

# **B2B Interface Description**

# **Materials Control**

**Export Purchase Orders**



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Date: November 18th 2003

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## 1. Remark

The format below does not describe a standard export of purchase orders. We discovered that there is not unique standard for this purpose. This format was developed based on our experiences to enable a simple and „easy-to-implement“ data exchange.

But it is still our intension to use a format which is independent from specific suppliers or systems.

## 2. General

The export will be done through file exchange:

- The file contains a unique number for customer identification. This number will be used to identify the customer and the delivery location

The file contains an unlimited number of records. But it is required that every record (order position) can be identified clearly. This can be done through the article number or a packing unit.

### 2.1 FILE CONVENTIONS

The following conventions will be used for the preparation of the file:

- 1) The file will be defined as ASCII text file (Microsoft-CSV-Datei)
- 2) Records will be separated with CR+LF or ASCII-Code 13 and 10
- 3) Fields will be separated with semicolon (;)
- 4) Decimal separator will be the comma (,)
- 5) Thousand separator (.) is not required
- 6) Dates will be displayed in the following format: yyyyymmdd = 4 digits for the year, 2 digits for the months, 2 digits for the day
- 7) Time values will be displayed in the format hh:mm:ss = 2 digits for the hours (0-23), 2 digits for the minutes (0-59), 2 digits for the seconds (0-59)
- 8) Text will have quotation marks at the beginning and the end. Inside the text quotation marks are not allowed.
- 9) The field length is always the maximum and does not need to be filled up with spaces.
- 10) If no information exists the empty field remains empty in the record (E.g.: empty field between Milk and Ltr: „Milk“;„Ltr“).

## 2.2 FILE AND RECORD STRUCTURE

We will use a table view for the description of the record structure. Every element will be shown in a separate line, every line contains 6 columns:

- **Pos** – sequential number defines the position of the field in the record
- **Description** – describes the element
- **M / O** – Field properties (pls. see description below)
- **Data type** – Definition of the type of the field (pls. see description below)
- **Explanation** – Detailed description of the content
- **Example** – sample data

### FIELD PROPERTIES

- M ... mandatory; this field MUST contain data
- O ... optional; this field can be filled and enables additional functionality.

### DATA TYPE

- STRING, xx ... Text field with a maximum length of xx, all text fields will be embedded in quotation marks. The text can not contain quotation marks
- NUMBER ... numeric field; negative numbers will have a leading minus (E.g.: -3)
- DATE ... Date Field; yyymmdd = 4 digit year, 2 digit month, 2 digit day
- TIME ... Time field: hh:mm = hour, minute

## 3. Purchase Order

<i>Pos</i>	<i>Description</i>	<i>M/O</i>	<i>Type</i>	<i>Explanation</i>	<i>Example</i>
<b>Order</b>					
1	Order No.	M	STRING, 20	Unique number for this document, created and assigned by MC	B20020913
2	Order Date	M	DATE	Date when the order was placed	20031118
3	Order Time	M	TIME	Timestamp when order was placed	12:05
<b>Customer</b>					
4	Customer Number	M	NUMBER	Number of the customer in the suppliers system	
<b>Order Position</b>					
5	Order Identification	M	NUMBER	Identification of the order position	
6	Position No.	M	NUMBER	Position of this article in the order	
7	Article. No.	M	STRING, 20	Article number	123456
8	Delivery Date	M	DATE	Date of Delivery	20031120
9	Order Qty	M	NUMBER	Ordered quantity in packing units	5
10	Order in Base Order Qty Units	M	NUMBER	1 = Quantity refers to Base Order Quantity Units (e.g. Can); otherwise 0 (e.g. Case a 12 Cans)	0
11	Price	O	NUMBER	Price per order unit	20
12	Discount	O	NUMBER	Discount	10
13	Information	O	STRING, 60	Add. information for this position	"Frozen"
14	Article Description	O	STRING, 60	Article name	"Test Article"
15	Order Unit	O	STRING, 60	Name of the order unit	"Case / 20kg"
16	Qty Base Unit	M	NUMBER	Quantity in base units (e.g. Kilogram)	20

## 4. File Transfer

This can be done via FTP upload or email.