



Documentation of the interfaces

MLSONline Connect

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Language	English
Process	Fresh Products



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Explanation to the standard-interfaces

Description of the columns

„Required“:

Defines, if this field is sent or is to be sent

Yes	Export: field is always filled with a valid value
	Import: field must be filled always with a valid value
No	Export: field is never exported
	Import: field is not allowed to be sent
Optional	Export: field is always available, but can be empty (““)
	Import: field must be delivered, but can be empty (““)

„Mandatory Frische“: Defines, if this field is to be sent for Frische-processes

x	Export: field is always exported (empty or filled)
	Import: field must be delivered (empty or filled)
	If not marked: This field is not exported and not imported

„Data type“:

Date	Export: Format „2007-07-07“ is used for export
	Import: Format „2007-07-07“ must be used for import
Boolean	0 = No, 1 = Yes
Integer	Contains numeric characters
Decimal	For prices: xxxx.yy („2000.00“), 2 decimal places
	For Quantities(order, delivery): xxxx.yyy („2000.500“), 3 decimal places
Currency	The ISO-Codes are used
	CHF = Swiss francs
	EUR = EURO
String	Field with numeric and/or alphanumeric characters

Header line (CSV-format)

Inside a exchanged file, the first line can be a header line, which contains the column description. Order-Example: “OrderNo“;“CreationDate“;“BuyerBranchILN“;“StockBranchILN“;“ReceiveBranchILN“;“LogisticClassCode“;“Currency“;“DelDate“;“DetailBegin“;“SequenceNo“;“OrderPosNo“;“ContractNo“;“OrderedEAN“;“CUArtEAN“;“TUArtEAN“;“CUPerTU“;“Unit“;“SellingUnitOrdered“;“SellingUnitToDeliver“;“QtyOrder“;“BuyPrice“;“BuyPricePerUnit“;“SalesPrice“;“SalesPriceC
Can be defined per supplier. Default value: The header line is exported and imported

Sequence(order) of the records

Records which belongs together for ex. all position records of a delivery, must be delivered as one after the other

Specific setting of the following properties per supplier is possible (CSV-format):

Field delimiter:

Used to delimit one field from the next one
Bsp: “20“;“2007-07-07“;“10“;“500.555“
Default value: ; (Semicolon)
Can be defined per supplier

End of line(EOF):

The end of each line must be marked with Carriage Return (CR) und Line Feed (LF). At the last field of each line, no field delimiter(;) should be set.

Mark of each field

A field can, if necessary, be marked at the begin and at the end of the field with a field marker. This is required if the field delimiter character is used inside the field value. Example:
“1“;“artikel contains the ; char“;“7900098777“

Default value:

Can be defined per supplier inside the export configuration, the standard is to send the marker for each field (begin and end of the field)
For the import, the supplier itself is responsible that he is not using the field delimiter inside the import files, or he can also using the field marker as his standard field marker.

Empty fields

They are exchanged without any sign in it.
“field with value“;“field with value“ or
field with value;;field with value

Example file of a delivery in CSV format, created from a supplier:

"OrderNo";"CreationDate";"DeliveryDate";"DESADVNo";"BuyerBranchILN";"StockBranchILN";"ReceiveBranchILN";"LogisticClassCode";"LicencePlate";"TransCompany";"TransModeCode";"NoDeliveryCode";"SSCCNo";"S

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"0000000994";"2007-08-01";"2007-08-20";"1894059";"7617007000006";"7617007004394";"7617007004394";"92";";";"30";"0";";"5.11";"1";"999";"00010";"2114770000004";"5.11";"CU";"1";"KGM";";";
"0000000994";"2007-08-01";"2007-08-20";"1894059";"7617007000006";"7617007004394";"7617007004394";"92";";";"30";"0";";"0.54";"1";"999";"00020";"2141137000001";"0.54";"CU";"1";"KGM";";";
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"0000000992";"2007-08-01";"2007-08-20";"1894061";"7617007000006";"7617007004363";"7617007004363";"92";";";"30";"0";";"20.109";"1";"999";"00010";"2114770000004";"20.109";"CU";"1";"KGM";";";
"0000000992";"2007-08-01";"2007-08-20";"1894061";"7617007000006";"7617007004363";"7617007004363";"92";";";"30";"0";";"5.11";"1";"999";"00020";"2141137000001";"5.11";"CU";"1";"KGM";";";
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"0000000992";"2007-08-01";"2007-08-20";"1894061";"7617007000006";"7617007004363";"7617007004363";"92";";";"30";"0";";"20.109";"1";"999";"00040";"2137444000001";"20.109";"CU";"1";"KGM";";";
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"0000000991";"2007-07-30";"2007-08-20";"1894062";"7617007000006";"7617007004332";"7617007004332";"92";";";"30";"0";";"10.99";"1";"999";"00020";"2141137000001";"10.99";"CU";"1";"KGM";";";
"0000000991";"2007-07-30";"2007-08-20";"1894062";"7617007000006";"7617007004332";"7617007004332";"92";";";"30";"0";";"25.109";"1";"999";"00030";"2914882000004";"25.109";"CU";"1";"KGM";";";
"0000000991";"2007-07-30";"2007-08-20";"1894062";"7617007000006";"7617007004332";"7617007004332";"92";";";"30";"0";";"10.109";"1";"999";"00040";"2137444000001";"10.109";"CU";"1";"KGM";";";
"0000000991";"2007-07-30";"2007-08-20";"1894062";"7617007000006";"7617007004332";"7617007004332";"92";";";"30";"0";";"7.11";"1";"999";"00050";"2125321000008";"7.11";"CU";"1";"KGM";";";
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Annotation:

1. The first line(Header line) is optional, and can be omitted.
2. The “-characters are optional. Instead of sending “2007-08-08“ , you can send 2007-08-08.
3. In every line, the head of a delivery is repeated. Each line contains the information of the header and the position.
4. At the end of each line, the CR and LF mark the line as ended
5. Data which belongs together, must be following each other. For example: all delivery data for DESADVNo „**1894059**“ and the OrderNo “**0000000994**“ follows each other.
6. File-Handling: If possible, do not create one file for each Delivery. Create one file containing several deliveries. It will make the Upload to the server much more efficient.
(Same rule for all other document types)

Common Field descriptions

Partnerinformation:

Each partner has an unique ILN-number. This number identifies the buyer, the StockBranch or the ReceiveBranch.

Migros publishes the entire list of subsidiary partners at their portal supplier.net at your disposal. It is also possible to get those partners through MLSonline Connect within the Partner export

In all exchanged documents, these partner numbers are/must be available in the following fields:

BuyerBranchILN: ILN of the buyer, for Frische this is the associative, for ex. . „Migros Associative Zurich“

StockBranchILN: ILN of the point of delivery, the place where the suppliers delivers the goods

ReceiveBranchILN: ILN of the receive location, the final destination of the goods

Dependent of the process, the three communicated partners are defined as follows:

Stockkeeping/Flowthrough (SK/FT)

BuyerBranchILN: ILN of the buyer, for Frische this is the associative, for ex. . „Migros Associative Zurich“

StockBranchILN: ILN of the associative, for ex. „Migros Associative Zurich“

ReceiveBranchILN: ILN of the associative, for ex. „Migros Associative Zurich“

Cross Docking (CD)

BuyerBranchILN: ILN of the buyer, for Frische this is the associative, for ex. . „Migros Associative Zurich“

StockBranchILN: ILN of the associative, for ex. „Migros Associative Zurich“

ReceiveBranchILN: ILN of a store , z.B. „MM Zurich City“

Direct to Store (DTS)

BuyerBranchILN: ILN of the buyer, for Frische this is the associative, for ex. . „Migros Associative Zurich“

StockBranchILN: ILN of a store , z.B. „MM Zurich City“

ReceiveBranchILN: ILN of a store , z.B. „MM Zurich City“

For all exchanged documents like Delivery and Invoice, the supplier has to adopt these fields from the order and sent them back corresponding to the order.

LogisticClassCode For each process, there is a logisticClass number, If an order with LogisticClassCode of 91 is created, then the Delivery and Invoice must be sent with the same LogisticClassCode

Exchanged amount and price units

Incoming orders

All exchanged amounts within the MLSonline Connect System are always in Consumer Unit's (CU). The Migros SAP-System can do orders in TU or CU, but via Connect, you will always get the amount in CU.

Example: SAP sends the following order in TU (The supplier does not get it like this!)

Order position	EAN of the TU article	Ordered TU-quantity	CU per TU
00010	7612345678902	10	5
00020	7612345678911	1	1

The supplier gets the following information in the Connect interfaces

Order position	OrderedEAN	EAN of the TU article	EAN of the CU article	CU per TU	QtyOrder
00010	7612345678902	7612345678902	7612345678901	5	50
00020	7612345678911	7612345678911	7612345678910	1	1

The incoming order-processing is based on the following information of the price conditions managed by the supplier (Price Condition-Import)

- CUPerTU:** The quantity, which is defined for the article and buyer (inside the price conditions) is used to calculate the CU-quantity from the TU-quantity.
- BuyPrice:** The purchase (BuyPrice) price, which is defined in the price condition by the supplier, is used and exported into the order-position. The purchase price, which was sent from Migros, is exported as the field BuyPriceMigros.
- SalesPrice:** The ourchase price (SalesPrice) price, which is sent with the order position from Migros, is exported into the order-position. The SalesPrice within the price condition has no effect
- Important:**
1. **The CU per TU**-amount, which must be managed by the supplier within the price conditions, has to be correct always. If its wrong, then the received order quantities will be wrong. This is because a SAP order usually sends the quantity values in TU and the MLS-System is calculating the CU-quantities based on the CUPerTU value found in the price condition
 2. Per associative, the supplier can manage different price conditions with different prices and CUPerTU per article, see Price Conditions

Process Flow Fresh Products

		Exchanged documents		
		from Connect to Supplier	from Supplier to Connect	Document Type
Within the fresh process flow, there are the following logistic processes to be handled				
Master Data				
Master data synchronisation	Stammdatenabgleich: Supplier has to manage the basic articles und price conditions together with Migros. Means EAN's, Migros Article Numbers., CUPerTU's and prices must be clearly defined			
Subsidiary partners	The supplier must know all the Migros subsidiary partners (Filialen). These informations are basically NOT communicated electronically. The supplier can get the master data from the supplier.net of Migros. MLSonline Connect now also supports the export of all subsidiary partners within the partner export. see the Partner section for details			
Article + Prices	Once the master data's are defined, the supplier has to send the Articles and Price conditions as described in this interface documentation. MLSonline Connect needs the master data to be sent from the supplier before of any other data. Master data changes must be sent from the supplier accordingly		X	Article, Price condition
Orders from Migros	The supplier will receive Orders from Migros. Connect will send them inside the Orders document structure	X		Order
Delivery to Migros	For each Order, the supplier has to send delivery information. 1 or more Delivery per Order is allowed		X	Delivery
Invoice to Migros	Based on the delivered goods, the supplier has to send invoice information. For each Delivery, 1 Invoice has to be sent		X	Invoice
Price and Amount Corrections to Migros	The supplier must be able to send price (CorrectionType='P') and amount correction (CorrectionType='M') information. Those are handled with the Invoice document. The CorrectionType, the referenced Order, Desadv and Invoice must be sent. There are Credit Notes (G=Gutschrift) and Debit notes (N=Nachbelastung) to be handled.		X	Invoice
Manual Order to Migros	There are situation, where the supplier has to create an order by himself, without getting an order from Migros. We call that a manual order. This is usually if the Supplier gets a call from Migros to deliver more products. The supplier sends an Order document. Afterwards he will send the delivery and invoice referencing the manual order.		X	ManualOrder
Return RNB	In case of a Return, the supplier will receive a FAX from Migros. The FAX contains the RNB-number and all returned articles. The supplier then has to send a Credit Note, referencing the RNB-number as the OrderNo and all returned article informations		X	Invoice

Order **Export-Interface, from MLSONline Connect to the ERP-system of the supplier****HEADER-INFORMATION, Order**

Fieldname MLSONline	Data -type	MLSONline Connect	Required	Fieldname export file	MLSONline Connect	Mandatory Frische	Meaning
OrderNo	String	Max. 10-characters	Yes	OrderNo	Max. 10-characters	X	Unique number of the order
CreationDate	Date	Format 2007-05-30	Yes	CreationDate	Format 2007-05-30	X	Creation date of the order
DelDateEarliest	Date	Format 2007-05-30	Yes	DeliveryDate	Format 2007-05-30	X	Earliest delivery date, official delivery date for Frische
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits number	X	ILN of the Buyer, for Frische the association of Migros
StockBranchGID	Integer		Yes	StockBranchILN	13-digits number	X	ILN of the storage location, VMI/SK/FT: storage location=" goods recipient", CD: central store, DTS: store
ReceiveBranchGID	Integer		Yes	ReceiveBranchILN	13-digits number	X	ILN of the goods recipient, for Frische the association, VMI/SK/FT: same as the StockBranchILN, CD/DTS: store
LogisticClassDVGID	Integer		Yes	LogisticClassCode	Integer	X	number of the process: SK/FT-Frische, CD-Frische, DTS-Frische, Return-Frische, see the codes in the appendix
CurrDVGID	Integer		Yes	Currency	ISO-Code (3-char)	X	Currency, ex. „CHF“, „EUR“,...

POSITION-INFORMATION, Order

Fieldname MLSONline	Data -type	Format MLSONline	Required	Fieldname export file	Format MLSONline	Mandatory Frische	Meaning
OrderPosNo	String		Yes	OrderPosNo	String	X	Consecutively number of the order position , starting mit „00010“, „00020“, „00030“, ...
ContractGID	Integer		Yes	ContractNo	Integer	X	Number of the contract/price condition
OrderedEAN	Integer		Yes	OrderedEAN	13-digits number	X	If the article is not found in the master data, this EAN-number is the only number communicated. (--> CUArtEAN and TUArtEAN will be empty). The OrderedEAN shall be considered by the supplier only in case of an ErrorState!=0
SupArtGID	Integer		Yes	CUArtEAN	13-digits number	X	EAN-number of the CU-article, ist always set, except the article isn't found in the master data (--> CUArtEAN = „0“). It is even set, in case the order is done as TU-unit.
TUSupArtGID	Integer		Optional	TUArtEAN	13-digits number	X	EAN-number of the TU-article, only filled, if the order is done in TU, otherwise TUArtEAN=""
CUPerTU	Decimal		Yes	CUPerTU	Decimal (xxx.yyy)	X	Quantity of CU contained in one TU, this value is taken from the contract, managed by the supplier

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format MLSonline Connect	Mandatory Frische	Meaning
UnitDVGID	String		Yes	UnitCode	„CU“ or „TU“	X	Original value of the ordered unit from the Migros SAP-System, CU or TU. The delivery has to be done usually in CU, especially for KGM/LTR the delivery must be done in CU-unit.
OrderedCUDVGID	String		Yes	SellingUnitOrderedCode	„PCE“, „KGM“,...	X	Selling Unit, ordered from Migros, Stück, Kilogramm, Liter,... see codes in the appendix
CUDVGID	String		Yes	SellingUnitDeliverCode	„PCE“, „KGM“,...	X	Selling Unit, to be delivered, Stück, Kilogramm, Liter,...this value is taken from the associated contract, managed by the supplier. see codes in the appendix.
QtyOrder	Decimal	10.450	Yes	QtyOrder	Decimal (xxx.yyy)	X	Quantity of order, always in CU-quantity! CU-order: QtyOrder=Bestellmenge in CU TU-order: QtyOrder=ordered qty in TU * CU/TU of the contract(=CU-quantity)
BuyPrice	Decimal	1.2	Yes	BuyPrice	Decimal (xxx.yy)	X	Buy price, this value is taken from the contract (price condition managed by the supplier)
BuyPricePerUnit	Integer		Yes	BuyPricePerUnit	Integer	X	Defines for how many units the BuyPrice is defined, usually it is "1"
SalesPrice	Decimal		Yes	SalesPrice	Decimal (xxx.yy)	X	SalesPrice from MGB, can also be a promotional price
SalesPriceCurrDVGID	Currency		Yes	SalesPriceCurrency	ISO-Code (3-char)	X	Currency of the salesprice
ErrorStateDVGID	Integer		Yes	ErrorStateCode	Error-Codes, which are generated from MLSonline based on incoming ORDERS-Messages (only, if master data of article or price conditions are not up to date, or if the ORDERS-message is wrong)	X	0= no error, everything is correct 1= Ordered EAN is not available in the article master data 2= Order is done in wrong unit(Ordered CU, but the EAN of the article is a TU-article, vice versa) 3= Ordered article is not an article of the Frische assortment 4= Article is not ready to be ordered (flag „OrderState“ or „SupOrderState“ in the master article data is not set to TRUE) 5= could not find a valid price condition for this article Codes see the appendix
BuyPriceMigros	Decimal	1.25	Optional	BuyPriceMigros	Decimal (xxx.yy)		contract / price condition. This price is the original price, which Migros has in their SAP-System and can always be different from the price which is in the supplier system. It's a good practice for incoming orders at the supplier side to check if the BuyPrice is different from the BuyPriceMigros, in order to prevent price corrections

Scenario In the incoming order there are possible errors. This is not the normal case, but here are the definitions how the supplier has to handle these errors.

Behaviour for the error cases (ErrorStateCode!=0). The following errors can happen:

Case 1 Migros is ordering an article with its EAN-Code, but this article isnt available inside MLSonline or the EAN-Code was wrong set

Meaning: In the incoming order you wont get the CUArtEAN, TUArtEAN, but the OrderedEAN is delivered, ErrorStateCode=1

What to do: The article has to be managed inside MLSonline or through the interfaces.

The article can be delivered normally inside a delivery.

Case 2 Migros is ordering an article but doenst deliver its EAN-Code

Meaning: In the incoming order, you wont get the CUArtEAN, TUArtEAN, OrderedEAN, ErrorStateCode=1

What to do: The supplier has to clarify with its Association of Migros, which article it is and if it really has to be delivered or not.

If it doenst have to be delivered: The article position can be deleted and doenst have to be delivered in the delivery file.

If it has to be delivered: The Association has to send a new order

Case 3 Migros is ordering a TU-article with an EAN-Code, which is marked as a CU-article at MLSonline

Meaning: In the incoming order the CUArtEAN, TUArtEAN are not delivered, the OrderedEAN is delivered, ErrorStateCode=2

What to do: The supplier has to clarifiy with the Association if thats a wrong order position or if the article was wrong managed inside MLSonline.

The article can then normally being delivered inside a delivery file.

Case 4 Migros is ordering an article, which is marked inside MLSonline as „Not to be ordered“

Meaning: The CUArtEAN, TUArtEAN and OrderedEAN are delivered. The ErrorStateCode is 3 or 4 .

What to do: The article can then normally being delivered inside a delivery file.

Case 5 Migros is ordering an article, for which there is no price condition defined

Meaning: The CUArtEAN, TUArtEAN and OrderedEAN are delivered. The ErrorStateCode=5

This case cannot happen inside „Frische“. There is always at least one valid price condition.

What to do: The article can then normally being delivered inside a delivery file.

Delivery Import-Interface, from the ERP-System of the supplier to MLSonline Connect**HEADER-INFORMATION, Delivery**

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
OrderGID	String	Max. 10-chars	Yes	OrderNo	Max. 10-chars	X	Reference to the order-number
CreationDate	Date	Format 2007-05-30	Yes	CreationDate	Format 2007-05-30	X	Creation date of this delivery document
DelDateEarliest	Date	Format 2007-05-30	Yes	DeliveryDate	Format 2007-05-30	X	Date, when this delivery will be done physically
DESADVNo	Integer		Yes	DESADVNo	String max 10 characters	X	Unique number of the delivery, produced from the supplier
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits number	X	ILN of the Buyer, for Frische the association of Migros
StockBranchGID	Integer		Yes	StockBranchILN	13-digits number	X	ILN of the storage location, VMI/SK/FT: storage location="goods recipient", CD: central store, DTS: store
ReceiveBranchGID	Integer		Yes	ReceiveBranchILN	13-digits number	X	ILN of the goods recipient, for Frische the association, VMI/SK/FT: same as the StockBranchILN, CD/DTS: store
LogisticClassDVGID	Integer		Yes	LogisticClassCode		X	Number of the process: SK/FT-Frische, CD-Frische, DTS-Frische, Return-Frische, see the codes in the appendix
LicensePlate	String		Optional	LicensePlate	max. 20 chars	X	Licence plate of the transporter
TransCompany	String		Optional	TransCompany	max. 50 chars	X	Name of the transport company
TransModeDVGID	Integer		Yes	TransModeCode		X	Type of the transport: railway, road, air, ship, see the codes in the appendix
NoDeliveryGID	Integer		Yes	NoDeliveryCode	0=normal delivery 1=no delivery for the entire order	X	If there is no delivery for the entire order, this flag must be set to 1 (NoDeliveryCode=1). Default is: NoDeliveryCode=0, Means there is at least one position delivered for the referenced order. If NoDeliveryCode=1 then only 1 position has to be sent. Other positions are ignored.

POSITION-INFORMATION, Delivery

Fieldname MLSONline	Data -type	Format MLSONline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
Delivery.SSCCNo	Integer		Optional	SSCCNo	18-digits number	X	Unique SSCC-number with the following content: 1: fixed number: „3“ 2-10: First 9 digits of the suppliers GLN 11-17: Unique consecutive serial number 18: check digit(calculated) If not using SSCC-numbers, then this field must be empty. For Frische, SSCCNo are used just for Frische-CD process (The supplier has to check, if the SSCCNo has to be sent for each Association of Migros)
Delivery.SSCCNo	Integer		Optional	SubSSCCNo	18-digits number, empty, if this is not a hierarchical logistic unit. for Frische: always empty, cause hierarchical paletts are not supported	X	Only necessary for hierarchical commission: Unique SSCC-number of the Sub-LU with the following content: 1: fixed number: „3“ 2-10: First 9 digits of the suppliers GLN 11-17: Unique consecutive serial number 18: check digit(calculated) If not using SSCC-numbers, then this field must be empty.
Delivery.Weight	Decimal		Yes	Weight	Decimal, xxxx.yyy	X	Weight of the logistic unit, must be delivered. If the well disposed weight is not available, then the calculated weight has to be sent
Delivery.LuNo	Integer		Yes	LuNo	Integer	X	Consecutive number of the logistic unit. Defines, which article is delivered on which logistic unit. ex. all article on one palette or container, or different articles inside a container. If the SSCCNo is sent, the the value of the SSCCNo can be used here again to identify the Logistic Unit.
Delivery.LUTGID	String		Yes	LUTypeCode	String(3-chars)	X	Type of the logistic unit, palette, container..., see the codes in the appendix. If not well-known, send „999“ as default.
Order.OrderPosNo	String		Yes	OrderPosNo	String	X	Reference value to the order position (OrderPosNo). Must be the same value, as sent in the order position.
Order.SupArtGID	Integer		Yes	CUArtEAN	13-chars	X	EAN-number of the delivered CU-article. If the CUArtEAN of the order position is not the same as the one sent here, then the import is not processed. Except the sent EAN is the same as in the Order.OrderedEAN of the order. (this is the case, when the order had an ErrorState!=0
Order.TUSupArtGID	Integer		Optional	TUArtEAN	13-chars	X	If the delivery is done in TU, then the EAN of the TU-article has to be sent here. If only CU-delivery, then send TUArtEAN =““. If the TUArtEAN of the order position is not the same as the one sent here, then the import will not be processed. Exception: If the sent EAN is the same as in the Order.OrderedEAN of the order. (If the order position had an ErrorState!=0)

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
Delivery.Qty	Decimal		Yes	CUQty	Decimal, xxxx.yyy	X	Delivered quantity, always as CU-quantity. CU-Order: quantity as CU TU-Order: quantity as TU * CU/TU (=CU-quantity) If a quantity of 0.000 is sent, then the result is a 0-delivery for this order position in the DESADV-Message.
Order.UnitDVGID	String		Yes	UnitCode	"CU" or "TU"	X	Unit of the delivery (usually in CU). Attention: If the delivery is done in „KGM“ or „LTR“ the unit must be CU always!
Order.CUPerTU	Decimal		Yes	CUPerTU	Decimal, xxxx.yyy	X	Numbers of CU per TU
Order.CUDVGID	String		Yes	SellingUnitDeliverCode	„PCE“, „KGM“...	X	Selling unit of the delivered article, codes see the appendix
Order.Lot.LotNo	String		Optional	LotNo	Mandatory for lots, String	X	Number of the lot, per default "" (empty)
Order.Lot.ProdDate	Date		Optional	LotProdDate	Mandatory for lots, Format 2007-05-30	X	production date of the lot, per default "" (empty)
Order.Lot.ExpDate	Date		Optional	LotExpDate	Mandatory for lots, Format 2007-05-30	X	expiration date (Last date to be sold), per default "" (empty)
Order.Lot.ConsDate	Date		Optional	LotConsDate	Mandatory for lots, Format 2007-05-30	X	Consumation date (last consumption date), per default "" (empty)

Rule Frische: Each order position has to be sent back in this document (also if qty-delivered=0). If there are several lots per article or an article is delivered on different logistic units, then this article can be sent several times for the same order position.

If the supplier doesn't make any part delivery, then Mlsonline Connect can manage the 0-er positions. Means the supplier has to send just all positions, which he really sends physically, then Connect is checking the Order and produces 0-er positions by itself. If the supplier has part deliveries (means several delivery per one order), then he has to manage the 0-er position. The Rule „Part Delivery“ or not has to be defined at the Connect Server side.

Invoice Import-Interface, from the ERP-System of the supplier to MLSonline Connect
Header-INFORMATION, Invoice

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
OrderNo	String	Max. 10-digits	Yes	OrderNo	Max. 10-digits	X	References the number of the order. For orders from MGB: OrderNo from MGB. For „Returns Frische“ with RNB-Number: The RNB-No from the FAX must be sent here. For „Returns No Order“: An unique OrderNo produced by the supplier must be sent here. For Manual order: The OrderNo produced by the supplier (as delivered in the order document)
OrderCreationDate	Date	Format 2007-05-30	Yes	OrderCreationDate	Format 2007-05-30	X	Creation date of the order
CreationDate	Date	Format 2007-05-30	Yes	CreationDate	Format 2007-05-30	X	Creation date of the invoice
DelDateEarliest	Date	Format 2007-05-30	Yes	DeliveryDate	Format 2007-05-30	X	Delivery date
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits number	X	ILN of the Buyer, for Frische the association of Migros
StockBranchGID	Integer		Yes	StockBranchILN	13-digits number	X	ILN of the storage location, VMI/SK/FT: storage location="goods recipient", CD: central store, DTS: store
ReceiveBranchGID	Integer		Yes	ReceiveBranchILN	13-digits number	X	ILN of the goods recipient, for Frische the association, VMI/SK/FT: same as the StockBranchILN, CD/DTS: store
LogisticClassDVGID	Integer		Yes	LogisticClassCode	Integer	X	Number of the process: SK/FT-Frische, CD-Frische, DTS-Frische, Return-Frische, see the codes in the appendix
CurrDVGID	Currency		Yes	Currency	ISO-Code (3-chars)	X	Currency code as ISO-Code, "CHF", "EUR",...
InvoiceNo	String	Max. 10-digits	Yes	InvoiceNo	String max. 16-characters	X	Unique number of the invoice. To be defined by the supplier
DESADVNo	String	Max. 10-digits	Optional	DESADVNo	String max. 10-characters	X	Reference to the DESADVNo of the delivery. if „Returns-Frische with RNB-Number: „ (=Empty) if „Returns No-Orders“: Number of the delivery note (only in Returns for DTS-process) For normal invoice, credit note, debit note, price or quantity correction: DESADV-number of the original corrected invoice
PayCondition	Integer		Yes	PayCondition	Integer	X	Amount of days until the invoice must be paid (for ex. 30 days)
PayDiscount	Integer		Optional	PayDiscount	Integer	X	Amount of days, if payed with a Discount (for ex. 10 days)
PayDiscountPercent	Integer		Optional	PayDiscountPercent	without percent sign, send only the value	X	Discount value (ex. 2, means 2%)
InvoiceType	String		Yes	InvoiceTypeCode	1 char	X	R=Invoice, G=Credit note, N=additional charge, see codes in the appendix

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
InvoiceTypeRef	String		Optional	InvoiceTypeRefCode	1 char	X	For normal Invoice and Return, default = „“. For Price or Amount corrections: Type of the referenced invoice R=Invoice, G=credit note, N=additional charge /debit note
InvoiceNoRef	String	Max. 10-digits	Optional	InvoiceNoRef	Max. 10-digits	X	For normal Invoice and Return, default = „“. For Price or Amount corrections: Number of the referenced Invoice.
InvoiceDateRef	Date	Format 2007-05-30	Optional	InvoiceDateRef	Format 2007-05-30	X	For normal Invoice and Return, default = „“. For Price or Amount corrections: Date of the referenced invoice.
DeliveryNoteDate	Date	Format 2007-05-30	Optional	DeliveryNoteDate	Format 2007-05-30	X	if „Returns No-Orders“ or Rackjobbing: Date of the delivery note. (Date related to the field DESADVNo) In all other processes (and default) = „“.
CorrectionType	String		Optional	CorrectionTypeCode	1 char or empty	X	„“= no correction (Default), M=Quantity/Amount-correction, P=Price-correction, see the codes in the appendix. For normal Invoice and for Returns: „“ (empty). For Price differences/corrections = „P“ for amount/quantity differences/corrections = „M“

POSITION-INFORMATION, Invoice

OrderPosNo	String		Yes	OrderPosNo	String	X	Reference to the order position.(„00010“, „00020“, ...)
ContractGID	Integer		Yes	ContractNo	Integer	X	Number of the used contract, as sent in the incoming or manual order.
SupArtGID	Integer		Yes	CUArtEAN	13-digits number	X	EAN-number of the CU-article
TUSupArtGID	Integer		Optional	TUArtEAN	13-digits number	X	EAN-number of the TU-article
CUPerTU	Decimal		Yes	CUPerTU	xxx.yyy	X	Numbers of CU per TU
CUDVGID	String		Yes	SellingUnitDeliverCode	„PCE“, „KGM“,...	X	Selling Unit (PCE, KGM, LTR,...), see the codes in the appendix
Qty	Decimal		Yes	Qty	xxx.yyy	X	Quantity to charge (Quantity in CU!)
QtyOrder	Decimal	10.45	Yes	QtyOrder	xxx.yyy	X	Ordered quantity, (Quantity in CU!)
BuyPrice	Decimal		Yes	BuyPrice	xxx.yy	X	Purchase price of one CU
BuyPricePerUnit	Integer		Yes	BuyPricePerUnit		X	Purchase price is defined per this number of units
SalesPrice	Decimal		Yes	SalesPrice	xxx.yy	X	Sales price of MGB
SalesPriceCurrDVGID	Currency		Yes	SalesPriceCurrency	ISO-Format	X	Currency of the sales price
VATDVGID	String		Yes	VATCode	„Z1“, „Z2“, „Z3“	X	VAT-Code, codes see in the appendix

For the correction of already sent Invoices, there are 2 possibilities, depending, if it's a price or an amount correction

Price correction

CorrectionType --> P

In case the invoiced price for one or more positions was wrong

1 Possibility 1 (Full Cancellation and Recharge)

1.1 Send a cancellation of the already existing invoice(for 1 or more positions) with a credit note (Reference to the already existing Invoice)

1.2 Send a new debit note with same amount but the correct price for each cancelled positions (Reference to the already existing Invoice)

Example: (if the price was charged 10.- but is just 9.50)

Original Invoice was:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=1, InvoiceType=R
Credit Note:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=2, InvoiceType=G, InvoiceNoRef =1, InvoiceTypeRef=R, CorrectionType=P
Debit Note:	Article x	Amount=100	Price=9.50	Total=950.-	InvoiceNo=3, InvoiceType=N, InvoiceNoRef =1, InvoiceTypeRef=R, CorrectionType=P
			Total charged	950.-	

desired variant -->

2 Possibility 2 (Correction, charging the price difference)

2.1 Send a credit or debit note (depending if price was too high or low) and just send the difference of the price, the amount must be the same as in the original invoice

Example: (if the price was charged 10.- but is just 9.50)

Original Invoice was:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=1, InvoiceType=R
Credit Note:	Article x	Amount=100	Price=0.50	Total=50.-	InvoiceNo=2, InvoiceType=G, InvoiceNoRef=1, InvoiceTypeRef=R, CorrectionType=P
			Total charged	950.-	

Amount correction

CorrectionType --> M

In case the invoiced amount for one or more positions was wrong

To send a Cancellation and a Recharge is not allowed for the amount correction (only in special cases Migros can allow the full cancellation). Normally it must be sent a debit or credit note with the amount difference.

1 Correction, charge the amount difference

1.1 Send a credit or debit note (depending if amount was too high or low) and just send the difference of the amount, the price must be the same as in the original invoice

Example: (if the charged amount was 100 but is just 91)

Original Invoice was:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=1, InvoiceType=R
Credit Note:	Article x	Amount=9	Price=10.-	Total=90.-	InvoiceNo=2, InvoiceType=G, InvoiceNoRef=1, InvoiceTypeRef=R, CorrectionType=M
			Total charged	910.-	

Special case, if an invoice must be cancelled totally: (this has to be done with an „Amount correction“ with the reference to the original invoice)

1 Correction of all positions of the original invoice(Cancellation)

Beispiel: (if the charged amount in the original invoice was 100 but 100 bus be cancelled now)

Original Invoice was:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=1, InvoiceType=R
Credit Note:	Article x	Amount=100	Price=10.-	Total=1000.-	InvoiceNo=2, InvoiceType=G, InvoiceNoRef=1, InvoiceTypeRef=R, CorrectionType=M
			Total charged	0.-	

Generally:

Its not allowed to charge a new amount and a new price for the same article inside one Invoice document. t is not allowed to exchanged „-“ (minus) quantities. The quantities have to be positive always.

Its also not allowed to mix price- and amount-corrections inside one Invoice

If an invoice is totally wrong and must be cancelled, then a credit note (CorrectionType="M", InvoiceType="G") without any debit note must be created

Returns RNB

Migros will send a FAX with a RNB-number. The supplier then has to send an Invoice document with the Orderno="<RNB Number>", DESADVNo="", LogisticClassCode:90, InvoiceType:G, CorrectionType=""

Order Import-Interface, from the ERP-System of the supplier to MLSonline Connect

Header-INFORMATION, Order (Manual order, Frische)

Fieldname MLSonline	Data -type	Format	MLSonline Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
OrderNo	Integer	Max. 10-digits	Yes	OrderNo	6xxxxxxx (8-digits)	X	Unique number of the order, to be set by the supplier, Prefix „6“, additional a unique consecutive number number starting with „0000001“, „0000002“
CreationDate	Date	Format 2007-05-30	Yes	CreationDate	Format 2007-05-30	X	Creation date of the order
DelDateEarliest	Date	Format 2007-05-30	Yes	DeliveryDate	Format 2007-05-30	X	Expected delivery date
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits number	X	ILN of the Buyer, for Frische the association of Migros
StockBranchGID	Integer		Yes	StockBranchILN	13-digits number	X	ILN of the storage location, VMI/SK/FT: storage location=“goods recipient“, CD: central store, DTS: store
ReceiveBranchGID	Integer		Yes	ReceiveBranchILN	13-digits number	X	ILN of the goods recipient, for Frische the association, VMI/SK/FT: same as the StockBranchILN, CD/DTS: store
LogisticClassDVGID	Integer		Yes	LogisticClassCode	Integer	X	Number of the process: SK/FT-Frische, CD-Frische, DTS-Frische, Return-Frische, see the codes in the appendix
CurrDVGID	Currency		Yes	Currency	ISO-Code (3-chars)	X	Currency, ex. „CHF“, „EUR“,...
OrderTypeDVGID	Integer		Yes	OrderTypeCode	Default = 1	X	0=Incoming orders, 1=Manual order FRISCHE, 2=Manual order other processes, 3=Incoming orders not Frische, see the codes in the appendix

POSITION-INFORMATION, Order (Manual oder, Frische)

Fieldname MLSonline	Data -type	Format	MLSonline Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
OrderPosNo	String		Yes	OrderPosNo	String	X	Consecutive position number of the order, started with „10“, „20“, „30“, ...
ContractGID	Integer		Yes	ContractNo	Integer	X	Number of the contract/price condition, Default = 1. The number of the contract must be well known, means it must be valid in MLSonline or imported through the contract import interface.
SupArtGID	Integer		Yes	CUArtEAN	13-digits number	X	EAN-number of the CU-article, must be set always, also if TU-order
TUSupArtGID	Integer		Optional	TUArtEAN	13-digits number	X	EAN-number of the TU-article, only mandatory, if the order is in TU, otherwise TUArtEAN=““
CUPerTU	Decimal		Yes	CUPerTU	xxx.yyy	X	Numbers of CU per TU
UnitDVGID	String		Yes	UnitCode	„CU“ or „TU“	X	Order unit is CU or TU. Delivery has to be the same, except for „KGM“/“LTR“ delivery, for them, the delivery must be done always as CU. see the codes in the appendix
OrderedCUDVGID	String		Yes	SellingUnitOrderedCode	„PCE“, „KGM“, „LTR“...	X	SellingUnitOrdered. Defines in what unit the order was done, Piece, kilogram, liter,... see the codes in the appendix
CUDVGID	String		Yes	SellingUnitDeliverCode	„PCE“, „KGM“, „LTR“...	X	SellingUnitDeliver. Defines in what unit the delivery is done, Piece, kilogram, liter,... see the codes in the appendix
QtyOrder	Decimal	xxx.yyy	Yes	QtyOrder	Decimal (xxx.yyy)	X	Order quantity in CU (always as CU-quantity)! CU-order: QtyOrder=quantity in CU TU-order: QtyOrder=quantity in TU * CU/TU of the contract(=CU-quantity)
BuyPrice	Decimal		Yes	BuyPrice	Decimal (xxx.yy)	X	Purchase price of one CU
BuyPricePerUnit	Integer		Yes	BuyPricePerUnit	Integer	X	Defines for how many units the BuyPrice is defined, usually it is "1"
SalesPrice	Decimal		Yes	SalesPrice	Decimal (xxx.yy)	X	Sales price of MGB
SalesPriceCurrDVGID	Integer		Yes	SalesPriceCurrency	ISO-Code (3-chars)	X	Currency of the sales price

Article Import-Interface, from the ERP-System of the supplier to MLSonline Connect

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
	Integer		Yes	ActionCode	„1“, „2“, „3“	X	1=INSERT, 2=UPDATE, 3=DELETE
ArtEAN	Integer		Yes	ArtEAN	13-digits number	X	EAN-number of the article(CU or TU)
SupArtNo	String		Yes	SupArtNo	String	X	Article number of the supplier
SupArtDesc	String		Yes	SupArtDesc	String	X	Supplier specific article description
MartNo	String		Yes	MArtNo	String	X	Article-number of Migros
BossNo	String		Optional	BossNo	String	X	Boss-Number, can be omitted if not known
UnitDVGID	String		Yes	UnitDVGID	„CU“ or „TU“	X	Defines, if this article is a CU or a TU article.
ArtTypeDVGID	Integer		Yes	ArtTypeDVGID	1, 2 or 3	X	1=NON-Food, 2=Food/Near-Food, 3=FrISChe
ChildSupArtGID	Integer		Optional	CUArtEAN	13-digits number or emp	X	Only for TU: Defines the referenced CU-article (EAN number of the CU-article). Empty if it's a CU-article. Filled with the EAN of the CU-Article, if it's an TU-article
OrderState	Boolean		Optional	OrderState	Boolean	X	Order-State of the article(MGB) 0 = Not Valid to order 1 = Valid to order(Default, if not sent)
SupOrderState	Boolean		Optional	SupOrderState	Boolean	X	Order-State of the article(Supplier) 0 = Not Valid to order 1 = Valid to ordser(Default, if not sent)
HasLot	Boolean		Optional	HasLot	Boolean	X	0=Article with no lots(Default, if not sent) 1=Article has lots
IsCatArticle	Boolean		Optional	CatArticle	Boolean	X	0=no catalog article(Default, if not sent) 1=catalog article
ChildCUPerTU	Decimal		Optional	CUPerTU	xx.yyy	X	Only for TU-article. CU Quantity per 1 TU. Amount auf CU which this TU contains.
PriceVariable	Boolean		Yes	PriceVariable	Boolean	X	Defines if this article is a price variable article (Franken-article) 0 = not price variable (Default) 1 = price variable required for the generation of the DESADV and the INVOIC-messages
Descs/Desc	String		Yes	ArtDescDE	String	X	Description of the article in german
Descs/Desc	String		Optional	ArtDescFR	String	X	Description of the article in french
Descs/Desc	String		Optional	ArtDescIT	String	X	Description of the article in italian
Descs/Desc	String		Optional	ArtDescEN	String	X	Description of the article in english

Rules:

A CU-article has to be inserted before the related TU-article. But both of them can be delivered in the same file

For easier management of the Import, its possible to always send and ActionCode=2 (UPDATE). Connect will automatically INSERT an article, if its not available yet.

PriceCondition Import-Interface, from the ERP-System of the supplier to MLSonline Connect

Header-INFORMATION, Price condition

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
	Integer		Yes	ActionCode	„1“, „2“, „3“	X	1=INSERT, 2=UPDATE, 3=DELETE. For normal mutation without deleting, always use 2 (UPDATE). The Connect System will do an INSERT if it doesn't exist
ContractNo	Integer		Yes	ContractNo		X	Unique number of the price condition (ContractNo), The supplier can choose a unique number per Buyer. For ex. 100 for GM Zurich, and 200 for GM Lucerne. In this way he can manage price conditions for each Buyer. He can also manage just 1 general price condition for all Buyers, means without to specify the BuyerBranchILN, but then the PriceCondition number must be 1.
BuyerBranchGID	Integer		Optional	BuyerBranchILN	13-digits-number	X	ILN of the Buyer, for Frische the association of Migros. If empty: This price condition must have the contract number 1 and is therefore valid for all association of migros.
CurrDVGID	Currency		Yes	Currency	ISO-Format	X	Currency of the price condition, ex. CHF or EUR

DETAIL-INFORMATION, Price condition

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	Format supplier	Mandatory Frische	Meaning
SupArtGID	Integer		Yes	CUArtEAN	13-digits-number	X	EAN-number of the CU-article, has to be available in the article master data
VATDVGID	Integer		Yes	VATCode	„Z1“, „Z2“, „Z3“	X	VATCode, see the codes in the appendix
SalesPrice	Decimal		Optional	SalesPrice	xxx.yy	X	Sales price of MGB. This price is NOT returned back to the supplier in the order export. In the incoming orders the sales price, which Migros delivers, is sent back to the supplier. Therefore this field can be left to "" (empty)
SalesPriceCurrDVGID	Währung		Optional	SalesPricesCurrency	ISO-Format	X	Currency of the sales price. If not delivered, then the Currency of the price condition is also used for the currency of the sales price
CUPerTU	Decimal		Yes	CUPerTU	xxx.yyy	X	Amount of CU, contained in 1 TU. This relation must be correct always, cause its needed for the processing of incoming ORDERS-messages. If it's a CU-article then set Default = 1.000
CUDVGID	Integer		Yes	SellingUnitDeliverCode	„PCE“, „KGM“, ...	X	Selling unit, which will be delivered, see the codes in the appendix
BuyPrice	Decimal		Yes	BuyPrice	xx.yy	X	Purchase price of one CU. This price is then used for the export of the incoming orders from Migros
BuyPricePerUnit	Integer		Yes	BuyPricePerUnit		X	Purchase price is defined per this number of units. Default = 1
TUSupArtGID	Integer		Optional	TUArtEAN		X	EAN-number of the TU-article (only if TU-article). Has to be available in the article master data, if not a TU, then send "" (empty).

Rules:

- To process price conditions (PRK), its necessary, that the related articles are available in the master data (CU- and TU-article) --> Import articles before price conditions!
- Price conditions, defined for a association of migros, always have a higher priority than the one for „All association of Migros“ (This rule is is used in the processing of incoming orders)
- An article can be defined just once inside one price condition. An article which is used always as a TU and who has 2 TU, has to be managed as 2 records(1 for each TU)

Each imported article is automatically inserted into the default price condition with the number '1'. The price condition one contains always all articles and is valid for all association of Migros. It is not valid to delete this price condition, nor to insert a price condition with the number 1. If all price conditions for an article are same for all association of migros, then the price condition '1' has to be maintained (Updated). If the price conditions are not the same, then the supplier has to insert and update a price condition for each association of migros. (only for these association of migros, which conditions are not the same as in the price conditon '1'.

For easier creation of the Import, its possible to always send the ActionCode=2 (UPDATE). Connect will automatically INSERT a price conditon, if its not available yet.

PriceCondition Number (ContractNo) are exchanged in all data. The specific ContractNo used inside the Order, has to be used inside the following documents as well (Delivery, Invoice).

StockReceipt Export-Interface, from *MLSONline* Connect to the ERP-system of the supplier**HEADER-INFORMATION, Confirmation of Delivery Receipt (only in process Stockkeeping LEB)**

Fieldname MLSONline	Data -type	Format MLSONline	Required	Fieldname export file	MLSONline Connect	Mandatory Frische	Meaning
RECADVNo	Integer		Yes	RECADVNo		X	Number of the Delivery receipt confirmation. The confirmation of a delivery contains the confirmation of a physical delivery and references always to a specific DESADV-number
DESADVNo	Integer		Yes	DESADVNo	String max. 10 characters	X	Reference to the DESADV-number of the delivery
OrderNo	Integer		Yes	OrderNo	Max. 10-digits	X	Reference to the number of the Order
ReceiveDate	Date	2007-07-07	Yes	ReceiveDate	2007-07-07	X	Date of the goods receipt
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits-number	X	ILN-number of the buyer (for Frische always an association of Migros)
StockBranchGID	Integer		Yes	StockBranchILN	13-digits-number	X	ILN number of the storage location
LogisticClassDVGID	Integer		Yes	LogisticClassCode		X	Number of the process, see codes in the appendix

DETAIL-INFORMATION, Confirmation of Delivery Receipt (only in process Stockkeeping LEB)

Fieldname MLSONline	Data -type	Format MLSONline	Required	Fieldname export file	MLSONline Connect	Mandatory Frische	Meaning
SupArtGID	Integer		Yes	CUArtEAN	13-digits-number	X	EAN number of the CU-article
TUSupArtGID	Integer		Optional	TUArtEAN	13-digits-number	X	EAN number of the TU-article, if its a TU-article, „“ if CU-article
QtyDespatch	Decimal		Yes	QtyDespatch	Dezimal xxx.yyy	X	quantity delivered (in CU)
QtyConfirmed	Decimal		Yes	QtyConfirmed	Dezimal xxx.yyy	X	quantity confirmed (in CU)
CUDVGID	Integer		Yes	SellingUnitDeliverCode	„PCE“, „KGM“, „LTR“...	X	Selling unit of the confirmed article, PCE, kilogram, liter,... see codes in the appendix.
DeliveryPosNo	Integer		Yes	DeliveryPosNo	Integer	X	Reference to the Position number (DeliveryPosNo) of the delivery position, sent from the supplier
OrderPosNo	Integer		Yes	OrderPosNo	Integer	X	Reference to the Position number (OrderPosNo) of the order position.
LotNo	String		Optional	LotNo	String	X	Lot-number. Empty, if not lot information

Rule:

The StockReceipt-Export is the confirmation of the delivered goods for a specific delivery, so called „Lieferempfangsbestätigung“(LEB). Based on this information, the supplier has to generate the invoice. It is not allowed to charge an invoice, before the supplier gets the StockReceipt. Inside the StockReceipt, the supplier gets the exact quantities of the received goods. The process must be as follows:

1. Order receipt (Order-Export) or manual reorder (Order-Import)
2. Delivery (Delivery-Import)
3. LEB (StockReceipt-Export)
4. Invoice (Invoice-Import)

If the supplier generates invoices without getting the StockReceipt, these invoices are corrected from the StockReceipt (the amounts), but will never be delivered to the Migros Cooperative Association!

Remitting Advice Export-Interface, from MLSonline Connect to the ERP-system of the supplier (optional)

HEADER-INFORMATIONEN, Remitting Advice (REMADV)

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	MLSonline Connect	Meaning
REMADVNo	String	10-digit-String	Yes	REMADVNo	10-digit-String	Number of the Remitting Advice
REMADVTotalAmount	Decimal	Decimal xxx.yyy	Yes	REMADVTotalAmount	Decimal xxx.yyy	Total amount of the Advice
REMADVNetAmount	Decimal	Decimal xxx.yyy	Yes	REMADVNetAmount	Decimal xxx.yyy	Net amount of the Advice (Total minus discount)
PayerBranchGID	Integer	13-digit ILN-Nummer	Yes	PayerBranchILN	13-digit ILN-Nummer	ILN number of the Payer
CurrDVGID	Currency		Yes	Currency	ISO-Code (3-chars)	Currency code as ISO-Code

DETAIL-INFORMATIONEN, Remitting Advice (REMADV)

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	MLSonline Connect	Meaning
BuyerBranchGID	Integer		Yes	BuyerBranchILN	13-digits number	ILN of the Buyer, for Frische the association of Migros
OrderNo	String	Max. 10-digits	Yes	OrderNo	Max. 10-digits	OrderNo, for which the advice is for
InvoiceNo	String	Max. 10-digits	Yes	InvoiceNo	String. 16-characters	InvoiceNo, for which the advice is for
REMADVDate	Date	Format 2007-05-30	Yes	REMADVDate	Format 2007-05-30	Date of the advice
REMADVTotalAmount	Decimal	Decimal xxx.yyy	Yes	REMADVTotalAmount	Decimal xxx.yyy	Total amount of the advice for this invoice
REMADVNetAmount	Decimal	Decimal xxx.yyy	Yes	REMADVNetAmount	Decimal xxx.yyy	Net amount of the advice for this invoice (Total minus discount)

SubsidiaryBranch **Export-Interface, from MLSonline Connect to the ERP-system of the supplier (optional)**

INFORMATIONEN, Filialverzeichnis (SubsidiaryBranch)

Fieldname MLSonline	Data -type	Format MLSonline	Required	Fieldname export file	MLSonline Connect	Meaning
BranchILN	String	10-digit-String	Yes	BranchGLN	13-digit-String	GLN number of the Partner
REMAADVTotalAmount	Decimal	Decimal xxx.yyy	Yes	MBranchID	String	Migros number of the Partner
BranchTypeDVGID	Decimal	Decimal xxx.yyy	Yes	BranchType	"1" or "2"	Type of the partner (1=Subsidiary, 2=Central delivery place)
SAPNo	Integer	13-digit ILN-Nummer	Yes	SAPNo	String	SAP Number
Name	Currency		Yes	Name	String	Name of the partner
NameAnnex	Currency		Yes	NameAnnex	String	Short name of the partner
AddrShort	Currency		Yes	AddrShort	String	Short address
Street	Currency		Yes	Street	String	Street name
Country	Currency		Yes	Country	String	Country, "CH", "DE",...
ZipCode	Currency		Yes	ZipCode	String	ZipCode
Location	Currency		Yes	Location	String	Location
Deleted	Currency		Yes	isActive	String	1=Active, 0=Deleted(Inactive)
ParentBranchGID	Currency		Yes	ParentBranchGLN	String	ILN of the cooperative to which this partner belongs

Common Codes**Logistic Classes (Type of process)**

Fieldname: LogisticClassCode

1	Stockkeeping (SK)
2	Direct to Store (DTS)
3	Cross Docking (CD)
4	Rackjobbing (RJ)
5	Cross Docking/Stockkeeping
6	Kommissionierlager
7	Stockkeeping VMI (SK-VMI)
89	Retouren No Orders Frische
90	Retouren-Frische
91	DTS-Frische
92	CD-Frische
93	SK-/Flowthrough Frische
95	LILA-Lagerbewirtschaftung
96	LILA-Warenentnahme
97	Direct to Store VMI (DTS-VMI)
98	Retouren (DTS-VMI/Rackjobbing)

Order/Delivery Unit

Fieldname: UnitCode

CU	Consumer Unit
TU	Trading Unit

Selling UnitFieldnames: SellingUnitOrderedCode
SellingUnitDeliverCode

PCE	Piece
KGM	Kilogram
LTR	Liter
CMT	Centimeter
MTR	Meter
MTK	Square meter

Codes for Delivery**Transport mode**

Fieldname: TransModeCode

0	unknown
10	Ship/sea transport
20	Railway
30	Road
40	Air cargo
60	Multimoda transport
80	Domestic water transport

Logistic unit

Fieldname: LUTypeCode

300	Pallet exchange
305	Migros pallet
306	Half pallet
307	Universal bundle BN
309	Universal bundle AN
310	Universal bundle AN
311	Universal bundle B
312	Universal bundle C
313	Universal bundle D
317	Lattice 20 H
319	Universal bundle U
330	Putting lattice 1/1
331	Putting lattice ½
332	Corner columns
333	Heading framework
337	CC-CON (CC-Container)
338	CC-TAB (CC)
339	CC_VKR (CC-square tube)
350	FH (Meat hook)
351	CH (Quarter hook)
352	VH (Carreehook)
360	Tainer
999	Container unknown (Default, if Container unknown)

Codes for Order	
Order error inside the position(Incoming orders for Frische)	
Fieldname:	ErrorStateCode
0	No error
1	Article is not available in the article master data
2	Order is done in wrong unit (CU oder TU)
3	Ordered article is not a Frische article
4	Article is not valid to order (OrderState/SupOrderState)
5	Didnt found a valid price condition
Order type	
Fieldname:	OrderTypeCode
0	Incoming order from MGB
1	Manual order FRISCHE
2	Manual order other process
3	Incoming order (not Frische)

Codes for Delivery	
Delivery State	
Fieldname:	NoDeliveryCode
0	normal delivery
1	Entire order will not be delivered

Codes for Invoice		Invoice correction reference type	
Invoice type		Fieldname: InvoiceTypeRefCode	
Fieldname:	InvoiceTypeCode	„“	No correction (Default)
R	Invoice	R	Invoice
G	Credit note	G	Credit note
N	Debit note	N	debit note
Invoice correction type (only Frische)		VAT	
Fieldname:	CorrectionTypeCode	Fieldname:	VATCode
„“	No correction (Default)	Z1	zero rated for VAT
M	Quantity correction	Z2	reduced VAT, actual 2.5%
P	Price correction	Z3	full VAT, actual 7.7%