

ORDERS Felddbeschreibung nM CSV 2.0 EN

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1 Structure in principle

We completed some line declarations to the already existing lines (Header and position lines) of the CSV 1.0 document. Please note that head and position lines still are mandatory – all other lines are optional.

All lines start with a declaration consisting of three numbers in order to characterise the line.

1.1 Basic Element (mandatory)

Declaration	Description
HDR	Header
POS	Position line

1.2 Extentions (optional)

Declaration	Description
ADR	Address line
TXT	Text/ note
REF	Additional information referring the line above
QNT	Qualification of a quantity quotation
PRI	Quotation and qualification of a monetary value
CON	Quotation of additional settings of positions

1.3 Conventions

General agreement	Notation for Float fields (Float, 3 signs after decimal separator)
	Decimal separator: “.” (dot)
	No further grouping patterns
	Example: 1000.000 (in words: „one thousand dot zero“)
Convention to CSV format	Separator
	The character for separator is “;” (Semikolon, ASCII _{hex} 0x3B)
	No other separator is allowed.
Convention about character encodings	Character encoding
	The character encodings US-ASCII, UTF-8, UTF-16 (Little Endian and Big Endian) and Windows-1252 are supported. ISO-8859-1 is also supported when no control characters (U+0080 to U+009F) are used.

2 Automated order process via nexmart

2.1 Order process and collection of raw data

An automated order process via nexmart starts after having placed an order,

- Manually (import of data)
- After occurrence of a certain event (event-controlled) or
- controlled by time (batch-controlled)

with collecting the raw data within your ERP system.

In order to place an order on nexmart certain information are necessary. This fields which are mandatory are marked.

In the best case all further data necessarily for the process will be completed automatically from the information deposited on nexmart. This information can be data of delivery address or other relevant references (e.g. your supplier-specific customer number).

In case you wish to use further functions at nexmart additional information of your ERP system necessary.

This relates for example:

- An alternative delivery address
- Kind of delivery,
- Desired delivery date & time,
- Your own order number,
- Additional order text.

2.2 Configuration of the connection

If you should use the element Email, the order will be send to

- basket@nexmart.de (Germany)
- basket@nexmart.at (Austria)
- basket@nexmart.ch (Switzerland)
- basket@nexmart.es (Spain)
- basket@nexmart-global.net (NL/BE/LU/Global)

The order will be shown within the menu bar under <Portal> <order center>. Here it is possible to delete the order, to transfer the order into the shopping basket and after all to send it to the supplier.

This (half)-automated way of ordering represents the preliminary stage of the so called SilentCommerce. Thus you can check if your order is complete and without errors and furthermore it deliver an insight into functions of nexmart at the same time.

After a short test period you only adjust the addressee of you order to silent@nexmart.de, silent@nexmart.at , silent@nexmart.ch, silent@nexmart.es, silent@nexmart-global.net

From now on the order process is fully automatic. No more need to access or other interventions. It's so easy to handle!

Comment about mail-orders: Because of increasing problems with spam, nexmart integrated some mechanism to avoid spasm. For that reason some versions of transmission could cause problems:

1. Mails send by a dial-up connection (e. g. analog modem)
2. Mails from not identified mail-servers.

If you encounter such problems, please contact nexmart Customer Support. You can find the current contact details at <https://www.nexmart.com/de/kontakt>.

Please make sure that you send your order as an attachment. It is not possible to send the order in the e-Mail body.

If you should prefer other transmission ways or connections please get directly in contact with us.

2.3 Transmission of data

As soon as the connection is established data will be transmitted through the favorite medium. Hereby the files are usually protocolled with:

- Send-status,
- MessageID,
- Date,
- Numbers of blocks
- And other identification (e.g. transaction numbers)

2.4 Work steps

- (1) The ERP system generates a list which will be stored as e.g. table in a database or as flatfile (ASCII) on a local file system.
- (2) Within certain time intervals (batch-controlled) or as result of a certain events (event-controlled) the ERP system will be told to process a data-transmission to nexmart.
- (3) The content of the table (a flatfile) will be imported and converted into one of the standardized or nexmart-compatible formates and the header will be generated. An unique code will be inserted to the header (field H3) and stored as a file.
- (4) Afterwards an Email with the particular country domain e.g. basket@nexmart.de will be generated and the file will be send as an attachment. Another possibility is to store the file into the folder "orders" on your FFTP Account.

2.5 Import of returning order confirmations

The order confirmation returns from nexmart in the same standardized data file of the order and the medium of transmission. Notwithstanding you can choose between Email and FTP for returning the message while using the transmission way on FTP.

In the next step these will be processed by reference, enrichment or aggregation on the data level. At this point the information returned is assigned to the initiating order and the status returned of each position. Further rules (Business Rules) can be integrated, e.g. deposition of other alternatives. As data are now available in the ERP system structure they are stored automatically at the corresponding places.

2.6 Illustration of returned information to nexmart

In order to make the results visible to the responsible person the information gained are edited and issued on a graphical user interface (GUI). Now you can see the status of your online-order in a common way of your ERP system display surface.

3 Field definitions

3.1 Header (HDR)

Please note that the header appear just once within the document.

Possible Sub-Declarations are:

- » TXT (accompanying) text
- » ADR Quotation of several addresses
- » REF links to external references

Index	Field	mandatory/optional	Type	Description
H1	Line type	mandatory	CONST "HDR"	Alphanumeric identification for the declaration of a header
H2	Document type	mandatory	CONST "ORD"	The present document shows an order respectively an acknowledgment of order. The order and the acknowledgment of order can be identified through the type „ORD“.
H3	Version number	mandatory	CONST "2.0"	Numerical constant which describes the version number
H4	Message-ID	mandatory	CHAR [128]	The field is filled with an "Unique Key" from the generation system. This key is a unique, automatically produced key that avoids a double processing if data receive the target Host. In the simplest case this can be a String consisting of an IP address, date and time. The explicit value "NOID" describes that an identification of a duplicate is not desired. An empty field will be processed as an error. If no examination shall be done please define the constant "NOID".

Index	Field	mandatory/optional	Type	Description
H5	Supplier	mandatory	CHAR [35]	Here a description about the technical supplier is stored. This can be an alphanumeric value (technical seller name) or a number of 13 characters. A numeric value will be interpreted as an GLN.
H6	Customer ID	mandatory	CHAR [13]	It will be differentiated between alphanumeric and numeric numbers as well. The alphanumeric value starts with a "B", followed by the abbreviation of the country "DE", "AT", or "CH" and a number of 6 characters. The numeric value with 13 characters will be interpreted as an GLN.
H7	Personalization	optional	CHAR [35]	Here the user name is related with the nexmart Account. This means the value is mandatory if the description of the nexmart BuyerCompany (BDE) has been set in the field mentioned before (H6, Customer ID). The value consists of surname and last name separated through a dot. In this case the value pair (H6 + H7) is the login name for the portal.
H8	Customer number	optional	CHAR [35]	The customer number consists of the following combination: the Customer ID (the ID the customer has from the supplier) and the element H9.
H9	Customer name	optional	CHAR [35]	The value pair H8 and H9 is a reference of further data stored on the portal. The value pair is just relevant if several value pairs (supplier accesses) are stored within the field H5 of the defined manufacturer.
H10	Order number	optional	CHAR [250]	The order number declares the order identification in the generated system of the customer.
H11	Orderdate	optional	DATETIME	Orderdate

Index	Field	mandatory/optional	Type	Description
				Day (Format: yyyyMMdd) Calendar week (Format: yy'W'ww) >> will be mapped on Monday Month (Format: yyyy-MM) will be mapped on the first day of the month Time (Format: yyyy-MM-dd'T'HHmm) >> not available on nexmart; Format is accepted and will be mapped on the day The interpretation of the time will be identified on the basis of the format. If the content of the field should not correspond to a defined sample, it will be rejected as incorrect.
H12	Terms of Transport	optional	ENUM	Description of several delivery ways the supplier offer. The following options are possible: NORML Normal delivery - the goods will be send on the normal way in a standard time EXPR Express delivery – the goods will be send in an express way (also possible for incoming orders is “EXPRS”) DDELD desired delivery date – the delivery of goods take place on a special date PICKUP - pickup of the goods from the customer If the field should not be filled out the kind of delivery is automatically set as „normal delivery“ (default). CONSI Consignation – Articles are part of a special stock at the suppliers inventory RELES Release - The order will be taken out of a master agreement
H13*	Delivery date (from)	optional	DATETIME [x]	The delivery date is just considered if a desired date of delivery is set in field H11. The date corresponding to ISO 8601 can be mapped out as follows:

Index	Field	mandatory/optional	Type	Description
				Day (Format: yyyyMMdd) Calendar week (Format: yy'W'ww) >> will be mapped on Monday Month (Format: yyyy-MM) will be mapped on the first day of the month Time (Format: yyyy-MM-dd'T'HHmm) >> not available on nexmart; Format is accepted and will be mapped on the day The interpretation of the time will be identified on the basis of the format. If the content of the field should not correspond to a defined sample, it will be rejected as incorrect. >> is not in process from nexmart
H14	Delivery date (until)	optional	DATETIME [16]	Process of a time slot (just if a time slot is declared in the field H11) The formats are equal with element H12.
H15	Kind of delivery	optional	CHAR [35]	Describes the way of delivery. SELF Pickup - the customer pick up the goods from a specific storage location PACK package - Delivery will be done through a delivery service EXPR Express – Express delivery (Courier) LOGS Freight forwarder - logistical execution from a forwarding company/ train SPEC Intra-company transportation. Delivery occurs through company's means of transport. This option is supported just from some supplier.
H16	Name	optional	CHAR [64]	Name of responsible person or responsible department >> is not in process from nexmart

Index	Field	mandatory/optional	Type	Description
H17	Name2	optional	CHAR [64]	Further information referring the definition of the contact >> is not in process from nexmart
H18	Telephone	optional	CHAR [32]	Telephone number >> is not in process from nexmart
H19	Fax	optional	CHAR [32]	Fax number >> is not in process of nexmart
H20	E-Mail responsible person	optional	CHAR [60]	E-Mail address from the responsible person (is important in order to send an error note) >> will be handed over but not shown or modified on nexMart
H21	Flag foreign delivery note	optional	CONST [TRUE]	Instruction that the delivery note must be printed with the data from the orderer within the header. >> will be handed over but not shown or modified on nexmart
H22	Flag complete delivery note	optional	CONST [TRUE]	Note if the delivery is a complete delivery. If the delivery Flag is not set on TRUE it is assumed automatically that delivery can occur as a complete but also as a partial delivery. >> will be handed over but not shown or modified on nexmart
H23	E-Mail order acknowledgement	optional	CHAR [60]	E- Mail address in order to receive order acknowledgements from the portal. If this field should not be filled out, the E-Mail address of the responsible person will be used. >> nexmart can process one address at the moment

Index	Field	mandatory/optional	Type	Description
H24	Portal Ordernumber	optional	CHAR [250]	Ordernumber given by the portal nexmart
H25	VatID	optional	CHAR [32]	legally registered international ValueAddedTax ID

* When the order confirmation (CSV outgoing) is used, the format YYYY-MM-DDTHH:mm is always used for the date

Advise about the handling of the delivery notes:

Not all merchandise management systems and purchasers are able to correctly specify the shipping types in possible combinations.

In addition to the defined spellings, the following rules apply:

1. Input at nexmart:

delivery date (with date)

will be delivery date at nexmart

2. Input at nexmart:

normal delivery (with/without date)

no shipping info (without date)

delivery date (without date)

will be normal delivery at nexmart

3. Input at nexmart:

express delivery (with/without date)

will be express delivery at nexmart

4. Input at nexmart:

pickup (with/without date)

will be pickup at nexmart

3.2 Position line (POS)

It is possible that a position line can occur 999 times. Please note that a position line must be available at least one time.

Possible Sub declarations are:

- » QNT Declaration of units
- » CON Additional settings on positions
- » PRI Quotation of prices
- » TXT accompanying text
- » REF links to external references

Index	Field	mandatory/optional	Type	Description
P1	Line type	mandatory	CONST "POS"	Introduce a position line
P2	Status (nexmart)	optional	ENUM	This value will be filled while processing. If the field should be filled out the content will be ignored respectively deleted. The status will be set from nexmart during the day (if an ERP connection is available). A blank within this line stands for an unprocessed position. Within the detail the following status is shown: 0 Article is available 1 Article is partly available 2 Article is not available 3 No information possible 4 No connection to supplier 5 Not bookable 6 An error occurred while processing
P3	Position number	mandatory	CHAR [50]	By means of this information, links will be built up for all following transactions. Unique identification within the position of a document.
P4	EAN Code	optional	CHAR [13]	The EAN Code is the leading ID in order to identify the product on the portal. Alternatively this information can be filled in the field P5 as a manufacturer article number. Please note that this field is necessary in order to find a product.
P5	Article number	optional	CHAR [20]	This is the article number from the supplier. If the field P4 is not filled out please note that this field must contain an information.
P6	Catalogue	optional	CHAR [20]	Catalogue article number from the supplier. >> is not in process from nexmart

Index	Field	mandatory/optional	Type	Description
	reference			
P7	Catalogue number	optional	CHAR [50]	Number/ Description/ Version of the supplier catalogue corresponding field P6. >> is not in process from nexmart
P8	Quantity	mandatory	FLOAT [8.3]	Number of requested articles. Please note that a decimal separator (a comma “,”) and decimal places are omitted on whole-numbered values. Group-separators (with 1000 characters) are NOT allowed.
P9	Date of delivery	optional	DATETIME [x]	Date the articles must be delivered (Consisting of: Day, Calendar Week or Month). If the field is filled out - equivalent header information will be signed over - the desired delivery date (DDELD) will be set Valid formats are listed under H12.
P10	Order number (supplier)	optional	CHAR [250]	This field is filled out with the order number from the supplier. While storing the order in the ERP system this field comes into operation and just plays a role for received order acknowledgements. Please note that the content will be ignored.
P11	Flag free positions	optional	CONST [TRUE]	If it is not possible to liquidate a position in the catalogue on the portal nor in the manufacturer ERP system, a flag will be set because this is a free position. This flag is up on all customers with individual article claim data from the supplier. >> This field is not in process – just relevant for the order acknowledgment.
P12	Flag minimum	optional	CONST	This field is used in order to revoke the standard packaging size. Please note that this option is just supported from some

Index	Field	mandatory/optional	Type	Description
	quantity		[TRUE]	supplier. >> is not in process from nexmart
P13	Flag sub position	optional	CONST [TRUE]	If the value TRUE is set this POS line will be interpreted as a sub position and allocated to the leading position, limited to the following fields: Position number (P3), quantity (P8) and date of delivery (P9). Should the quantity of the leading position and quantity sums of all sub-positions be different the process will be canceled. Lines describing additional data (e.g. text (TXT)) will be ignored. The number of sub positions is restricted on five positions. Further lines will be ignored. >> is not in process from nexmart

3.3

Amplified line types (CSV 2.0)

3.3.1 Address (ADR)

- » Frequency within the header line: 0 .. 6 times
- » Repetition per reference type: 1 time
- » Specific features: multiple repetitions will be ignored – just the first declaration will be processed.

Index	Field	mandatory/optional	Type	Description
A1	Line type	mandatory	CONST "ADR"	Declare the line as a description of an address line.

Index	Field	mandatory/optional	Type	Description
A2	Reference type	mandatory	ENUM	Contents can adopt the following characteristics: This lines always refers to the forego header or position line. SND Address of sender (orderer) RCV Address of receiver (manufacturer/ supplier) FIN Address of the end customer INV Invoice address DEL Delivery address LOC Versandtort
A3	Designator	mandatory	CHAR [64]	Can be the name of the receiver or an GLN with 13 characters.
A4	Name2	optional	CHAR [64]	Just if the field A3 contain no GLN
A5	Name3	optional	CHAR [64]	
A6	Street	optional	CHAR [64]	Street and number
A7	Zip Code	optional	CHAR [5]	Zip Code
A8	Town/ City	optional	CHAR [64]	Town/ City
A9	Country	optional	ENUM	Country code (ISO 3166)

Addresses of one-time-delivery must have the following fields filled (due to processes): A3, A6, A7, A8, A9

3.3.2 Text (TXT)

- » Frequency within the header line and position line: 0 ... 6 times
- » Repetition per reference type: 1 time

Index	Field	mandatory/optional	Type	Description
T1	Line type	mandatory	CONST "TXT"	Declares the line as a note.
T2	Reference type	mandatory	ENUM	This line always refers to the foregoing header or position line. The text can be interpreted as follows: CMS Commission text RCV Text is intended for the receiver (in this case the manufacturer/ supplier) DEL Notes for the article receiver (notes for stock receipts) SVC News for nexmart DSC Description of the article shown in the position line SEN Comment from supplier to sender. The comment is based on information out of the ERP-system and will be written in the order response to the dealer. >> The line type SVC is just valid for the header line
T3	Text	mandatory	CHAR [1024]	Free field in order to write down a text

3.3.3 Reference (REF)

- » Frequency per header and position line: 0 .. 7 times
- » Repetition per reference type: 1 time
- » Specific features: position data describing the header data

I n d e x	Fiel d	man dator y/ optio nal	Type	Description
R 1	Line type	mand atory	CONS T "REF"	Declares the line as an external reference.
R 2	Ref ere nce type	mand atory	ENUM	This line always refer to the forego header and position lines. The content can be as follows: MSG_FC Order number in the system of the customer CST_FC Customer number of end customer from the manufacturer OBJ Object number CHG Charge number SUP_FC Supplier declaration of the orderer to the end customer ART Reference referring article numbers in the system from the orderer. ART_FC Link in order to identify the article at the end customer CBHF states that sth. reference to a configurable shopping basket case field.
R 3	Text	mand atory	CHAR [64]	Field in order to absord the value If the reference type CBHF is marked in field R2 please note that the name of the CBHF must be filled in and must be identical with the one configured in BOO.
R 4	Text	optio nal	DATE TIME [16]	In correspondance with the field MSG FC this field (R4)contain the order date. In connection with the reference type CBHF the value of the field is in text form. The verification of the field will be done by eMart by means of a configuration.

3.3.4

Quotation of prices (PRI)

- » Frequence within header and position line: 0 .. 6 times
- » Repetition per reference type: 1 time
- » Specific features: This line just will be filled out from the supplier in order to inform about the processing result. Inputs whileordering will be ignored.

In d ex	Field	manda tory/ option al	Type	Description
M 1	Line type	manda tory	CONS T "PRI"	Describes the following information as monetary allegation.
M 2	Refer ence type	manda tory	ENUM	PCE Single price SUM positions- / or total sum PER_INC percentage surcharge PER_DEC percentage markdown ABS_INC absolute surcharge ABS_DEC absolute markdown
M 3	Value	manda tory	FLOA T[8.3]	Values (all values besides SETU – in this case the quantitative allocation of the position line (QUANTITY) will be related)
M 4	Curre ncy	option al	ENUM see appen dix	>> is processed just on header line from nexmart

3.3.5

Declaration of quantity units (QNT)

- » Frequency within position line: 0 .. 4 times
- » Repetition per reference type: 1 time
- » Specific features: If the reference type is MTRC (metrical measurement) this declaration can repeat three times.

In de x	Field	manda tory/ option al	Typ e	Description
U 1	Line type	mandat ory	CO NS T	Describes the definition of quantity

In de x	Field	manda tory/ option al	Typ e	Description
			"Q NT"	
U 2	Refer ence type	mandat ory	EN UM	SETU ordered unit MTRC measurement unit LOGT packaging unit / packaging size PRIC price unit / quantity price >> is not in process from nexmart
U 3	Refer ence size	mandat ory	x	Content of this field is the relation of the quantity quotation which belongs to the position field P8. Depending from the reference type the following values are given: Ordered unit (see appendix) Metrical unit (see appendix) Packaging size of numerical values > 0: e.g. 100 = 100 pieces per package Price unit: Price per size/ absorbance exponent e.g. PE2 = price per hundred

3.3.6

Additional settings on positions (CON)

- » Frequency within position line: 0 .. 5 times
- » Repetition per reference type:
 - Referring COLOR: 1 times
 - Referring CONDIT: 4 times

In de x	Field	manda tory/ option al	Type	Description
C 1	Line type	mandat ory	CON ST "CON "	Describes a definition of additionally settings.

In de x	Field	manda tory/ option al	Type	Description
C 2	Refer ence type	mandat ory	ENU M	COLOR Definition of colures CONDIT A condition in which a line type can occur several times per position
C 3	Code	mandat ory	CHA R[64]	This field can contain an alphanumeric value as a reference for a setting on a position e.g. color identification
C 4	Text	mandat ory	CHA R[64]	Additional information referring a characteristic.
C 5	Charg e	mandat ory	CHA R[64]	States a charge that corresponds to a characteristic. E.g. the charge of a color of one position.

4

An example of a structure

```
HDR;ORD;2.0;269;tequip;999999999;Jens.Stahl;9009;Stahl;1561;20050101;EXPR;2005-12;2005-12;PACK;;;;;;;;;true;jens.stahl@muster.de;
ADR;SND;999999999999999;Stahl GmbH;Stahl;Musterstr. 14;70000;Musterstadt;DE;
TXT;DEL;Accounting is made as agreed;
REF; MSG_FC;Auftrag angenommen;20051120;
```

```
POS; ;001;1234567891234;11101;101;12b;150;20051123;8001; ; ; ;
QNT;SETU;PCE;
CON;COLOR;A658C7;grey;Z564;
PRI;PCE;1000;EUR;
TXT;DSC;Description of the article listet in the position line;
REF; ART_FC;Z926D98;;
```

4.1 Header level

4.1.1 Header line (HDR) – mandatory

HDR;ORD;2.0;269;tequip;BDE999999;Jens.Stahl;9009;Stahl;1561;EXPR;2005-12;2005-12;PACK;;;;;;;;;true;jens.stahl@muster.de																		M
H1	M	Contact data from the responsible person																
H2	M	Document type																
H3	M	Version number of CSV																
H4	M	Message ID																
H5	M	Supplier name																
H6	M	Manufacturer ID / GLN																
H7	K	Login name																
H8	K	Customer number																
H9	K	Customer name																
H10	K	Order number																
H11	K	Orderdate																
H12	K	Supplier																
H13	K	Deliverydate from																
H14	K	Deliverydate until																
H15	K	Kind of transport																
H16-21	K	Contact data from the responsible person																
H22	K	Flag Complete delivery																
H23	K	E-Mail for order acknowledgement																
H24	K	Portal Ordernumber																

4.1.2 Address line (ADR) - optional

ADR;SND;999999999999;Stahl GmbH;Stahl;Musterstr. 14;70000;Musterstadt;DE;										K
Declaration of the address line	Reference, orderer address	Name/GLN of receiver	Additional name	Additional name	Street and number	Zip code	Town	Country, Country Code (ISO 3166)	Address line is optional. If this line should be used the elements A1 (line type), A2 (reference type) and A3 (identifier) are obligatory and must be filled out. The remaining elements in this line are optional and can be filled out. Addresses of one-time-delivery must have the following fields filled (due to processes): A3, A6, A7, A8, A9	
A1 M	A2 M	A3 M	A4 K	A5 K	A6 K	A7 K	A8 K	A9 K		

4.1.3 Text (TXT) – optional

TXT; DEL; Accounting is made as agreed;				K
Declaration of the line	Reference DEL = note for the receiver	Text, note		The text line is optional. If the line should be used the elements T1 (line type), T2 (reference type) and T3 (text) are obligatory and must be filled out.
T1 M	T2 M			

4.1.4 Reference (REF) – optional

REF; MSG_FC; Order accepted;20051120;					K
Declaration of the line	Reference MSG_FC = order number from the supplier	Text, note		Order date	The reference line is optional. If the line should be used the elements R1 (line type), R2 (reference type) and R3 (text) are obligatory and must be filled out. The element R4 (text) is optional. The element R4 (Text) for additional information is optional unless R2 is not CHBF – otherwise field R4 is a mandatory field (see example 3.1.5).
R1 M	R2 M			R4 K	

4.1.5 Reference (REF) Example of commission number – optional

REF; CBHF;Kommissionsnummer;1234567;					K
	Declaration of the line	Reference CBHF=	Name identical with the configured name in BOO	Value of the field	The reference line is optional. If this line should be used elements R1 (line type), R2 (reference type) and R3 (text) are mandatory fields and must be available. The element R4 (text) for additional information is optional unless R2 is not CHBF - otherwise field R4 is a mandatory field.
R1	M	M	M	M	
R2	M	M	M	M	
R3	M	M	M	M	
R4	M	M	M	M	

4.2 Position levels

4.2.1 Position lines (POS) – mandatory

POS: ;001;1234567891234;11101;101;12b;150;20051123;8001;;; ;												M
	Declaration of the position											
P1	M	K	M	K	K	K	M	K	K	K	The position line is an obligatory line and must be available at least once. The elements P1 (line type), P3 (position number) and P8 (quantity) within the position line are obligatory and must be available for each position line. All other elements within the position line are optional.	
P2	K	K	M	K	K	K	M	K	K	K		
P3	M	K	M	K	K	K	M	K	K	K		
P4	K	K	M	K	K	K	M	K	K	K		
P5	K	K	M	K	K	K	M	K	K	K		
P6	K	K	M	K	K	K	M	K	K	K		
P7	K	K	M	K	K	K	M	K	K	K		
P8	M	K	M	K	K	K	M	K	K	K		
P9	K	K	M	K	K	K	M	K	K	K		
P10	K	K	M	K	K	K	M	K	K	K		
P11	K	K	M	K	K	K	M	K	K	K		
P13	K	K	M	K	K	K	M	K	K	K		

4.2.2 Quantity units (QNT) – optional

QNT;SETU;PCE;				K
M	Declaration of spare parts	M	Reference SETU = quantity unit	The line quantity units are optional. If the line should be used the elements U1 (line type), U2 (reference type) and U3 (reference value) within the position line are obligatory and must be available. A list of all accepted quantity units can be seen in chapter 5.2
M		M	Reference value PCE = pieces	
U1		U2	U3	

4.2.3 Additional settings (CON) – optional

CON;COLOR;A658C7;grey;Z564;						K
M	Declaration of additional settings	M	Reference. COLOR = Colour input	M	Colour code	The line additional settings are optional. If the line should be used the elements C1 (line type), C2 (reference type) and C3 (Code), C4 (text) and C5 (Charge) are obligatory and must be available.
C1		C2		C3		
				C4	Additional Information	
				C5	Charge	

4.2.4 Price quotations (PRI) – optional

PRI;PCE;1000;EUR;						K
	Declaration of price line	Reference	Value	Currency	The line price quotations are optional. If the line should be used the elements M1 (line type), M2 (reference type) and M3 (Value) are obligatory and must be available. The element M4 (Currency) is optional. A list of all accepted quantity units can be seen in chapter 5.3	
M	M	M	M	K		
M1	M2	M3	M4			

4.2.5 Text (TXT) - optional

TXT;DSC; Description of the article listed in the position line;				K
T1	M	Declaration of text line	Text, note, Description of the article	
T2	M	Reference CSC = Description of the article		
T3	M			

The text line is optional. If the line should be used the elements T1 (line type), T2 (reference type) and T3 (text) are obligatory and must be available.

4.2.6 Reference (REF) – optional

REF; ART_FC;Z926D98;;				K
R1	M	Declaration of reference line	The text line is optional. If the line should be used the elements R1 (line type), R2 (reference type) and R3 (text) are obligatory and must be available. The element R4 (text) is optional for additional information.	
R2	M	Reference ART_FC = Link to an article identification for end customer		
R3	M	Text, note, article identification		
R4	K			

5 Further examples

5.1 Short example

[illegible]

Header line

The purchaser *Markus Muster* (corresponding to number ID *BDE000000*) orders three positions from the supplier *Tequip*.

Position lines

Markus Muster orders 5 times the first position of a product (ID 0001) from Tequip (0815-40). The quantity unit will be identified while synchronizing the catalogue on the portal.

Within the second position 1,25 basic units of a product will be ordered which is declared 4000000000000 through the EAN Code. The allocations of quantity units also occur through the reference from the catalogue on the portal.

The third position contains an EAN code (see 2nd position) and a manufacturer article number (see 1st position). In this case an EAN Code will be processed preferably. If an EAN code is not known on the portal, a search for the data set (manufacturer article number) will be processed.

5.1.1 Example with extensions

```
HDR;ORD;2.0;MsgID;9876543210987;BDE999999;Jens.Stahl;MyCuNo;MyDesc;AuftrNR;;EXPR;;;Herr
Münster;ASP Tequip;0123/4567;;herr.muenster@eisen.de;TRUE;TRUE;ret@eisen.de;info@eisen.d
e;
ADR;INV;9876543210987;
TXT;DEL;Accounting is made as agreed;
POS;;;0001;;0815-40;;;5;
QNT;SETU;PCE;
TXT;DEL;Please make an appointment with Mister Meier;
TXT;DSC;Spare part KR-45;
```

```
POS;;0002;4000000000000000;;;1.250;;;TRUE;;;
TXT;CMS;in case of a commission, all information would be listed here;
POS;;0003;4000000000000003;0815-60;;;2;
REF;ART_FC;ForeignValue;
CON;COLOR;A1A1A1;colour grey;Web-216-Palette
```

Header lines

In order to identify a company as well as the receiver of the goods an GLN (Global Location Number) is used. If an GLN is given, the number will be equalized in the portal. Now the order will be placed with the following information: BDE000000 (GLN: 1234567890123), supplier Tequip (GLN: 9876543210987).

In order to assure no double booking of an order, a message ID is set.

As Mr. Mustermann's manager wants to distinguish all orders according to branches he has several customer numbers from Tequip. Mr. Mustermann allocates his order to the customer number of his branch now. Due to security reasons it is necessary to fill in a name because the data will be examined on the portal now. Just if this value pair has an unique reference on the portal (name must be stored on the portal) the order will be send to Tequip automatically.

The internal order number given while generating the order may not be missed.

As the purchase of the goods is urgent, the delivery must occur via express. Furthermore contact data of the responsible person will be send as well.

Furthermore the goods must be send as a package.

As the result of the transaction shall be process automatically on the portal, the Email address (ret@eisen.de) must be deposited. Additionally Mr. Mustermann wants to have a copy of the order acknowledgment as well into his personal account (info@eisen.de). The result contain the delivery address of the end customer with the complete address, an invoice address with an GLN (Presupposition: The reference must be deposited on the portal) as well as a notice on header level.

Position lines

First position will be initiated with the POS line. In this case an unique reference will be processed in order to interpret quantity information on the QTY line. (Referring this example the quantity is 'pieces') The text lines represent a notice corresponding a position for the receiver and a description of the article.

The second position starts with the next POS line contain a Boolean with the characteristic TRUE. Herewith the portal does not need to examine the article ID within the catalogue on the portal. The declaration of the position will be finished with commission information.

The third position has been extended about one external reference that represents an article number *ForeignValue* in the system of the end customer. Furthermore this position contains a line with a definition of a colour from the corresponding article.

6 Technical description

6.1 List of manufacturers

In order to get an actual list of our manufacturers, please get in contact with us, <https://www.nexmart.com/en/contact/>.

6.2 Quantity unit list

Unit	Description	Measurement
CEN	Hundred	Packaging unit
CGM	Centigram	Weight
CLF	Hundred sheets	Packaging unit
CLT	Centiliter	Mass volume
CMK	Square centimeter	Space volume
CMQ	Cubic centimeter	Area
CMT	Centimeter	Length
CNP	100 packages	Packaging unit
DLT	Deciliter	Volume of mass
DMK	Square decimeter	Space volume
DMQ	Cubic decimeter	Area

Unit	Description	Measurment
DMT	Decimeter	Length
DPC	Dozen (piece)	Packaging unit
DPR	Dozen (pair)	Packaging unit
DRL	Dozen (role)	Packaging unit
DTN	Deci tonne	Weight
DZN	Dozen	Packaging unit
DZP	Dozen packages	Packaging unit
GRM	Gramm	Weight
HBX	100 Boxes	Packaging unit
HGM	Hectogram	Volume of mass
HLT	Hectoliter	Volume of mass
HMT	Hectometer	Space volume
KGM	Kilogram	Weight
KTM	Kilometre	Space volume
KTN	Carton	Packaging unit

Unit	Description	Measurment
LEF	Sheet	Packaging unit
LTR	Litre	Volume of mass
MGM	Milligram	Weight
MIL	Thousand	Packaging unit
MIO	Million	Packaging unit
MLT	Millilitre	Volume of mass
MMK	Square milimeter	Space volume
MMQ	Cubic millimeter	Area
MMT	Milimetre	Length
MTK	Square meter	Space volume
MTQ	Cubicmetre	Area
MTR	Meter	Length
NMP	Package	Packaging unit
NPL	Number of packages	Packaging unit
NPR	Pair	Packaging unit

Unit	Description	Measurment
NPT	Number of parts	Packaging unit
NRL	Number of roles	Packaging unit
PCE	Pieces	Packaging unit
SET	Set	Packaging unit
TNE	Tonne	Weight
TPR	10 Pair	Packaging unit

6.3 Currency list

Index	Field
AUD	Australian Dollar
BGN	Bulgarian Lev
CHF	Swiss Franc
CNY	Yuan Renminbi
CZK	Czech Krona
DKK	Danish Krone
EUR	Euro

Index	Field
GBP	British Pound
HUF	Hungarian Forint
LTL	Lithuanian Lita
LVL	Latvian Lat
PLN	Polish Zloty
RUB	Russian Rubel
SEK	Swedish Krona
SKK	Slovakian Krona
USD	US Dollar
ZAR	South African Rand

Format	CSV 2
zip	sampleOrders.zip
Message Guideline	please create a PDF file from the format description
samples	sample_order_csv2.txt sample_order_csv2_minimal.txt

etc.	
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