B2B Interface

Materials Control

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B2B Interface:

Meaning

This Interface enables the Electronic Ordering and Receiving from Supplier with the predefined supplier article catalog.

This Interface is using ASCII files for Purchasing and Ordering, which can be exchanged either per E-Mail or per FTP transfer.

In order to use this Interface, your supplier needs to have the Infrastructure to Import your E-Order and to Export the E-Delivery note for your MC System.
Herefore the Supplier has to create a delivery note with the Materials Control Standard given to him. For this reason the B2B Interface cannot just be used for any Supplier, since again the Supplier needs to have an adjusted Interface on his side also.

For Standard Interface Structure please contact your EMEA Team.
Two Interfaces are offered right now, which a license is needed for.

EBS Standard Interface   Article Catalog, Electronic Ordering and Receiving
EBS Enhanced Interface   Article Catalog, Electronic Ordering and Receiving with Expiration Dates, Batches and Manufacturing Dates

After all needed Adjustments on the Supplier side are finished and the delivery note and article catalog can be loaded during Test phase in MC, we are ready to install the IFC.

INSTALLATION OF B2B INTERFACE

Go to Masterdata > Supplier

Choose your Supplier and enter the your Supplier Customer Number.
Define other needed Information like Currency, Taxes e.g. . For E-Ordering by E-Mail the
E-mail Adress addressing the Purchase Order to, needs to be entered

Next step is to choose the Interface you are using with this Supplier. In this
Documentation we are explaining the EBS Enhanced IFC, since this is the same as EBS
Standard IFC but has additional Information delivered to your MC System (Batch
numbers, Expiration Dates, Manufacturing Dates).
The other two EBS Interfaces EDEKA EBS and EDEKA 2 EBS are custom defined
Interfaces for the EDEKA Supplier in Germany.

Materials Control will confirm successful loading of Interface with the following message.
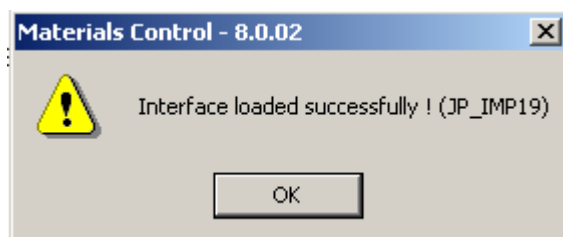
For E-Ordering tick the "Use e-commerce Order" parameter and for E-Receiving the "Use
e-commerce Receiving" Parameter.

Go to next tab Customer Numbers and enter the Suppliers customer number for the Cost Center/Store you want the delivery note to be created for. This can still be adjusted manually when creating B2B delivery note in MC.
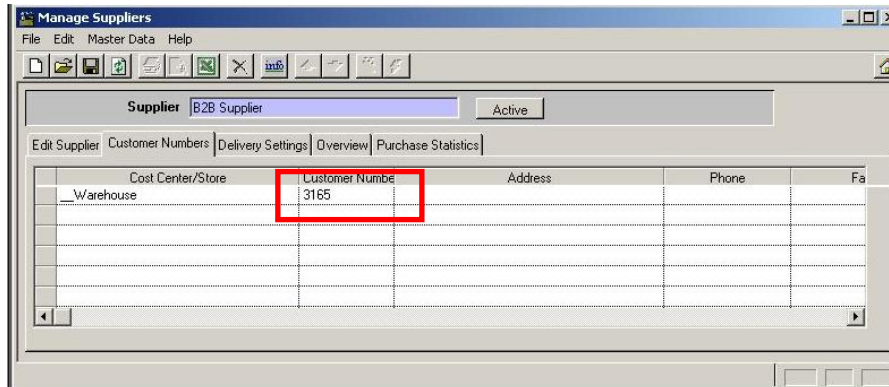
Go to Purchase > B2B Solutions and choose tab Advanced Options.

Choose your supplier and button Load Interface.
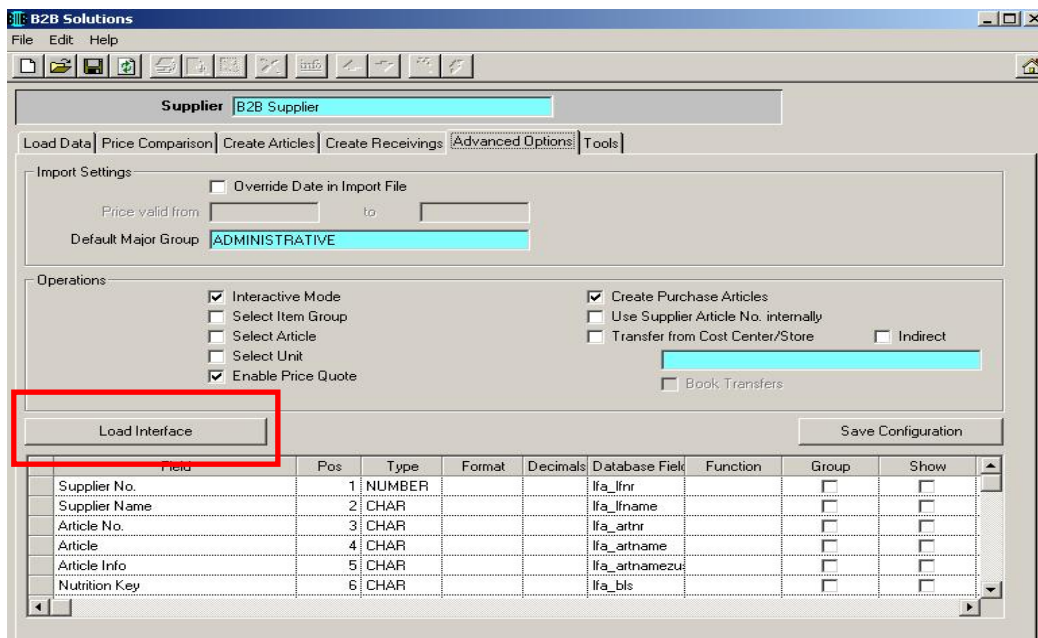
Again here choose either EBS Standard IFC or EBS Enhanced IFC.
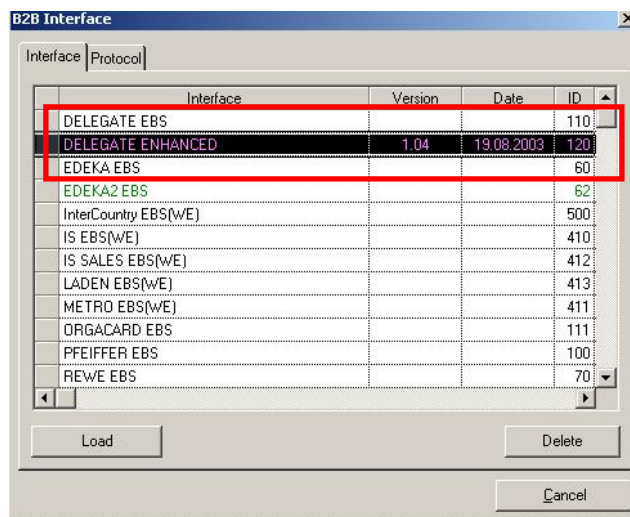
Materials Control will confirm successful loading of Interface with the following message.
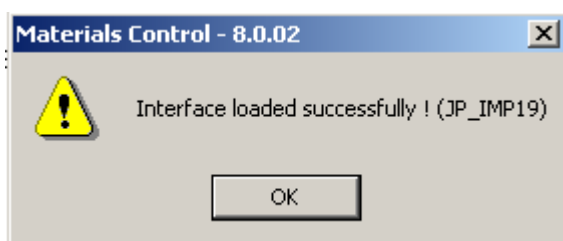
Following options can be used for the B2B Supplier:

<u>Import Settings</u>

Override Data in Import File   if the Price Validation is not correct in the import file it can be overwritten with this parameter

Default Major Group   a default Major Group must be defined for Masterdata Import and also for Import of the Article Catalog
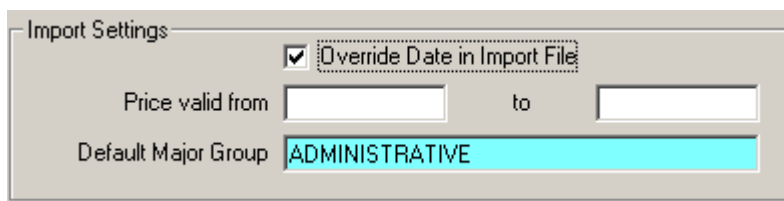
<u>Operations</u>

Interactive Mode   is allowing the user to choose Item Group, Article and Unit when creating new Articles from Article catalog

Select Item Group   this parameter is needed, if Interactive Mode is not used. By ticking this, you are allowed to select the Item Group when creatin articles from article catalog

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Select Article	this parameter is needed, if Interactive Mode is not used. By ticking this, you are allowed to select the Article when creating articles from article catalog
Select Unit	this parameter is needed, if Interactive Mode is not used. By ticking this, you are allowed to select the Unit when creating articles from article catalog
Enable Price Quote	this parameter is allowing to Enable the Price Quote directly when creating new article from Article Catalog. This Parameter can be turned on either with our without Interactive Mode.
Create Purchase Articles	If you are using Purchase Articles, these can be created directly with link to the stock article or can be created and linked to an existing stock article.

Use Supplier Article No. Internally

Supplier Article No. will be used as Internal Article number

Transfer from Cost Center/Store

Customized interface for transferring delivery notes directly to a cost Center with additional charges

Indirect	see Transfer from Cost Center/Store
Book Transfers	see Transfer from Cost Center/Store

After all your options are defined, please klick on [Save Configuration].

ARTICLE CATALOG CONFIGURATIONS

NOTE: Article catalog and delivery note need to be adjusted for Materials Control needs. For this please contact your MC EAME Team.

Tick parameter Article Catalog for importing the Article Catalog to your system.
Since we loaded the IFC in the advanced options already has the Interface defined.
The Article Catalog file needs to be stored in a predefined path, which is in our example C:\program files\materials contro\b2b Article and the file name dgifprod.ssv for the Article Product catalog.
NOTE: If you are using Headquarter Database with Replication to store Database, then the Article Catalog IFC needs to be installed ONLY in Headquarter. Do NOT Install loading delivery notes in HQ database.

The "After loading" parameters are only useful, if you have the Article Catalog and delivery note loading defined in Scheduler. This way, the scheduler automatically "Compares and updates Prices" and "Creates new Articles (Price Quotes).

To define this Scheduler job, Go to System, Scheduler and create new job

BIIB Read and Update Prices/Receivings
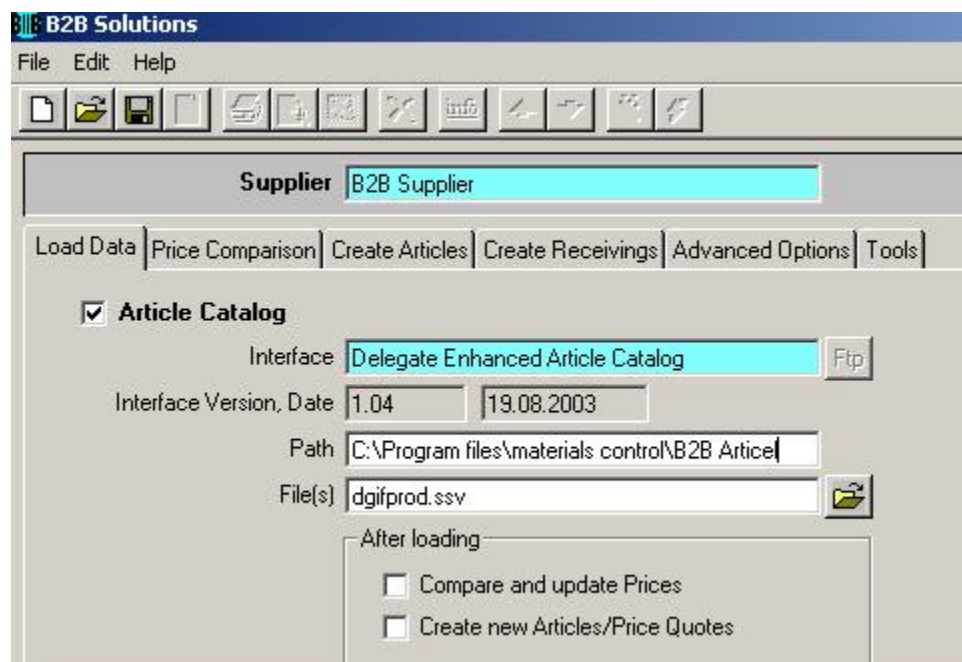
For loading the delivery note also the Interface is already defined, since we loaded the IFC in the advanced options already.

For delivery note a different path should be defined than for the Article catalog.

NOTE: If you are using Headquarter Database with Replication to store databases, the delivery notes IFC should ONLY be installed in the store database and NOT Article catalog in the store database.
To make sure, that no articles can be created in the store database Go to System>Configurations>IFCB2B and set NO_ART_CREATE Parameter to T.

The "After loading" parameters are only useful, if you have the Article Catalog and delivery note loading defined in Scheduler. This way, the scheduler automatically "Compares and updates Prices" and "Creates new Articles (Price Quotes).

To define this Scheduler job, Go to System, Scheduler and create new job

BIIB Read and Update Prices/Receivings

Once you have defined the Configurations for your needs, please klick on

.

Configurations are now prepared for loading the article catalog.

LOADING ARTICLE CATALOG

Klick on to load the article catalog. In bottom screen the system will tell you, that the buffer is being refreshed. After loading is finished Go to Price Comparison.

The Price Comparison is a function to link existing Price Quote with Supplier price quote and updating prices afterwards.Open up the to get Filter Option, which includes B2B Filter with the following options:

Show All	Shows all Price Quotes existing in your database
Linked Articles with different Price	Shows all Linked Price Quotes with different Price
Unlinked Articles	Shows all Articles that are not linked yet
Only Listed	Shows only Articles, that are existing in loaded catalog

Choosing "Unlinked Articles" will display all Articles without Link to Supplier Price Quote in Top screen. These can now either be linked manually or via Auto Link.

Why link the Price Quotes with Supplier Price Quote ?

Since the name of your internal Price Quote and the Suppliers name can be differing the Quotes need to be linked to oneanother. This is giving you more flexibility in using the descriptions that make the most sense for your daily operations.

Following functions are available to link the Price Quotes:

Auto Link   If you click on Auto Link, MC will compare Supplier article number with your existing Price quotes and give a suggestion for linking them

Show all Articles   Shows all Articles in loaded Article catalog

Search Pattern	Enter article name you are looking for and cursors jumps on this article in bottom screen
Next Unlinked	If you are linking Price Quotes manually, the cursor will jump to next unlinked article
Link	For manual linking you have to highlight Price quote in top screen and price quote from article catalog in bottom screen and click on link
Link….	Same function as linking but cursors jumps automatically to next line
Unlink	Unlinking Prices Quotes

In the top window, where you see your existing Price Quotes en/-disabling (E/D) and defining price quote as default quote (DPQ) is also possible.

AUTOLINK

To Autolink select all Unlinked Articles in top screen and choose Autolink Button. Now the system is comparing the Article No. with Supplier Article Number and suggesting to link these, but filling the Supplier Article screen with the Name in Green colour. To link these with another klick on Save and the Link is completed.

MANUAL LINK

For manual link mark wanted Price Quote in Top screen and MC will find linkable Article automatically in Bottom screen.
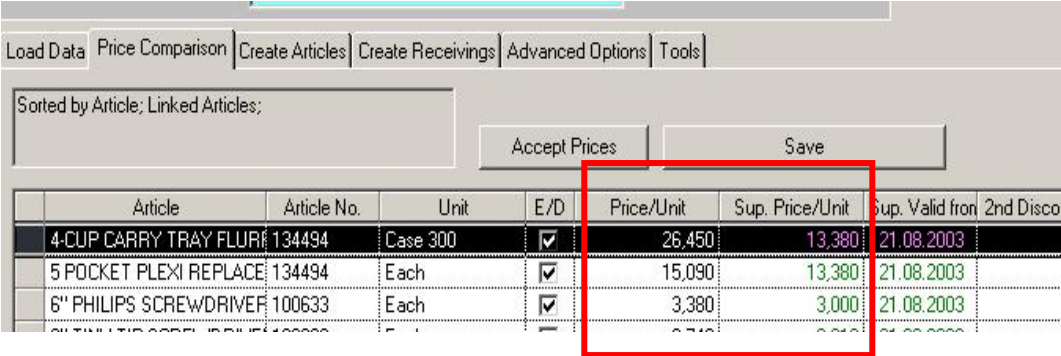
All Price Quotes not linked to Suppliers quote will now be available in tab Create Articles, which will be explained in next capital.

UPDATING PRICES

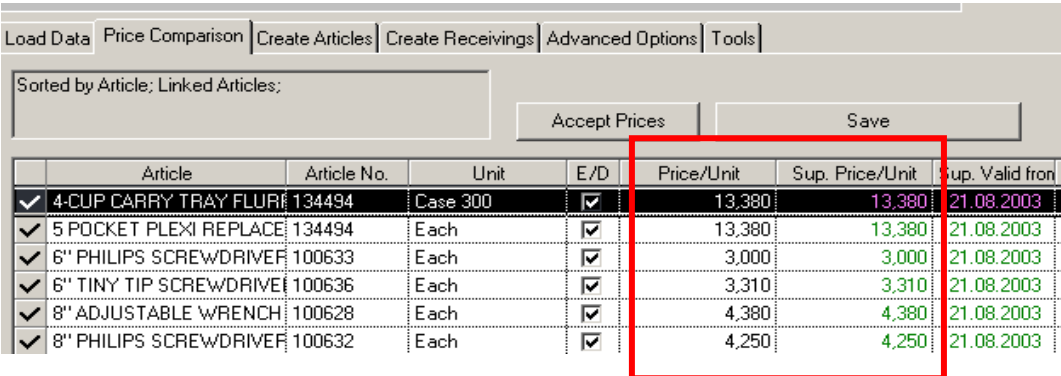After the link has been completed, the price are NOT automatically updated. To update

prices choose [icon] and choose B2B Filter "Linked Articles with different Price".
This system will now show only Articles, that are linked, but the Price is differing from the Price in the loaded Article catalog.
If the Supplier is providing you with Validations for Price Quotes, these will also be updated in your MC Price Quotes.

In below screen, you see, that Price/Unit is differing from Sup. Price/Unit, since the Supplier has lowered the Price for the highlighted article.
Accepting Prices can now be done either manually or by highlighting a certain amount of lines and klicking on Accept Prices.
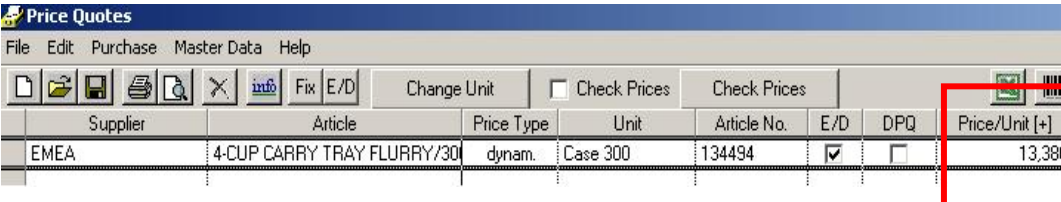

After Accept of Prices, MC will update the Price/Unit and the Sup. Price/Unit, which will update your existing Price Quotes by klicking Save Button.

CREATE ARTICLES

In B2B Interface you can either Create Articles from Article Catalog in Tab „Create Articles" or directly from loaded Receiving, which will be explained in Chapter 3.

Depending on the Information, your supplier is giving you through the Article Catalog import, the Item Groups will be shown.

Click on an Item Group and the unlinked Articles are displayed in Article Screen. You can now either Pick the Items one on one, pull down the whole list or Select All. To Create the Articles click now on Insert Articles button.
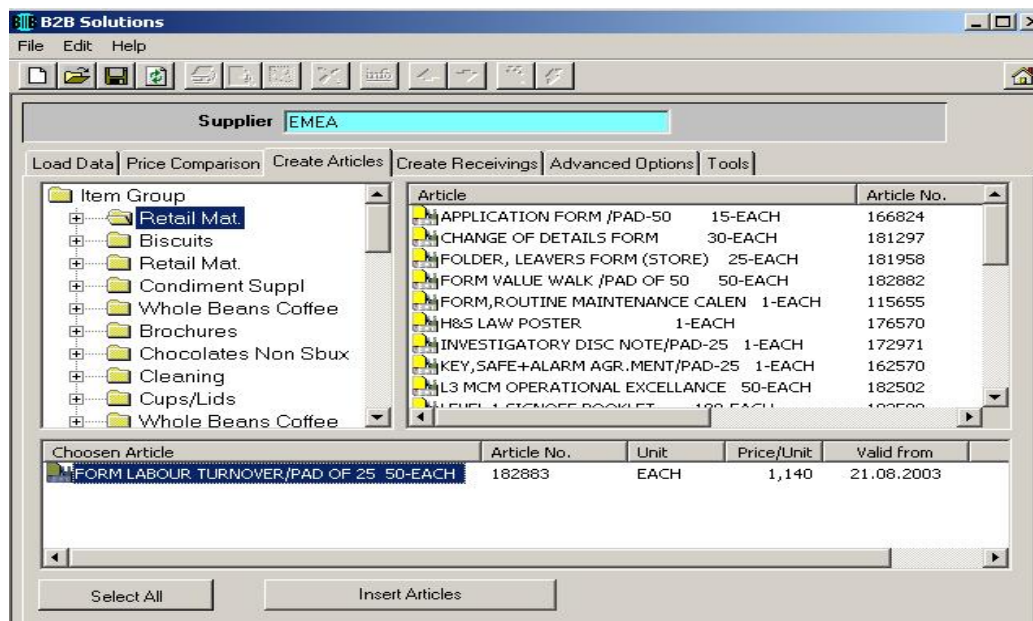
Depeding on your Configuration Settings in Tab Advanced Options you will be able to define the following information:

Purchase/Store Article No.	Depending on System>Configurations> FBV8.ini > Custom > Articlenumbers
New Store Article	Name of Store Article
New Item Group	Name of Item Group
New Purchase Article	Depending on settings in Advanced Options you can create Purchase Article directly from here. NOTE: Purchase Article Name and Store Article Name need to differ
New Base Unit	Base Unit of Store Article
New Unit	Unit of Price Quote
Enable Price Quote	Depending on Settings in Advanced Options you can Enable the Price Quote directly from this mask
HACCP required	To define your article to be a batch article, you should enable this option
Fixed Ord. QTY	The fixed QTY for the price quotes can be defined directly from here

MC will always check, if information is already existing. In this case, the NEW Tick will not be activated and all other Information will be added to existing Info.
In case, that your supplier is using a forreign currency, the system will automatically fill the forreign currency field in the price quotes.

Once everything is defined, click on

|	
Save	For Creating new Article and enabling Price Quote
Link	For Linking to existing Price Quote
Skip	For moving to next available Item
Cancel	For closing the entry mask

After saving, a new article is being created in Masterdata > Articles with correct Last Purchase price.
NOTE: If you created a purchase article, the internal article will be defined for "Use only on Stock".

DELIVERY NOTE CONFIGURATIONS

After successful loading of Article catalog, you can now Create Purchase Orders by E-Commerce.

Go to > Purchase > Purchase Order and place Purchase Order. Since you defined the supplier to use E-Commerce Ordering and entered the Suppliers Email Address, when Ordering the Purchase Order an Email with the Attached Purchase Order will be sent to the Supplier.
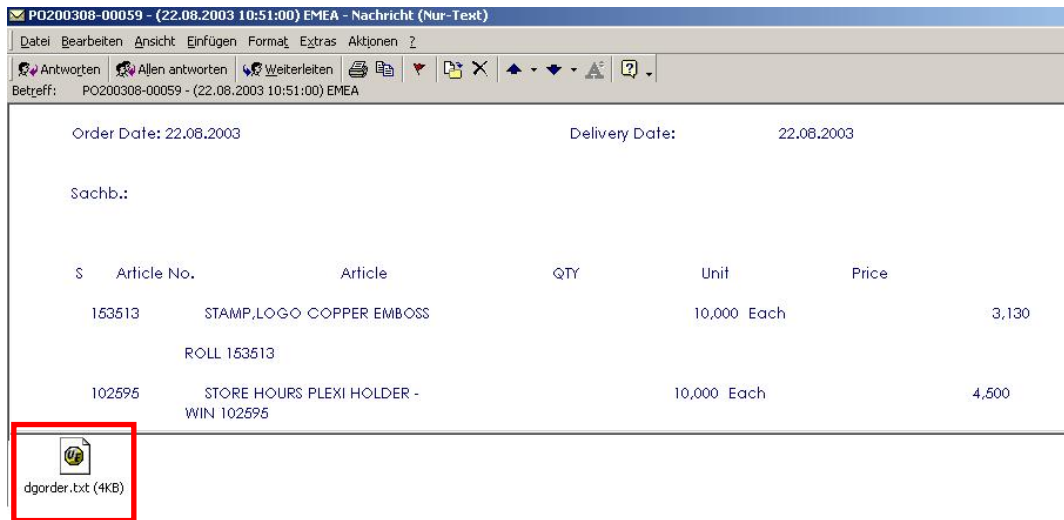
Once the Supplier answers with the delivery note attached, you have to save the file to the predefined Path on your MC Server. This of course, can also all be done via FTP.

The naming of the B2B Ordering file can be defined in System > Document Numbers > POSEQ001 for the suppliers needs.
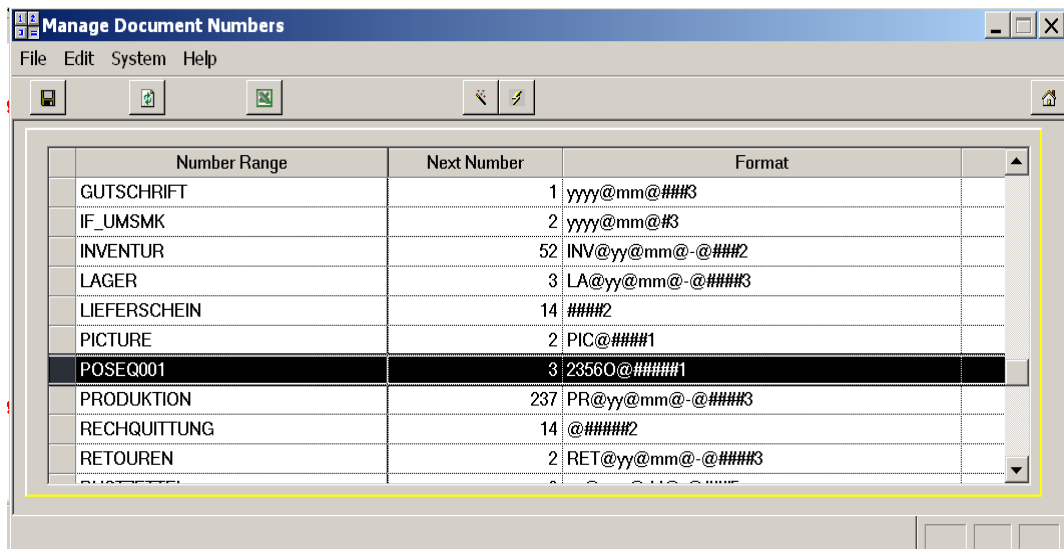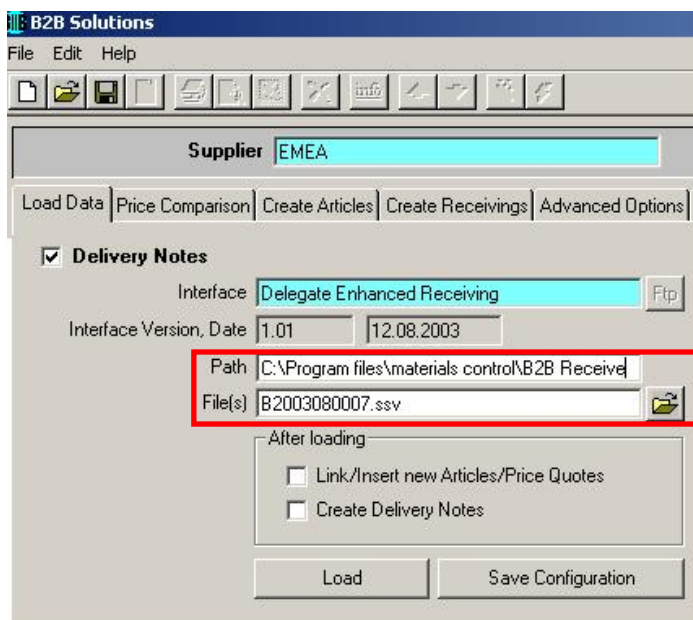
Same as in Article Catalog, if using Scheduler Job for loading the Delivery Note, you can have automatic Link and Insert of new Articles/Price Quotes or automatic Creation of delivery note.

For Manual loading click on Load button.MC opens up Create Receivings Tab, from where the Delivery note can be created.

If the system find some differences with the loaded articles and the Articles existing in the Price Quotes or Master Data, it will show in the following colors and give the following errors in the error field further to the right.

ERROR: Not existing in Buffer Table   means Article not yet created in buffer table. In this case, you have to click on create Article or create new Article in Headquarter DB.

WARNING: Existing just in Buffer Table   means Article in buffer table, but not yet linked/created Quote Created Price quote and link it

INFO: Existing in Buffer Table and in Price Quotes, but not yet linked
means Article is existing in buffer and in Price Quote - it is Article that was once linked
just click on create article, and the article will be linked

No Cost Center defined   means no CC defined (wrong Customer number)
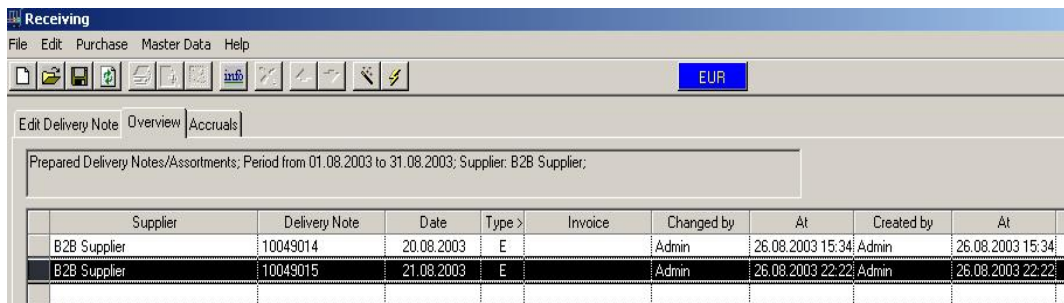Either define the Cost Center manually with Cost Center button or define Customer number in Masterdata > Supplier

Meaning of Function Buttons in screen:

Cost Center/Store	for manual definition of Cost Center/Store
Create Article	Open Create article Mask (see also, Insert Article in Create Article Chapter)
Delete	unwanted Articles in delivery note can be deleted from here
Create	Creates delivery note
	Creation of delivery note is only possible, if the above mentioned status are OK and no information is missing
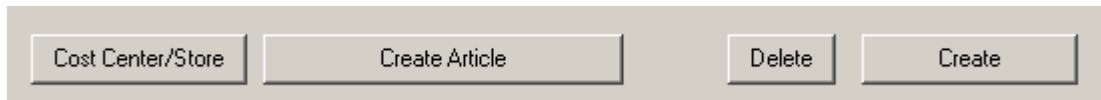
Once the Status for the articles are OK, you will be able to create the Delivery Note. If delivery note has been created already, MC will bring a message, that the document is already existing.

After Creation of delivery note, Go to Purchase > Receiving and klick on and choose Open/Assortments Filter. All your prepared delivery notes will be shown, and you need to doubleclick on your just created document.

The delivery note has now, different to regular receiving from PO, a filled Status in Field S. In order to compare the Receiving with the Placed Purchase Order click on the Lightning icon.

Top screen will now give you choice of existing Purchase Orders for your supplier. Please pick your needed Order by doubleclicking on it.
Top screen is now showing the variance between Purchase Order and delivery note.
If there is no deviation, the Status field will be empty.
If the delivered quantity is lower than PO Status is called **UD** for underdelivered.
If the delivered quantity is higher than PO Status is called **OD** for overdelivered.
If the delivered price is higher than the PO Price than the Price Status is called **OP** for overpriced.
If the delivered price is lower than the PO Price than the Price Status is called **UP** for underpriced.

If the Status is Unknown (e.g. Article not ordered, Replacement) Status is **?** .

If using EBS Enchanced Interface Batch Processing Information can also be imported for the delivery note.

When Booking delivery note, please decide, if you want to keep the PO open as partially delivered or by ticking "Close Purchase Order" in booking dialog to close the PO.
All deviations will be of course be shown in Purchase > Purchase Analysis > Purchase/Receiving deviation by Supplier and in Price Variance statistic.

TOOLS

In B2B the Tools tab has the following functions:

Export to MS Excel	Article Catalog can be exported to Excel This is Exel B2B Interface, for uploading Price Quotes in updated Excel Sheet
Create Assortment	for Future use
Cleanup Article Catalog	allows deletion of once loaded article catalog With various options
Map Item Groups	Supplier Item Groups can be linked with MC Item Groups for uploading article Catalog
Show Log	Shows Logfile