.optik.de

The document formats described hereafter will enable simple and efficient B2B-solutions in the spectacle frames area. As far as possible, this standard provides the option of extending the format to other product groups (opt. and non-opt. merchandise).

For each document, the following syntax variant is provided:

_ MS-Excel-compatible ASCII-text format (referred to as .TXT hereafter). Enables an easy lead-in to the document editing

A variant in XML format is not provided since version 2.7.0. If an XML format is desired, the Spectaris XML format should be supported in the future.

2.1 Anwendungen

Es sollen im Wesentlichen folgende Anwendungen abgedeckt werden:

_ Fassungskatalog: Versorgung des Augenoptikers mit aktuellen Kataloginformationen des Herstellers

_ Handelswarenkatalog: Versorgung des Augenoptikers mit aktuellen Kataloginformationen des Herstellers

_ Kataloglieferschein für Fassungen und Handelswaren.

_ Fassungs-, Handelswarenbestellung mit Lieferrückmeldung

_ Verkaufsbericht

2.2 Datenübertragung

_ Die Datenübertragung zwischen Hersteller und Optiker findet entweder per eMail oder durch lokale Datenübergabe auf Basis von Dateien statt. Auch andere Übertragungsverfahren sind denkbar.

_ Die zu Übertragenden Dokumente werden als eMail-Anhang oder in definierte Verzeichnisse übertragen.

_ Die Übertragung der Dokumente erfolgt im TXT-Format.

_ Die E-Mail enthält als Betreff die Kundennummer des Optikers.

Zur Sicherung der Übertragung wird eine PGP-Verschlüsselung des eMail-Anhangs mit dem zu vergebenden Passwort des Optikers vorgeschlagen. Entsprechende Werkzeuge sind noch bereitzustellen.

Applications:

The following applications should be mainly covered:

_ Frames catalogue: Providing the Optician/Optometrist with up-to-date manufacturer catalogue information

_ Merchandise catalogue: Providing the Optician/Optometrist with up-to-date manufacturer catalogue information

_ Catalogue delivery note for frames and Merchandise.

_ Frames or Merchandise orders with delivery notification

_ Sales report

Data transfer:

_ The data transfer between manufacturer and optician is carried out either by email or by local data transfer on the basis of files. Alternative means of data transfer are also possible.

_ The documents to be transferred are send as email attachments or copied to defined directories.

_ The documents are transferred in .TXT format.

_ The email contains the customer number of the optician as the subject

_ To secure the transmission, the email attachment is encrypted with PGP, using the password of the optician. Appropriate tools have yet to be prepared.

2.3 TXT Dokumentformat - Allgemeines:

_ Die Dateien sind Textdateien, es wird der ISO 8859-1 Zeichensatz verwendet.

_ Als Satztrenner wird die Zeichenkombination CR und LF verwendet (#0D #0A)

_ Die Felder innerhalb eines Satzes haben variable Satzlängen und werden durch Semikolon getrennt.

_ Der erste Satz jeder Datei enthält an Stelle der Elementinhalte die Namen der Elemente, ebenfalls in variabler Länge und durch Tabulatoren- oder Semikolon-getrennt.

Spezielle Darstellungen:

Sollen in Datenfeldern die speziellen Trennzeichen verwendet werden, muss folgende Ersatzdarstellung benutzt werden:

TAB   = \t
CR   = \r
LF   = \n
Backslash = \B

TXT Document Format - General:

_ The files are text files, the ISO 8859-1 font is used.

_ The record sets are separated with the character combination CR and LF (#0D #0A)

_ The fields within one record have variable record lengths and are separated with semicolon.

_ The first set of each file contains the name of the elements instead of actual data; also with variable length and separated by tabs.

Special representations:

If the special separation characters are used in the data fields, then the following replacement representation has to be used:

TAB   = \t
CR   = \r
LF   = \n
Backslash   = \B

3 Beschreibung der Datenelemente

Alle Dokumente setzten sich aus Datenelementen zusammen, deren Beschreibungen in der Gesamt-Datenelementliste enthalten sind.

Für jedes Datenelement sind folgende Angaben im Datenelementliste enthalten

Elementname: Ist der Feldname im .TXT-Format. Die Elementnamen werden Englisch gewählt. Ihre Reihenfolge innerhalb der Dokumente ist beliebig.

Alpha/Numerisch/Enumeration/Datum:

Datentyp des Elements,

A = Alphanumerisch, E = Enumeration,

N = Numerisch, D = Datum, U = Dateiname/URL

Ein Enumerationselement kann nur Werte aus einer festen Anzahl von gegebenen Werten annehmen (s. Wertebereichsliste)

Numerische Elemente mit Nachkommastellen haben „.“ als Dezimaltrenner

Datumselemente werden in der Form JJJJMMTT angegeben

URL-Elemente haben URL-Syntax Bsp:

„c:\tmp\bild1.jpg“ oder

„http://www.ipro.de/fasskat/bild3.jpg“

Für jedes optionale Datenelement, das in einem Dokument weggelassen wird, werden abhängig vom Elementtyp Standardwerte angenommen. Die sind für

  Typ A: Leerstring

  Typ E: Wert mit der Folgenummer 0

  Typ N: 0

  Typ D: Leerstring

  Typ U: Leerstring

  Typ X: nicht anwendbar

Kann/muss: Zwingend benötigte Pflichtfelder werden mit muss gekennzeichnet.

Maximal-Länge: Maximal zulässige Länge.

The List of Data Elements

All documents are composed of data elements, the description of which are part of the complete data elements list.

For each data element, the following particulars are present in the data elements list:

Element name is the field name in .TXT-format and/or the element-tag in .XML-Format. The element names are in English. Their order of appearance within the documents is free.

Alpha/Numerical/Enumeration/Date:

Element type: Data type of element,

A = Alpha numerical, E = Enumeration, N = Numerical,

D = Date, U = File name/URL

An enumeration element can only have values from a fixed number of given values (see value range list)

Numerical elements with decimal places have “.“ as decimal separator

Date elements have the format YYYYMMDD

URL-elements have URL-syntax. Example:

“c:\tmp\image1.jpg“ or

“http://www.ipro.de/framescat/image3.jpg“

For each optional data element which is omitted in a document, standard values will be assumed depending on the element type. These are for

  Type A: Empty string

  Type E: Value with the sequence number 0

  Type N: 0

  Type D: Empty string

  Type U: Empty string

  Type X: Not applicable

Optional/required: Mandatory fields have to be marked as required.

Maximum length: Maximum length of the data element in the font used.

Vorzeichen: Zulässigkeit von Vorzeichen bei numerischem Elementtyp

Nachkommastellen: Maximal zulässige Zahl von Nachkommastellen bei numerischem Elementtyp

Wertebereichsliste: Listet bei Enumerationstypen die möglichen Werte für das Datenfeld auf.

Die Repräsentation des Elements im .TXT-Format erfolgt Numerisch durch die Angabe der Folgenummer das aktuellen Werts, im .XML-Format wird er Wert direkt als String angegeben.

Kommentar: Hilfreiche Informationen zum Datenelement.

Innerhalb eines Lieferscheins (FOSALfsNumber) invariant: Konstanter Wert innerhalb einer Lieferscheinnummer.

Anmerkung: Mehrere Lieferscheinnumern (FOSALfsNumber) innerhalb eines Dokuments sind zulässig.

Warengruppenunspezifisch: Ist nicht von der Warengruppe (Handelswaren, Fassungen)

Warengruppenspezifisch: Spezifische für die angegebene Warengruppe

Sign: Permissibility of sign for numerical element type

Decimal places: Maximum number of decimal places for numerical element type

Value range list: Lists the permissible values of the data field for enumeration types.

The representation of the element in the .TXT format is carried out numerically by giving the consecutive number of the current value, in the .XML-format the value is given directly as a string.

Comment: Helpful information about the data element.

Within a delivery note (FOSALfsNumber) invariant: Constant value within a delivery note number.

Note: Several delivery note numbers (FOSALfsNumber) within a document are permitted.

Product groups nonspecific: Is not belonging to the product groups (merchandise, frames)

Product groups specific: Specific for the specified product groups.

4 Fassungskatalog – Basisversion

Für den Einstieg ins Thema schlagen wir eine Basisversion für einen Katalog vor, den wir hier komplett beschreiben. Es handelt sich um einen Auszug und eine andere Zusammenstellung des oben gesagten:

Frames Catalogue – Basic Version

As an introduction to this subject we suggest a basic version for a catalogue which we will describe completely here. It is an extract and another compilation of the above:

4.1 Der KatalogHeader Fassungen und Handelswaren / The CatalogueHeader Frames and Merchandise: FSCTLG_H.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	Supplier	A	required					Name of supplier			
2	CatalogueDate	D	required					Catalogue date			
3	Country	A	required	3				International country code			
4	Currency	A	required	3				International currency code			

4.2 Der Kataloginhalt Fassungen / The Catalogue Contents Frames: FSCTLG_P.TXT or FSCTLG_F_P.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	ItemNumberInt	N	optional	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
2	ItemNumberExt	N	optional	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
3	ItemNumberExtType	E	optional				0 = Not specified	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
4	Line	A	required	3				Frames line		No	Frames
5	LineName	A	optional	30				Frames line - Designation		No	Frames
6	Model	A	optional	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		No	
7	ModelName	A	optional	30				Model-designation or item designation of the merchandise.		Yes	
8	Colour	A	optional	10				Colour		No	Frames
9	ColourName	A	optional	30				Colour designation		No	Frames
10	Size	N	optional	4	No	0		Either xx = Eye size or xxyy Eye size/Bridge or empty		No	Frames
11	SidePieceLength	N	optional	3	No	0		Sidepiece-length in mm.		No	Frames
12	Image1	X	optional					Container for Imagetype and Imagefile		Yes	

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
13	SunGlasses	A	required	10			0 = prescription frames 1 = Sunglasses	Prescription frames or sunglasses		No	Frames
14	Material	A	optional	30				Frames material		No	Frames
15	MaterialType	E	required				0 = Metal 1 = Plastic 2 = Rimless-Nylor 3 = Rimless-drilled 4 = Special	Material type for frame-finished usage		No	Frames
16	ItemGroup	E	recommended				0 = Unisex 1 = Men 2 = Women 3 = Children 4 = Sport	Item group numerical		No	Frames
17	Description	A	optional					Text description of the item			
18	ListPrice	N	optional	9	No	2		Manufacturer's list price		Yes	
19	SalesPrice	N	optional	9	No	2		Manufacturer's recommended sales price		YES	
20	ValidThru		optional					Valid through		YES	
21	ValidFrom		optional					Valid from		YES	

4.3 Der Kataloginhalt Handelsware / The Catalogue Contents Merchandise: FSCTLG_M_P.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	ItemNumberInt	N	optional	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
2	ItemNumberExt	N	optional	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
3	ItemNumberExtType	E	optional				0 = Not specified 1 = EAN13 2 = PZN 3 = UPC	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
4	ArticleGroup	A	required	30			e.g.: CL-care; cases; sidepiece; accessories; meteorological instruments	Item group, e.g. case, magnifier, etc.			
5	Model	A	required	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		YES	
6	ModelName	A	required	30				Model-designation or item designation of the merchandise. Remark for merchandise: Alternatively, the former field-name ArticleNbrName can be used.		YES	
7	Image1	X	optional					Container for Imagetype and Imagefile		YES	
8	Description	A	optional					Text description of the item			
9	ListPrice	N	optional	9	No	2		Manufacturer's list price		YES	
10	Supplier	A	optional					Name of supplier			

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
11	SalesPrice	N	optional	9	No	2		Manufacturer's recommended sales price		YES	
12	ValidThru		optional					Valid through		YES	
13	ValidFrom		optional					Valid from		YES	

5.1 Der Lieferschein mit Katalog Fassungen und Handelswaren FSCTLG_DN_F.TXT / The Delivery note with Catalogue Frames and Merchandise FSCTLG_DN_F.TXT

#	Element name	Alpha/ Numeric/ Enumeration/	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	CustomerNumber	A	required					Customer number of invoice recipient	YES	YES	
2	CustomerDeliveryNumber	A	optional					Customer number of the delivery recipient	No	YES	
3	FOSALfsNumber	A	required					Delivery note number	YES	YES	
4	FOSALfsDate	D	required					Delivery note date	YES	YES	
5	FOSAOrderONumber	A	optional					winIPRO order no.	YES	YES	
6	FOSAOrderODate	D	optional					Order date	YES	YES	
7	BookingType	E	required				0 = Delivery 1 = Catalogue 2 = Return-delivery request 3 = Webshop-sale	Booking type	YES	YES	
8	QuantityDelivered	E	required					Order qty.			
9	Remark	A	optional					Remark for order, order feedback (contains error message for order errors)		YES	

#	Element name	Alpha/ Numeric/ Enumeration/	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
10	ConsignmentStock	E	optional				0=No 1=Yes	Consignment products (Yes/No)		YES	
11	ItemNumberInt	N	optional	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
12	ItemNumberExt	N	optional	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
13	ItemNumberExtType	E	required, if ItemNumberExt executed				0 = Not specified 1 = EAN13 2 = PZN 3 = UPC	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
14	Line	A	required	3				Frames line Must be an unambiguous line-ID from the global line-list of the catalogue version (still to be agreed)		No	Frames
15	LineName	A	optional	30				Frames line - Designation		No	Frames
16	Model	A	required	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		YES	
17	ModelName	A	optional	30				Model-designation or item designation of the merchandise. Remark for merchandise: Alternatively, the former field-name ArticleNbrName can be used.		YES	
18	Colour	A	optional	10				Colour	YES	No	Frames

#	Element name	Alpha/ Numeric/ Enumeration	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
19	ColourName	A	optional	30				Colour designation		No	Frames
20	Size	N	optional	4	No	0		Either xx = Eye size, or xxbb with xx = Eye size and bb = Bridge or empty		No	Frames
21	SidePieceLength	N	optional	3	No	0		Sidepiece-length in mm.		No	Frames
22	Image1	X	optional					Container for Imagetype and Imagefile	YES		
23	Weight	N	optional	4	No	1		Weight in g		No	Frames
24	SunGlasses	A	required	10			0 = prescription frames 1 = Sunglasses	Prescription frames or sunglasses		No	Frames
25	Material	A	optional	30				Frames material		No	Frames
26	MaterialType	E	required				0 = Metal 1 = Plastic 2 = Rimless-Nylor 3 = Rimless-drilled 4 = Special	Material type for frame-finished usage		No	Frames
27	ItemGroup	E	recommended				0 = Unisex 1 = Men 2 = Women 3 = Children 4 = Sport	Item group numerical		No	Frames
28	ListPrice	N	required	9	No	2		Manufacturer's list price	YES		
29	Netprice	N	recommended	9	No	2		Net price	YES		
30	SalesPrice	N	optional	9	No	2		Manufacturer's recommended sales price	YES		

#	Element name	Alpha/ Numeric/ Enumeration/	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
31	Discontinued	E	optional				0=No 1=Yes	Discontinued model (cannot be ordered anymore)		YES	
32	ValidThru		optional					Valid through		YES	
33	ValidFrom		optional					Valid from		YES	
34	ArticleGroup	A	required for merchandise	30			e.g.: CL-care; cases; sidepiece; accessories; meteorological instruments	Item group, e.g. case, magnifier, etc.			

6 Das Report-Dokument

Im Report Dokument kann über Verkäufe oder Bestände oder beides informiert werden.

The Report Document

In the Report Document, information about sales or stock or both can be contained.

6.1 Der Abverkaufsbericht Fassung und Handelsware / The Sales Report Frame and Merchandise: FSREP_F_nnnnnnnn_nnnnn.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	ReportNumber	N	required	9	No	0		Report number, created by the business software			
2	Cnumber	A	required					Customer number of the delivery recipient		YES	
3	ReportDate	D	required					Report date			
4	Rtime	N	required	hh:mm:ss				Report time			
5	ItemNumberInt	N	optional	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	ItemNumberInt
6	ItemNumberExt	N	optional	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	ItemNumberExt
7	ItemNumberExtType	E	optional				"0 = Not specified 1 = EAN13 2 = PZN 3 = UPC"	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	ItemNumberExtType
8	QuantitySold	N	optional	7	YES			Quantity sold, negative: return			
9	QuantityStock	N	optional	7	No			Stock quantity			
10	QuantityStockEntry	N	optional	7	YES			+: Stock entry -: Correction stock entry			
11	QuantityReturns	N	optional	7	YES			+: Breakage, stock transfer after return -: stock transfer from			

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
12	Remark	A	optional					Remark for order, order feedback (contains error message for order errors)		YES	
13	Line	A	required	3				Frames line		NO	Frames
14	Model	A	required	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		YES	
15	Colour	A	required	10				Colour		NO	Frames
16	Size	N	required	4	No	0		Either xx = Eye size or xxyy Eye size/Bridge or empty		NO	Frames

6.2 Übersicht der Warenbewegungen, die im Abverkaufsbericht berichtet werden /
Overview of booking types that are reported in the Sales Report

Zum besseren Verständnis des Abverkaufsberichts und den darin enthaltenen Stückzahl-Feldern finden Sie hier eine Übersicht der verschiedenen Warenbewegungen (Buchungsarten), die im Abverkaufsbericht berichtet werden.

The following table shows an overview oft he stock movements (Booking Types) that will be reported in the Sales Report. This overview shall give a better understanding oft he quantities in the sales report .

#	Booking Type	Booked quantity	Stock increase / reduction	Quantity Field in the FOSA Report			
				QuantitySold	QuantityStock	QuantityStockEntry	QuantityReturns
1	Stock receipt	positive	increase			positive	
2	Stock receipt	(-) negative	reduction			(-) negative	
3	Return to supplier	positive	reduction				positive
4	Branch re-store for receiving store	positive	increase			positive	
5	Branch re-store for delivering store		reduction				positive
6	Sale	positive	reduction	positive			
7	Sale return	(-) negative	increase	(-) negative			
8	Breakage, Internal use, Stock correction	positive	reduction				positive
9	Breakage, Internal use, Stock correction	(-) negative	increase				(-) negative
10	Inventory difference	positive	increase				(-) negative
11	Inventory difference	(-) negative	reduction				positive
12	Stock receipt	positive	increase			positive	

Erläuterungen zur Tabelle / Remarks:

Booking Type	Die jeweilige Buchung, die für den Abverkaufsbericht relevant ist.
	The booking type that will be reported in the Sales Report
Booked quantity	Gibt an, ob die Stückzahl der Buchung positiv oder negativ ist.
	Indicates if the booked quantity is positive or negative.
Stock increase / reduction	Gibt an, wie sich die Buchung auf den Lagerbestand im System des Optikers auswirkt.
	Indicates if the booking results in stock quantity increase or reduction.
QuantitySold, QuantityStockEntry, QuantityReturns	Gibt das Vorzeichen der Stückzahl an, die im Abverkaufsbericht übermittelt wird.
	Bitte beachten Sie, dass das Vorzeichen von dem der Buchung (Booked quantity) abweichen kann.
	Indicates if the quantity in the sales report is positive or negative.
	Please be note that the sign can be opposite to the booked quantity.
QuantityStock	Die aktuelle Bestands-Stückzahl des Artikels zum Zeitpunkt der Berichtserstellung.
	Quamtity on stock oft he item at the time when the report is generated.

6.3   Der Abverkaufsbericht als Inventur-Bericht / The Sales Report as Inventory Report

Der Abverkaufsbericht kann auch dazu genutzt werden, den aktuellen Bestand aller Artikel im Lager zu berichten. Voraussetzung ist das Durchführen einer Inventur. Am Ende der Inventur wird im System ein sogenannter Inventur-Abschluss gebucht. Im nächsten Bericht werden alle Artikel aufgeführt, für die ein Inventur-Abschluss gebucht wurde. Das Feld *QuantityStock* gibt die Stückzahl des jeweiligen Artikels an.

The sales report can be used to report stock quantities off all items on stock. An Inventory is required. At the end oft he inventory the system books an Inventory closing for every item on stock.

The next report will contain all items that have been booked as Inventory closing. The field QuantityStock reports the quantity on stock for each item.

7 Das Bestelldokument

Bestellungen sind immer entweder für Fassungen oder für Handelswaren zu erstellen. Sie unterscheiden sich durch ihre Bezeichnung: FSORD_F und FSORD_M

Der Artikel wird eindeutig identifiziert – entweder durch die induzierten Nummern oder die ItemNumberInt oder die ItemNumberExt (EAN13, PZN, UPC).

The Order Document

Orders are to be created always either for frames or for merchandise. In the text format they are distinguished by their designation: FSORD_F and FSORD_M

The item is unambiguously identified – either by the induced numbers or the ItemNumberInt or the ItemNumberExt (EAN13, PZN, UPC).

7.1 Der BestellHeader Bestellung Fassung / The order header Frame Order: FSORDR_H.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	OrderNumber FOSAOrderOrderNumber FOSAOrderONumber	N	required	9	No			Order number created by the business software.			
2	CustomerNumber FOSAOrderCNumber	N	required					Customer number of invoice recipient	YES	YES	
3	FOSAOrderODate FOSAOrderOtype	D	required					Order date	YES	YES	

7.2 Der Bestellinhalt: Bestellung Fassung / The order content Frame Order: FSORDR_P.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note	Product group unspecific	Product group specific
1	Line	A	required	3				Frames line Must be an unambiguous line-ID from the global line-list of the catalogue version (still to be agreed)		No	Frames
2	Model	A	required	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		YES	
3	Colour	A	required	10				Colour		No	Frames
4	Size	N	required	4	No	0		Either xx = Eye size or xxyy Eye size/Bridge or empty		No	Frames
5	SidePieceLength	N	optional	3	No	0		Sidepiece-length in mm.		No	Frames
6	ItemNumberInt	N	required	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
7	ItemNumberExt	N	required	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
8	ItemNumberExtType	E	required				0 = Not specified 1 = EAN13 2 = PZN 3 = UPC	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
9	QuantityOrder	N	required	7	YES			Negative order quantity: cancellation			
10	Commission	A	optional	30				Commission name or number			
11	Remark	A	optional					Remark for order, order feedback (contains error message for order errors)		YES	

7.3 Der BestellHeader Bestellung Handelsware / The order header Merchandise Order: FSORDR_H.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	CustomerNumber	A	required					Customer number of invoice recipient	YES	YES	
2	FOSAOrderODate	D	required					Order date	YES	YES	
3	OrderNumber FOSAOrderOrderNumber	N	required	9	No			Order number created by the business software.			

7.4 Der Bestellinhalt: Bestellung Handelsware / The order content: Merchandise Order: FSORDR_P.TXT

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	QuantityOrder	N	required	7	YES			Negative order quantity: cancellation			
2	Remark	A	optional					Remark for order, order feedback (contains error message for order errors)		YES	
3	Commission	A	optional	30				Commission name or number			
4	ItemNumberInt	N	required	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
5	ItemNumberExt	N	required	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
6	ItemNumberExtType	E	required				0 = Not specified 1 = EAN13 2 = PZN 3 = UPC"	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
7	Model	A	required	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used.		YES	
8	ModelName	A	required	30				Model-designation or item designation of the merchandise. Remark for merchandise: Alternatively, the former field-name ArticleNbrName can be used.		YES	

8 Die Bestellantwort

Bestellantworten sind immer entweder für Fassungen oder für Handelswaren zu erstellen. Sie unterscheiden sich durch ihre Bezeichnung:

The Order Reply

Order replies are to be created always either for frames or for merchandise. In the text format they are distinguished by their designation.

8.1 Das Dokument: Bestellantwort Fassung und Handelsware / The Document: Order Reply Frame and Merchandise:

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
1	CustomerNumber	A	required					Customer number of invoice recipient	YES	YES	
2	FOSALfsNumber	A	optional					Delivery note number	YES	YES	
3	FOSAOrderODate	D	required					Order date	YES	YES	
4	OrderNumber FOSAOrderOrderNumber	N	required	9	No			Order number created by the business software.			
5	OrderStatus	E	required				0 = Accepted 1 = Shipping 2 = Error				
6	ShippingDate	D	optional					Shipping date			
7	Remark	A	optional					Remark for order, order feedback (contains error message for order errors)		YES	
8	Commission	A	optional	30				Commission name or number			
9	ItemNumberInt	N	optional	20	No	0		Internal item number at supplier; not EAN13 or the like		YES	
10	ItemNumberExt	N	optional	20	No	0		External item number, e.g. EAN13, PZN, UPC		YES	
11	ItemNumberExtType	E	optional				0 = Not specified 1 = EAN13 2 = PZN 3 = UPC	Type of the external item number. PZN (Pharmacy Central Number = identification number for pharmaceutical products in Germany)		YES	
12	Line	A	optional	3				Frames line Must be an unambiguous line-ID from the global line-list of the catalogue version (still to be agreed)		No	Frames

#	Element name	Alpha/ Numeric/ Enumeration/ Date	optional/ required	Max.length	Sign	Decimal places	Value-range list	Comment	Within a delivery note (FOSALfsNumber) invariant	Product group unspecific	Product group specific
13	Model	A	optional	10				Frames model or item number of the merchandise. Remark for merchandise: Quite often, the internal item number of the supplier is used. Alternatively, the former field-name ArticleNbr can be used."		YES	
14	Colour	A	optional	10				Colour		No	Frames