

Bulk Order

Detailed net change report

Subject: Net change report for the contents of Bulk Order development phase 1 (BO1) and 2 (BO2).

From: Lawson Product Development

To: Everyone

Abstract

Written by
Date
Version

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2009-09-04
v1.0

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1 Overview

1.1 Background

In a fashion environment there is a need to establish bulk order agreements with customers. A bulk order agreement is an overall demand that can not be shipped. It is placed early in time, either manually or received via EDI. A bulk order agreement states items and quantities that a customer plans to buy and hence also that is needed to supply.

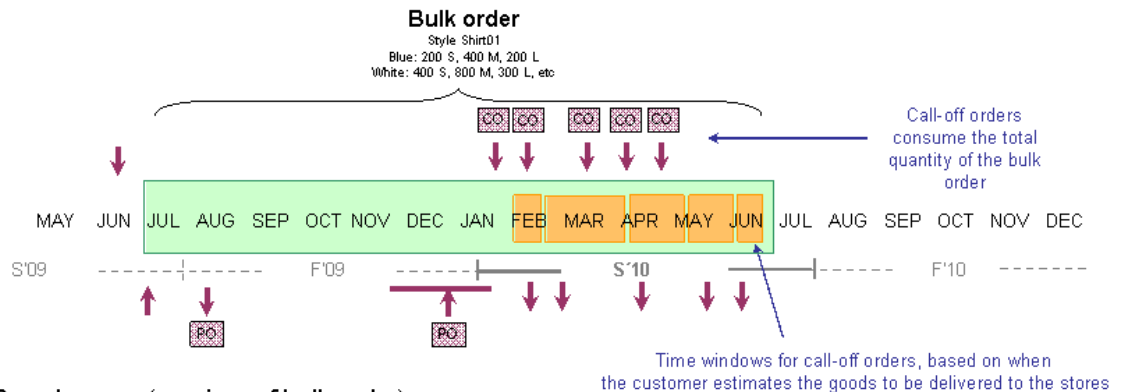
The general requirement for bulk order handling runs across sales, planning, manufacturing and procurement. The focus is around sales to drive the sourcing through manufacturing and purchasing. In the picture below the bulk order concept is explained with a time line. It is an example for purchased goods. Manufactured goods would behave in a similar way, but creating production orders instead of purchase orders.

The life cycle of a bulk order (purchased goods)

Example: Season S'10 (Spring/Summer 2010)

Customer:

1. Customer sends a preliminary bulk order with quantities they wish to order and the time windows in which they want the goods delivered.	4. Call-off orders are usually sent shortly before shipping – approx 1 week before – and includes the actual shipping details.
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Brand owner (receiver of bulk order):

2. Bulk order is confirmed by the supplier and released. The planning of acquisition is started.	3. Brand owner makes sure that goods are in stock or on the way when the call-off orders are received.	5. Brand owner sends goods to the customer according to details on the call-off orders.
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Stakeholders of using Bulk Orders:

- Customers want to place orders early in the process to reserve capacity and material at the manufacturers and suppliers.
- Manufacturers and suppliers want early commitments from customers before ordering fabric and before booking capacity and starting the final cutting and sewing.

For the end customer (typically a department store chain) the placing of a bulk order indicates a level of commitment. Their expectation is that, having given suppliers an early commitment, the supplier (who is typically the M3 customer) will be able to supply according to the details on the distros (also called Call-offs).

Distros are received against the bulk order as a customer order - including all information about the store address distribution, delivery date etc. The distro will reduce the remaining quantity on the bulk order.

Since a bulk order agreement is created before any customer order lines are created it means that we need to replenish the items based on some sort of forecast. Previously this has been solved by creating a forecast record and let the forecast drive the material plan. The drawback with this is that this planned supply order is available for all demands i.e. not only for the customer on the bulk order agreement demand that in fact initiated this.

Bulk orders make it possible to update the material plan with a demand (order category 030) that can be seen as a customer unique forecast that can only be consumed by the same customer or customer within a business chain if this would be a chain agreement. This demand can be used to reserve capacity, commit greige fabric and order fabric as early as possible in the order cycle. The suppliers will manufacture to the bulk order – so manufacturing orders for end garments and/or sourcing orders are generated for the final garments based on the bulk orders.

1.2 Terminology

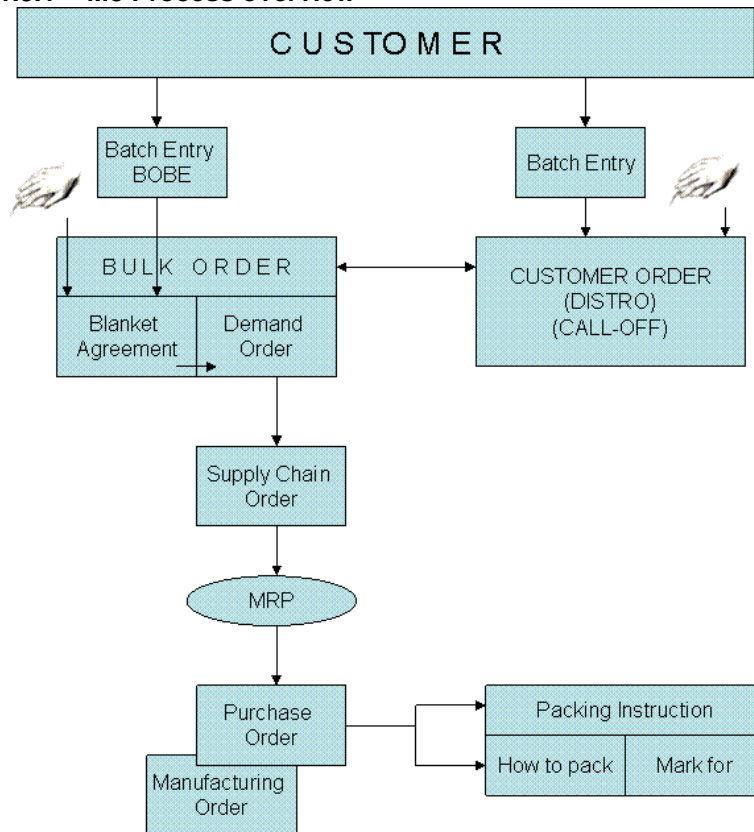
Bulk Order	=	A combination of M3 functionality Customer Blanket Agreements and Demand Orders. Functionality developed described in this document.
Supply Order	=	An acquisition order which can either be a purchase order or a manufacturing order.
Distro	=	A M3 Customer Order or Distribution Order that consumes the bulk order quantities. This term is used in the US market.
Call-Off	=	This is the same as a distro (above). This term is used in the European market.

1.3 Solution overview

The solution is based on the existing Customer Blanket Agreements, Customer order, Demand order and Supply chain order functionality.

The prerequisites for using Demand order and Supply chain orders as well as all functionality in these areas are not described here. We refer to the NCR documentation for respective functionality.

1.3.1 M3 Process overview



A bulk order consists of two entities: a customer blanket agreement and a demand order. The customer blanket agreement represents the commercial part of the commitment including quantity tolerances, time frames, etc. The demand order is created from the customer blanket agreement and represents the logistic part from which the supply is created.

1.3.2 The workflow

A bulk order toolbox program is used to have a common entity for the different parts of a bulk order. One program from where you can reach the customer blanket agreement, the demand order, the supply chain order and the distro. This is also a program from where you can administer the bulk order regarding status, where you can view the history etc. New bulk orders are created either manually from this toolbox or via API programs.

When the customer blanket agreement is released, a demand order will be created automatically. The demand order will be the driver to create a supply to the demand we know will be coming in later as a distro (call-off). How the supply will be created is determined by the settings on supply chain policy and item/warehouse.

The supply is fully pre-allocated to the demand order, and therefore protected from being used by other demands. When the acquisition order is received into stock it will be fully allocated against the demand order and therefore still being protected.

When entering a distro (call-off) for an item that is using the bulk order agreement and the related acquisition order has been received, the allocation on the demand order will be switched to the distro (call off) line. The distro line is consuming the bulk order.

If ~~entering~~ a distro (call-off) order is entered before the acquisition order has been received, the supply chain header for this distro (call-off)/customer order line will get status 10 and the order line itself will stay in status 22. Later, when the acquisition order is received, it will automatically allocate all the distro (call-off) lines that are connected to the bulk order and related demand order.

The distro (call-off) will show as consumption on the bulk order and reduce the remaining quantity.

1.4 Known limitations

- The distro (call-off) could be a customer order or a distribution order. In the first phase of bulk order functionality, we only support customer orders as distros.
- There must be a supply chain policy connected to all bulk order items.
- Pricing works via the normal price hierarchy and functionality.
- Bulk orders are on SKU level directly, no refining from style or style-color in this solution. However you can enter the Bulk order details on a style or style color level with an automatic distribution to the SKUs using distribution templates.
- No consumption between different levels (Style, SKU) in a bulk order. The distro (call-off) will consume bulk order on the same level as the bulk line. A distro on SKU level will consume a bulk order on SKU level. A distro on pre pack level will consume a bulk order on pre pack level.
- Superior levels are not allowed on an agreement type (OIS063) where bulk orders are activated.
- There is yet no link between CO (distro or call-off) and packing instructions.
- Existing limitations for demand orders and supply chain orders apply also for the bulk order functionality.
- No additional functionality has been added for a distro to find a bulk order. Standard functionality for a customer order to find a customer blanket agreement is valid. However a distro (call-off) only finds bulk orders and a customer order only finds non-bulk orders.
- No statistics are created from the bulk orders. If statistics are needed as input to creating forecasts, the data needs to be exported (e.g. to Excel) and thereafter imported to a sales budget.
- In case of shortages, MRP will create new order proposals for supply – not using a supply chain order. Consequently the demand order for the bulk order line will not be pre-allocated to this supply order automatically. Connecting the MRP created supply to the bulk order needs to be done manually via "Pre-allocation. Perform detailed" (MWS121) or by manually regenerating the SCO via "Supply chain header. Open" (RPS200). The latter alternative will create a SCO generated supply to be used instead of the MRP supply.

2 Settings

2.1 Basic settings – new or changed programs

2.1.1 Changed program OIS063 - Customer Blanket Agreement type

On the Customer Blanket Agreement Type (OIS063/E) new fields have been added to support the bulk order functionality. These parameters are only active for bulk orders, i.e. when the first new parameter Bulk Order is activated.

The screenshot shows the configuration interface for a Customer Blanket Agreement Type. The 'Agreement type' is set to 'BO'. The 'Details' section contains the following fields and values:

- Description: Bulk Order agreement type
- Name: Bulk Order
- Superior groups:
- Agreed prices:
- Net price used:
- Chain agreement:
- Qty check: 2-Warning
- Summed qty:
- Bonus gen: 0-Does not affect
- Commis gen: 0-Does not affect
- Season in use:
- Bulk order: (highlighted with a red box)
- Bulk no series: 1
- Demand ord type: DEO
- Auto print:
- Document layout: 2-Matrix layout
- Price orig seq: 621

New parameters:

Table: OAGRTP			
Field ID	Field Name	Valid options	Description
BUOR	Bulk order	0/1	Activate if the agreement type should be used for creating bulk orders.

BUID	Bulk order number series		Select a number series from CRS165. Mandatory when bulk order parameter (BUOR) is active, otherwise invalid.
DEOP	Demand order type		Select a demand order type from RPS120. Mandatory when bulk order parameter (BUOR) is active, otherwise invalid.
PRTB	Auto print	0/1	Activate the parameter if the bulk order confirmation document OIS631PF should be printed automatically when the bulk order is released.
PRTD	Document layout	1 2	Determines the layout on the bulk order confirmation document OIS631PF 1 = list layout 2 = matrix layout
PRMS	Price origin sequence	1 2 6	Determines where the guide price is to be found. 1 = price in item file 2 = price list from selection table 6 = price set on agreement

Bulk order (BUOR)

This checkbox parameter defines if the agreement using this agreement type is considered to be a bulk order agreement or a customer blanket agreement. It must be set in order to be able to create a bulk order.

When creating a bulk order, this parameter is copied to the bulk order header (OAGRHE) and all functionality is validated against the parameter on the bulk order header. However, it is important to know that the field on a bulk order header cannot be viewed or changed.

Bulk number series (BUID)

When a new bulk order is created, this field defines which number series should be used (from CRS165) for automatic creation of the bulk order number. This can be manually overridden. The field is mandatory for bulk order agreement types (agreement types which have the bulk order parameter set).

“BO” is the valid number series type for Bulk order number series in CRS165.

Demand order type (DEOP)

This field defines the demand order type to be used when this is automatically created from the release of a bulk order. The field is mandatory for bulk order agreement types, otherwise it is invalid. Order types for demand orders are set up in RPS120.

Auto print (PRTB) & Document layout (PRTD)

These parameters control the layout of the bulk order confirmation and if it is printed automatically when releasing a bulk order. For non-bulk orders the order confirmation is printed in list format. With this parameter you can also have it printed in a matrix format.

Price origin sequence (PRMS)

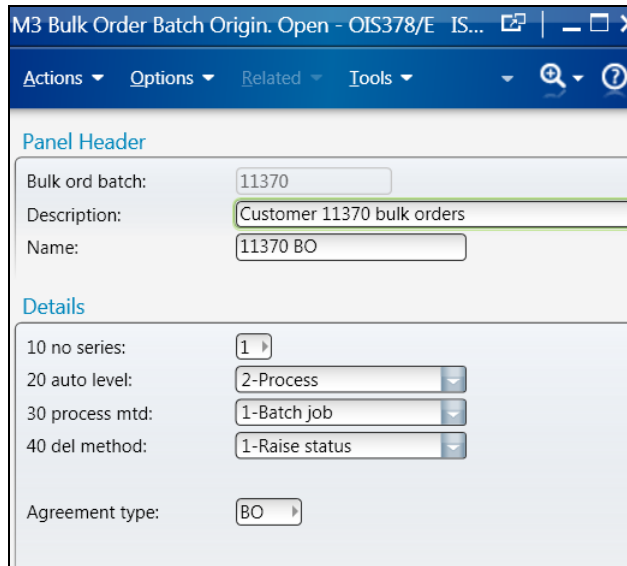
For bulk orders, a 'guide price' has been introduced. The guide price is defined later in this documentation (see chapter 3.2). This parameter controls how (in which order) this price should be found in M3 and in which order. A corresponding parameter for the distros can be found on the customer order type (OIS010/J).

Existing parameters which are affected by bulk order functionality:

Superior groups – This field needs to be unchecked. This means that the agreement line needs to be created on item level and that the warehouse used when creating the Demand order is the warehouse defined in the bulk order header.

2.1.2 New program OIS378 – Parameters Batch Origin

In order to have a flexible solution, a parameter program has been created in which you do settings on how the bulk order process should work based on the Bulk Order Batch Entry (BOBE) using the API program OIS370MI. This is done per batch origin, and could be overruled by customer within each batch origin. A batch origin could for example correspond to a customer number, and is used as an identifier for an external system.



Parameters:

Table: OIBBOR				
Field ID	Number	Field	Valid options	Description
BB10	10	Number series	Series type BO	Enter a new number series for bulk order agreements created via BOBE transactions. The

				number series on the agreement type is overruled.
BB20	20	Auto level	1 - Order entry 2 – Process	1 - The validation and process is performed manually in BOBE 2 – The validation and process is performed by the FinishEntry-transaction.
BB30	30	Process method	1 - Batch job	Only option 1 is available.
BB40	40	Delete method	1 - Raise status 2 - Delete record	This parameter handles if deleted records should be physically deleted from the file or if the deletion raises the status.
AGTP		Agreement type		Select a bulk order agreement type from OIS063 for the bulk order created.

2.1.3 New program OIS379 – Parameters Batch Origin exceptions

The same parameters as are available for the Batch Order Entry Origin in OIS378 are also available for the exception handling of these. Exceptions are set up at customer level in OIS379 and are connected to a BO batch origin entity in OIS378.

Parameters as for OIS378.

2.1.4 Changed program CRS424 – Application messages

A new application message 370 has been activated (CRS424), enabling error messages from the bulk order batch entry (BOBE).

Mtp	Name	Active	PFI
370	Errors were detected during entry of bulk batch orders.	1	0
401	Customer order rescheduled	0	0

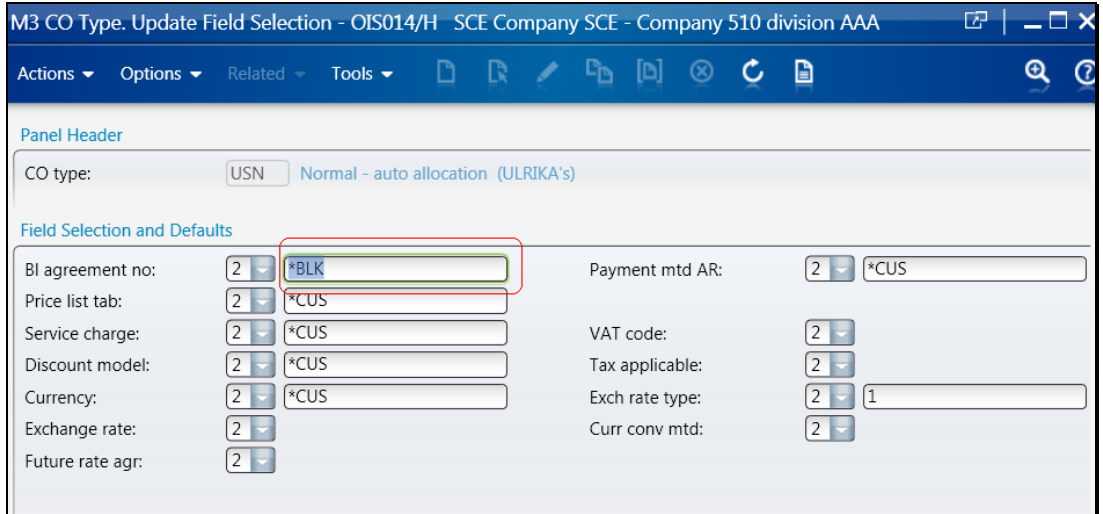
2.1.5 Changed program OIS014/H – Field selections

A new field has been added for customer order types field control (OIS014/H) in order to make it mandatory to enter a blanket agreement number (meaning bulk order).

The purpose of this field is to control the bulk order process. When customers send a distro (call-off) it should consume a bulk order. If no bulk order is found, customers need to be informed of that.

Distro (Call-off) order types:	field control activated to *BLK.
Ordinary customer order types:	nothing in this field control

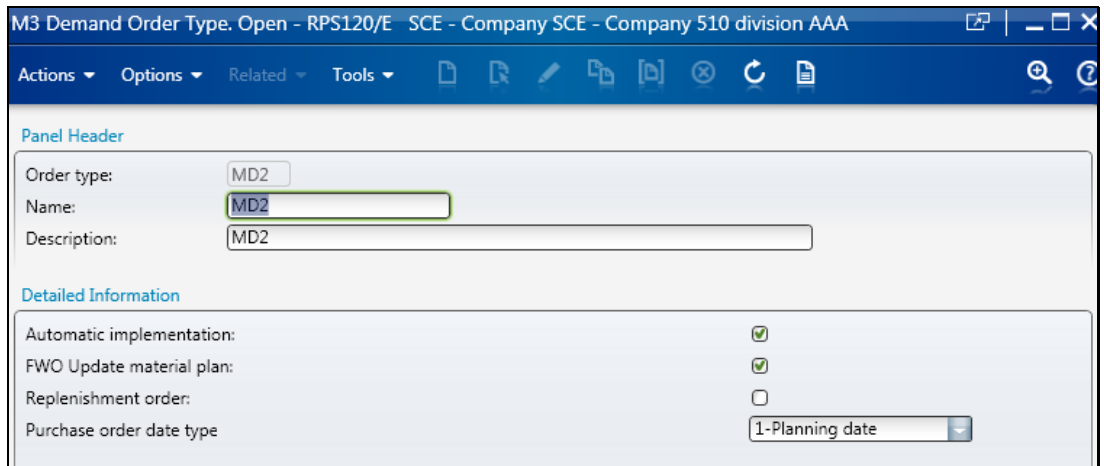
This setting is also used for the added warehouse control when finding valid agreements (see chapter 8.1).



2.2 Basic settings – existing programs

2.2.1 Demand order type (RPS120)

A demand order type needs to be set up in RPS120.



For details on the parameters on the demand order type, see standard documentation for demand order.

2.2.2 Supply Chain Policy (CRS709)

The supply for a bulk order is driven by supply chain order functionality and is based on the demand order which is created for the bulk order upon release.

The logic for the supply of a bulk order is driven by the supply chain policy which is set up on item/warehouse (MMS002/E).

M3 Item. Connect Warehouse - MMS002/E SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Item

Item number: MDS021-200-M W Suit Jacket
Warehouse: 001 Stockholm

Planning Parameters

Note:

Planner: 11907 Facility: FA1
Acquisition cd: 2-Purchased Period frame: 1 Normal 5d4w9m
Planning method: 1-MRP Planning policy: 00 Store items
Mastr scheduled: 0-Not mstr sch it Supply c policy: MD5 BO autofind

Admin lead tm: Cont net change:
Postal lead tm: Plan horizon: 150
Supply lead tm: Safety time: 2
Transp lead tm: 3 Demand tm fence:
Inspec lead tm: Planning tm fence:
Lead time: 3 Seasonal item:
Status: 20-Released F/C method: 00 MANUAL FORECAST
F/C logic: 01 JPM Forecast Lo
Order type: MD1 Normal PO Supplier: 7500 Henriks Su
Supplying whs: Multiple supply: 2-Multiple

There are several parameters on the supply chain policy (CRS709) which are used to control how demand orders are supplied for.

Two parameters which are especially important in controlling how the supply chain order drives the acquisition for the demand order are Stop supply chain execution (SSCE) and Link existing order (NAUL).

M3 Supply Chain Policy. Open - CRS709/E SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Panel Header

Supply c policy: MD5
Description: BO autofind
Name: BO autofind

Detailed Information

Attr model:
Order link type: 1-AutoToPreAlloc Create in batch:
Stop SC expl: 1-Stop explosion
Link exist ord: 2-Automatic
FIFO link: Auto find s c: 1-Release order
Allocate stock: Mult ord links:
APS tolerance: 0.00 Safety tme ctrl: 0-Always
Mtrl upstream: 3-Always Upstream prio: 2-Planning date

Table: MSCPOL			
Field ID	Field Name	Valid options	Description
SSCE	Stop supply chain execution	0 = Continuous explosion 1 = Stop explosion 2 = Continuous explosion DeO	0 - Supply chain order will always generate a new acquisition order for the demand order. 1 - Supply chain order will not generate any new acquisition. 2 - Not valid for bulk order.
NAUL	Link existing order	0 = No 1 = Manually. 2 = Automatically.	0 - Supply chain order will not look for existing acquisition orders. 1- Existing acquisition order will be manually pre-allocated to the demand order of the supply chain. 2- Existing acquisition order will automatically be pre-allocated to the demand order of the supply chain.

The valid combinations of the settings of these two parameters for bulk order are:

Stop SC execution (SSCE)	Link existing order (NAUL)	Description
N/A	0	A new acquisition order will always be created via supply chain order for the demand order. The result is a one-to-one relationship between demand order and acquisition order. The quantity will be protected for the designated bulk order line and when received, stock will be available only to the correct bulk order line.
1	1	Existing acquisition orders can be manually pre-allocated to the demand order. The result is possibly a one-to-many relationship between demand order and acquisition orders. Based on the pre-allocation the quantity will be protected for the designated bulk order line, and when received stock will be available only to the correct bulk order line. If the item is MRP-planned, shortages are handled by MRP according to standard functionality.

1	2	The supply chain order automatically looks for existing acquisition orders to pre-allocate to the demand order and does never generate new acquisition orders. The result is possibly a one-to-many relationship between demand order and acquisition orders. Based on the pre-allocation the quantity will be protected for the designated bulk order line, and when received stock will be available only to the correct bulk order line. If the item is MRP-planned, shortages are handled by MRP according to standard functionality.
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When parameter Link existing orders is set to 1 or 2, another important parameter that needs to be considered on the supply chain policy is Auto find supply chain (AFSC). This parameter controls whether a release, confirmation or receipt of a supply order on the lowest level of a supply chain should trigger an automatic search to find existing supply chains to connect to. This can be useful when the lowest supply level is planned via MRP and forecasts. Later in time, bulk order lines are released and the demand orders and supply chains created for them. When an existing supply proposal then is released, for example, M3 will automatically try to find the existing supply chains to connect to.

Parameter Auto find supply chain has the following alternatives:

Table: MSCPOL			
Field ID	Field Name	Valid options	Description
AFSC	Auto find supply chain	0 = No 1 = Yes, when released 2 = Yes, when confirmed 3 = Yes, when received	0 - No auto connection is made. 1 - Auto connection is made when supply proposal is released or later. 2 - Auto connection is made when supply order is confirmed or later. 3 - Auto connection is made when supply order is received or later.

For more details on the parameters on the supply chain policy, see standard documentation for supply chain order.

2.2.3 Customer file (CRS610/F)

The framed parameters are relevant for the bulk order process, regarding how a bulk order should be found when entering a distro (call-off). See standard documentation for customer blanket agreements.

M3 Customer. Open - CRS610/F SCE - Company SCE - Company 510 division AAA

Actions Options Related Tools

Panel Header

Customer: 11370 Ulrikas customer
 Incl in chain: 0-Not a member

Details

District:	STO Stockholm	Salesperson:	MON# Mona LB
Customer group:	Unspecified	Responsible:	11370
PIN code:		Credit chk MTI:	0-No check
Quotation check:	0-No check	Adv invoice ECI:	0-No auto advance
CO type:	USN Normal - auto a	Search payer:	<input type="checkbox"/>
CO no mandatory:	<input type="checkbox"/>	Priority:	5-Norm priority
Chk plan split:	<input type="checkbox"/>	Assortment chk:	0-No check
Our reference:	Sven De Langhe ----->		
Alias category:			

Buying Pattern

Buy pattern tp: 0-Not updated
 Buy patt except:

Charges

Service charge:
 Ln charge model:

Agreement Check

Agr chk header: 1-Dsp alt
 Agr chk lines: 2-Agre disp if>1

2.2.4 Customer order type (OIS010/J)

The framed parameters are relevant for the bulk order process. See standard documentation for customer blanket agreements.

M3 CO Type. Open - OIS010/F - SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Panel Header

CO type: USN
 Name: Normal - auto a
 CO category: 1-Normal order
 Next man funct: 1-Rel. for pick

Credit check

New entry order:
 Close:
 New entry lines:

Details

Panel sequence: 5
 Preliminary CO: 2-Fin as default
 Bonus gen: 0-Does not affect
 Commis gen: 0-Does not affect
 Season in use: 3-Yes al itm alwd
 Status: 60-Ready for inv
 Sales support:
 Bus chain chk:
 Ign payer block:
 Total price:
 Chk order chrgs:
 Settlement ck: 0-Not active

M3 CO Type. Open - OIS010/J - SCE - Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Panel Header

CO type: USN
 Name: Normal - auto a
 CO category: 1-Normal order
 Next man funct: 1-Rel. for pick

Settings for Customer Order Pricing

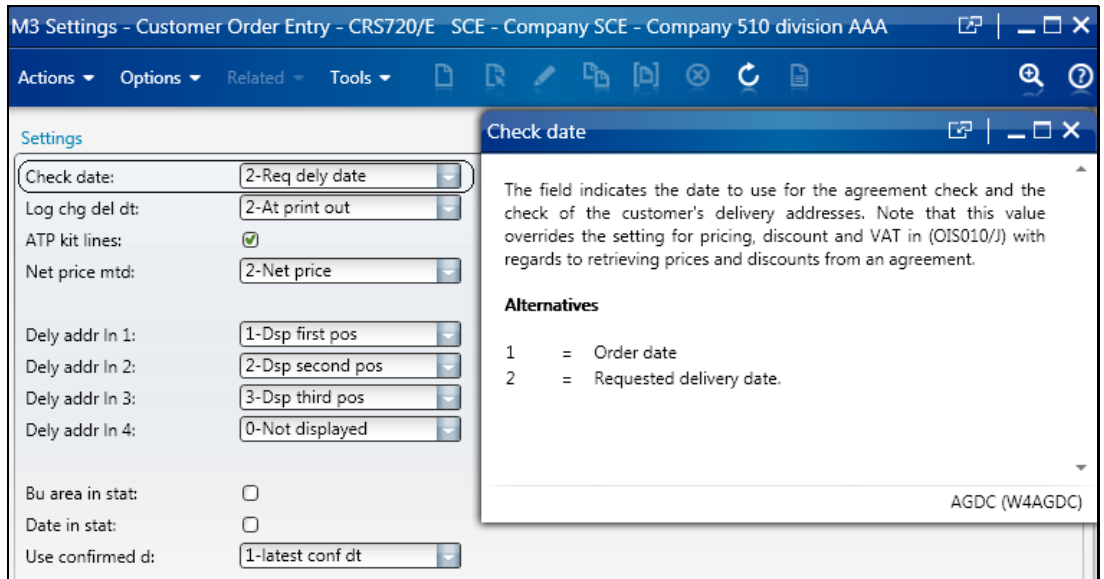
Cstng mod sales:
 Price/Disc/VAT: 0-Order date
 Sls price rule: 0-Line, not 0
 Promotion check: 0-Not used
 External prices: 0-No
 Cost pricing:
 Cost price rule: 3-Open
 Price orig seq: 6
 Rnd-off cat: 40
 Agreement check: 2-Bus chain agmnt
 Contr ratio chk: 0-No check
 Price date chk:

Settings for Customer Order Quantity

Rnd packng size: 0-No
 Propose qty: 0-No
 Several whs:
 Auto acquisit:
 Auto release:
 Propose whs:
 Supply model:
 Quantity limit: 0.00
 Auto option:

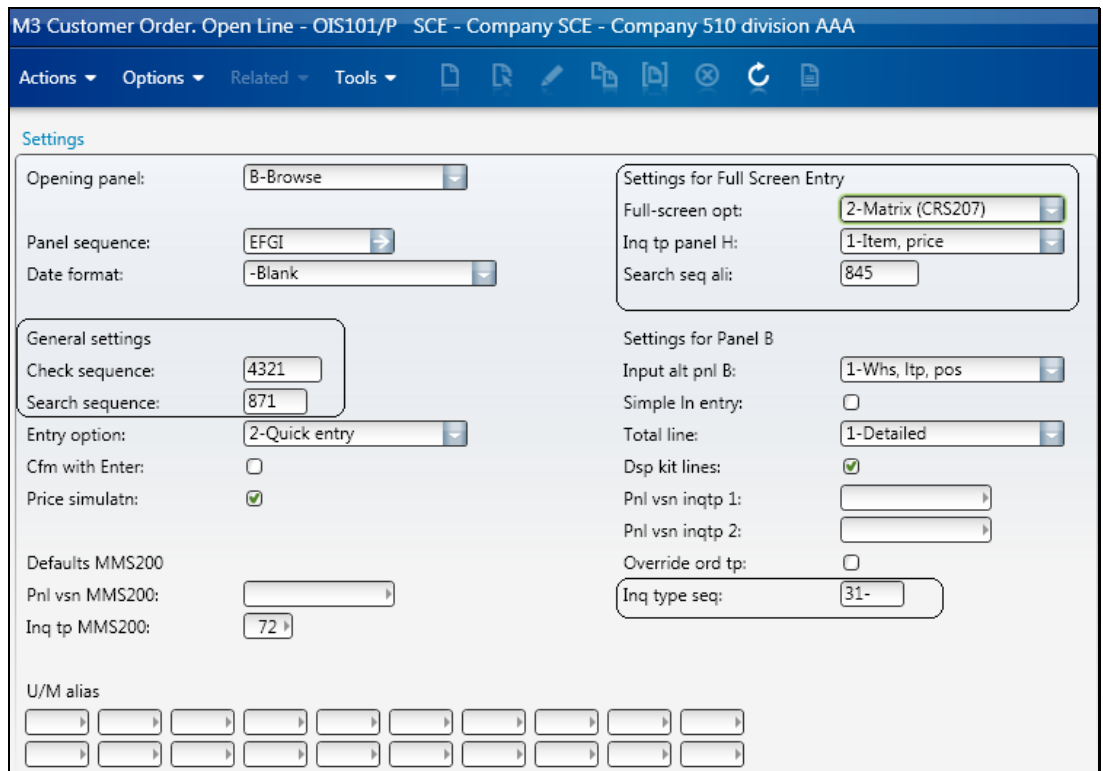
2.2.5 Customer order entry parameters (CRS720)

The framed parameters are relevant for the bulk order process. See standard documentation for customer blanket agreements.



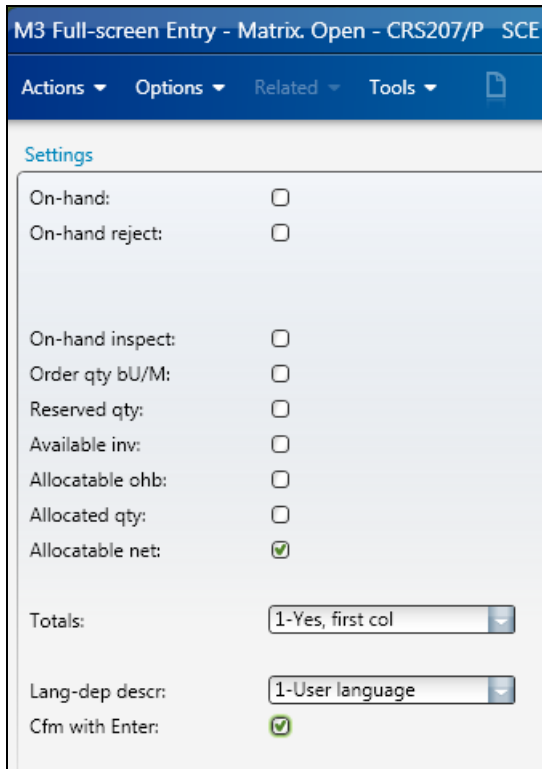
2.2.6 Customer order matrix entry settings (OIS101/P)

Settings to be able to enter customer orders in a matrix format (OIS101/P):



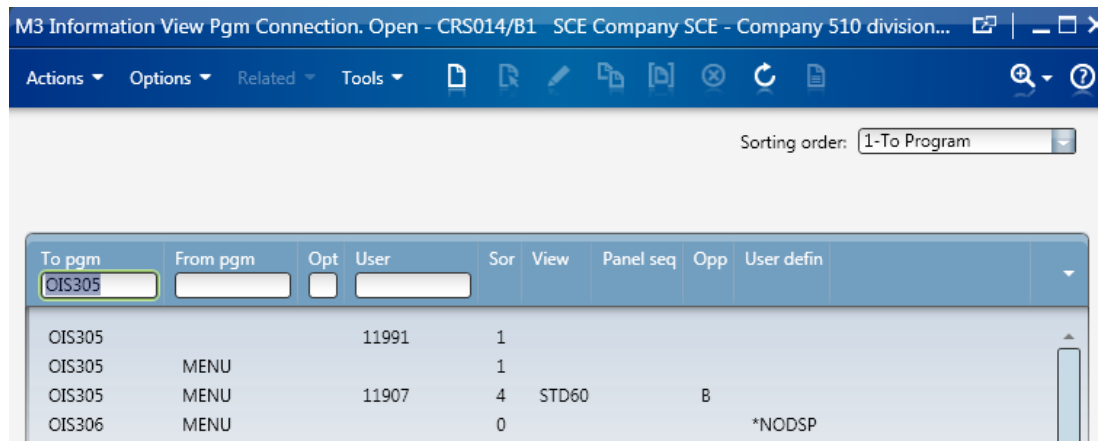
2.2.7 Settings to control the matrix format (CRS207/P)

Settings to be able to enter customer orders in a matrix format in CRS207:



2.2.8 Start panel settings (CRS014)

Settings for inquiry types and panel versions for the new programs OIS305, OIS306, OIS370, and OIS370 can be overruled in this program according to standard functionality.



It is recommended to set up the bulk order line toolbox, program OIS306, as below. The reason is to let OIS306 start up empty, allowing the user to make a selection before loading data.

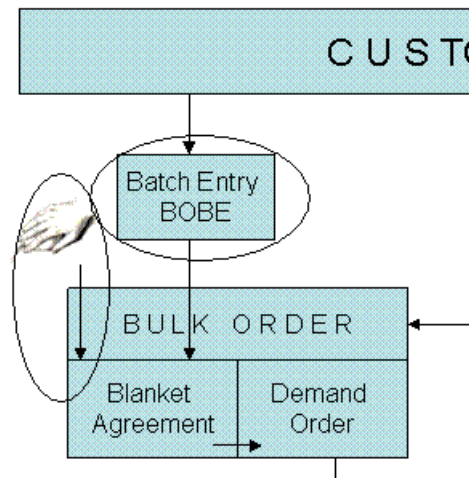
Panel Header

Fr program: MENU
To program: OIS306
User:
Option:

Details

Sorting order:
View:
Panel sequence:
Opening panel
User-def field: *NODSP-Rec not listed

3 Bulk order interfaces



3.1 Bulk order toolbox

The purpose of a bulk order toolbox program is to have a common entity for the different parts of a bulk order and to provide one program from which most bulk order related actions can be performed or reached.

This is one program from where you can reach:

- the bulk order lines
- the demand order
- the distro (customer order toolbox)
- the distro lines (customer order line toolbox)

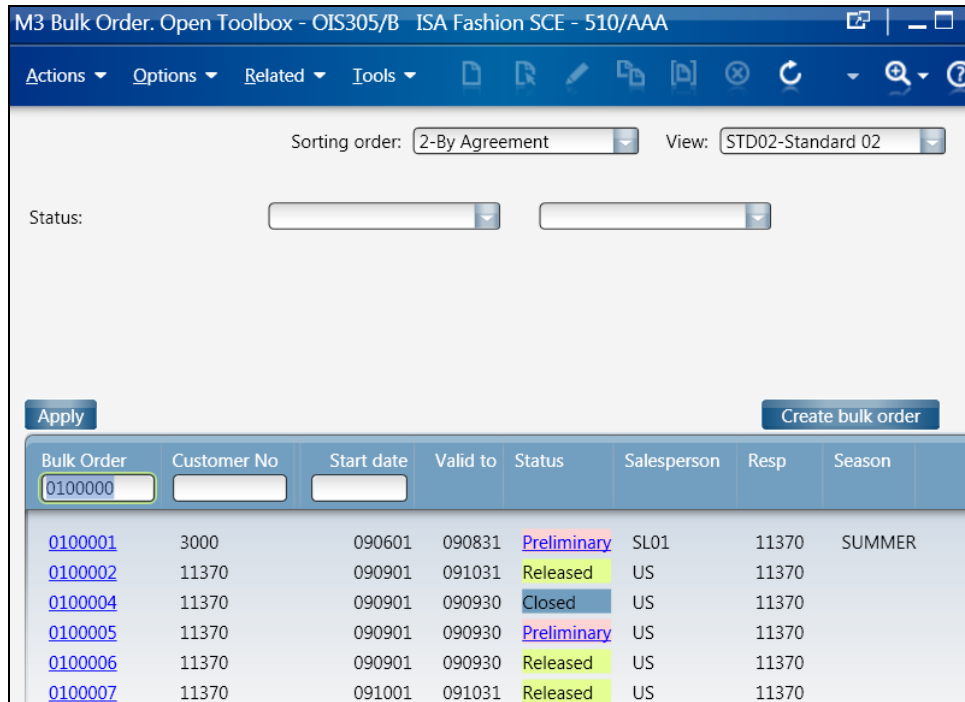
This is also a program from where you can

- create a new bulk order
- administer bulk order (release, change, delete, close)
- print bulk order confirmation
- print the history/consumption

The toolbox will act as a filter to the customer blanket agreements (normally displayed in OIS060), only displaying customer blanket agreements that are defined as bulk orders (setting on agreement type and on bulk order header).

3.1.1 New program OIS305 – Bulk order toolbox

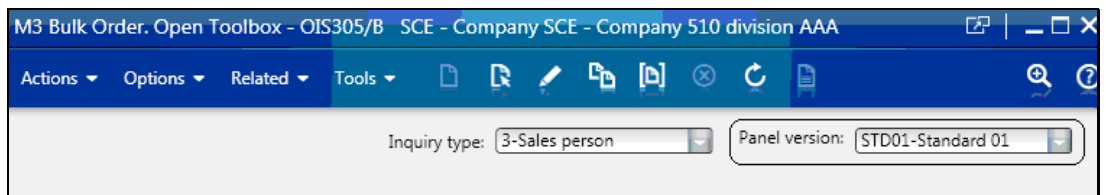
The bulk order toolbox has a layout similar to the customer order toolbox.



3.1.2 Panel version and inquiry type

Panel versions and inquiry types give good usability of the bulk order toolbox.

3.1.2.1 Panel versions



- **Field group OIPV5 added in CRS109**

Fields from table Blanket Agreement Header (OAGRHE) and Customer File (OCUSMA) are available.

Field ID	Field Name	From table
OKALCU	search key	Customer file
OKCUA1	address line 1	Customer file
OKCUA2	address line 2	Customer file
OKCUA3	address line 3	Customer file
OKCUA4	address line 4	Customer file
OKCUNM	name	Customer file
OKRESP	responsible	Customer file

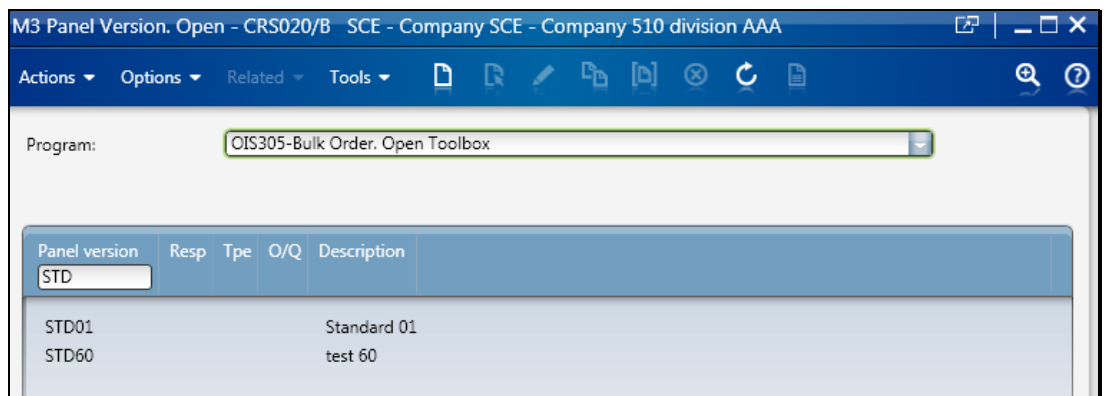
UYACGR	object access group	Blanket Agreement
UYAGCB	business chain agreement	Blanket Agreement
UYAGDT	blanket agreement date	Blanket Agreement
UYAGEC	quantity check	Blanket Agreement
UYAGHE	summed agreement quantity	Blanket Agreement
UYAGLN	sequence number	Blanket Agreement
UYAGNB	agreement number	Blanket Agreement
UYAGNO	blanket agreement number	Blanket Agreement
UYAGPD	agreed prices	Blanket Agreement
UYAGQT	agreed quantity	Blanket Agreement
UYAGST	status	Blanket Agreement
UYAGTP	agreement type	Blanket Agreement
UYCHID	changed by	Blanket Agreement
UYCHNO	change number	Blanket Agreement
UYCUCD	currency	Blanket Agreement
UYCUOT	customer's purchase order date	Blanket Agreement
UYCUNO	customer	Blanket Agreement
UYCUOR	customer's order number	Blanket Agreement
UYELNO	project element	Blanket Agreement
UYLIDT	last invoice date	Blanket Agreement
UYLMDT	change date	Blanket Agreement
UYLNCD	language	Blanket Agreement
UYLVDT	valid to	Blanket Agreement
UYNXAG	next blanket agreement	Blanket Agreement
UYOREF	our reference	Blanket Agreement
UYPRLC	price list customer number	Blanket Agreement
UYPROJ	project number	Blanket Agreement
UYPRRF	price list	Blanket Agreement
UYRESP	responsible	Blanket Agreement

UYRGDT	entry date	Blanket Agreement
UYRGTM	entry time	Blanket Agreement
UYSEAH	season in use	Blanket Agreement
UYSMCD	salesperson	Blanket Agreement
UYSPGR	superior groups	Blanket Agreement
UYSTDT	start date	Blanket Agreement
UYSUNO	supplier	Blanket Agreement
UYTX40	description	Blanket Agreement
UYUNIT	unit of measure	Blanket Agreement
UYREF	your reference 1	Blanket Agreement

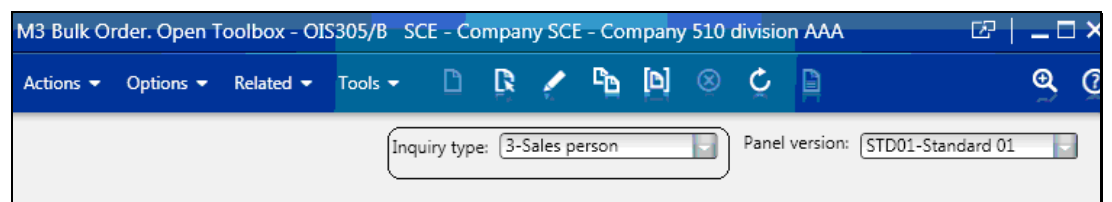
- **Panel versions are designed in CRS020**

The bulk order toolbox OIS305 has been added as program in CRS020, enabling the creation of panel versions.

Fields from **field group OIPV5** (above) are available.

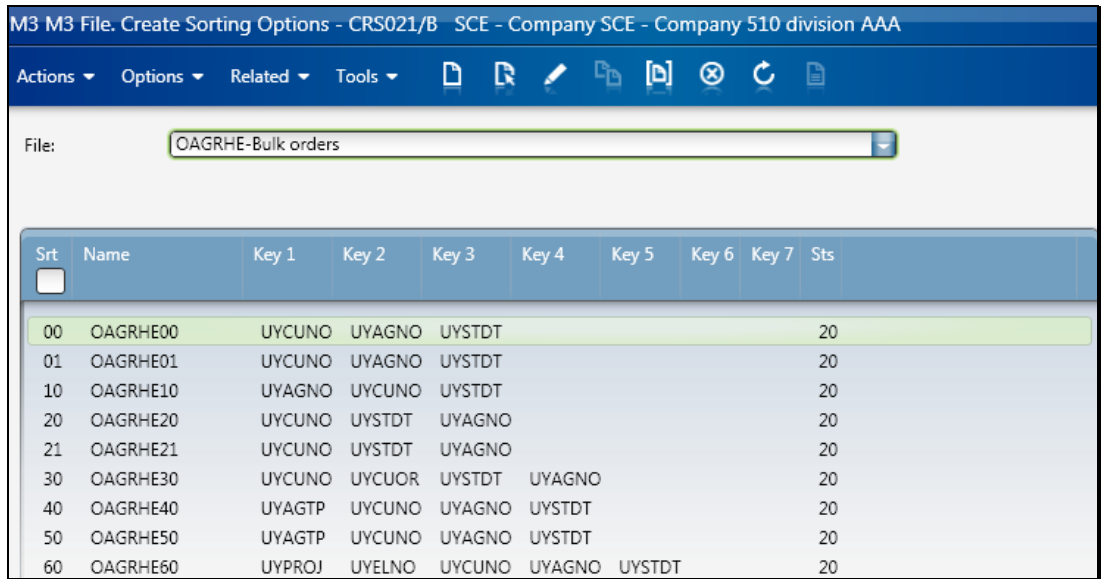


3.1.2.2 Inquiry type



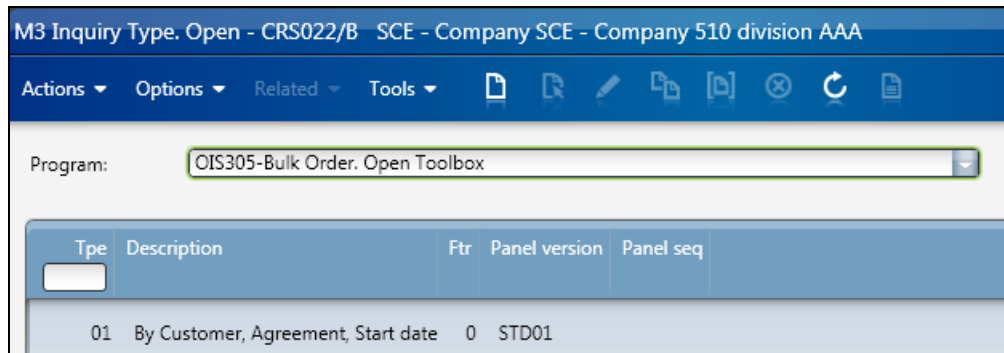
- **Sorting options defined in CRS021**

The Blanket Agreement Header table (OAGRHE) has been added as available file to enable sorting options in the bulk order toolbox.



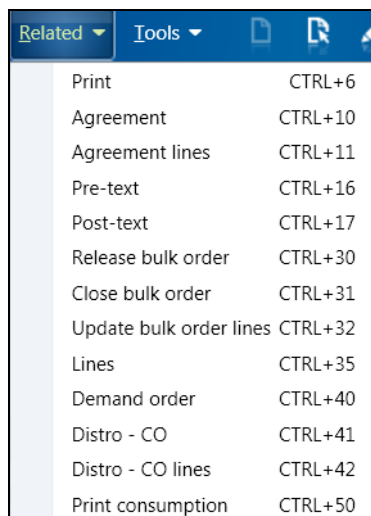
- **The inquiry types are user designed in CRS022.**

The toolbox program OIS305 has been enabled for creation of inquiry types.



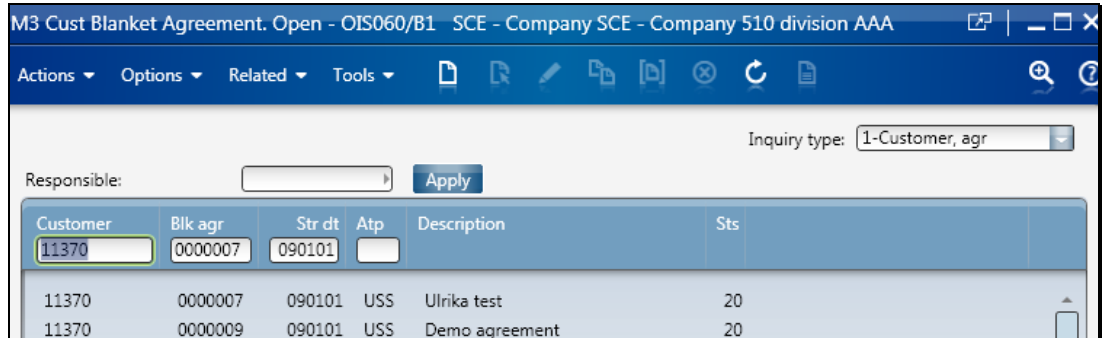
3.1.3 Related options in the bulk order toolbox

Related options are available in the bulk order toolbox (OIS305) to enable opening of related programs for a specific bulk order.



Option 6 will print the bulk order confirmation document, OIS631PF. See chapter 10.

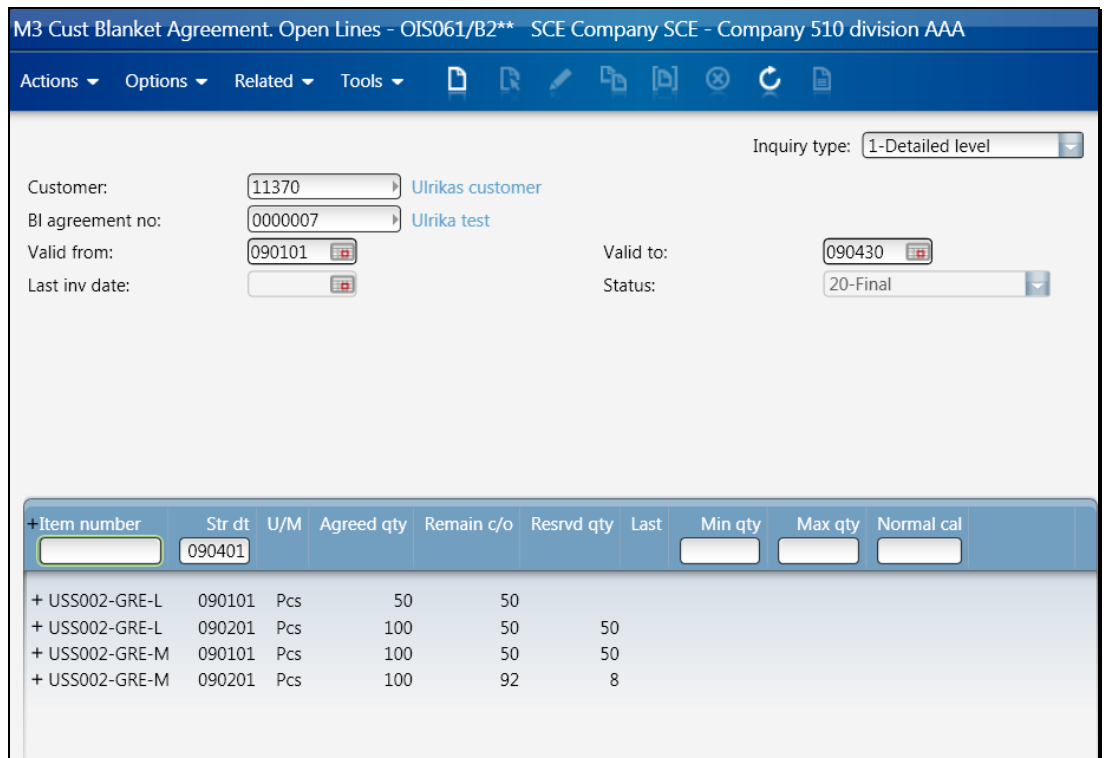
Option 10 will take the user to the customer blanket agreement for the selected bulk order, program OIS060.



Warnings are given when trying to change or create a bulk order from OIS060, as bulk orders should be maintained from OIS305. In OIS060 all customer blanket agreements are visible, following standard functionality.

Note that there is no reason to work with OIS060 for bulk orders, this program should only be used for other types of agreements.

Option 11 will take the user to the customer blanket agreement lines for the selected bulk order, program OIS061.



Option 16 will take the user to the selected agreement pre-texts.

The screenshot shows a dialog box titled "M3 Text" with a close button (X) in the top right corner. It contains the following fields and controls:

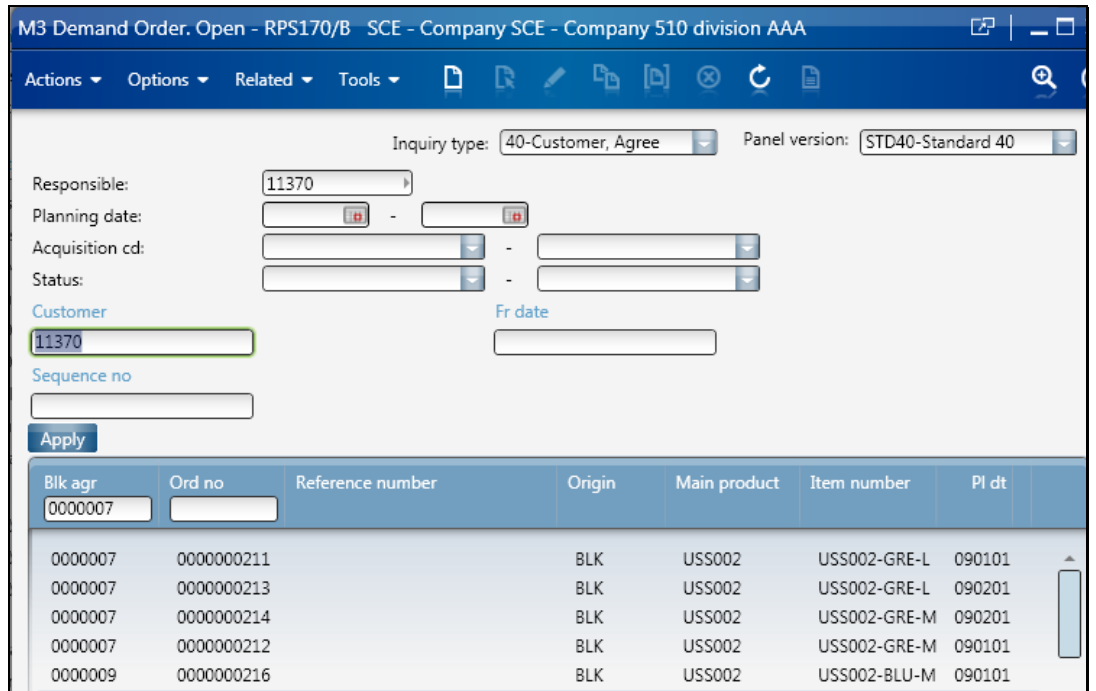
- Text block:** An empty text input field.
- Language:** An empty text input field.
- Name:** An empty text input field.
- Internal/External:** A dropdown menu currently showing "Internal/External".
- Text area:** A scrollable text area containing the text "This is a pre-text for bulk order header." with a cursor at the end.
- Buttons:** Five buttons at the bottom: "<< Previous", "Next >>", "Exit", "Refresh", and "Text block".

Option 17 will take the user to the selected agreement post texts.

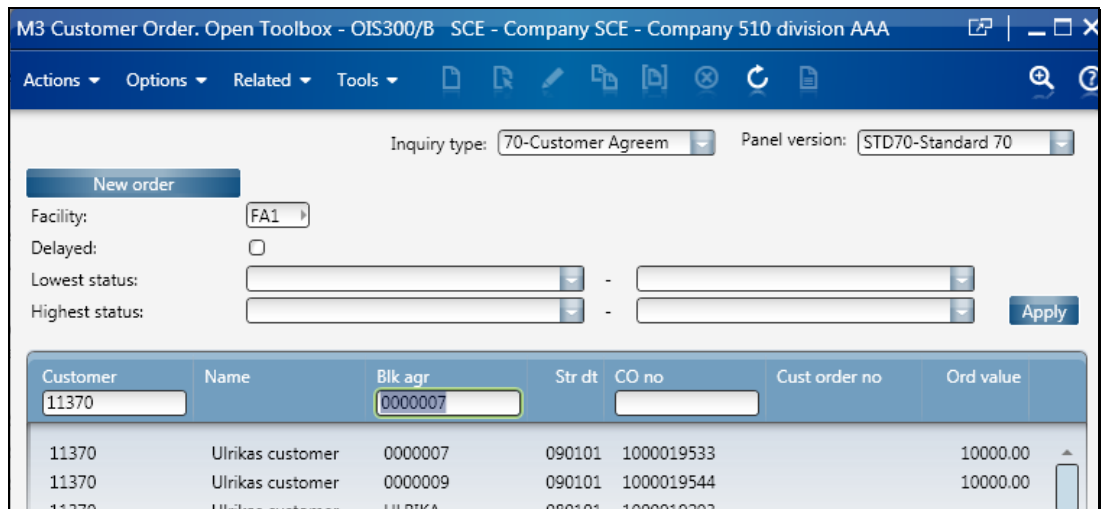
The screenshot shows a dialog box titled "M3 Text" with a close button (X) in the top right corner. It contains the following fields and controls:

- Text block:** An empty text input field.
- Language:** An empty text input field.
- Name:** An empty text input field.
- Internal/External:** A dropdown menu currently showing "Internal/External".
- Text area:** A scrollable text area containing the text "This is a post-text for bulk order header." with a cursor at the end.
- Buttons:** Five buttons at the bottom: "<< Previous", "Next >>", "Exit", "Refresh", and "Text block".

- Option 30** will raise the bulk order status to 20, meaning that the bulk order is released. Demand order and acquisition orders will be created. Distros can consume the bulk order.
- Option 31** will raise the bulk order status to 80, meaning that the bulk order is closed and no longer valid. Demand orders will be closed and the bulk order can no longer be consumed by distros.
- Option 32** will take the user to an update program (OIS307) where the user can update the agreed quantity and/or the line valid to date on a selection of bulk order lines. The update action (change of agreed quantity or line valid to date) is performed with F14.
- Option 35** will take the user to the bulk order line toolbox (OIS306). The bulk order will be defaulted.
- Option 40** will take the user to the demand order for the selected bulk order, program RPS170.

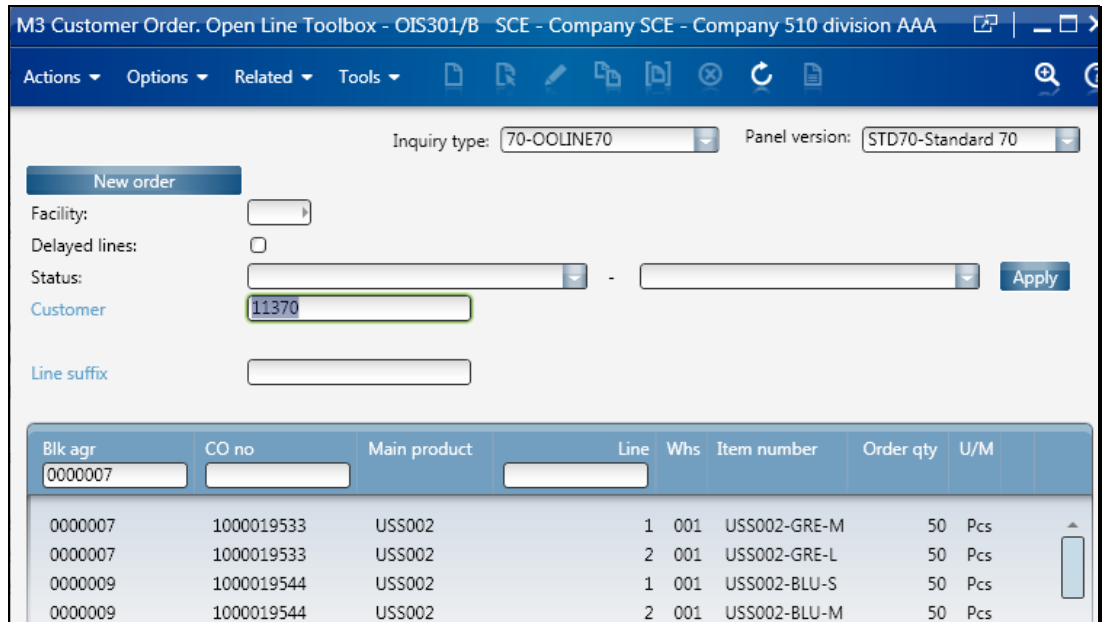


Option 41 will take the user to the distro (call-off) for the selected bulk order, program OIS300.



Note that it is not a requirement for the process to have a bulk order on the distro (call-off) header.

Option 42 will take the user to the distro (call-off) lines for the selected bulk order, program OIS301.



Option 50 will print the consumption of the bulk order, document OIS516PF. This is a standard document, no changes have been made to cover bulk order functionality.

3.2 Bulk order line toolbox

The purpose of a bulk order line toolbox program is to have a flexible program for administration and follow-up. With the standard toolbox concept several related options will enable the use of related programs. The table displayed is OAGRLN, which is the table used from OIS061 (customer blanket agreement lines).

Aggregated views have been implemented to enable the possibility to do a follow up on an aggregated level (for example style level or style and color level), and drill down to a detailed level (SKU level).

This is one program from where you can reach:

- Aggregated lines program OIS306/K
- Order line consumption program OIS065
- Demand order program RPS170
- Supply chain order program MWS150
- Material plan program MMS080 and MMS192 for aggr level
- Distro lines program OIS301

This is also a program in which you can

- view the history/consumption

This is enabled using the quantities from the distro in the panel version. Reserved qty, allocated qty, delivered qty and invoiced qty. From the agreement you can display the agreed qty and the originally agreed qty

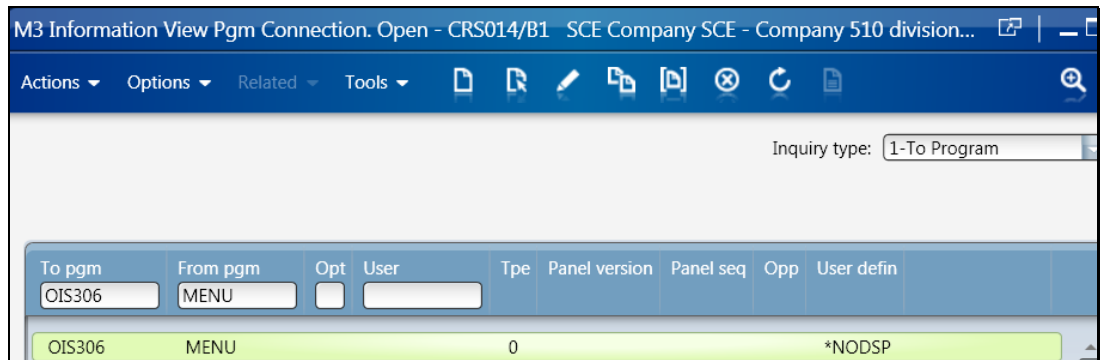
(equals the agreed quantity at the time when the agreement was released to status 20 and this cannot be changed).

- view the guide price

A guide price is defined as **the most likely price to get if entering a distro of 1 pcs, no discounts considered**. On the agreement type (OIS063) a parameter has been added to control from where and in which order the guide price should be calculated.

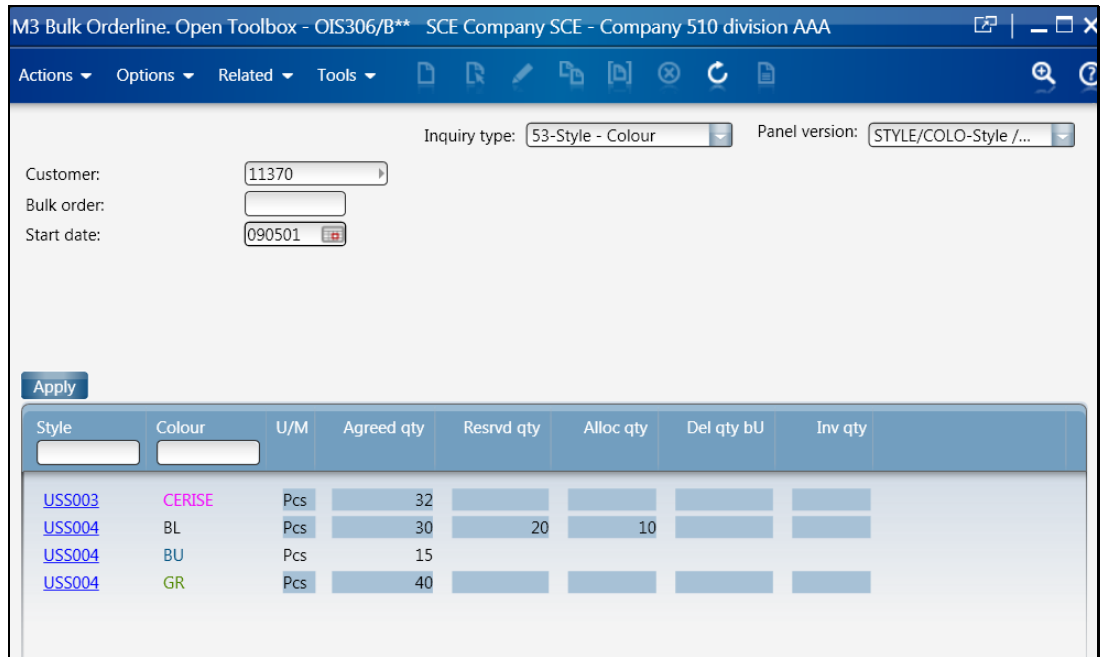
The toolbox will act as a filter to the customer blanket agreement lines, only displaying customer blanket agreement lines that are defined as bulk orders (setting on agreement type).

It is recommended that the program is empty when it is started. This is to improve performance and allow the user to make selections before loading data. Pressing refresh (F5) will load data to the toolbox. The setting that enables this is found in CRS014.



3.2.1 New program OIS306 – Bulk order line toolbox

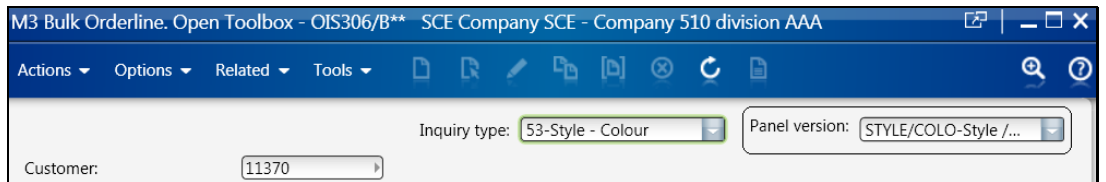
The bulk order line toolbox line has a layout similar to the customer order line toolbox.



3.2.2 Panel version and inquiry type

Panel versions and inquiry types give good usability of the bulk order line toolbox.

3.2.2.1 Panel versions



- **Field group OIPV7 added in CRS109**

Fields from table Blanket Agreement Line (OAGRLN), Customer Order Line Agreement References (OOLIAR) and Blanket Agreement Header (OAGRHE) are available.

Field	Description	File
&ALQT	allocated quantity - basic U/M	
&GUPR	Guide price	
UWAGCB	business chain agreement	Bulk Order line
UWAGLN	sequence number	Bulk Order line
UWAGNB	agreement number	Bulk Order line
UWAGNO	blanket agreement number	Bulk Order line

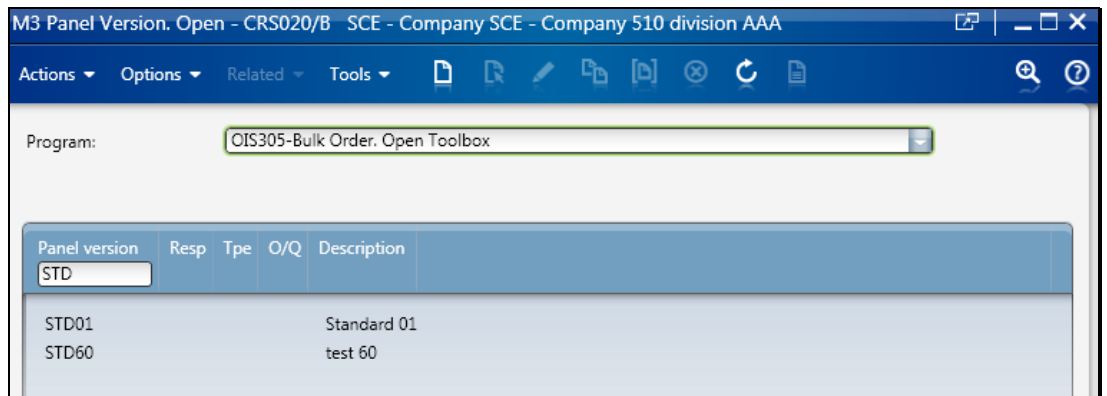
UWAGPD	agreed prices	Bulk Order line
UWAGQT	agreed quantity	Bulk Order line
UWAGST	status	Bulk Order line
UWBNCD	bonus generating	Bulk Order line
UWCHID	changed by	Bulk Order line
UWCHNO	change number	Bulk Order line
UWCOFA	conversion factor	Bulk Order line
UWCOFS	conversion factor - sales price U/M	Bulk Order line
UWCUCD	currency	Bulk Order line
UWCUNO	customer	Bulk Order line
UWD2QT	minimum quantity	Bulk Order line
UWD3QT	maximum quantity	Bulk Order line
UWDMCF	conversion form	Bulk Order line
UWDMCS	conversion method - sales price U/M	Bulk Order line
UWFDAT	from date	Bulk Order line
UWGENE	generic	Bulk Order line
UWHDPR	main product	Bulk Order line
UWKPCD	kit/charge printout	Bulk Order line
UWLAMI	minimum line amount	Bulk Order line
UWLIDT	last invoice date	Bulk Order line
UWLMDT	change date	Bulk Order line
UWLVDT	valid to	Bulk Order line
UWNAQT	normal call-off quantity	Bulk Order line
UWNTCD	net price used	Bulk Order line
UWOBV1	start value 1	Bulk Order line
UWOBV2	start value 2	Bulk Order line
UWOBV3	start value 3	Bulk Order line
UWOBV4	start value 4	Bulk Order line
UWOPTX	X-option	Bulk Order line
UWOPTY	Y-option	Bulk Order line
UWORGK	original currency	Bulk Order line
UWORGK	original price list	Bulk Order line
UWORGQ	original quantity	Bulk Order line
UWORGU	original U/M	Bulk Order line
UWPCOF	price adjustment factor	Bulk Order line
UWPLDT	planning date	Bulk Order line
UWPRAC	commission generating	Bulk Order line

UWPREX	priority	Bulk Order line
UWPRLC	price list customer number	Bulk Order line
UWPRRF	price list	Bulk Order line
UWRGDT	entry date	Bulk Order line
UWRGTM	entry time	Bulk Order line
UWSPGR	superior groups	Bulk Order line
UWSPUN	sales price unit of measure	Bulk Order line
UWSTDT	start date	Bulk Order line
UWSUNO	supplier	Bulk Order line
UWTINC	VAT included	Bulk Order line
UWUNIT	unit of measure	Bulk Order line
UWVTCD	VAT code	Bulk Order line
UXDLQT	delivered quantity - basic U/M	Customer agreem
UXIVQT	invoiced quantity - basic U/M	Customer agreem
UXREQT	reserved quantity	Customer agreem
UYPROJ	project number	Customer agreem

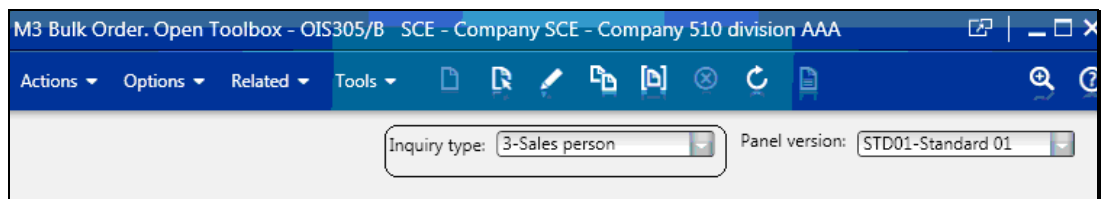
- **Panel versions are designed in CRS020**

The bulk order toolbox OIS306 has been added as program in CRS020, enabling the creation of panel versions.

Fields from **field group OIPV7** (above) are available.

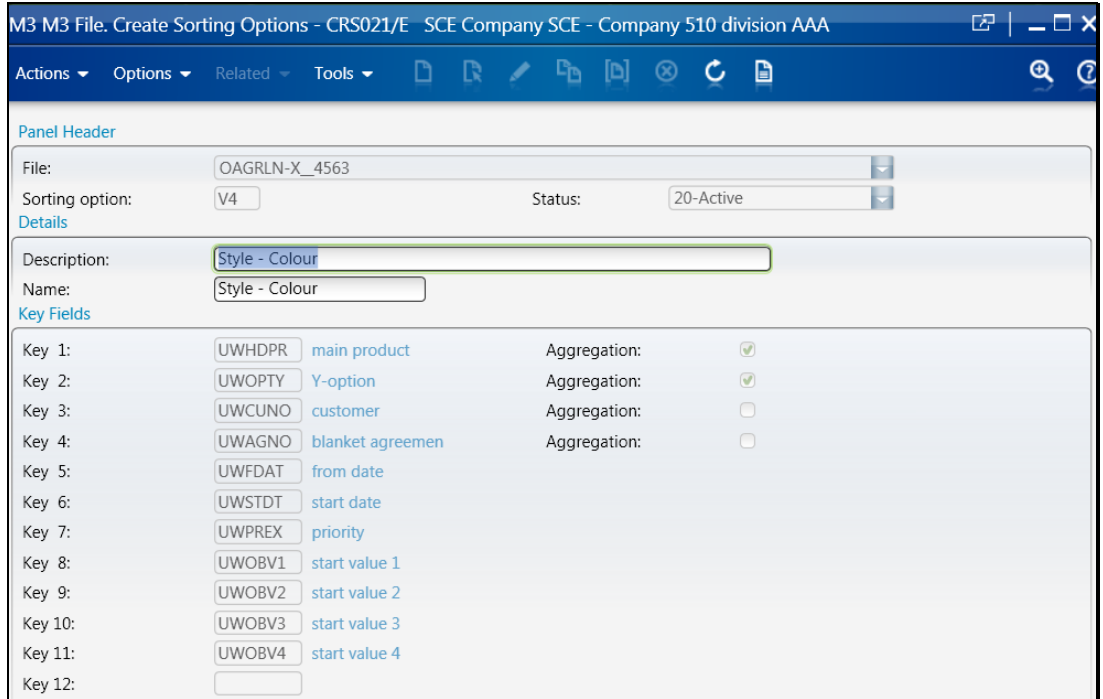


3.2.2.2 Inquiry type



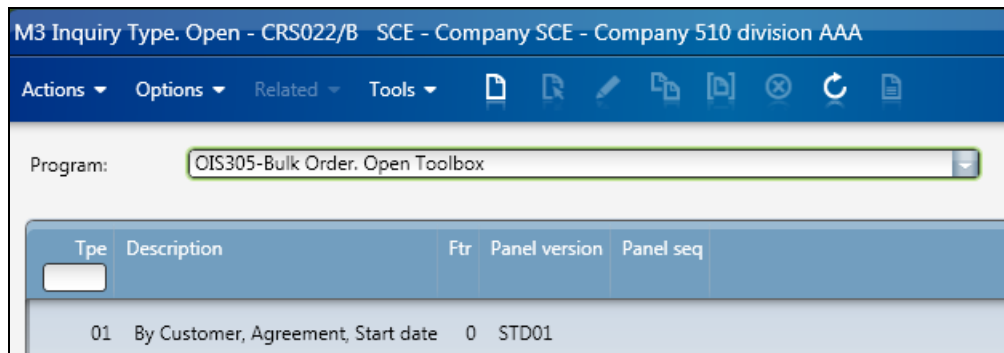
- **Sorting options defined in CRS021**

The Blanket Agreement Line table (OAGRLN) has been added as available file to enable sorting options in the bulk order line toolbox. Aggregated levels can be used.



- **The inquiry types are user designed in CRS022.**

The toolbox program OIS305 has been enabled for creation of inquiry types.



3.2.3 Related options in the bulk order line toolbox

Related options are available in the bulk order line toolbox (OIS306) to enable opening of related programs for a specific bulk order.

Related	Tools		
	Order line consumption	CTRL+12	
	Material Plan	CTRL+15	
	Demand order	CTRL+40	
	Aggregated lines	CTRL+41	
	Distro - CO lines	CTRL+42	
	Supply Chain	CTRL+45	

Option 12 will take the user to the distro consumption of the selected bulk order, program OIS065. In this program you have the possibility to change the distro allocations to the bulk order.

This option is only available for detailed transactions, not for aggregated levels.

Option 15 will take the user to the material plan for the selected stock item, program MMS080.

For aggregated levels this option will take the user to Material plan per alias number, MMS192. In this development phase alias category 88 (style) will be defaulted, no logic implemented to find other aggregation levels such as style-color.

Option 40 will take the user to the demand order for the selected bulk order, program RPS170.

This option is only available for detailed transactions, not for aggregated levels.

Option 41 will take the user to the aggregated lines for the selected bulk order, program OIS306 panel K.

This option is only available for aggregated levels.

This option is documented in 4.2.4 below.

Option 42 will take the user to the customer order line toolbox for the selected bulk order, program OIS301.

This option is only available for detailed transactions, not for aggregated levels.

Option 45 will take the user to the supply chain order for the selected bulk order, program MWS150.

This option is only available for detailed transactions, not for aggregated levels.

3.2.4 Aggregated lines

For an aggregated level only option 41 is available, taking you to the OIS306 K-panel. This panel displays the detailed transactions for the aggregated level selected.

A user defined panel version defined in CRS020 for program OIS306 is used. The first time you enter the program, the panel version is blank and some fields are displayed as a default. Select a panel version that displays the information you are interested in seeing. Thereafter the latest used panel version in the K-panel will be displayed – and it can be changed.

M3 Bulk Orderline. Open Toolbox - OIS306/K** SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Inquiry type: 1

Aggr fields
Main product: USS004

Apply

Customer	Blk agr	Fr dt	Str dt	Item number	Agreed qty	U/M	Min qty	Max qty	Normal cal	Main product	Y-option	Name	X-option	Name
11370-ST1	0000095	090501	090501	USS004-BL-M	10	Pcs				USS004	BL	Black	M	M
11370-ST1	0000096	090501	090501	USS004-BL-M	5	Pcs				USS004	BL	Black	M	M
11370-ST1	0000096	090501	090501	USS004-BU-M	5	Pcs				USS004	BU	Blue	M	M
11370-ST1	0000096	090501	090501	USS004-GR-M	5	Pcs				USS004	GR	Green	M	M
11370-ST1	0000121	090501	090501	USS004-BL-L	7	Pcs				USS004	BL	Black	L	L
11370-ST1	0000121	090501	090501	USS004-BL-M		Pcs				USS004	BL	Black	M	M
11370-ST1	0000121	090501	090501	USS004-BL-S	7	Pcs				USS004	BL	Black	S	S
11370-ST1	0000121	090501	090501	USS004-BU-L	7	Pcs				USS004	BU	Blue	L	L
11370-ST1	0000121	090501	090501	USS004-BU-M		Pcs				USS004	BU	Blue	M	M
11370-ST1	0000121	090501	090501	USS004-BU-S	7	Pcs				USS004	BU	Blue	S	S
11370-ST1	0000121	090501	090501	USS004-GR-L	5	Pcs				USS004	GR	Green	L	L
11370-ST1	0000121	090501	090501	USS004-GR-M		Pcs				USS004	GR	Green	M	M
11370-ST1	0000121	090501	090501	USS004-GR-S	7	Pcs				USS004	GR	Green	S	S

Close Browse K Details (E) Next

3.3 Bulk order batch entry toolbox (BOBE)

The purpose of a bulk order batch entry is to have a controlled entry of bulk orders in to M3 BE. Bulk orders are sent from another system, internal or external, and all data is validated before the bulk order is created. The temporary bulk orders are saved in the new tables OXGRHE and OXGRLN. These tables are used in the bulk order batch entry toolbox, also called BOBE.

Inquiry types and panel versions have been created to enable the possibility to easily search for data in the way the user wants to.

3.3.1 New program OIS370 – Bulk order batch entry toolbox (BOBE)

M3 Bulk Order Batch. Open Toolbox - OIS370/B - SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Informationsvy: 13-BO Batch Origin Panelversion: NO ORIGIN-No Batch...

BO batch origin

Apply

Resp	Str dt	Blk agr	Customer	Name	Lst	Hst	Sts	Proj no	Cust order no	Sl
	<input type="text" value="090401"/>	<input type="text"/>	<input type="text"/>							
11370	090401	0000071	11370	Ulrikas customer	90	90	90	SPSU09		MON/
11370	090401	0000072	11370	Ulrikas customer	90	90	90			MON/
11370	090401	0000067	11370-HK	Ulrikas Business Chain	23	25	23	F'09		LINE
11370	090401	0000070	11370-HK	Ulrikas Business Chain	90	90	90			LINE

- New panel OIS370/E

M3 Bulk Order Batch. Open Toolbox - OIS370/E - SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Panel Header

Customer: Ulrikas Business Chain

Bl agreement no: Message no:

Start date: Wrk in progress:

Agreement type: Status:

Details

Valid to:

Description:

Obj access grp:

Agreement date: Status:

Chain agreement: Superior groups:

Agreed qty: Agreed prices:

Qty check: Summed qty:

Supplier: Address no:

Suppl agrmt no: Season in use:

Price list: Project number:

Currency: Kronor Proj element:

Language: Swedish

Cust order dt:

Cust order no:

Our reference:

Your ref:

Stäng Bläddra Details (E) Agreement Terms (F) Lines (XOSP11) Nasta

- **New panel OIS370/F**

M3 Bulk Order Batch. Open Toolbox - OIS370/F SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Panel Header

Customer: 11370-HK Ulrikas Business Chain
 Bl agreement no: 0000067
 Start date: 090401 📅
 Agreement type: USS

Message no: 0000000033
 Wrk in progress: 0-Not in progress
 Status: 23 / 23 / 25

Agreement Terms

Future rate agr:
 Cstng mod sales:
 Payment terms:
 Delivery terms:
 Packaging terms: Ospecificerat

Salesperson: LINE Line Borgo
 Responsible: 11370
 Cash disc term:
 Delivery method:

Settings for Bonus and Commission

Bonus gen: 0-Does not affect
 Rec agr type 1:
 Rec agr type 3:
 Rec agr type 5:
 Rec agr type 7:

Commis gen: 0-Does not affect
 Rec agr type 2:
 Rec agr type 4:
 Rec agr type 6:
 Rec agr type 9:

Stäng Bläddra Details (E) Agreement Terms (F) Lines (XOSP11) Nästa

3.3.2 New program OIS371 – Bulk order batch entry line

M3 Bulk Orderline Batch. Open Toolbox - OIS371/B SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Informationsvty: 1-By Customer Agr Panelversion: STD01-Standard 01

Apply

Customer	Seq no	Blk agr	Start value 1	Fr dt	Str dt	Val to	Agreed qty
11370-HK		0000067					
11370-HK	1	0000067	USS002-BLU-S	090401	090410	090412	10
11370-HK	2	0000067	USS002-BLU-S	090401	090414	090418	10

- **New panel OIS371/E**

3.3.3 Panel version and inquiry type

Panel versions and inquiry types are developed to give good usability of the bulk order batch entry toolbox.

3.3.3.1 Panel versions

The bulk order toolbox is enabled for creating panel versions.

- **Field group OIKV6 added in CRS109**

Available fields from table = OXGRHE.

Field	Description	File
UYACGR	object access group	Blanket Agreement
UYAGCB	business chain agreement	Blanket Agreement
UYAGNB	agreement number	Blanket Agreement
UYAGNO	blanket agreement number	Blanket Agreement

UYAGPD	agreed prices	Blanket Agreement
UYAGST	Status	Blanket Agreement
UYAGTP	agreement type	Blanket Agreement
UYBABU	bulk order batch origin	Blanket Agreement
UYCUCD	Currency	Blanket Agreement
UYCUDT	customer's purchase order date	Blanket Agreement
UYCUNO	Customer	Blanket Agreement
UYCUOR	customer's order number	Blanket Agreement
UYELNO	project element	Blanket Agreement
UYLVDT	valid to	Blanket Agreement
UYMSGN	message number	Blanket Agreement
UYOREF	our reference	Blanket Agreement
UYPROJ	project number	Blanket Agreement
UYPRRF	price list	Blanket Agreement
UYRESP	Responsible	Blanket Agreement
UYSEAH	season in use	Blanket Agreement
UYSMCD	Salesperson	Blanket Agreement
UYSTAT	Status	Blanket Agreement
UYSTDT	start date	Blanket Agreement
UYSTHI	highest status	Blanket Agreement
UYSTLO	lowest status	Blanket Agreement
UYSUNO	Supplier	Blanket Agreement
UYTX40	Description	Blanket Agreement
UYREF	your reference 1	Blanket Agreement

- **Field group OIKV8 added in CRS109**

Available fields from table = OXGRLN.

Field	Description	File
UWAGLN	sequence number	Bulk Order line
UWAGNB	agreement number	Bulk Order line
UWAGNO	blanket agreement number	Bulk Order line
UWCUNO	Customer	Bulk Order line
UWFDAT	from date	Bulk Order line
UWGENE	Generic	Bulk Order line
UWLVDT	valid to	Bulk Order line
UWOBV1	start value 1	Bulk Order line
UWOBV2	start value 2	Bulk Order line

UWOBV3	start value 3	Bulk Order line
UWOBV4	start value 4	Bulk Order line
UWPREX	priority	Bulk Order line
UWSPGR	superior groups	Bulk Order line
UWSTAT	status	Bulk Order line
UWSTDT	start date	Bulk Order line
UWSUNO	supplier	Bulk Order line

- **Panel versions are user designed in CRS020.**

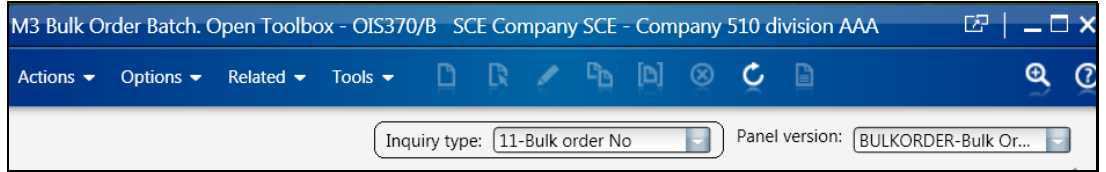
OIS370 and OIS371 have been added as program in CRS020.

Available fields from **field group OIKV6** (OIS370) and **field group OIKV8** (OIS371).

Panel version	Resp	Tpe	O/Q	Description
BULKORDER				Bulk Order number
CUST ORDER				Customers order number
ERROR				List of erroneous bulk orders
MESSAGE				Message number
MONA				Standard 01
NO CUNO				No Customer Number (CUNO)
NO ORIGIN				No Batch Origin

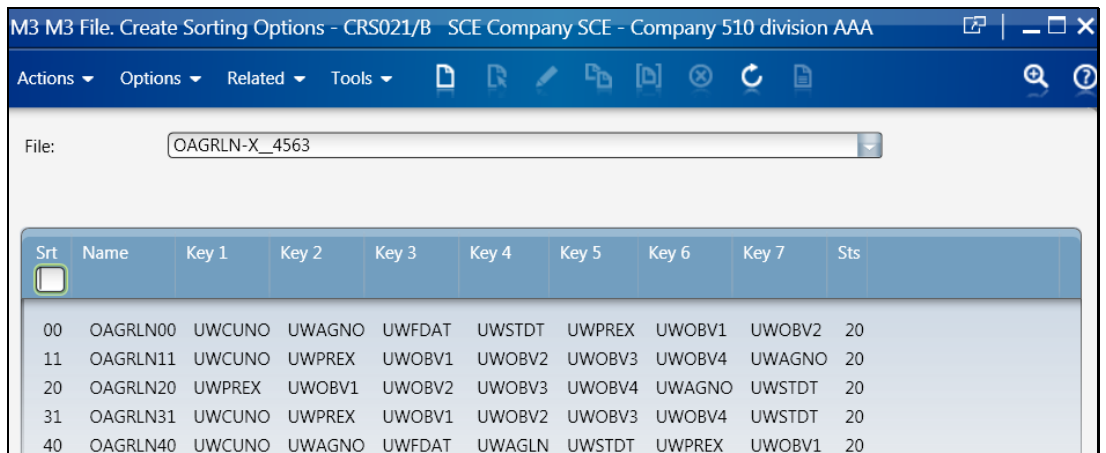
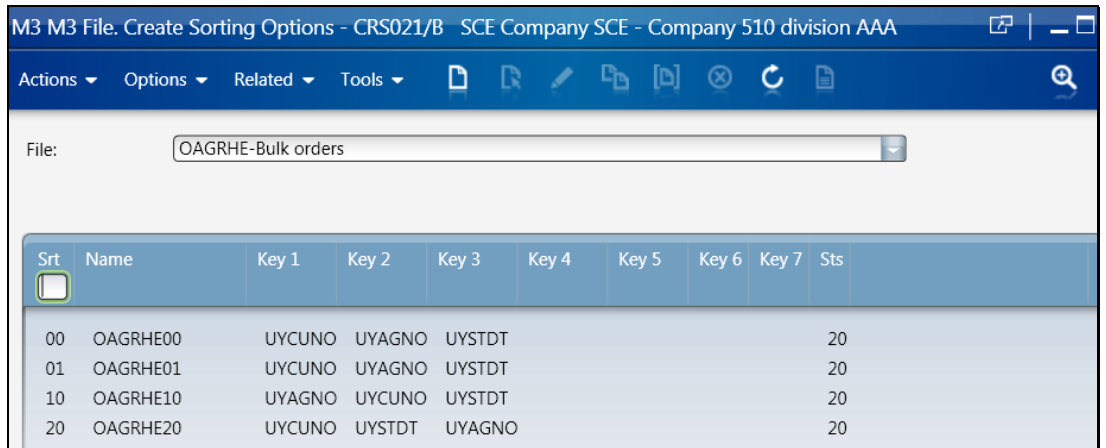
Panel version	Resp	Tpe	O/Q	Description
MONA				Standard 01
STD01				Standard 01

3.3.3.2 Inquiry type



- **Sorting options defined in CRS021**

The new tables OXGRHE and OXGRLN have been added as files to enable sorting options for the toolbox.



- **The inquiry types are user designed in CRS022.**

OIS370 and OIS371 have been added as programs to create inquiry types for the bulk order toolbox.

M3 Inquiry Type. Open - CRS022/B SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Program: OIS370-Bulk Order Batch. Open Toolbox

Type	Description	Ftr	Panel version	Panel seq
01	By Customer, Agreement, Start date	0	STD01	
02	Error Code, Customer	1	STD01	
03	Display erroneous bulk orders	0	ERROR	
11	Bulk order No	0	BULKORDER	
12	Customer number	1	NO CUNO	
13	Bulk Order Batch origin	1	NO ORIGIN	

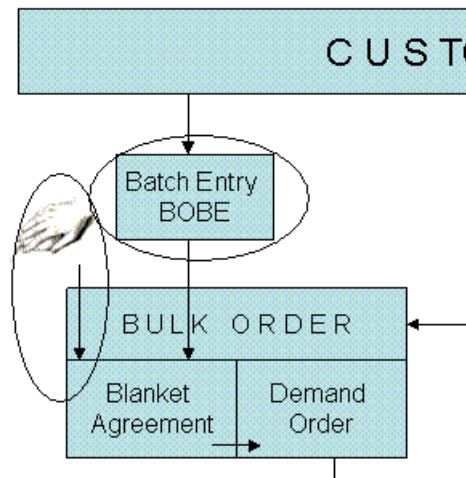
M3 Inquiry Type. Open - CRS022/B SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Program: OIS371-Bulk Orderline Batch. Open Toolbox

Type	Description	Ftr	Panel version	Panel seq
01	By Customer, Agreement, Start date	0	STD01	

4 Create bulk order



4.1 Manual entry

From the Bulk Order Toolbox you can create a new Bulk Order. A bulk order is a Customer Blanket Agreement with an agreement type that is defined as a bulk order. This process is described in step by step below:

4.1.1 Bulk order header

Create option – program OIS305

Different ways of creating the Bulk Order:

- F14
- “Create” button



Both these alternatives will open up OIS060/A:

M3 Cust Blanket Agreement. Open - OIS060/A SCE -

Actions Options Related Tools

Customer: [dropdown arrow]

BI agreement no: [text box]

Start date: [date picker]

Agreement type: [dropdown arrow]

Panel sequence: [dropdown arrow]

Remember that Customer Blanket Agreement is one part of the Bulk Order, therefore both the term customer blanket agreement and bulk order will be used in this document as well as the applications.

Validation of fields:

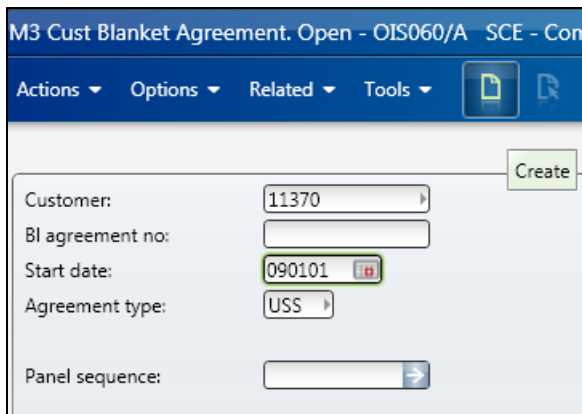
Customer number	mandatory.
Blanket agreement No	not mandatory ¹
Start date	mandatory ²
Agreement type	mandatory ³

¹ If the blanket agreement number is left blank, the number series defined in the agreement type will be used. Series type BO in CRS165 will be used.

² This field has been made mandatory for bulk orders.

³ Only agreement types that are defined as bulk orders are possible to use. A prompt in this field will only display bulk order agreement types.

Perform the creation using the “create” option, as in M3 standard functionality. Note that no other options are available from OIS060/A. Change, Display, Lines, etc functions are used from the bulk order toolbox OIS305/B.



Changes to agreement header - panel E and panel F

The customer blanket agreement is set up as in M3 standard functionality for blanket agreements. Below you can see the fields that are changed for blanket agreement headers with a bulk order type.

New fields in Customer Blanket Agreement OIS060/E:

Warehouse is a new field for bulk orders. The field is defaulted with the warehouse set up in the customer file (program CRS610/G) and is possible to change. The field is used in many situations:

- When entering agreement lines, it is validated that the items exists on the warehouse specified in this field.
- When entering agreement lines using the matrix, the warehouse control has been added. Only fields in the matrix where the SKU exists on the warehouse are open for input.
- The demand orders created when releasing the bulk order are created in this warehouse.
- The distro controls which valid bulk orders (agreements) are available considering the warehouse on the distro line and on the bulk order header (this field). If these do not match, the bulk order (agreement) is not valid for the distro line.
- Once bulk order lines have been entered, the field is not open for changes.

Bulk order is a new field for bulk orders and it is populated with the bulk order parameter in the agreement type. This field is not displayed. All bulk order specific functionality is validated against this parameter. If the parameter is changed in the agreement type, an existing bulk order will still be treated as a bulk order due to this parameter on the agreement header, table OAGRHE.

Changed fields in Customer Blanket Agreement OIS060/E:

Start date has been made mandatory for bulk orders.

Defaulted values in Customer Blanket Agreement OIS060/E:

- **Agreement status** is defaulted to 10 = preliminary.
- **Agreement status** is a locked field for bulk orders.

- **Superior groups** is a locked field for bulk orders.

Defaulted values in Customer Blanket Agreement OIS060/F:

- **Sales person** is defaulted from the customer file.

Changed table structure OAGRHE

These new fields have been added to the bulk order agreement header table:

Table: OAGRHE	
Field ID	Field Name
UYWHLO	Warehouse
UYBUOR	Bulk order

When entering a bulk order header, warehouse is defaulted from the customer file and the bulk order parameter from the agreement type.

4.1.2 Bulk order lines

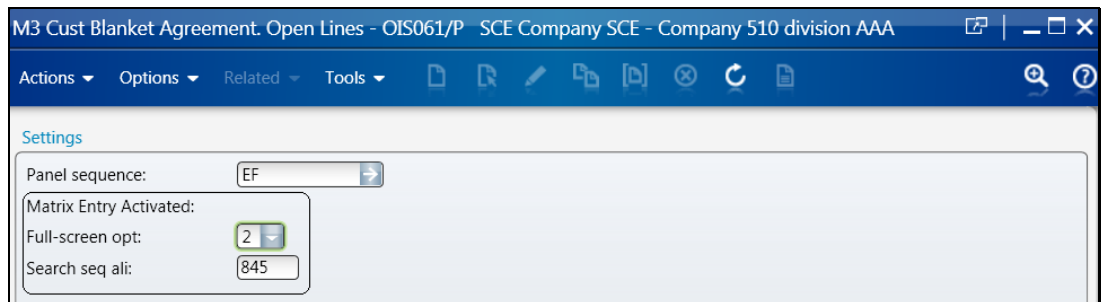
Entry of a bulk order line on SKU level works with standard functionality for customer blanket agreement. The changes made for bulk orders in this area is to control that the items entered on bulk order lines exist on the warehouse entered on the bulk order header and also to update a few new fields on the bulk order lines (both visible in panels and non-visible).

For customer blanket agreements there is no support to enter lines on style level, style-color level or any other alias type. In this section we will explain the changes that have been made to enable this for bulk orders.

The purpose of enabling style entry in a matrix format and to display on style level, is to enable the same functionality as for customer orders, purchase orders and distribution orders - and to give good usability.

Parameters

New parameters are added for the bulk order lines, in program OIS061/P:



Parameter:

- Full-screen option This parameter enables the use of a matrix.
- 0 – Detailed entry through OIS061 panel E and F.
 - 2 – A matrix (CRS207) is displayed.

Full screen option 1 and 2 will only check alias types 84-88 in the search sequence (below). If records are missing for alias type 84-88, the detailed panels E and F will be used regardless of the value in this field. See (MMS025 – Item.Connect Alias Number)

Search sequence The field indicates the search sequence within alias types 84-88 that is used for full-screen options 1 and 2. You can choose several of the alternatives. The field also indicates the check sequence.

4 = Alias type 84, user defined, created automatically according to (MMS024)

5 = Alias type 85, user defined, created automatically according to (MMS024)

6 = Alias type 86, user defined, created automatically according to (MMS024)

7 = Alias type 87, user defined, created automatically according to (MMS024)

8 = Alias type 88, user defined, created automatically according to (MMS024)

For information on how to set up alias types 84-87, see Appendix 1 below.

Inquiry types

The field inquiry type has been implemented for all types of customer blanket agreements. This is to enable possibility to display bulk order lines on SKU level or on an aggregated style level. The table below displays how the inquiry types are used:

Bulk order OAGRHE/UYBUOR	Superior groups OAGRHE/UYSPGR	Inquiry type	Comment
0	0	1	Inquiry type with item number + start date
0	1	2	Inquiry type with different levels, according to setup in object control table (program OIS064)
1	0	1 / 3	For bulk orders you can use inquiry type 1 to display detailed information on SKU + start date level and inquiry type 3 to display aggregated info on style + start date level.
1	1	-	No possible combination

Added fields for entry

New fields regarding quantity tolerances have been added to the sub-file for OIS061/B2. The fields are open for input in order to simplify the bulk order entry process in a matrix entry format only.

These new fields will be used for the detailed transactions (SKU level) created from the matrix.

The fields are not mandatory, and they can be overruled per detailed transaction in the F-panel.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2 - SCE Company SCE - Company 510 division AAA

Customer: 11370 Ulrikas customer
 BI agreement no: 0000082 TEST
 Valid from: 090401 Valid to: 090430
 Last inv date: Status: 10-Preliminary

Inquiry type: 1-OI06122

Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
USS003	090401								
+ USS002-BLA-L	090401	Pcs	30	30					
+ USS002-BLA-M	090401	Pcs	10	10					
+ USS002-BLA-S	090401	Pcs	10	10					

Close | Browse | Detailed Information [E] | Quantities (F) | Next

Changes to agreement lines - panel E and panel F

New field in Customer Blanket Agreement Lines OIS061/F:

- Planning date** is a new field only available for bulk orders. This date is defaulted with the *line start date minus the safety time* from the item/warehouse file.

The date will be used as planning date for the demand order. The date can be changed. For released bulk orders a change on the blanket agreement line will also update the planning date of the demand order.

The warehouse defined in the bulk order header is used to find the correct item/warehouse record.

M3 Cust Blanket Agreement. Open Lines - OIS061/F - SCE Company SCE - Company 510 division AAA

Panel Header

Customer: 11370 Ulrikas customer
 BI agreement no: 0000097 test
 Line valid from: 090510
 Line valid to: 090531
 Item number: USS003-CER-M

Quantities

Agreed qty: 12 Pcs
 Reserved qty: 0
 Dely qty bU/M: 0

Planning date: 090510
 Remain call-off: 12
 Remain to del: 12

Manual entry on SKU level

The manual entry is performed as for standard customer blanket agreement line entry.

- 1) Enter a SKU number and a start date and press Create.
- 2) In panel E it is optional to enter values
- 3) In panel F you need to enter an agreed qty in order to get a demand order created. The planning date will be defaulted with the line start date minus the safety time item warehouse file (MITBAL record) as described above. All other information is optional.
- 4) It is optional to enter bulk order unique prices with option 11 on the bulk order line. This is standard customer blanket agreement functionality.

Related options on blanket agreement line

Related options 40 and 45 have been added in the blanket agreement lines (OIS061) to enable to go from the blanket agreement line to the demand order and to the supply chain order.

Related ▼	
Prices	CTRL+11
Order lines	CTRL+12
Pre-text/Line	CTRL+18
Post-text/Line	CTRL+19
Demand order	CTRL+40
Supply Chain	CTRL+45
Material plan	CTRL+46

- Option 11** standard functionality for customer blanket agreements.
- Option 12** standard functionality for customer blanket agreements.
- Option 18** standard functionality for customer blanket agreements.
- Option 19** standard functionality for customer blanket agreements.
- Option 40** will take the user to the demand order for the selected agreement line, program RPS170. Note that demand orders only exist for released bulk orders.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2** SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Prices CTRL+11
Order lines CTRL+12
Pre-text/Line CTRL+18
Post-text/Line CTRL+19
Demand Order CTRL+40
Supply Chain CTRL+45

Customer: _____
BI agreement no: _____
Valid from: _____ Valid to: 090531
Last inv date: _____ Status: 20-Final

+Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
	090101								
+ USS003-CER-M	090510	Pcs	12	12					
+ USS003-CER-S	090501	Pcs	20	20					
+ USS004-GR-S	090501	Pcs	25	25					

M3 Demand Order. Open - RPS170/B SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Inquiry type: 50-Customer, Agree Panel version: STD40-Standard 40

Responsible: _____
Planning date: _____ - _____
Acquisition cd: _____ - _____
Status: _____ - _____

Customer
11370

Apply

Blk agr	Ord no	Reference number	Origin	Main product	Item number	Pl dt
0000097	000000440		BLK	USS003	USS003-CER-M 090510	
0000106	000000409		BLK	USS004	USS004-BU-S 090417	
0000107	000000410		BLK	USS002	USS002-GR-S	

Option 45 will take the user to the supply chain for the selected agreement line, program MWS150.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2** SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Prices CTRL+11
Order lines CTRL+12
Pre-text/Line CTRL+18
Post-text/Line CTRL+19
Demand Order CTRL+40
Supply Chain CTRL+45

Customer: _____
BI agreement no: _____
Valid from: _____ Valid to: 090531
Last inv date: _____ Status: 20-Final

Inquiry type: 1-Detailed level

+Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
	090101								
+ USS003-CER-M	090510	Pcs	12	12					
+ USS003-CER-S	090501	Pcs	20	20					
+ USS004-GR-S	090501	Pcs	25	25					

M3 Active Supply Chain. Display - MWS150/B - SCE Company SCE - Company 510 division AAA

Panel version: MD-1

Ref order cat: 030-Demand order

Order line: 0000000440

Warehouse: 001 Stockholm

Item number: USS003-CER-M Ulrika: Dress

Requested qty: 12 Pcs

Planning date: 090510

Select option: []

Plan time std: 0

Apply

Lev	Sup chn no	Re	Order no	Li...	Ls	Fac	Whs	Pl dt	Requested	Del qty bU	Rcvd PA qt	Prealc qty	Oct	Resp
	0000000683		0000000440			FA1	001	090510	12					11370
1-	0000000683	PO	0006589			FA1	001	090508	12				12 030	11370

Option 46 will take the user to the material plan for the SKU number on the bulk order line and the warehouse on the bulk order header.

Change table structure

These new fields are added to the bulk order agreement lines table:

Table: OAGRLN	
Field ID	Field Name
UWHDPR	Main product (style)
UWOPTY	Y option (often color)
UWTY15	Y option description
UWOPTX	X option (often size)
UWTX15	X option description
UWPLDT	Planning date
UWORGQ	Original quantity
UWORGU	Original U/M

When entering an agreement line (on any level) the style number, color, size and planning date will be stored in the bulk order agreement line table. Original quantity and original U/M will be stored when an agreement is released.

4.1.3 Manual entry of bulk order line in matrix format

With bulk order functionality and settings in OIS061/P it is possible to enter a bulk order line using an aggregated level.

The new fields for quantity tolerances in the subfile for OIS061/B2 can be used for entry on an aggregated level. If entering values in these fields and creating bulk order lines via the matrix, these same tolerances will apply for all lines created.

Enter a bulk order line for a style or style-color (or any other alias type 84-88 defined in MMS025 and in parameters for bulk order line entry OIS061/P). If the new parameter "Full screen option" has been activated, the matrix entry CRS207 will appear on screen.

M3 Full-screen Entry - Matrix. Open - CRS207/B ISA Fashion SCE - 510/AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Customer: 11370 Customer

Distr template:

Bl agreement no:

Style no: 11370 Style template

Valid from:

Valid to:

+ Descr	Total	SMALL	MEDIUM	LARGE
+ Total	500	150	200	150
+ Blue	150	45	60	45
+ Red	150	45	60	45
+ Black Paint Col	200	60	80	60

Matrix functionality for bulk orders:

- To display matrix totals the standard matrix settings in CRS207/P are used. Use F13 to enter the program. Make sure "Totals" are activated and also "Confirm with Enter". This is standard matrix functionality that has been enabled for bulk orders.

- A **warehouse control** has been implemented. Fields in the matrix where the item does not exist on the warehouse (from the bulk order header) are closed for entry.

- It is possible to use **distribution templates**. In CRS207/P a parameter controls if distribution templates should be used. A valid distribution template is defaulted in the CRS207 entry. Enter the total quantity and confirm, thereafter the quantity will be distributed to SKU's using the distribution template information. For information on how distribution templates are set up, we refer to Companion documentation.

- The **new field** "Valid to" will apply on all matrix lines. If nothing is entered, the bulk order header valid to date will be used for all matrix lines. If entering a date, it will apply for all matrix lines.

- When confirming the matrix quantities, the agreement lines are updated on SKU level.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2 ISA Fashion SCE - 510/AAA

Actions Options Related Tools

Customer: 11370 11370 Customer
 Bl agreement no: 0100015
 Valid from: 090901 Valid to: 090930
 Last inv date: Status: 10-Preliminary

Sorting order: 1-Detailed level
 1-Detailed level
 2-Superior groups
 3-Style level

Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
	090910								
+ USS006-BLA-L	090910	PCS	60	60			12	24	12
+ USS006-BLA-M	090910	PCS	80	80			12	24	12
+ USS006-BLA-S	090910	PCS	60	60			12	24	12
+ USS006-BLU-L	090910	PCS	45	45			12	24	12
+ USS006-BLU-M	090910	PCS	60	60			12	24	12
+ USS006-BLU-S	090910	PCS	45	45			12	24	12
+ USS006-RED-L	090910	PCS	45	45			12	24	12
+ USS006-RED-M	090910	PCS	60	60			12	24	12
+ USS006-RED-S	090910	PCS	45	45			12	24	12

NOTE:

- When entering a style or style-color – and the new parameter “Full screen option” has not been activated – the agreement line will be set up at style level. It is important to know that there is no support to break down the agreement to SKU level and there is no support for the bulk order processes if the bulk order line is at style level.
- For the SKU’s created from the matrix, the quantity tolerances entered in OIS061/B2 will be stored in the bulk order line table. Also the style number, the size and the color will be stored. Start date for the SKU lines will be the start date entered at the aggregated level.

Display of bulk order in Matrix entry format

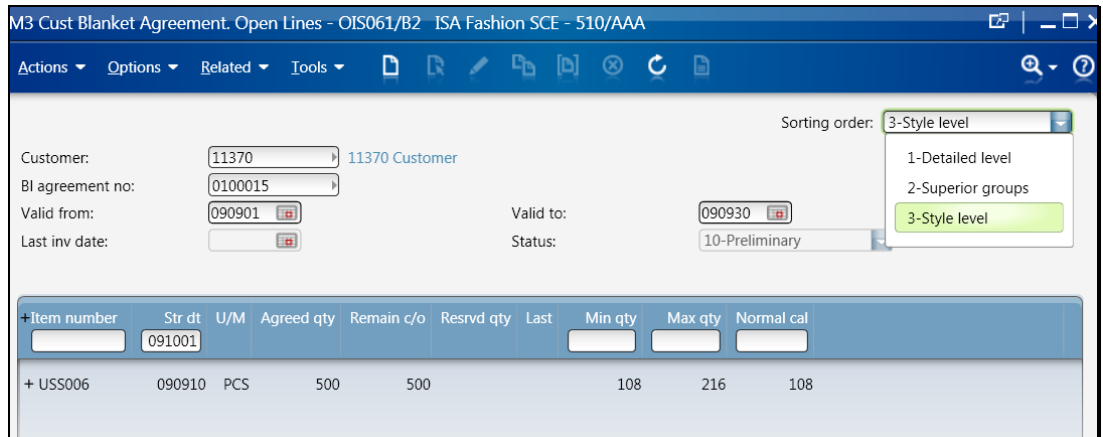
To enable display of bulk order lines on style level, a new inquiry type has been implemented.

1 = Detailed level

When inquiry type 1 is used, all transactions will be displayed at SKU and start date level.

3 = Style level

When inquiry type 3 for style level is used, all transactions at SKU level will be aggregated per style and start date.



- It is possible to create a new agreement line on any of the inquiry types 1 (detailed level) and 3 (style level).
- It is not possible to copy an aggregated level.

Change of bulk order lines in Matrix entry format

It is possible to do changes at an aggregated level for bulk orders.

Use inquiry type 3 = style level

Use option 2 = change

The matrix will be displayed with all fields where the item exists in the warehouse are open for edit.

- If changing an existing quantity, a change transaction will be performed at SKU level.
- If entering a quantity in a blank field, an add transaction will be performed at SKU level.
- If deleting a quantity in a field, a delete transaction will be performed at SKU level.
- If the valid to-date is blank, it means that different valid to dates exists. If it is not blank, this is the date that is valid for all matrix lines. If this date is changed, this date will update all matrix lines.

Delete of bulk order lines in Matrix entry format

It is possible to delete an aggregated level for bulk orders.

Use inquiry type 3 = style level

Use option 4 = delete

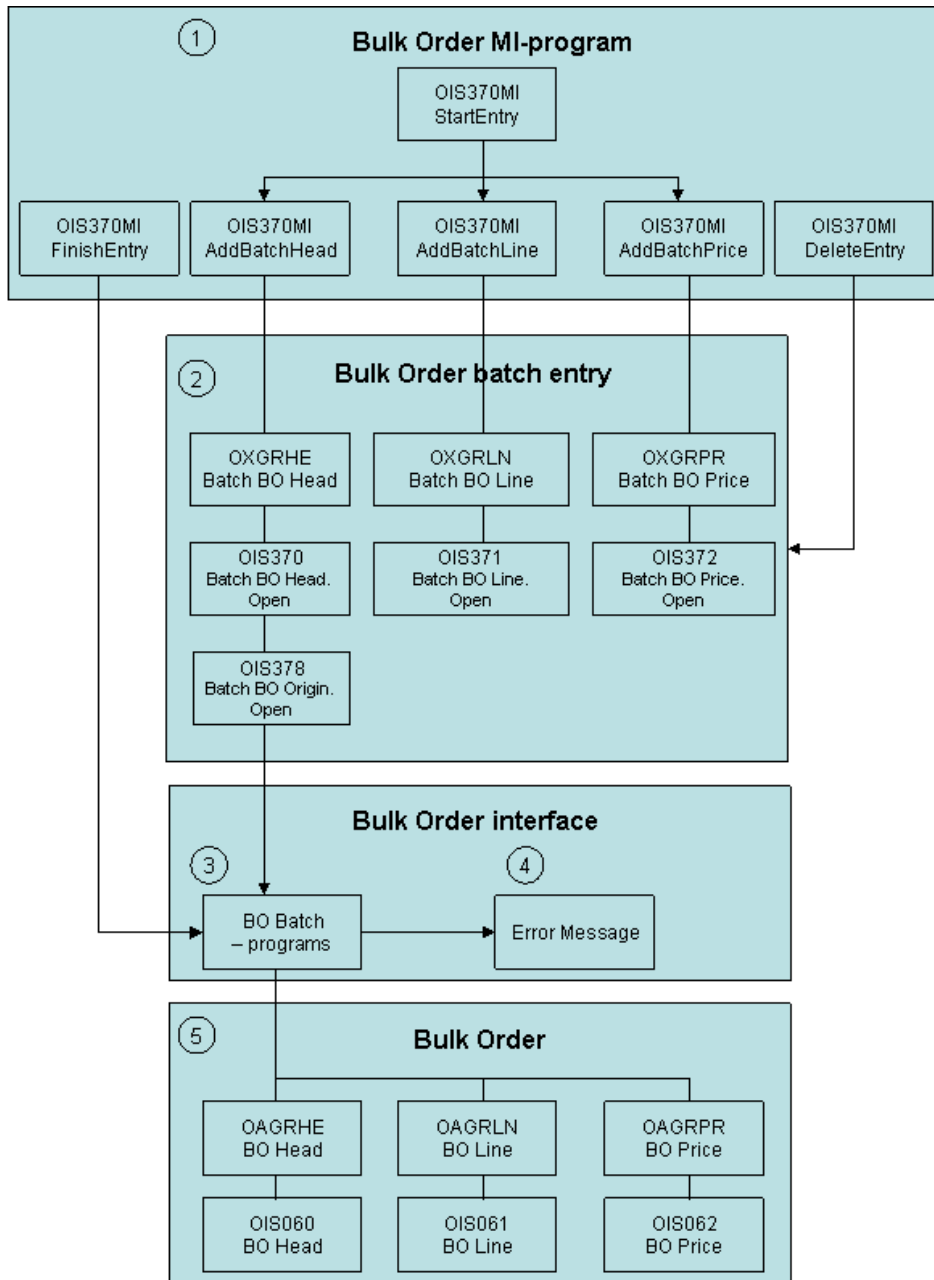
The matrix will be displayed and needs to be confirmed to execute the delete.

This will delete all detailed transaction lines connected to the Style.

4.2 API creation

With an API for bulk order entry, we can provide the possibility to integrate with other systems. Also, we enable integration testing using MI-test as an application.

Below you can see the API transactions and how they affect the new data tables OXGRHE and OXGRLN.



4.2.1 Workflow outline

The workflow for the bulk order batch entry (BOBE) is as follows. See figures in picture above.

- 1) MI-program `OIS370MI` transfers data sent from the external system to M3 and creates records in the interface tables (`OXGRHE`, `OXGRLN`, etc.).
- 2) The interface data is displayed and maintained in the interface programs (BOBE) named `OIS370-OIS371`. The interface data will be possible to update and it should even be possible to manually add new records in the interface but the validation process will be separated to a function program. This means that

no validations will be made interactively in the interface programs (OIS370-OIS371).

A status will be used in order to let the system know if the MI-transactions have finished the work with a specific BOBE or not. Status 10= 'Order entry in progress' means that the MI-program is working with the order and when the status is set to 20= 'Order entry finished' the users and the system knows that all the data has been transferred to the interface tables for that specific BOBE. This makes it possible to track records that are not complete in the interface tables in case of an interrupted MI-transaction.

3) Once the data has been added into the interface tables it can be processed (validated and transferred) by several new function programs.

4) If an error should appear, an e-mail could be sent to the responsible user where several problems can be listed. It is also possible to trigger an e-mail via CRS424 when a new bulk order has been created in the interface. This is not described in this document, as it follows standard functionality.

5) If everything is OK during the validation process the bulk order head can be transferred / created in OIS060 (OAGRHE) and the lines in OIS061 (OAGRLN) just as when the BO is created manually in OIS305.

4.2.2 New program OIS378 – Parameters per Batch Origin

In order to have a flexible solution, a parameter program has been created in which you do settings on how the process should work. This is done per batch origin, and could be overruled by customer within each batch origin. A batch origin could for example correspond to a customer number, an identifier for an external system.

See chapter 2.1.2 for the parameter settings.

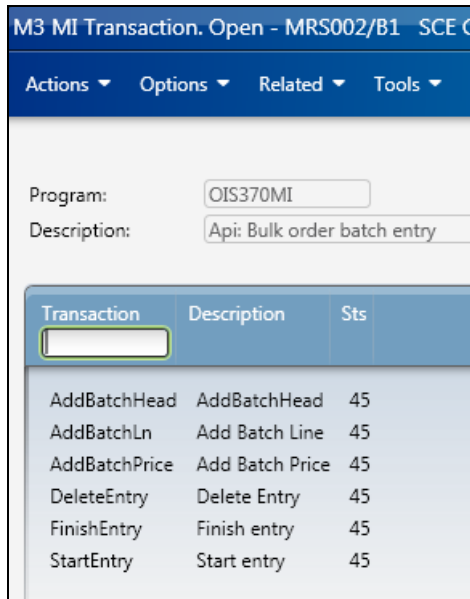
4.2.3 New program OIS379 – Parameters Batch Origin - Connect exceptions

To enable having unique number series or process for different customers within a batch origin, it is possible to set up exceptions on a customer level.

See chapter 2.1.3 for the parameter settings.

4.2.4 New program OIS370MI - MI transactions

This program is used for integration with M3 BE.

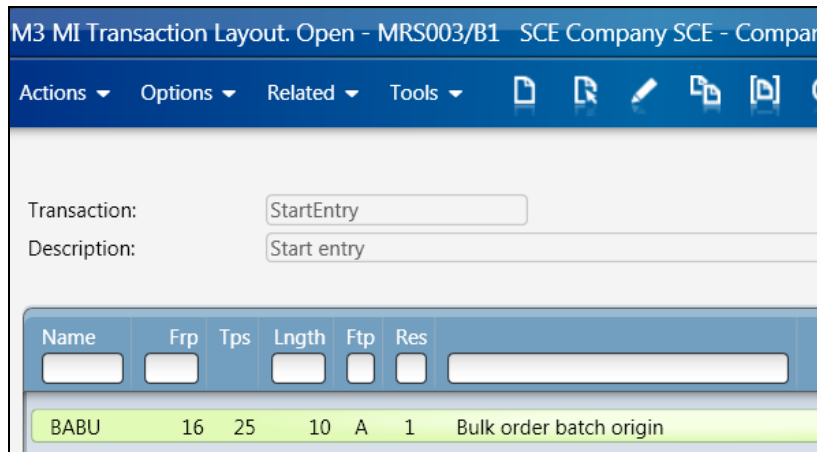


- **StartEntry**

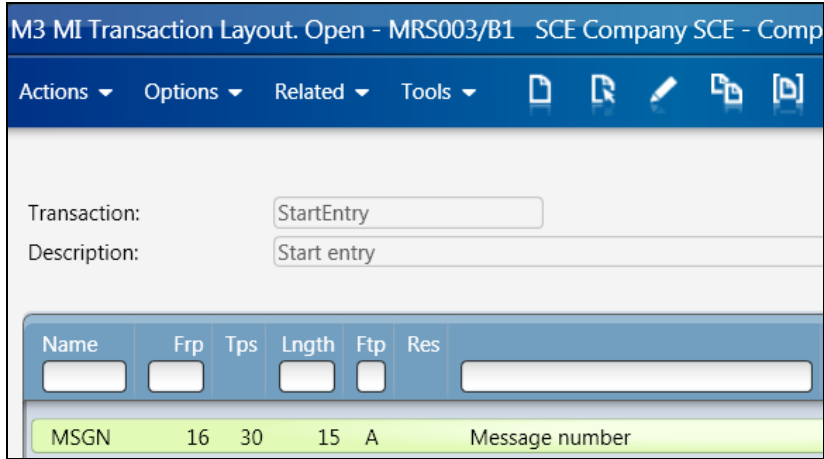
The purpose of this transaction is to identify the sender of data and receive a message number in return.

Batch Origin is the only field available to send IN. Unique parameters can be set per batch origin in program OIS378.

Fields in:



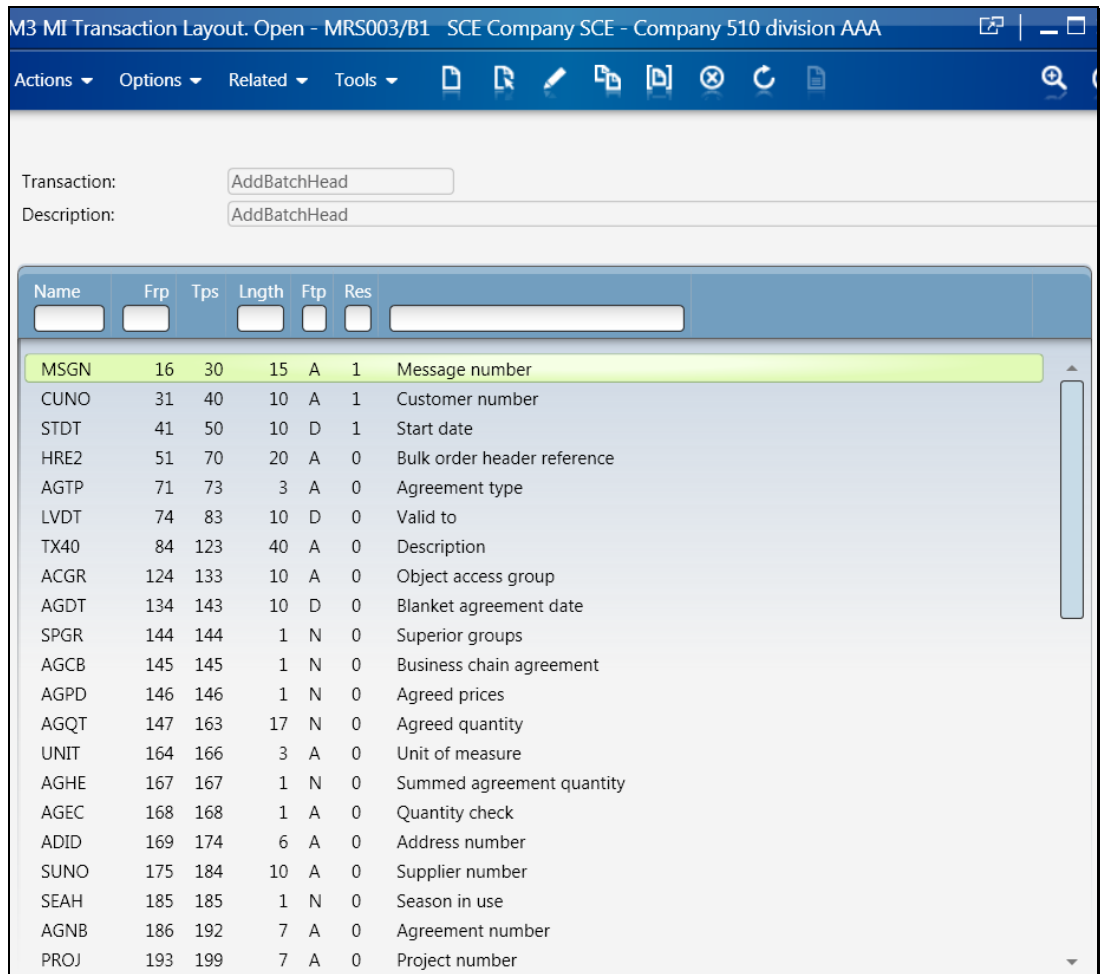
Fields out:



The message number received will be used in all the following transactions regarding this specific bulk order.

- **AddBatchHead**

Fields in:



Fields out:

M3 MI Transaction Layout. Open - MRS003/B1 SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Transaction: AddBatchHead

Description: AddBatchHead

Name	Frp	Tps	Lngh	Ftp	Res	
AGNO	16	22	7	A		Blanket agreement number

- **AddBatchLine**

Fields in:

M3 MI Transaction Layout. Open - MRS003/B1 SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Transaction: AddBatchLn

Description: Add Batch Line

Name	Frp	Tps	Lngh	Ftp	Res	
MSGN	16	30	15	A	1	Message number
CUNO	31	40	10	A	1	Customer number
AGNO	41	47	7	A	0	Blanket agreement number
FDAT	48	57	10	D	1	From date
STDT	58	67	10	D	1	Start date
OBV1	68	82	15	A	1	Start value 1
HRE2	83	102	20	A	0	Bulk order header reference
LRE2	103	122	20	A	0	Bulk order line reference
LVDT	123	132	10	D	0	Valid to
PRRF	133	134	2	A	0	Price list
PRLC	135	144	10	A	0	Price list customer number
SPUN	145	147	3	A	0	Sales price unit of measure
SUNO	148	157	10	A	0	Supplier number
AGNB	158	164	7	A	0	Agreement number
AGQT	165	181	17	N	0	Agreed quantity
UNIT	182	184	3	A	0	Unit of measure
D2QT	185	201	17	N	0	Minimum quantity
D3QT	202	218	17	N	0	Maximum quantity
NAQT	219	235	17	N	0	Normal call-off quantity

Fields out:

M3 MI Transaction Layout. Open - MRS003/B1 SCE Company SCE - Company 510 division AAA

Transaction: AddBatchLn
 Description: Add Batch Line

Name	Frp	Tps	Lngh	Ftp	Res	
AGNO	16	22	7	A		Bulk order number

- AddBatchPrice**

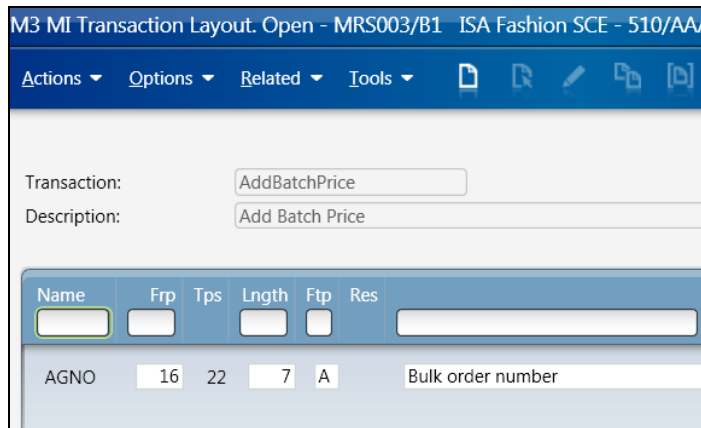
Fields in:

M3 MI Transaction Layout. Open - MRS003/B1 ISA Fashion SCE - 510/AAA

Transaction: AddBatchPrice
 Description: Add Batch Price

Name	Frp	Tps	Lngh	Ftp	Res	
MSGN	16	30	15	A	1	Message number
CUNO	31	40	10	A	1	Customer number
AGNO	41	47	7	A	0	Blanket agreement number
FDAT	48	57	10	D	1	From date
STDT	58	67	10	D	1	Start date
OBV1	68	82	15	A	1	Start value 1
HRE2	83	102	20	A	0	Bulk order header reference
LRE2	103	122	20	A	0	Bulk order line reference
QTYL	123	139	17	N	0	Lowest quantity limit
AGPR	140	158	19	N	0	Agreed price
SACD	159	163	5	N	0	Sales price quantity
DIPC	164	170	7	N	0	Discount
DIPR	171	187	17	N	0	Discount amount per unit

Fields out:



M3 MI Transaction Layout. Open - MRS003/B1 ISA Fashion SCE - 510/AA

Transaction: AddBatchPrice
Description: Add Batch Price

Name	Frp	Tps	Lngh	Ftp	Res
AGNO	16	22	7	A	Bulk order number

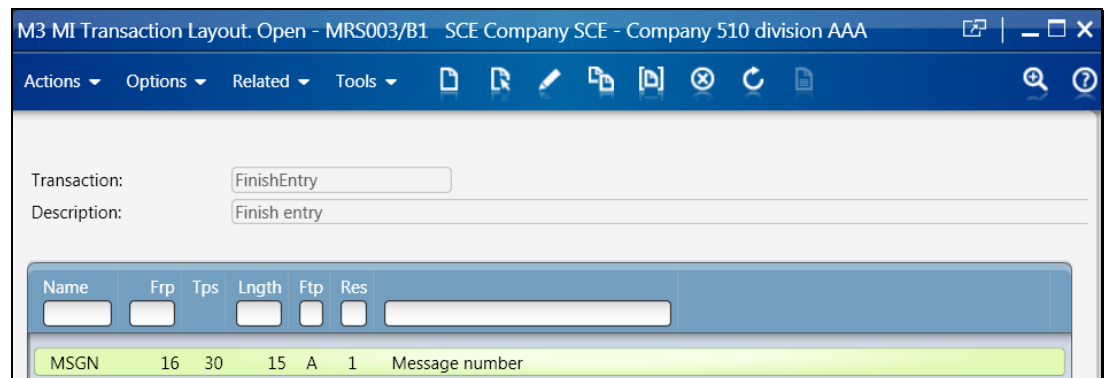
- **FinishEntry**

The FinishEntry transaction will call the M3 validation programs for bulk order batch entry. The purpose of this is to validate that the data is correct according to settings. The validations are the same as if the bulk order had been entered manually from OIS305.

If no errors are found in the bulk order batch entry, it will reach status 90 and be created as a preliminary bulk order in OIS305.

If errors are found in the bulk order batch entry, it will get an error code and the message will show in the OIS370 error log.

Fields in:



M3 MI Transaction Layout. Open - MRS003/B1 SCE Company SCE - Company 510 division AAA

Transaction: FinishEntry
Description: Finish entry

Name	Frp	Tps	Lngh	Ftp	Res
MSGN	16	30	15	A	1 Message number

- **DeleteEntry**

The DeleteEntry transaction deletes the whole message number. This can only be used when no FinishEntry transaction has been completed.

Fields in:

M3 MI Transaction Layout. Open - MRS003/B1 SCE Company SCE - Company 510 division AAA

Transaction: DeleteEntry

Description: Delete Entry

Name	Frp	Tps	Lngth	Ftp	Res	Message number
MSGN	16	30	15	A	0	Message number

4.2.5 Update and release stopped bulk orders

Bulk orders in the batch entry program will be validated with the M3 controls as if the bulk order had been entered manually in the bulk order toolbox (OIS305 – OIS060 – OIS061). For the API program this is done in the FinishEntry transaction. Erroneous transactions will stop with status 23 in the BOBE toolbox OIS370 and can be corrected and released again.

It is important to know that when entering a transaction in OIS370 panel E and F no validation of data is performed. The validation is made by the validate option (25).

The result of the validation will update the transaction with a status and an error log. Only erroneous transactions need to be changed and validated again. If no errors are found when the order is sent via OIS370MI, it will get status 90 in the BOBE. If the order is stopped and reprocessed OK later, the status will be 25. Only status 10-23 needs to be monitored.

Status handling in BOBE:

Status	Description
10	Order entry in progress
20	Order entry finished
23	Error during validation
25	Validated OK
90	Transferred, no errors

Options available:

Lines	CTRL+11
Finish Entry	CTRL+20
Validate	CTRL+25
Process	CTRL+30
Error Log	CTRL+33
BO Batch Selection	CTRL+35
Reset	CTRL+40
BO	CTRL+41

- Option 11 – bulk order batch entry lines

This option will take the user to the bulk order batch entry lines, program OIS371.

- Option 20 – Finish Entry

Finish the entry of a BO batch. The status on the BO batch is raised depending on the setting in OIS378/OIS379. This option is normally not used, but if – for some reason – the finish transaction has not been performed, it can be completed with this option.

The status field on the 'Message number' (MSGN) in the table OXBETR will be updated to status closed. No more record can be added on a finished message number.

- Option 25 - Validate

This option validates the BO batch and is used in order to get information of remaining errors on the transaction. Note that the E and F panels do not perform any validation of data. The error log (option 33) displays errors found in validation.

- Option 30 - Process

Processes the BO batch to a bulk order and sets the temporary batch bulk order to status 25 if no errors are found. If errors are found, the error log (option 33) will display these.

- Option 33 – Error log

With this option you will be displayed the error log created in validation of data for the transaction. The M3 standard error log in CMS421 is used.

- Option 35 – BO batch selection

With this batch selection program you can release several batch orders at once. This batch selection can also perform a delete.

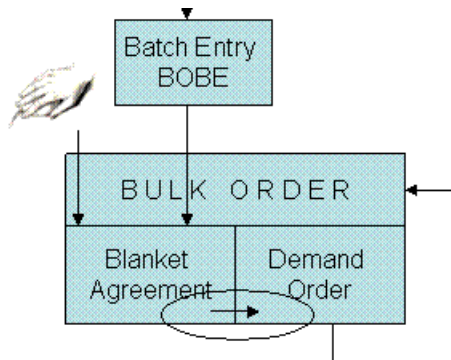
- Option 40 – Reset

This option will reset batch orders that are in progress. If the communication is interrupted before sending the Finish-transaction, the work in progress parameter in table OXGRHE is still active. This parameter is displayed in OIS370/E.

- Option 41 – Bulk Order

This option takes you to the bulk order toolbox, OIS305.

5 Release bulk order



A bulk order is created with a preliminary status, 10. At that stage only the blanket agreement part of the bulk order exists.

When the responsible for the bulk order approves its contents, the user releases the bulk order. This is done in the bulk order toolbox OIS305.

This action will raise the status for the Bulk Order from preliminary (10) to final (20), and a demand order will be created. One Demand Order will be created for each Bulk Order agreement line. There will always be a 1-1 relationship between these order lines. The bulk order line is the master on which all changes needs to be performed, such as change of quantity or planning date.

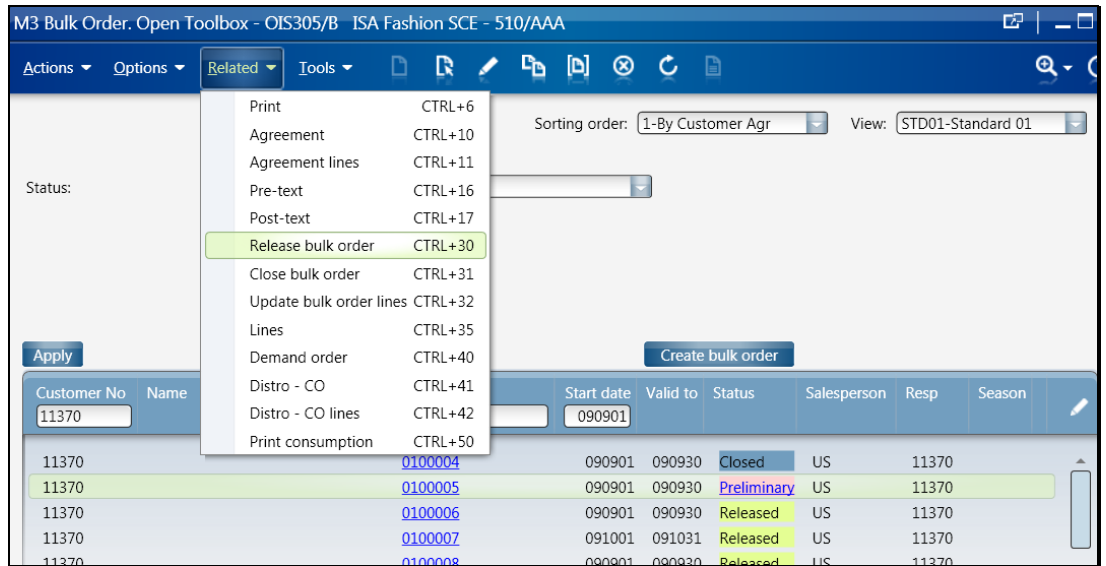
Demand orders are used to create or find acquisition orders to supply the bulk order demand.

The Demand Order Type to be used is set on the Agreement Type.

NOTE that if all bulk order lines are deleted for a released bulk order in status 20, the bulk order status will change to 10. It is also important to know that is only possible to delete a bulk order in status 10.

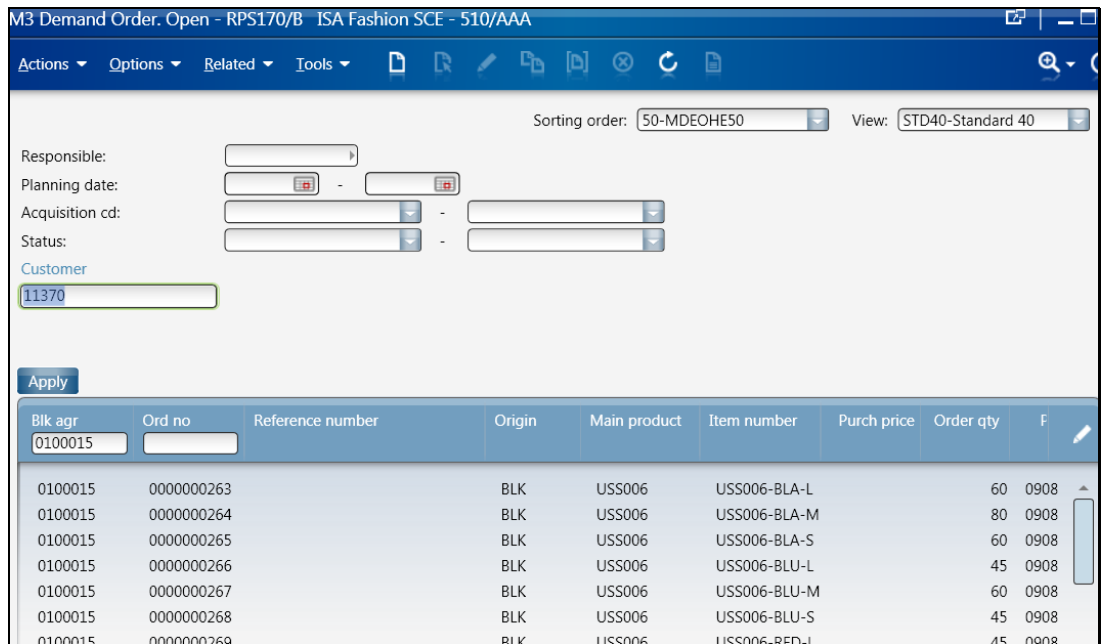
5.1 Release functionality of approved bulk order

- Release the bulk order in the bulk order toolbox (program OIS305) when approved.
- The release job OIS311CL will be performed in a batch mode.



- After the release, one demand order is created per bulk order line.

To see the demand orders, use option 40 in the bulk order toolbox (program OIS305) or on the bulk order lines (program OIS061) or in the bulk order line toolbox (program OIS306) – or open the demand order program RPS170 separately.



- Only bulk orders in status 10 can be released. A message is displayed if releasing a bulk order in another status.

It is only possible to release a preliminary bulk order (status 10)

- A bulk order in status 10 does not have any related demand orders.
- If adding additional bulk order lines to a bulk order that is already in status 20, this will directly create the corresponding demand orders without any release. However you will get a warning message saying that the bulk order is released and that your changes will affect related demand orders.
- When releasing a bulk order the originally agreed quantity, unit of measure, price list and currency will be stored in separate fields. The purpose of this

is to be able to find out exactly what was agreed when the bulk order was approved. These fields are available to use in the panel version for the bulk order line toolbox. The fields will only be updated when a bulk order is manually released to status 20. If a new bulk order line is added thereafter, no original values will be stored.

	Field in OAGRLN	“Originally agreed” field in OAGRLN
Agreed quantity	UWAGQT	UWORGQ
Unit of Measure	UWUNIT	UWORGU
Price list	UWPRRF	UWORG P
Currency	UWCUCD	UWORG C

5.2 Demand orders

Demand orders are created in program RPS170, using the demand order type set on the blanket agreement type. There is a 1-1 relationship between a bulk order line and a demand order, and the bulk order line is a master from where all changes regarding planning date and agreed quantity should be initiated.

There is a new origin for demand orders created from a bulk order, called BLK.

The demand order quantity always equals the bulk order line quantity and the demand order planning date equals the planning date on the bulk order line.

Blk agr	Ord no	Reference number	Origin	Main product	Item number	Pl dt
0000078	0000000339		BLK	USS003	USS003-BLA-S	090401
0000078	0000000338		BLK	USS003	USS003-BLA-M	090401
0000078	0000000345		BLK	USS003	USS003-CER-S	090401
0000078	0000000344		BLK	USS003	USS003-CER-M	090401
0000078	0000000343		BLK	USS003	USS003-CER-L	090401
0000083	0000000351		BLK	USS003	USS003-BLA-S	090401
0000083	0000000350		BLK	USS003	USS003-BLA-M	090401
0000083	0000000352		BLK	USS003	USS003-BLA-M	090415
0000083	0000000353		BLK	USS003	USS003-BLA-S	090415
0000095	0000000405		BLK	USS004	USS004-BL-M	090510

It is not allowed to change or delete a demand order with an origin = BLK within RPS170. All changes should be performed on the bulk order line.

6 Acquisition planning / execution

6.1 Create supply to demand order via supply chain order

The supply flow for a bulk order is driven by the supply chain policy set up on item/warehouse (MMS002/E).

M3 Item. Connect Warehouse - MMS002/E SCE Company SCE - Company 510 division AAA

Item

Item number: MDS021-200-M W Suit Jacket
Warehouse: 001 Stockholm

Planning Parameters

Note:

Planner: 11907 Facility: FA1
Acquisition cd: 2-Purchased Period frame: 1 Normal 5d4w9m
Planning method: 1-MRP Planning policy: 00 Store items
Mastr scheduled: 0-Not mstr sch it Supply c policy: MD5 BO autofind

Admin lead tm: Cont net change:
Postal lead tm: Plan horizon: 150
Supply lead tm: Safety time: 2
Transp lead tm: 3 Demand tm fence:
Inspec lead tm: Plannng tm fence:
Lead time: 3 Seasonal item:
Status: 20-Released F/C method: 00 MANUAL FORECAST
F/C logic: 01 JPM Forecast Lo

Order type: MD1 Normal PO Supplier: 7500 Henriks Su
Supplying whs: Multiple supply: 2-Multiple

Two main acquisition flows are supported for bulk order. These are;

1. Generation of new supply, or
2. Use of existing supply and eventual shortages managed by MRP

In the first case the Supply Chain Order for the demand order drives the creation of a new acquisition order resulting in a one-to-one relationship between demand order and acquisition order.

In the second case the Supply Chain Order instead looks for already existing acquisition orders to pre-allocate the demand order to, resulting in possibly a many-to-one relationship between acquisition order and demand order. In this case shortages will be provided for by MRP, presuming the item is MRP-planned.

Note that a combination of these two acquisition flows is not possible.

6.1.1 Scenario 1— Generation of new supply via SCO

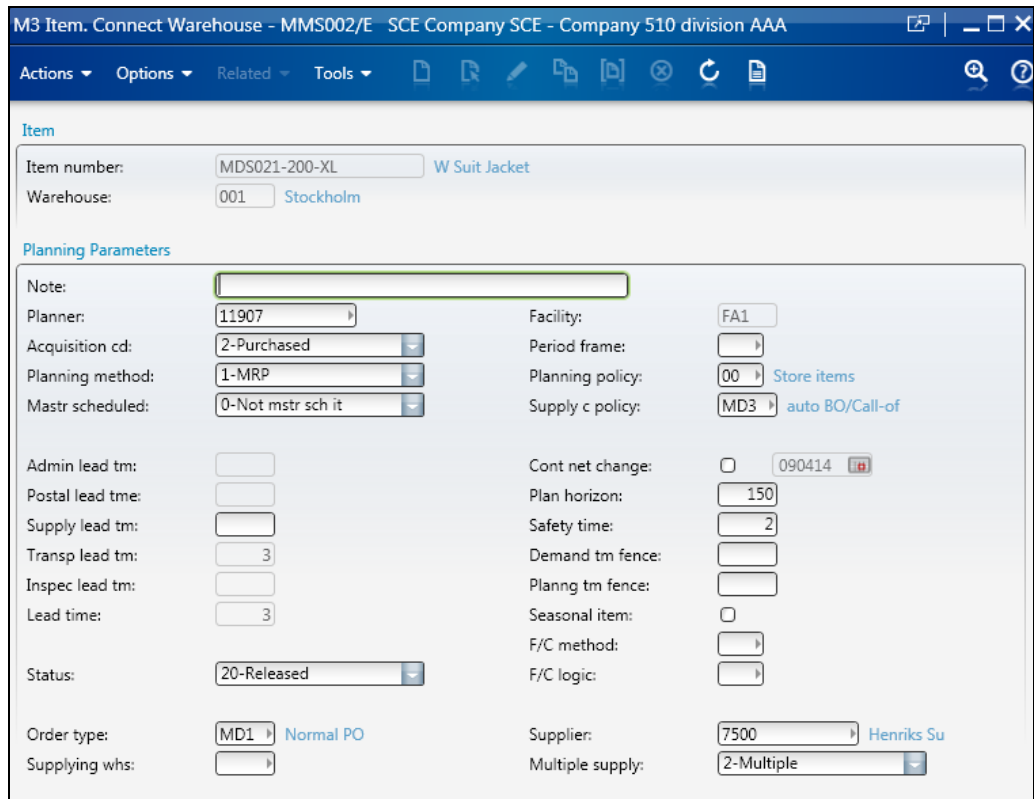
Acquisition is solely based on the demand for a bulk order line.

Workflow outline:

- Bulk order is received
- When releasing the bulk order a new acquisition order is generated for the demand order that is created for it.

Starting point:

Purchased item MDS021-200-XL set up in warehouse 001 according to below:



M3 Item. Connect Warehouse - MMS002/E SCE Company SCE - Company 510 division AAA

Item

Item number: MDS021-200-XL W Suit Jacket
Warehouse: 001 Stockholm

Planning Parameters

Note:

Planner: 11907 Facility: FA1
Acquisition cd: 2-Purchased Period frame:
Planning method: 1-MRP Planning policy: 00 Store items
Mastr scheduled: 0-Not mstr sch it Supply c policy: MD3 auto BO/Call-of

Admin lead tm: Cont net change: 090414
Postal lead tm: Plan horizon: 150
Supply lead tm: Safety time: 2
Transp lead tm: 3 Demand tm fence:
Inspec lead tm: Planning tm fence:
Lead time: 3 Seasonal item:
Status: 20-Released F/C method:
F/C logic:

Order type: MD1 Normal PO Supplier: 7500 Henriks Su
Supplying whs: Multiple supply: 2-Multiple

- Supply chain policy MD3:
 - o Stop supply chain explosion (SSCE) = 0 – Continuous explosion
 - o Link existing order (NAUL) = 0 - No

M3 Supply Chain Policy. Open - CRS709/E SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Panel Header

Supply c policy: MD3
 Description: auto BO/Call-off link
 Name: auto BO/Call-of

Detailed Information

Attr model:
 Order link type: 1-AutoToPreAlloc
 Stop SC expl: 0-Cont explosion
 Link exist ord: 0-No
 FIFO link:
 Allocate stock:
 APS tolerance: 0.00
 Mtrl upstream: 3-Always

Create in batch:
 Auto find s c: 0-No auto connect
 Mult ord links:
 Safety tme ctrl: 0-Always
 Tol control:
 Upstream prio: 2-Planning date

A purchase order exists for the item in warehouse 001:

M3 Material Plan. Open - MMS080/B1 SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Inquiry type: 7-Details 7

Warehouse: 001 Stockholm
 Item no: MDS021-200-XL W Suit Jacket
 Select option:
 On-hand: 0
 Safety stock: 0
 Order quantity: 0 PCS
 Lead time: 3 / 090417
 Plannng tm fence: 3 / 090417

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+	090423	150	150	0	251	15	87	7074184	10	

Step 1) A bulk order is received for the item of agreed quantity 100 pieces and with planning date later in time than the existing purchase order.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2 SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Inquiry type: 1-Detailed level

Customer: 11907 Marias customer
 Bl agreement no: MARIA39
 Valid from: 090420 Valid to: 090530
 Last inv date: Status: 10-Preliminary

+Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
MDS021-200-XL	090510								
+ MDS021-200-XL	090510	PCS	100	100			1	100	10

Step 2) The bulk order is released → A demand order is created for it.

M3 Demand Order. Open - RPS170/B SCE Company SCE - Company 510 division AAA

Actions Options Related Tools

Inquiry type: 50-Customer, Agree Panel version: STD40-Standard 40

Responsible: Planning date: Acquisition cd: Status: 20-Definitive
 Customer: 11907

Apply

Blk agr	Ord no	Reference number	Origin	Main product	Item number	Pl dt
MARIA39						
MARIA39	000000502		BLK	MDS021	MDS021-200-XL	090506

The supply chain order which the demand order is connected to generates a new acquisition order which is automatically pre-allocated to the demand order.

M3 Active Supply Chain. Display - MWS150/B SCE Company SCE - Company 510 division AAA

Panel version: MD-1

Ref order cat: 030-Demand order

Order line: 0000000502

Warehouse: 001 Stockholm

Item number: MDS021-200-XL W Suit Jacket

Requested qty: 100 PCS

Planning date: 090506

Select option:

Plan time std: 0

Apply

Lev	Sup chn no	Re	Order no	Li...	Ls	Fac	Whs	Pl dt	Requested	Del qty bU	Rcvd PA qt	Prealc qty	Oct
	0000000801		0000000502			FA1	001	090506	100				
1-	0000000801	PO	0006662			FA1	001	090504	100			100	030

A view of the material plan for the item:

M3 Material Plan. Open - MMS080/B1 SCE Company SCE - Company 510 division AAA

Inquiry type: 7-Details 7

Warehouse: 001 Stockholm

Item no: MDS021-200-XL W Suit Jacket

Select option:

On-hand: 0

Safety stock: 0

Order quantity: 0 PCS

Lead time: 3 / 090417

Plannng tm fence: 3 / 090417

Apply

+	PI dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+	090423	150	150	0	251	15	B3	7074184	10	
+	090504	100	250	100	250	20	B7	0006662		
+	090506	100-	150	100	030	20		0000000502		

Step 3) The planned purchase order which is dedicated to the demand order of the bulk order is released. → The pre-allocation between the demand order and the purchase order is maintained.

M3 Material Plan. Open - MMS080/B1 - SCE Company SCE - Company 510 division AAA

Inquiry type: 7-Details 7

Warehouse: 001 Stockholm

Item no: MDS021-200-XL W Suit Jacket

Select option:

On-hand: 0

Safety stock: 0

Order quantity: 0 PCS

Lead time: 3 / 090417

Planning tm fence: 3 / 090417

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+										
+	090423	150	150	0	251	15	83	7074184	10	
+	090504	100	250	100	251	20	87	7074185	1	
+	090506	100-	150	100	030	20		0000000502		

6.1.2 Scenario 2 – Find existing supply & MRP

The most common scenario when using MRP in the acquisition planning is to run MRP against a forecast. A forecast is usually created in order to manufacture/buy to stock and the real demand is received at a later point in time. This means that for the demand orders created by bulk orders new proposals only will be generated via MRP in exceptional cases, as the acquisition proposals in most cases already exist when the demand is received.

However the planning dates of the supplying proposals might very well not fit the actual planning dates of the demand. As a result, manual rescheduling of the proposals are usually required, and thus MRP itself will never automatically try to link an existing proposal to a supply chain. Instead this will happen when a proposal is released, an order confirmed, or at goods receipt at the latest. However MRP facilitates this process by giving the user an action message, e.g. A1 Plan in and release, B2 Plan in. So by following the action messages and manually reschedule the proposals, the material plan will be kept in sync upon releasing the proposals.

It's important to understand that when working with forecasts, the forecast is assumed to include the total predicted demand i.e. even the bulk order quantities should be included in the forecast. This is quite logical since a calculated forecast is based on the item statistics or the sales statistics which includes all the distros as well as normal customer orders.

Workflow outline:

- Forecast-driven acquisition.
- Bulk order received after acquisition orders have been generated for the forecast, but which does not fully supply the bulk order.

Starting point:

Purchased item MDS021-200-M set up in warehouse 001 according to below:

M3 Item. Connect Warehouse - MMS002/E SCE Company SCE - Company 510 division AAA

Item

Item number: MDS021-200-M W Suit Jacket
Warehouse: 001 Stockholm

Planning Parameters

Note:

Planner: 11907 Facility: FA1
Acquisition cd: 2-Purchased Period frame: 1 Normal 5d4w9m
Planning method: 1-MRP Planning policy: 00 Store items
Mastr scheduled: 0-Not mstr sch it Supply c policy: MD5 BO autofind

Admin lead tm: Cont net change:
Postal lead tm: Plan horizon: 150
Supply lead tm: Safety time: 2
Transp lead tm: 3 Demand tm fence:
Inspec lead tm: Planng tm fence:
Lead time: 3 Seasonal item:
Status: 20-Released F/C method: 00 MANUAL FORECAST
F/C logic: 01 JPM Forecast Lo

Order type: MD1 Normal PO Supplier: 7500 Henriks Su
Supplying whs: Multiple supply: 2-Multiple

- Supply chain policy MD5:
 - o Stop supply chain explosion (SSCE) = 1 - Stop expl
 - o Link existing order (NAUL) = 2 – Auto

M3 Supply Chain Policy. Open - CRS709/E SCE Company SCE - Company 510 division AAA

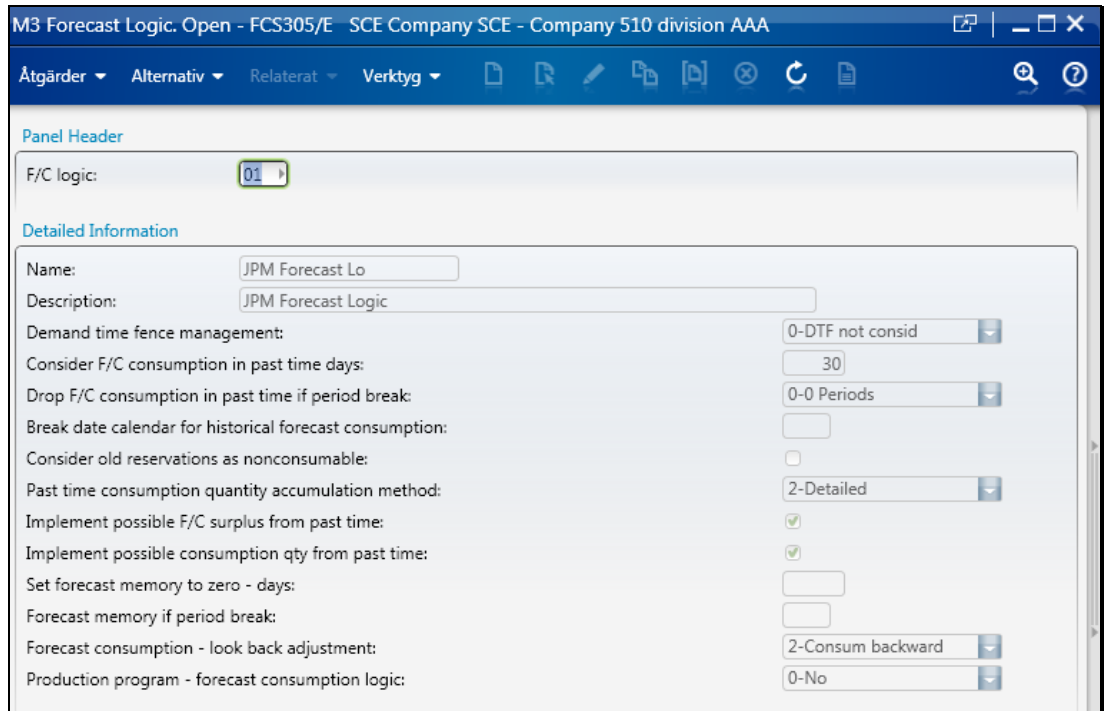
Panel Header

Supply c policy: MD5
Description: BO autofind
Name: BO autofind

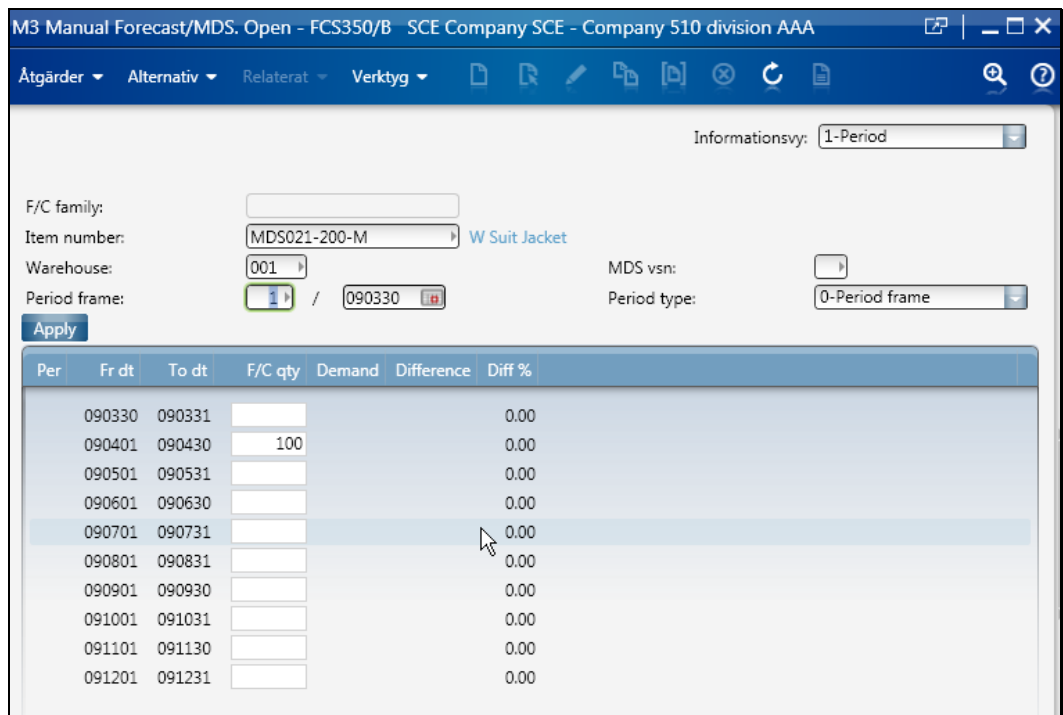
Detailed Information

Attr model:
Order link type: 1-AutoToPreAlloc Create in batch:
Stop SC expl: 1-Stop explosion
Link exist ord: 2-Automatic Auto find s c: 1-Release order
FIFO link: Mult ord links:
Allocate stock: Safety tme ctrl: 0-Always
APS tolerance: 0.00 Tol control:
Mtrl upstream: 3-Always Upstream prio: 2-Planning date

- Forecast logic = 01:



Step 1) A forecast is created with 100 pcs for April:



Step 2) Calculate MRP for the item → A planned purchase order is created for the forecast.

M3 Material Plan. Open - MMS080/B1 - SCE Company SCE - Company 510 division AAA

Informationsvy: 7-Details 7

Warehouse: 001 Stockholm

Item no: MDS021-200-M W Suit Jacket

Select option:

On-hand: 0

Safety stock: 0

Order quantity: 0 PCS

Lead time: 3 / 090402

Planng tm fence: 3 / 090402

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+										
+	090428	100	100	0	250	10		0006601		
+	090430	100-	0		010					

Step 3) Raise the status of the planned purchase order to 20 – Definitive:

M3 Material Plan. Open - MMS080/B1 - SCE Company SCE - Company 510 division AAA

Informationsvy: 7-Details 7

Warehouse: 001 Stockholm

Item no: MDS021-200-M W Suit Jacket

Select option:

On-hand: 0

Safety stock: 0

Order quantity: 0 PCS

Lead time: 3 / 090402

Planng tm fence: 3 / 090402

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+										
+	090428	100	100	0	250	20		0006601		
+	090430	100-	0		010					

Step 4) A bulk order is received of quantity 110 and with planning date later in time than the planned purchase order.

M3 Cust Blanket Agreement. Open Lines - OIS061/B2 - SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

Informationsvy: ()

Customer: 11907 Marias customer
 Bl agreement no: MARIA37
 Valid from: 090401 Valid to: 090530
 Last inv date: Status: 20-Final

+Item number	Str dt	U/M	Agreed qty	Remain c/o	Resrvd qty	Last	Min qty	Max qty	Normal cal
+ MDS021-200-M	090505	PCS	110	110			1	100	10

Step 5) The bulk order is released → A demand order is created for it and is pre-allocated to the planned purchase order.

M3 Material Plan. Open - MMS080/B1 - SCE Company SCE - Company 510 division AAA

Åtgärder ▾ Alternativ ▾ Relaterat ▾ Verktyg ▾

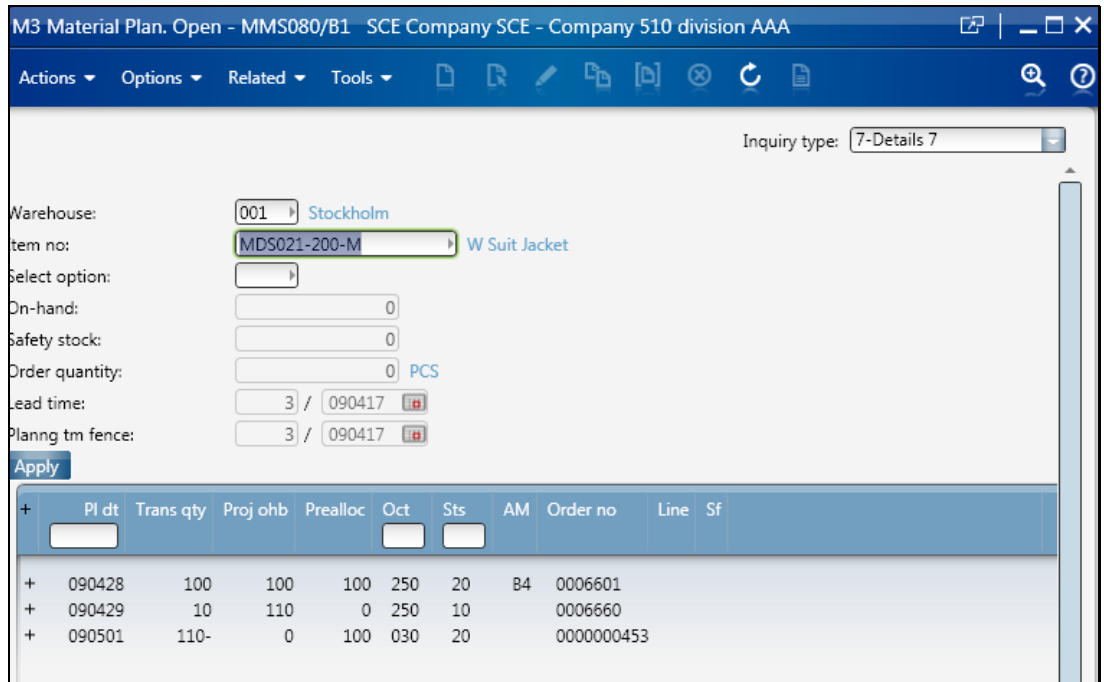
Informationsvy: 7-Details 7

Warehouse: 001 Stockholm
 Item no: MDS021-200-M W Suit Jacket
 Select option:
 On-hand: 0
 Safety stock: 0
 Order quantity: 0 PCS
 Lead time: 3 / 090402
 Planng tm fence: 3 / 090402

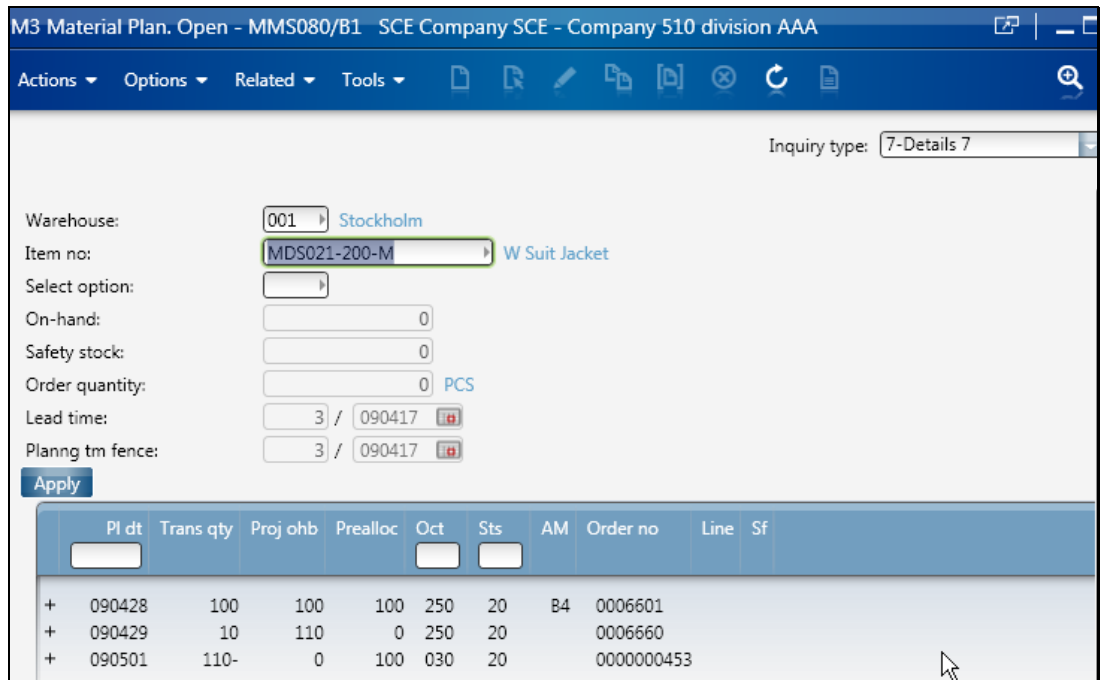
Apply

+ PI dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+ 090428	100	100	100	250	20		0006601		
+ 090501	110-	10-	100	030	20		0000000453		

Step 6) The forecast of 100 pcs has been fully consumed, MRP has been calculated in order to supply the current shortage for the bulk order → A new planned purchase order is created for the shortage.



Step 7) The status of the new planned purchase order is raised to 20 – Definitive, and MRP is calculated again.



As can be seen MRP itself or the firming of the proposal does not trigger an automatic linking to the supply chain order. As a result the remaining quantity on the demand order is not pre-allocated to the new planned purchase order.

There are 3 alternatives to have the pre-allocation done;

1. The supply chain order is manually regenerated in RPS200,
2. The pre-allocation is done manually in MWS121, or

3. The planned purchase order is released (manually or automatically), then the pre-allocation will be performed automatically.

When performing either of the alternatives the remaining qty will also pre-allocate to the demand order. In this case alternative 3 is used according to below.

Step 8) Planned purchase orders are released. The pre-allocation between the demand order and the first purchase order is maintained, whereas a new pre-allocation is established between the demand order and the new purchase order.

+	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+	090428	100	100	100	251	20	B3	7074183	1	
+	090429	10	110	10	251	20		7074183	2	
+	090501	110-	0	110	030	20		0000000453		

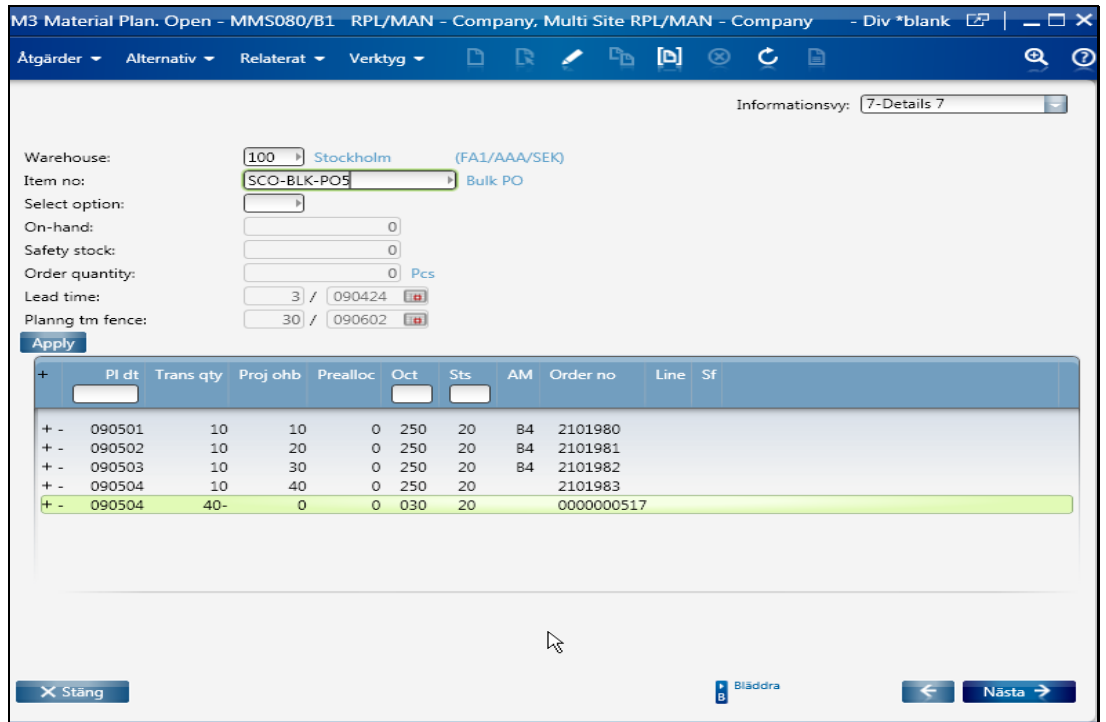
6.2 Pre-allocation of a demand against the sourcing order

The pre-allocation of a sourcing order to a demand is normally performed within the Supply chain order logic i.e. a supply proposal is created and pre-allocated immediately or an existing supply proposal is found and pre-allocated automatically. However, as described in the previous chapter, sometimes the MRP needs to generate a supply proposal in order to cover the remaining quantity. The way to get this supply proposal pre-allocated to a supply chain is:

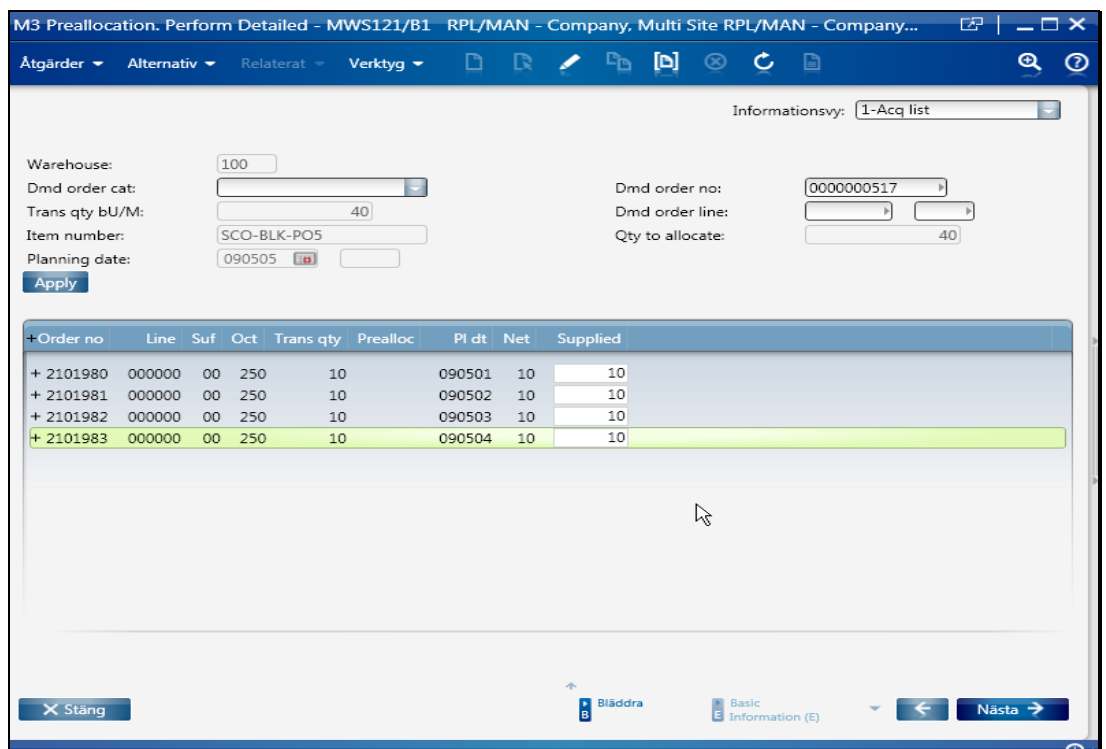
1. The supply chain order is manually regenerated in RPS200,
2. The pre-allocation is done manually in MWS121, or
3. The planned purchase order is released (manually or automatically), then the pre-allocation will be performed automatically.

This chapter will focus on alternative 2.

The first scenario is regarding a bulk order that has been created before any supply exists i.e. no forecast is present. The MRP has generated, in this case, four purchase order proposals.



In this scenario we want to manually pre-allocate the Demand order against the supply proposals. This is done in MWS121.



In MWS121 you can manually pre-allocate the supply orders that have available quantities. This results in that the pre-allocated quantities are displayed in MMS080.

M3 Material Plan. Open - MMS080/B1 RPL/MAN - Company, Multi Site RPL/MAN - Company - Div *blank

Informationsvy: 7-Details 7

Warehouse: 100 Stockholm (FA1/AAA/SEK)
 Item no: SCO-BLK-PO5 Bulk PO
 Select option:
 On-hand: 0
 Safety stock: 0
 Order quantity: 0 Pcs
 Lead time: 3 / 090424
 Planng tm fence: 30 / 090602

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+ -	090501	10	10	10	250	20	B4	2101980		
+ -	090502	10	20	10	250	20	B4	2101981		
+ -	090503	10	30	10	250	20	B4	2101982		
+ -	090504	10	40	10	250	20		2101983		
+ -	090504	40-	0	40	030	20		0000000517		

Stäng Bläddra

In this next scenario a Demand order of 40 pcs has made the MRP to generate a supply proposal of 40 pcs. This proposal has been manually pre-allocated to the Demand order.

Suddenly we've found 50 pcs in stock and when the second bulk order is created it has automatically found the stock and allocated it. Since the first bulk order is for an earlier date it would be better to use the stock for that order and move the pre-allocation for the purchase order proposal to the second Demand order.

M3 Material Plan. Open - MMS080/B1 RPL/MAN - Company, Multi Site RPL/MAN - Company - Div *blank

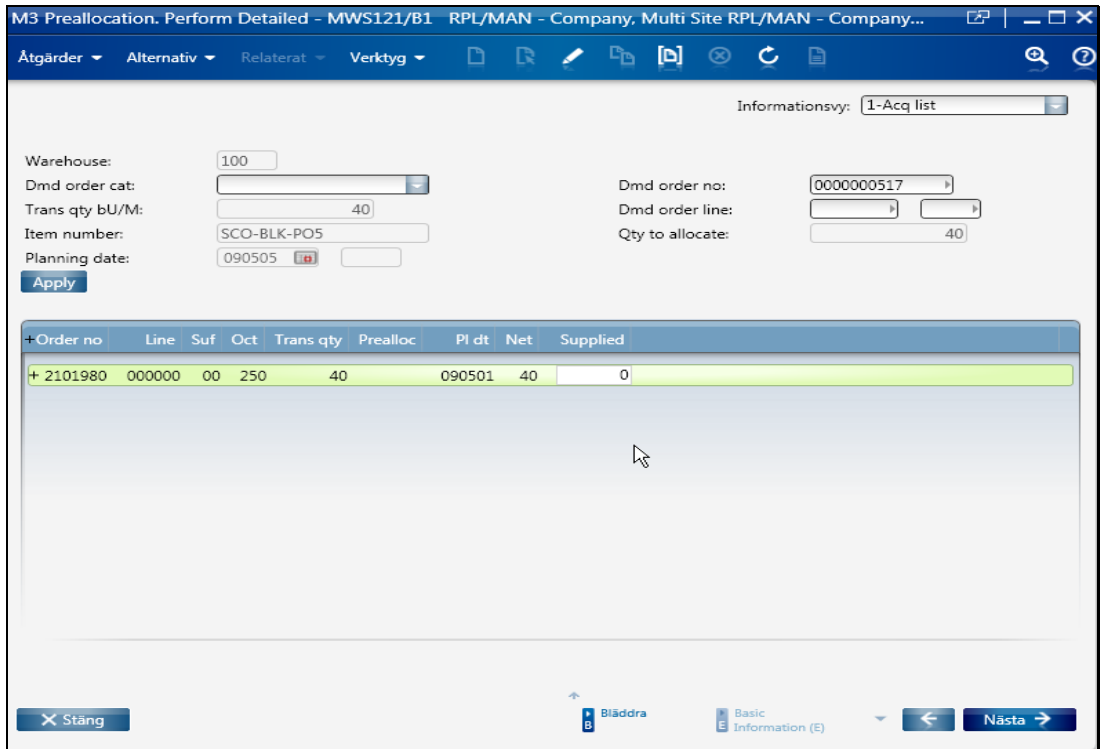
Informationsvy: 7-Details 7

Warehouse: 100 Stockholm (FA1/AAA/SEK)
 Item no: SCO-BLK-PO5 Bulk PO
 Select option:
 On-hand: 50
 Safety stock: 0
 Order quantity: 0 Pcs
 Lead time: 3 / 090424
 Planng tm fence: 30 / 090602

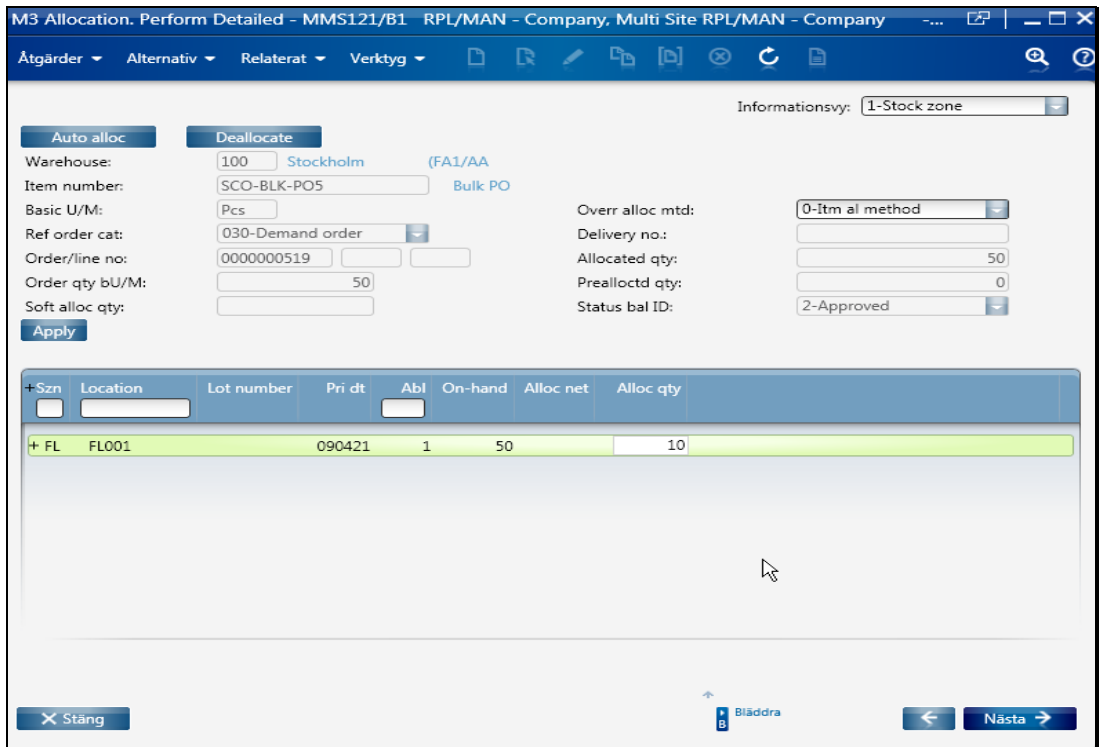
Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+ -	090501	40	90	40	250	20	B4	2101980		
+ -	090504	40-	50	40	030	20		0000000517		
+ -	090531	50-	0	0	030	23		0000000519		

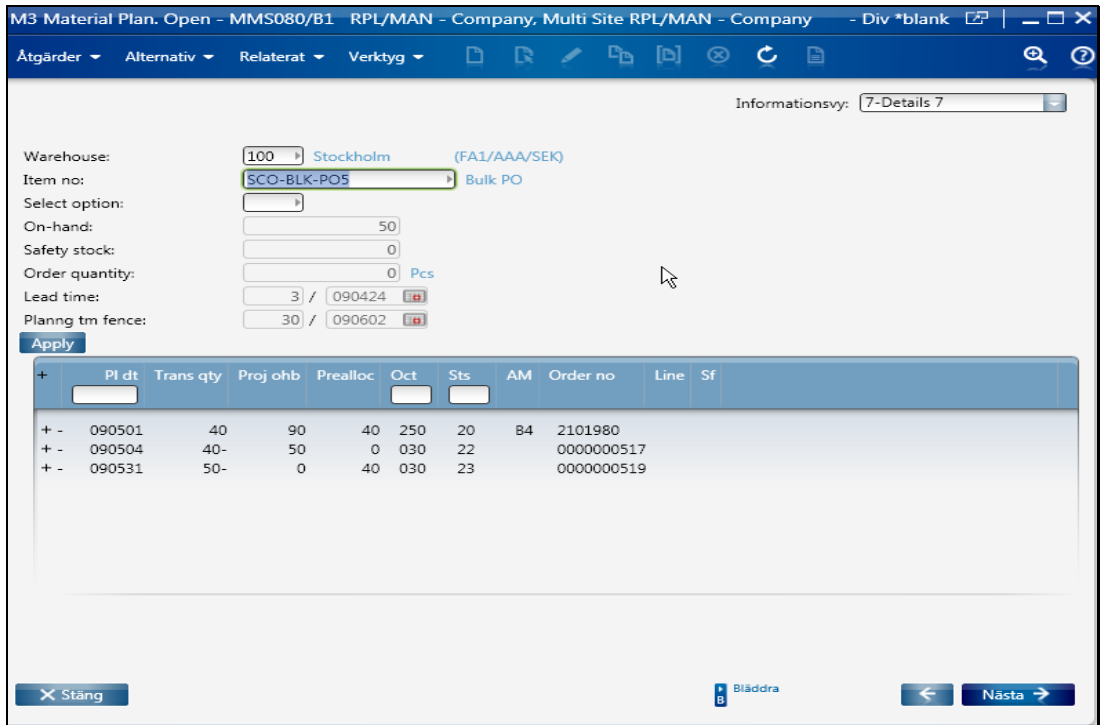
Stäng Bläddra



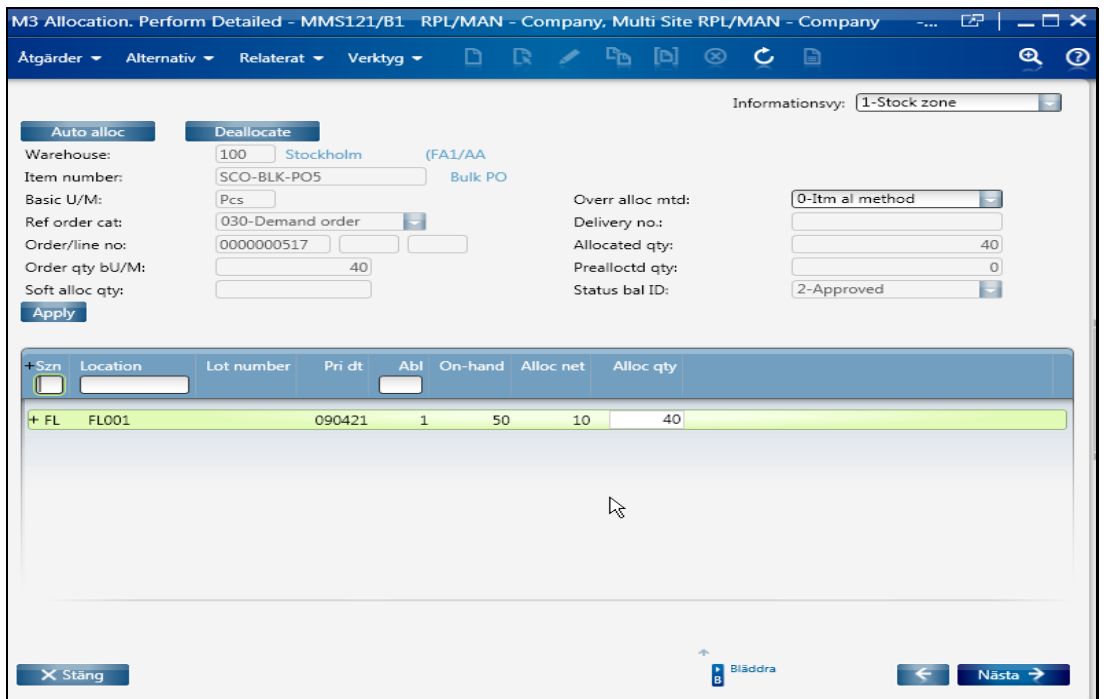
The first thing to do is to reduce the pre-allocated quantity on the first Demand order. Since the stock could cover everything we set the pre-allocated quantity to 0.



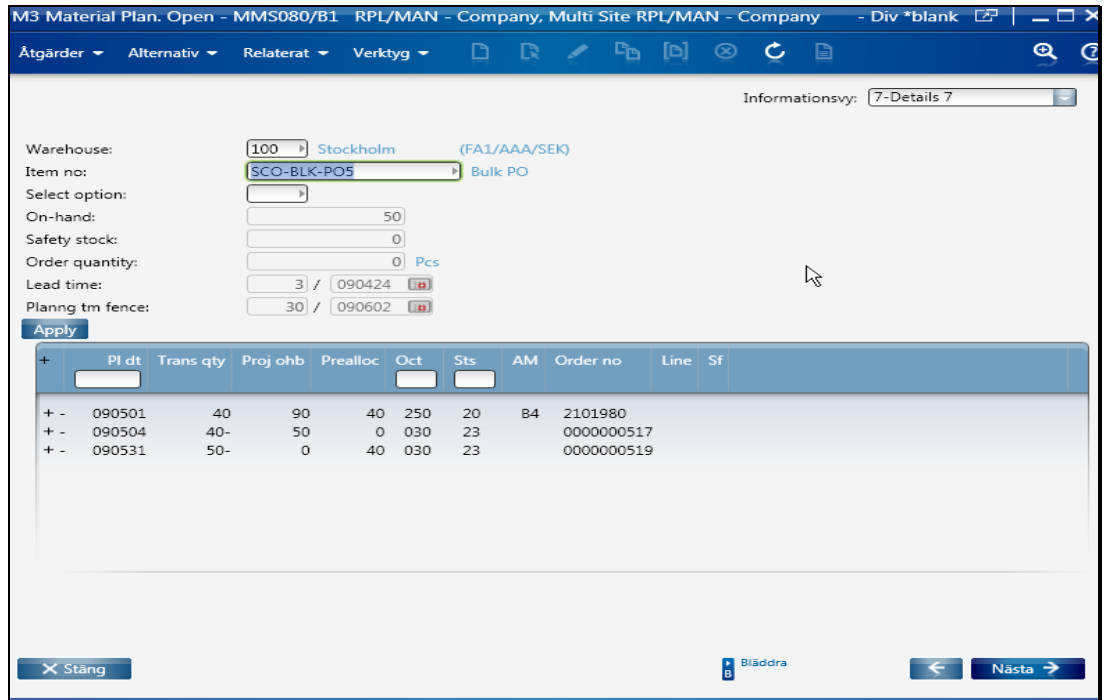
The second step is to reduce the allocation for the second Demand order. Since I know that the first Demand order only required 40 pcs I will leave 10 pcs for this Demand order.



Note that reducing the allocation from 50 to 10 triggered a regeneration of the supply chain and hence the available 40 pcs were automatically pre-allocated. The triggering of the supply chain regeneration is done automatically when leaving MMS120.



The last step is to allocate the now available 40 pcs to the first Demand order.



This is the result i.e. the first Demand order of 40 pcs is now allocated against stock. The second Demand order of 50 pcs has got 10 pcs allocated against stock and the remaining 40 pcs pre-allocated against the purchase order proposal.

6.3 Allocation of distros within a bulk order

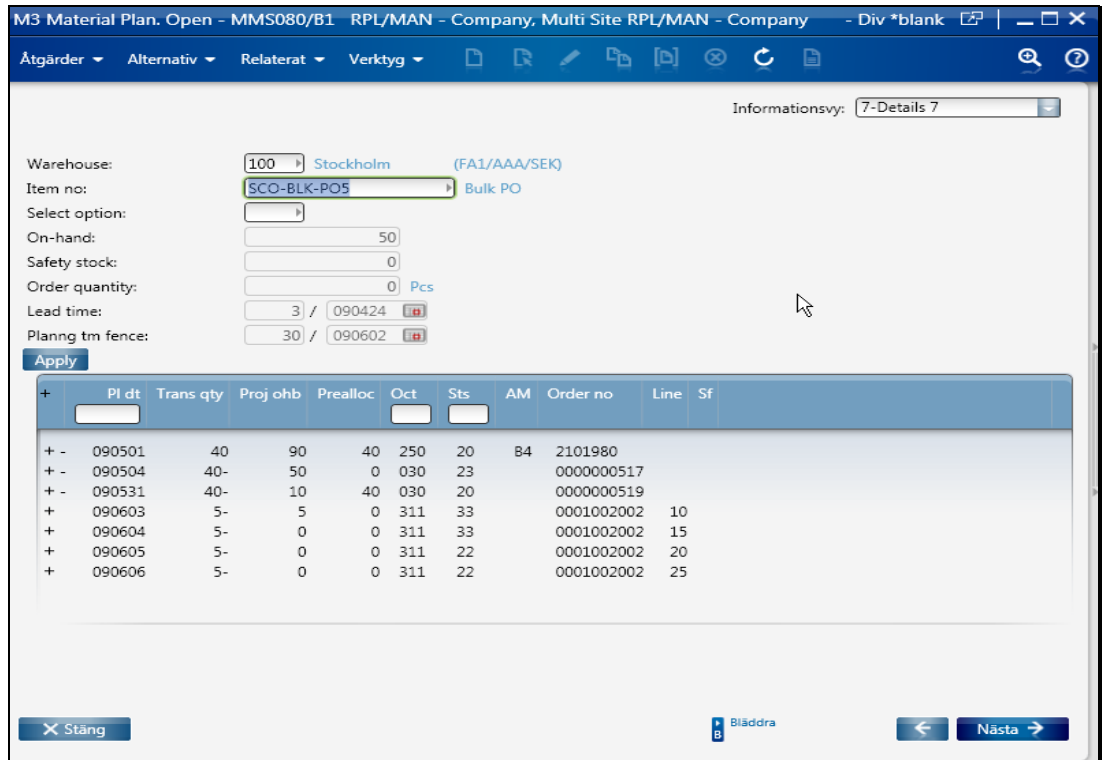
A supply order intended for a bulk order is not available for any other order. It is intended to be used only for distros belonging to the correct bulk order agreement.

When a demand order which is connected to a bulk order generates a supply order, this supply order will be fully pre-allocated to the demand order i.e. protected from all other demands. This pre-allocation will remain until the supply order is received into stock, at that point the pre-allocation will be transformed into an allocation against stock for the demand order. This means that the received quantity will be protected from being allocated to any other demand, except demands connected to the correct bulk order agreement.

When a distro is entered and connected to a bulk order agreement some of the normal SCO rules are disabled. The first thing that happens is that only a Supply chain order header will be created i.e. no explosion of the supply chain. Instead a check is made against the bulk order in order to see if the bulk order has any allocated stock. If allocated stock exists it will be transferred from the bulk order to the customer order instead. If no allocated stock exists the customer order will stay in status 22 and wait for a stock receipt against the correct bulk order.

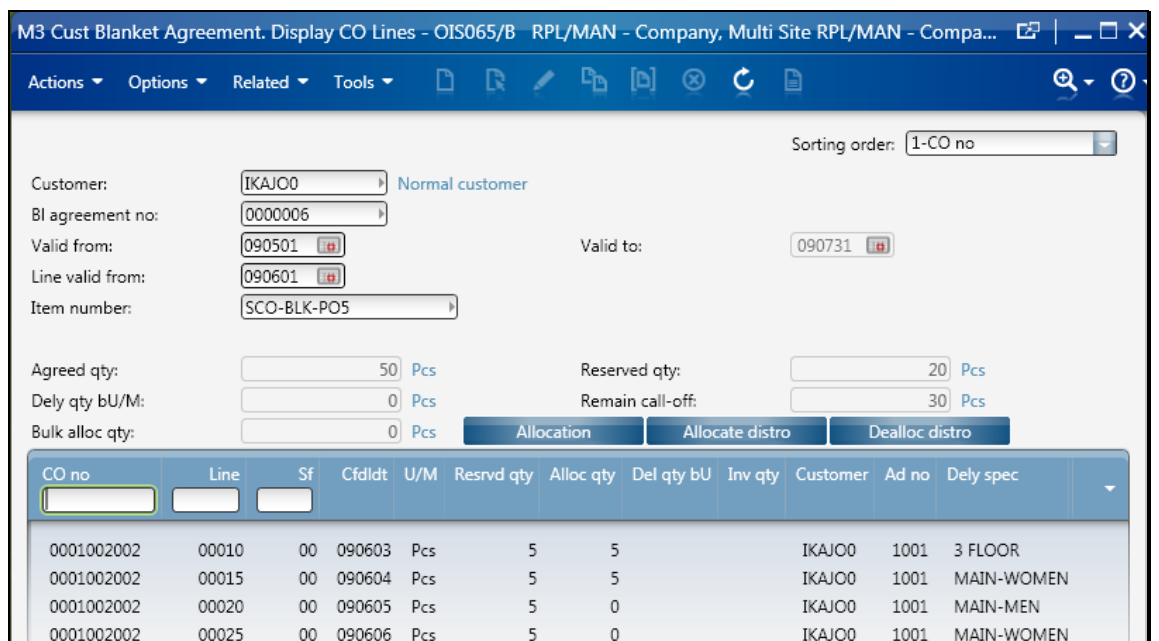
When a stock receipt is performed on a supply order connected to a bulk order the pre-allocation will transform to an allocation. Then a check against all distros connected to the bulk order agreement will be done in order to see if any of the allocations on the bulk order should be transferred to a distro instead.

This scenario starts off where the last scenario in the previous chapter ended.



Four distros have been received. They are all connected to the second bulk order. That bulk order had a quantity of 50 pcs where 10 pcs were allocated and 40 pcs were pre-allocated. As you now can see the 10 allocated pcs have been transferred to the first two distros and the Demand order has been reduced to 40 pcs. These two distros are also affecting the material plan whilst the next two distros are not affecting the material plan. This is because the last two distros are not allocated and hence just wait for a receipt connected to this Demand order.

Suddenly the customer calls and tells you that he actually wants the fourth distro before the other ones i.e. you need to re-prioritize the allocations. This is done in OIS065 which is reached from the Bulk order toolbox OIS305, select the "Agreement lines", from there select the "Customer order lines".



The idea here is that you can either:

- Press the “Deallocate all” button, which will deallocate all distro allocations made on this bulk order.
Press the “Allocate all” button, which will perform an automatic allocation on all distros connected to this bulk order. This allocation is performed in requested delivery date order.
This will allow you to change the requested delivery date on your distros and, in this example, reschedule in the last distro. Then you can deallocate and allocate all. Since the requested delivery dates have been changed the allocation will respect and allocate the earliest distro first.
- Or you can right click on one of the distro allocations and choose “Deallocate” which will deallocate that particular line. Then you can right click on the line you want to allocate and choose “Allocate” which will allocate that line.

In this scenario we will use the second alternative.

Customer: IKAJ00 Normal customer
 BI agreement no: 0000006
 Valid from: 090501 Valid to: 090731
 Line valid from: 090601
 Item number: SCO-BLK-PO5

Agreed qty: 50 Pcs Reserved qty: 20 Pcs
 Dely qty bU/M: 0 Pcs Remain call-off: 30 Pcs
 Bulk alloc qty: 5 Pcs

CO no	Line	Sf	Cfdldt	U/M	Resrvd qty	Alloc qty	Del qty bU	Inv qty	Customer	Ad no	Dely spec
0001002002	00010	00	090603	Pcs	5	5			IKAJ00	1001	3 FLOOR
0001002002	00015	00	090604	Pcs	5	0			IKAJ00	1001	MAIN-WOMEN
0001002002	00020	00	090605	Pcs	5	0			IKAJ00	1001	MAIN-MEN
0001002002	00025	00	090606	Pcs	5	0			IKAJ00	1001	MAIN-WOMEN

Here the second distro line has been deallocated. Note that the “Bulk allocated quantity” (OI06504) now displays 5 pcs. This is because the deallocation transferred the allocated quantity from the distro back to the bulk order i.e. 5 is now available to be used for another distro.

M3 Cust Blanket Agreement. Display CO Lines - OIS065/B RPL/MAN - Company, Multi Site RPL/MAN - ...

Actions Options Related Tools

Sorting order: 1-CO no

Customer: IKAJ00 Normal customer
 BI agreement no: 0000006
 Valid from: 090501 Valid to: 090731
 Line valid from: 090601
 Item number: SCO-BLK-PO5

Agreed qty: 50 Pcs Reserved qty: 20 Pcs
 Dely qty bU/M: 0 Pcs Remain call-off: 30 Pcs
 Bulk alloc qty: 0 Pcs

Allocation Allocate distro Dealloc distro

CO no	Line	Sf	Cfdldt	U/M	Resrvd qty	Alloc qty	Del qty bU	Inv qty	Customer	Ad no	Dely sp
0001002002	00010	00	090603	Pcs	5	5			IKAJ00		
0001002002	00015	00	090604	Pcs	5	0			IKAJ00		
0001002002	00020	00	090605	Pcs	5	0			IKAJ00		
0001002002	00025	00	090606	Pcs	5	5			IKAJ00		

Here we've allocated the last distro line instead by right clicking and choosing "Allocate".

M3 Material Plan. Open - MMS080/B1 RPL/MAN - Company, Multi Site RPL/MAN - Company - Div *blank

Åtgärder Alternativ Relaterat Verktyg

Informationsvy: 7-Details 7

Warehouse: 100 Stockholm (FA1/AAA/SEK)
 Item no: SCO-BLK-PO5 Bulk PO
 Select option:
 On-hand: 50
 Safety stock: 0
 Order quantity: 0 Pcs
 Lead time: 3 / 090424
 Planng tm fence: 30 / 090602

Apply

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+	090501	40	90	40	250	20	B4	2101980		
-	090504	40	50	0	030	23		0000000517		
+	090531	40	10	40	030	20		0000000519		
+	090603	5-	5	0	311	33		0001002002	10	
+	090604	5-	5	0	311	22		0001002002	15	
+	090605	5-	5	0	311	22		0001002002	20	
+	090606	5-	0	0	311	33		0001002002	25	

Stäng Biläddra NÄSTA

Looking at the material plan we can see that the first and the last line is allocated instead and could therefore be shipped to the customer.

7 Changes to bulk orders

There are some rules on where to do updates and what is allowed to update. This is what this section aims to document.

7.1 Changes in customer blanket agreement

When changing or creating a bulk order from the customer agreement standard program OIS060, a message will be displayed informing the user that bulk orders should be maintained from the bulk order toolbox, OIS305. Also the status field is a locked field. This functionality only applies for agreements that are defined as bulk orders.

The reason for these changes is to have control of the bulk order process and to minimize risks of updating by mistake.

The screenshot shows the SAP M3 interface for 'M3 Cust Blanket Agreement. Open - OIS060/B1 - SCE Company SCE - Company 510 division AAA'. The 'Inquiry type' is set to '1-Customer, agr'. The 'Responsible' field is empty, and the 'Apply' button is visible. Below this is a table with the following data:

Customer	Blk agr	Str dt	Atp	Description	Sts
11370	0000085				
11370	0000085	090310	USS	Allokerad kvantitet	20
11370	0000086	090401	USS	Ulrika test	20
11370	0000087	090301	USS	test	20

At the bottom of the screen, a message box states: 'This agreement is defined as a bulk order and should be maintained from the bulk order toolbox, OIS305.' The navigation bar includes buttons for 'Close', 'Browse', 'Details (E)', 'Agreement Terms (F)', 'Cust Blanket Agreement.', and 'Next'.

7.2 Changes in demand order

Demand orders of type BLK, meaning that the origin of the demand is a bulk order, cannot be changed or deleted in program RPS170. All changes referring to planning date, quantity or deletion should be performed from the bulk order line (program OIS061).

It is not allowed to:

- change a demand order with BLK origin. Message given:
Option 2 is invalid
- delete a demand order with BLK origin. Message given:
Option 4 is invalid

7.3 Changes of bulk order line date or quantity

To have a controlled process for changing bulk order line agreed quantities, an option (32) from the bulk order toolbox has been introduced. The line valid to-date can also be updated with this function. It is possible to combine an update of agreed quantity with and update of line valid to date in the same run.

The program always opens up empty.

By doing **selections** you filter the bulk order lines to be updated. A large number of fields are available for selections of data to be displayed in the list below.

Two **action** fields are possible to use:

- Reduce agreed quantity
- New line valid to date.

The action is performed with function key F14 for the data selected.

7.3.1 New program – Update bulk order lines

M3 Bulk Order Line. Update Valid To Date - OIS307/B SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Customer: 11370 BI agreement no: 0000157

Style: [dropdown] - [dropdown] Consumed:

Y-option: [dropdown] - [dropdown] Remaining pct: [0]

SKU: [dropdown] - [dropdown] Reduce agr qty:

Start date: [calendar] - [calendar] New valid to: [calendar]

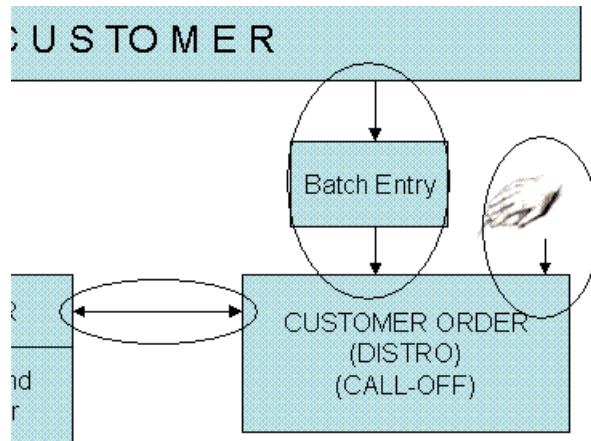
Valid to: [calendar] - [calendar]

Style number	Item number	Str dt	Val to	Agreed qty	Consumed qty	U/M
USS006	USS006-BEI-L	090501	090731	10	7	Pcs
USS006	USS006-BEI-M	090501	090731	10	5	Pcs
USS006	USS006-BEI-S	090501	090731	10	9	Pcs
USS006	USS006-GR-L	090501	090731	12	5	Pcs
USS006	USS006-GR-M	090501	090731	12	8	Pcs
USS006	USS006-GR-S	090501	090731	12	12	Pcs
USS006	USS006-BEI-L	090601	090731	14	10	Pcs
USS006	USS006-GR-S	090601	090731	14		Pcs
USS006	USS006-BEI-L	090602	090731	16	10	Pcs
USS006	USS006-BEI-L	090603	090731	18		Pcs

Field	Description
Style	Selection field for style
Y-option	Selection field for Y-option, normally color
SKU	Selection field for SKU
Start date	Selection field for start date
Valid to	Selection field for valid to date
Consumed	Selection field for fully consumed and over consumed bulk order lines
Remaining pct	Selection fields for quantity remaining to be consumed on bulk order lines
Reduce agreed qty	<i>Action field</i> to reduce the agreed quantity to be equal to consumed quantity for the selected bulk order lines. Note that the agreed quantity will not be updated for over-consumed bulk order lines.
New valid to	<i>Action field</i> to update the line valid to date for the selected bulk order lines.

To perform the actions selected for the selected bulk order lines, **function key F14** is used.

8 Distro orders (call-off)



In this phase of bulk order development, a distro (call-off) is always a customer order.

8.1 Manually create and maintain distros (call-offs) against bulk order

New functionality developed for the distro entry:

The customer order type has to be set up for distro functionality (setting *BLK on OIS014/F).

With this setting on a distro order type, the following functionality follows:

- it is mandatory with a bulk order for every distro line
- only bulk orders are allowed, not customer blanket agreements
- the warehouse for the distro line is used when finding valid bulk orders (agreements). Only bulk orders with the same warehouse will be available for the distro.

Apart from the new warehouse control, standard functionality is used to find valid bulk orders (agreements) to consume. The distro (call-off) can be connected to a bulk order depending on settings on the customer and customer order type.

Important to know:

- A distro (call-off) is entered from OIS100 or OIS100MI.
- It is not necessary to connect the distro (call-off) header to a bulk order – it can be done for *lines only*. Use the settings in CRS610/F to decide how the agreement will be retrieved.
- You can see the agreement number for a distro line on OIS101/F:

The screenshot displays the 'M3 Customer Order. Open Line - OIS101/F' window. The title bar includes 'SCE - Company SCE - Company 510 division AAA'. The interface is divided into two main sections: 'Panel Header' and 'Details'.

Panel Header:

- Customer: 11370 (Ulrikas customer)
- CO no: 1000019533
- Order line no: 1
- Line status: 23-Reserved/Allocated
- CO type: USN (Normal - auto a)
- Request delay dt: 090115 (1436 CET)
- Warehouse: 001

Details:

- Item number: USS002-GRE-M (Ulrika: Dress)
- Description: COL1 GREY1 Size2 Medium
- Alias number: (empty)
- Alias category: (empty)
- Cust order no: (empty)
- Bl agreement no: 0000007 / 090101 (11370)
- Project number: SPSU09 (SPRING SUMMER)
- Proj element: (empty)
- First/last date: 090115 / 090115
- Salesperson: MON (Mona LB)
- Trans reason: (empty) (blank)

8.2 Create distros through API transactions

No new functionality has been developed for customer order via API.

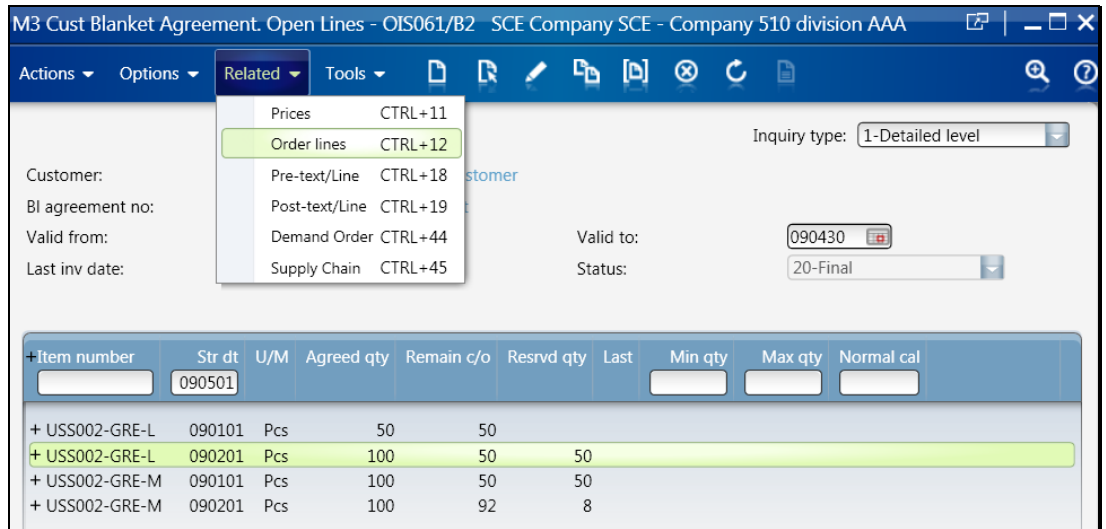
Existing standard program OIS100MI is used.

8.3 Distro consumption visible on bulk order

This follows standard functionality. The requirement is that the distro (call-off) is connected to the bulk order.

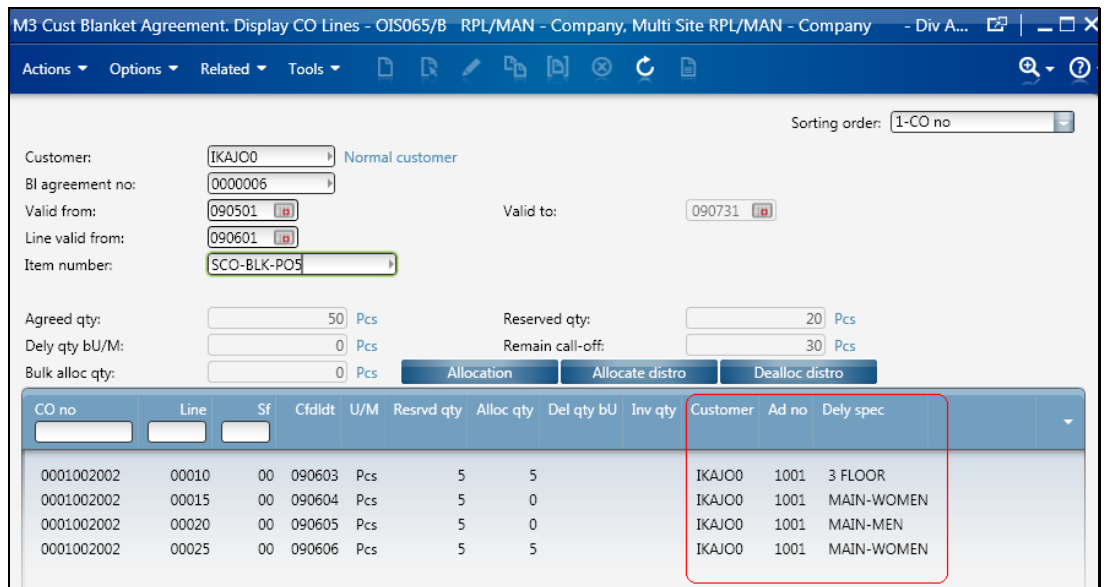
Once the customer order line has been entered, the customer order line will be visible on the bulk order line. See the example in the picture below:

- Bulk order lines (OIS061):



Use option 12 on a bulk order line. This will take you to the distro lines where some new fields are visible:

- Customer The customer field is interesting when using agreement for business chains.
- Address number Address number from the distro line.
- Delivery specification Delivery specification from the distro line.



8.4 Distro reduces demand order quantity

The purpose of a demand order is to generate acquisition orders in order to have the agreed quantities in stock when the distro do the call-off. This also means that the agreed quantities need to be protected from demand that does not belong to the correct bulk order agreement. This is done by having the supply fully preallocated/allocated to the bulk order.

Since the bulk order quantity by definition includes also the distro quantity there is a strict rule regarding when the bulk order quantity should be reduced by the distro quantity. This reduction is done as soon as any allocated quantity on the

bulk order is transferred to the distro. This means that only allocated quantities on the distros are affecting the material plan. If the distro contains unallocated quantity it is instead the bulk order (demand order part) that affects the material plan.

This is also valid for forecasts i.e. the bulk order consumes the forecast up to the point where a distro gets allocated. Then the bulk order (demand order part) gets reduced by the allocated distro and the distro itself is consuming the forecast.

Example of consumption of forecast and bulk orders:

The screenshot shows the SAP M3 Material Plan interface. The window title is "M3 Material Plan. Open - MMS080/B1 RPL/MAN - Company, Multi Site RPL/MAN - Company - Div *blank". The interface includes a menu bar with options like "Åtgärder", "Alternativ", "Relaterat", and "Verktyg". Below the menu, there are several input fields and buttons:

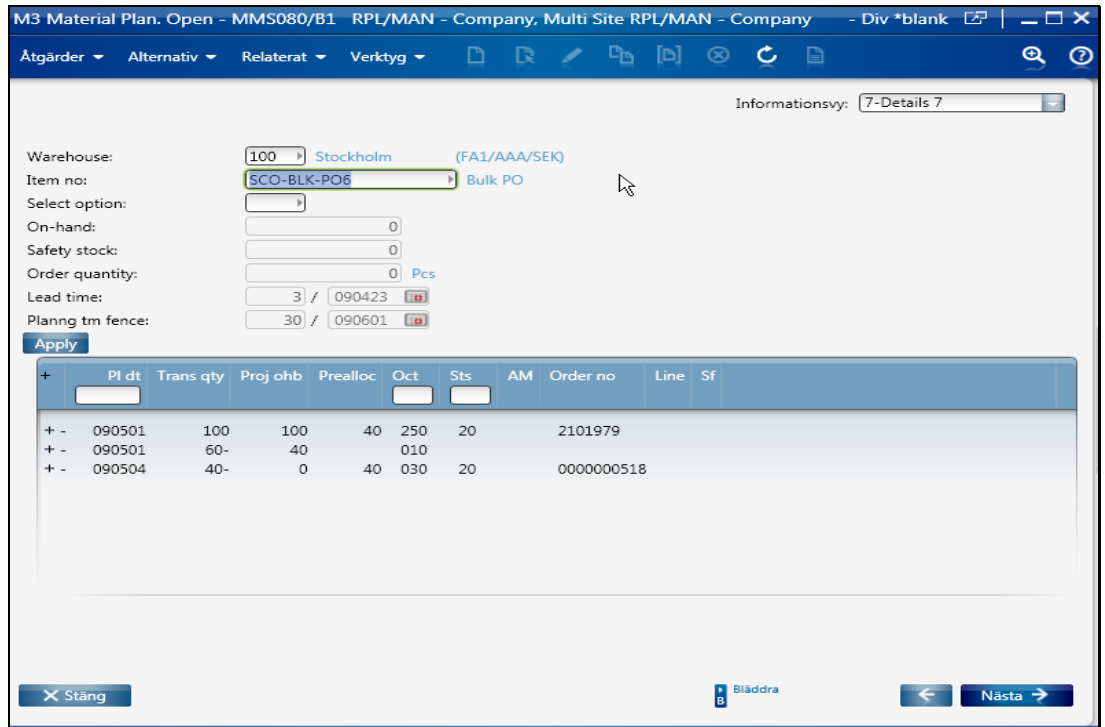
- Warehouse: 100 Stockholm (FA1/AAA/SEK)
- Item no: SCO-BLK-PO6 Bulk PO
- Select option: [dropdown]
- On-hand: 0
- Safety stock: 0
- Order quantity: 0 Pcs
- Lead time: 3 / 090423
- Planng tm fence: 30 / 090601

An "Apply" button is located below these fields. Below the form is a table with the following data:

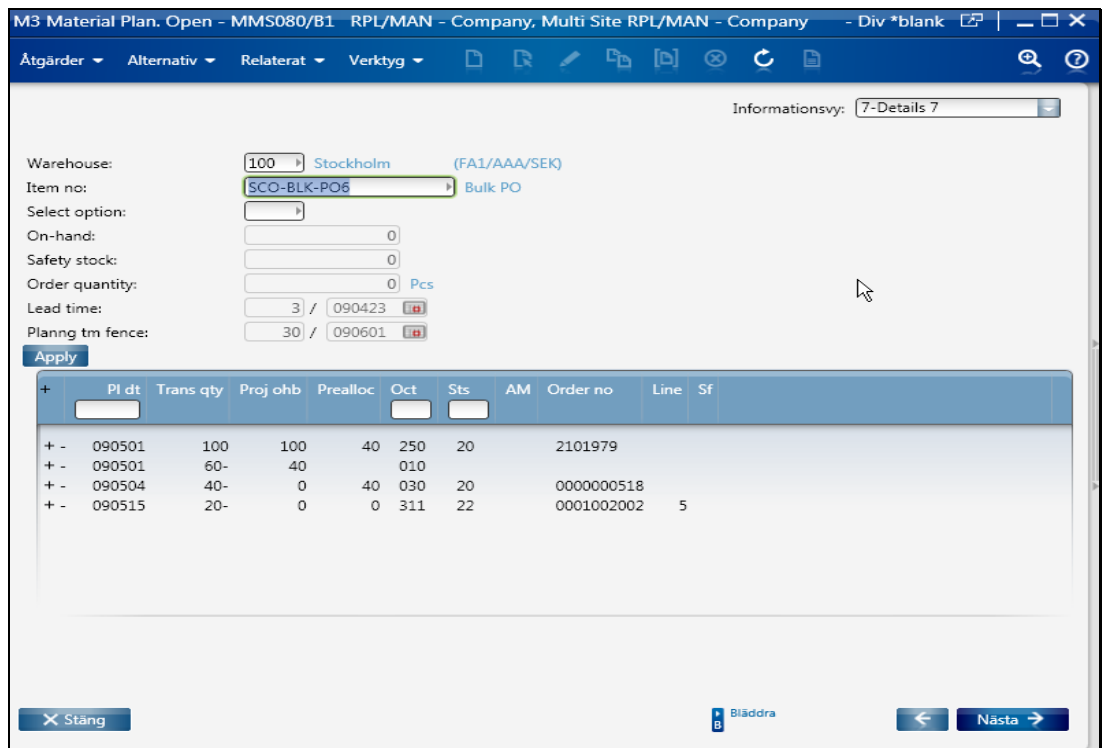
	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+ -	090501	100	100	0	250	20		2101979		
+ -	090501	100-	0		010					

At the bottom of the window, there are buttons for "Stäng", "Bläddra", and "Nästa".

This is a normal situation where a forecast of 100 pcs has created a Purchase order proposal of 100 pcs.



A bulk order of 40 pcs has been created. This bulk order has triggered a demand order for 40 pcs which is supplied from the existing purchase order proposal. Note that the forecast has been consumed by 40 pcs since it is always assumed that the forecast quantity also includes the predicted bulk order quantity.



A distro of 20 pcs has been received. Since no stock existed there were nothing to allocate for this distro and hence the status is 22. Note that the distro neither affects the projected on hand balance nor the forecast. This is because

the distro is in status 22 and hence the bulk order still contains the full quantity of 40 pcs.

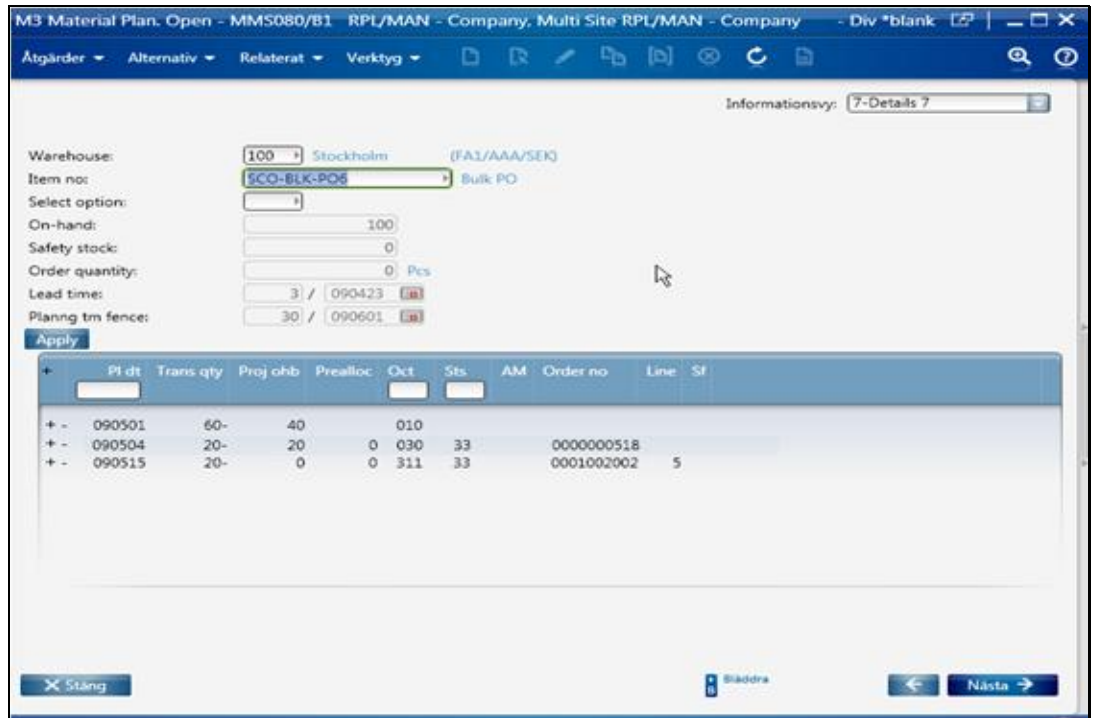
Warehouse: 100 Stockholm (FA1/AAA/SEK)
 Item no: SCO-BLK-PO6 Bulk PO
 Select option:
 On-hand: 15
 Safety stock: 0
 Order quantity: 0 Pcs
 Lead time: 3 / 090423
 Planning tm fence: 30 / 090601

	Pl dt	Trans qty	Proj ohb	Prealloc	Oct	Sts	AM	Order no	Line	Sf
+ -	090501	85	100	25	251	15		7070670	1	
+ -	090501	60-	40		010					
+ -	090504	25-	15	25	030	20		0000000518		
+ -	090515	20-	0	0	311	23		0001002002	5	

At this point the Purchase order proposal has been released and 15 pcs has been received. These 15 pcs has been allocated to the Demand order and then transferred to the distro which now is in status 23. Note that the Demand order quantity has been reduced by 15 pcs because the distro has got some allocated quantity from the Demand order. So the Demand order quantity in the material plan is Original quantity (40) – consumed quantity (-15) = 25 pcs.

The forecast figure seems untouched but the consumption of the forecast is now done by the Demand order (25) and by the allocated quantity of the distro (15).

The unallocated quantity of the distro (5) is still not affecting the material plan.



The remaining part of the purchase order has been received. The distro is fully allocated and the Demand order has been reduced further by 5 pcs. This is because 5 pcs were allocated to the Demand order and transferred to the distro as an allocation. The forecast is now consumed by the Demand order (20) and the distro (20).

8.5 Re-allocation of distros

This is done in program OIS065. See chapter 6.3.

9 Close bulk order

Closing a bulk order is a manual process performed with option 31.

When a bulk order is closed, it is no longer valid and can no longer be consumed by distros. The bulk order will get status 80 and the related demand orders will be closed.

Validations when a bulk order is closed:

- If non invoiced distros exists it is not possible to close the bulk order. A warning message will be displayed:
“Closing is not allowed. Non-invoiced distro lines exist.”
- If valid to date is still valid or if remaining quantity exists (it has not been fully consumed), a warning message will be displayed, that needs to be confirmed in order to perform the closing:
“WARNING - This bulk order is still valid or has a remaining quantity. If you close it, it can no longer be consumed by distros.”

Examples on how to handle different situations:

- If the user wants to close the bulk order but not invoice the distros, he can delete the distros first, and thereafter close the bulk order.
- If the user wants the customer to receive whatever he has ordered on distros and thereafter stop the bulk order, he can reduce the quantity on bulk order lines to the quantity on distros (see option 32 from OIS305) and also set the quantity tolerance in OIS060/E equal to 3. In that way, no more distros can be entered and the acquisition of the total quantity will be stopped.

<p>NOTE that there is no roll-back possibility. This means that if a bulk order has been closed and that for some reason this should not have been done, there is no possibility to make the bulk order active again. You will have to create a copy of the bulk order.</p>

10 Bulk order documents

Two documents are printed from the bulk order toolbox: Bulk order confirmation and Bulk order consumption. These documents are documents already existing for the customer blanket agreement but made available from bulk order toolbox. Also fields have been added to the bulk order confirmation document and for bulk order it is controlled by parameters in the customer agreement type.

Another way of creating reports displaying consumption is to work with OIS306 to display the information you want to see and thereafter use the Smart Office Export-function to export the data to MS Excel.

10.1 Changed program – Customer blanket agreement type – OIS063

There are two new parameters in the customer blanket agreement type (OIS063) to control the bulk order confirmation printout:

Auto print: Automatic print out or only printed when requested for.

Document layout: Print out with a list layout or with a matrix layout.

10.2 Changed document – Bulk order confirmation – OIS631PF – list layout

BULK ORDER CONFIRMATION					Page: 1(2)
Date					
09-06-29					
Agr date		Agr number		Customer	
09-04-29		0000157		11370	
Your dt		Your order no			
09-04-25		12345678901234567890			
Customer					
Ulrikas customer					
Sodra Gubberogatan 4					
SE-416 63 Gothenburg					
City					
Sweden					
Validity time			Cash disc term		
09-05-01 - 09-07-31					
Our reference			Delivery method		
AAAAAAAAAAAAAAAAAAAAAAAAAAAA					
Your reference			Delivery terms		
BBBBBBBBBBBBBBBBBBBBBBBBBB			Test		
Currency			Payment terms		
SEK Kronor					
Salesperson		Responsible		Project number	
Mona LB		Ulrika Stromberg		SPSU09	
Item number	Style no	Start date	Guide price	Pr qty	Disc/unit
Agr qty U/M	Min qty U/M	Agreed price			
USS006-BEI-L	Ulrika: Dress				
USS006	090501	800.00			
10 Pcs					
USS006-BEI-M	Ulrika: Dress				
USS006	090501	800.00			
10 Pcs					
USS006-BEI-S	Ulrika: Dress				
USS006	090501	800.00			
10 Pcs					
USS006-GR-L	Ulrika: Dress				
USS006	090501	800.00			
12 Pcs					

10.3 Changed document – Bulk order confirmation – OIS631PF – matrix layout

BULK ORDER CONFIRMATION				Page: 1(1)
Date		09-06-29		
Agr date	09-04-29	Agr number	0000157	Customer
Your dt	09-04-25	Your order no	12345678901234567890	
Customer				
Ulrikas customer				
Sodra Gubberogatan 4				
SE-416 63 Gothenburg				
City				
Sweden				
Validity time		09-05-01 - 09-07-31		
Our reference		AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
Your reference		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB		
Currency		SEK Kronor		
Salesperson		Mona LB		
Responsible		Ulrika Stromberg		Project number
				SPSU09
Style no	USS006	Start date	090501	Unit of measure
	Ulrika: Dress		Pcs	Quantity
				66
				Guide price
				800.00
A	S	M	L	Total
A Green	12	12	12	36
A Beige sand	10	10	10	30
Style no	USS006	Start date	090601	Unit of measure
	Ulrika: Dress		Pcs	Quantity
				28
				Guide price
				800.00
A	S	L		Total
A Green	14			14
A Beige sand	14	14		14
Style no	USS006	Start date	090602	Unit of measure
	Ulrika: Dress		Pcs	Quantity
				16
				Guide price
				800.00
A	L			Total
A Beige sand		16		16

10.4 No change in document – Bulk order consumption – OIS516PF

OISS15 / OISS16		Cust Blanket Agreement. Print Monit List				Date: 09-06-29
** M3 BE 7.0 **						Time: 10:59:35
*** Company 510 (WHS) division AAA - Sweden ***		Company 510		(510/AAA/SEK)		User: 11370
Customer	Blk agr Val fr Val to Tot Rem Agreed qty U/M Remain qty	Wrk dys	Usage %	Resrvd qty	Del qty	bU
11370 Ulrikas customer	0000157 090501 090731 66 25		62.1			
Item number						
USS006-BEI-L Ulrika: Dress		10 Pcs	3 70.0	7	0	
USS006-BEI-L Ulrika: Dress	090601	14 Pcs	4 71.4	10	0	
USS006-BEI-L Ulrika: Dress	090602	16 Pcs	6 62.5	10	0	
USS006-BEI-L Ulrika: Dress	090603	18 Pcs	18 0.0	0	0	
USS006-BEI-M Ulrika: Dress		10 Pcs	5 50.0	5	0	
USS006-BEI-S Ulrika: Dress		10 Pcs	1 90.0	9	0	
USS006-GR-L Ulrika: Dress		12 Pcs	7 41.7	5	0	
USS006-GR-M Ulrika: Dress		12 Pcs	4 66.7	8	0	
USS006-GR-S Ulrika: Dress		12 Pcs	0 100.0	12	0	
USS006-GR-S Ulrika: Dress	090601	14 Pcs	14 0.0	0	0	
* Company	510		128	62		

11 Preparation for future functionality

Future requirement:

Make it possible to automatically make a bulk order released in the bulk order toolbox, if it has been corrected / adjusted in the BOBE OIS370. This should be controlled by a parameter setting in OIS378/OIS379.

Solution prepared in this development phase:

Parameter BB50 added to OIBBOR (OIS378) and OIBBOX (OIS379). However, in this version the parameter is not displayed and has no functionality.

12 Summary – Changed Data structures

12.1 New tables

NEW TABLE: OIBBOR – Bulk Order Batch Origin						
Field	Reference field	Type	Length	Digits	Decimals	Description
ORCONO	CONO	DECIMAL	2	3	0	Company
ORBABU	BABU	CHAR	10	-	-	Bulk order batch origin
ORTX15	TX15	CHAR	15	-	-	Name
ORTX40	TX40	CHAR	40	-	-	Description
ORBB10	BB10	CHAR	1	-	-	10 number series - BO batch order
ORBB20	BB20	DECIMAL	1	1	0	20 level of automation - BO batch
ORBB30	BB30	DECIMAL	1	1	0	30 process method - BO batch entry
ORBB40	BB40	DECIMAL	1	1	0	40 deletion method - BO batch entry
ORAGTP	AGTP	CHAR	3	-	-	Agreement type
ORRGDT	RGDT	DECIMAL	5	8	0	Entry date
ORRGTM	RGTM	DECIMAL	4	6	0	Entry time
ORLMDT	LMDT	DECIMAL	5	8	0	Change date
ORCHNO	CHNO	DECIMAL	2	3	0	Change number
ORCHID	CHID	CHAR	10	-	-	Changed by
ORLMTS	LMTS	DECIMAL	10	18	0	Timestamp

NEW TABLE: OIBBOX – Bulk Order Batch Origin, Exceptions						
Field	Reference field	Type	Length	Digits	Decimals	Description
ORCONO	CONO	DECIMAL	2	3	0	Company
ORBABU	BABU	CHAR	10	-	-	Bulk order batch origin
ORCUNO	CUNO	CHAR	10	-	-	Customer number
ORBB10	BB10	CHAR	1	-	-	10 number series - BO batch order
ORBB20	BB20	DECIMAL	1	1	0	20 level of automation - BO batch
ORBB30	BB30	DECIMAL	1	1	0	30 process method - BO batch entry

ORBB40	BB40	DECIMAL	1	1	0	40 deletion method - BO batch entry
ORAGTP	AGTP	CHAR	3	-	-	Agreement type
ORRGDT	RGDT	DECIMAL	5	8	0	Entry date
ORRGTM	RGTM	DECIMAL	4	6	0	Entry time
ORLMDT	LMDT	DECIMAL	5	8	0	Change date
ORCHNO	CHNO	DECIMAL	2	3	0	Change number
ORCHID	CHID	CHAR	10	-	-	Changed by
ORLMTS	LMTS	DECIMAL	10	18	0	Timestamp

NEW TABLE: OAEXOR – Bulk Order External Reference

Field	Reference field	Type	Length	Digits	Decimals	Description
EXCONO	CONO	DECIMAL	2	3	0	Company
EXAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
EXCUNO	CUNO	CHAR	10	-	-	Customer number
EXFDAT	FDAT	DECIMAL	5	8	0	From date
EXSTDT	STDT	DECIMAL	5	8	0	Start date
EXOBV1	OBV1	CHAR	15	-	-	Start value 1
EXBABU	BABU	CHAR	10	-	-	Bulk order batch origin
EXHRE2	HRE2	CHAR	20	-	-	Bulk order header reference
EXLRE2	LRE2	CHAR	20	-	-	Bulk order line reference
EXRGDT	RGDT	DECIMAL	5	8	0	Entry date
EXRGTM	RGTM	DECIMAL	4	6	0	Entry time
EXLMDT	LMDT	DECIMAL	5	8	0	Change date
EXCHNO	CHNO	DECIMAL	2	3	0	Change number
EXCHID	CHID	CHAR	10	-	-	Changed by
EXLMTS	LMTS	DECIMAL	10	18	0	Timestamp

NEW TABLE: OXBETR – Bulk Order Batch Entry Transactions

Field	Reference field	Type	Length	Digits	Decimals	Description
BECONO	CONO	DECIMAL	2	3	0	Company
BEMSGN	MSGN	CHAR	15	-	-	Message number
BEBABU	BABU	CHAR	10	-	-	Bulk order batch origin
BESTAT	STAT	CHAR	2	-	-	Status
BEJNU	JNU	CHAR	6	-	-	Job number

BEJNA	JNA	CHAR	10	-	-	Job name
BERGDT	RGDT	DECIMAL	5	8	0	Entry date
BERGTM	RGTM	DECIMAL	4	6	0	Entry time
BELMDT	LMDT	DECIMAL	5	8	0	Change date
BECHNO	CHNO	DECIMAL	2	3	0	Change number
BECHID	CHID	CHAR	10	-	-	Changed by
BELMTS	LMTS	DECIMAL	10	18	0	Timestamp

NEW TABLE: OXGRHE – Customer Agreement – head Batch

Field	Reference field	Type	Length	Digits	Decimals	Description
UYCONO	CONO	DECIMAL	2	3	0	Company
UYDIVI	DIVI	CHAR	3	-	-	Division
UYCUNO	CUNO	CHAR	10	-	-	Customer number
UYAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
UYSTDT	STDT	DECIMAL	5	8	0	Start date
UYLVDT	LVDT	DECIMAL	5	8	0	Valid to
UYTX40	TX40	CHAR	40	-	-	Description
UYAGQT	AGQT	DECIMAL	8	15	6	Agreed quantity
UYLIDT	LIDT	DECIMAL	5	8	0	Last invoice date
UYUNIT	UNIT	CHAR	3	-	-	Unit of measure
UYAGHE	AGHE	DECIMAL	1	1	0	Summed agreement quantity
UYCUCD	CUCD	CHAR	3	-	-	Currency
UYAGST	AGST	CHAR	2	-	-	Status
UYAGDT	AGDT	DECIMAL	5	8	0	Blanket agreement date
UYAGEC	AGEC	CHAR	1	-	-	Quantity check
UYLNCD	LNCD	CHAR	2	-	-	Language
UYNXAG	NXAG	CHAR	7	-	-	Next blanket agreement
UYOREF	OREF	CHAR	30	-	-	Our reference
UYREF	YREF	CHAR	30	-	-	Your reference 1
UYCUDT	CUDT	DECIMAL	5	8	0	Customer's purchase order date
UYCUOR	CUOR	CHAR	20	-	-	Customer's order number
UYAGPD	AGPD	DECIMAL	1	1	0	Agreed prices
UYFECN	FECN	CHAR	10	-	-	Future rate agreement number
UYTEPY	TEPY	CHAR	3	-	-	Payment terms

UYTECD	TECD	CHAR	3	-	-	Cash discount term
UYMODL	MODL	CHAR	3	-	-	Delivery method
UYTEDL	TEDL	CHAR	3	-	-	Delivery terms
UYTEPA	TEPA	CHAR	3	-	-	Packaging terms
UYNTCD	NTCD	DECIMAL	1	1	0	Net price used
UYTINC	TINC	DECIMAL	1	1	0	VAT included
UYVTCD	VTCD	DECIMAL	2	2	0	VAT code
UYBNCD	BNCD	DECIMAL	1	1	0	Bonus generating
UYBREC	BREC	CHAR	10	-	-	Recipient agreement type 9 - bonus
UYPRAC	PRAC	DECIMAL	1	1	0	Commission generating
UYAGNT	AGNT	CHAR	10	-	-	Recipient agreement type 1 - commission
UYAGN2	AGN2	CHAR	10	-	-	Recipient agreement type 2 - commission
UYAGN3	AGN3	CHAR	10	-	-	Recipient agreement type 3 - commission
UYAGN4	AGN4	CHAR	10	-	-	Recipient agreement type 4 - commission
UYAGN5	AGN5	CHAR	10	-	-	Recipient agreement type 5 - commission
UYAGN6	AGN6	CHAR	10	-	-	Recipient agreement type 6 - commission
UYAGN7	AGN7	CHAR	10	-	-	Recipient agreement type 7 - commission
UYSCMO	SCMO	CHAR	6	-	-	Costing model - sales price
UYADID	ADID	CHAR	6	-	-	Address number
UYAGCB	AGCB	DECIMAL	1	1	0	Business chain agreement
UYTXID	TXID	DECIMAL	7	13	0	Text identity
UYPRTX	TXID	DECIMAL	7	13	0	Text identity
UYPOTX	TXID	DECIMAL	7	13	0	Text identity
UYDTID	DTID	DECIMAL	7	13	0	Data identity
UYAGNB	AGNB	CHAR	7	-	-	Agreement number
UYSUNO	SUNO	CHAR	10	-	-	Supplier number
UYSPGR	SPGR	DECIMAL	1	1	0	Superior groups
UYPROJ	PROJ	CHAR	7	-	-	Project number
UYELNO	ELNO	CHAR	8	-	-	Project element
UYPRRF	PRRF	CHAR	2	-	-	Price list
UYRESP	RESP	CHAR	10	-	-	Responsible
UYAGTP	AGTP	CHAR	3	-	-	Agreement type

UYAGLN	SEQN	DECIMAL	4	7	0	Sequence number
UYSMCD	SMCD	CHAR	4	-	-	Salesperson
UYPRLC	PRLC	CHAR	10	-	-	Price list customer number
UYSEAH	SEAH	DECIMAL	1	1	0	Season in use
UYACGR	ACGR	CHAR	10	-	-	Object access group
UYMSGN	MSGN	CHAR	15	-	-	Message number
UYHRE2	HRE2	CHAR	20	-	-	Bulk order header reference
UYJNU	JNU	CHAR	6	-	-	Job number
UYJNA	JNA	CHAR	10	-	-	Job name
UYPBWP	PBWP	DECIMAL	1	1	0	Work in progress
UYBABU	BABU	CHAR	10	-	-	Bulk order batch origin
UYSTAT	STAT	CHAR	2	-	-	Status
UYSTLO	STLO	CHAR	2	-	-	Lowest status
UYSTHI	STHI	CHAR	2	-	-	Highest status
UYIIAJ	IIAJ	DECIMAL	1	1	0	Included in auto job
UYMSID	MSID	CHAR	7	-	-	Message ID
UYMSGD	MSGD	CHAR	78	-	-	Message
UYRGDT	RGDT	DECIMAL	5	8	0	Entry date
UYRGTM	RGTM	DECIMAL	4	6	0	Entry time
UYLMDT	LMDT	DECIMAL	5	8	0	Change date
UYCHNO	CHNO	DECIMAL	2	3	0	Change number
UYCHID	CHID	CHAR	10	-	-	Changed by
UYLMTS	LMTS	DECIMAL	10	18	0	Timestamp

NEW TABLE: OXGRLN – Customer Agreement – lines Batch						
Field	Reference field	Type	Length	Digits	Decimals	Description
UWCONO	CONO	DECIMAL	2	3	0	Company
UWDIVI	DIVI	CHAR	3	-	-	Division
UWCUNO	CUNO	CHAR	10	-	-	Customer number
UWAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
UWFDAT	FDAT	DECIMAL	5	8	0	From date
UWSTDT	STDT	DECIMAL	5	8	0	Start date
UWPREX	PREX	CHAR	2	-	-	Priority
UWGENE	GENE	CHAR	1	-	-	Generic
UWOBV1	OBV1	CHAR	15	-	-	Start value 1
UWOBV2	OBV2	CHAR	15	-	-	Start value 2

UWOBV3	OBV3	CHAR	15	-	-	Start value 3
UWOBV4	OBV4	CHAR	15	-	-	Start value 4
UWAGQT	AGQT	DECIMAL	8	15	6	Agreed quantity
UWSPGR	SPGR	DECIMAL	1	1	0	Superior groups
UWAGNB	AGNB	CHAR	7	-	-	Agreement number
UWSUNO	SUNO	CHAR	10	-	-	Supplier number
UWAGLN	SEQN	DECIMAL	4	7	0	Sequence number
UWPRRF	PRRF	CHAR	2	-	-	Price list
UWPRLC	PRLC	CHAR	10	-	-	Price list customer number
UWLIDT	LIDT	DECIMAL	5	8	0	Last invoice date
UWD2QT	D2QT	DECIMAL	8	15	6	Minimum quantity
UWD3QT	D3QT	DECIMAL	8	15	6	Maximum quantity
UWLAMI	LAMI	DECIMAL	8	15	2	Minimum line amount
UWLVDT	LVDT	DECIMAL	5	8	0	Valid to
UWAGPD	AGPD	DECIMAL	1	1	0	Agreed prices
UWKPCD	KPCD	DECIMAL	1	1	0	Kit printout
UWNAQT	NAQT	DECIMAL	8	15	6	Normal call-off quantity
UWAGST	AGST	CHAR	2	-	-	Status
UWCUCD	CUCD	CHAR	3	-	-	Currency
UWNTCD	NTCD	DECIMAL	1	1	0	Net price used
UWUNIT	UNIT	CHAR	3	-	-	Unit of measure
UWCOFA	COFA	DECIMAL	8	15	9	Conversion factor
UWDMCF	DMCF	DECIMAL	1	1	0	Conversion form
UWSPUN	SPUN	CHAR	3	-	-	Sales price unit of measure
UWPCOF	PCOF	DECIMAL	8	15	9	Price adjustment factor
UWCOFS	COFS	DECIMAL	8	15	9	Conversion factor - sales price U/M
UWDMCS	DMCS	DECIMAL	1	1	0	Conversion method - sales price U/M
UWTINC	TINC	DECIMAL	1	1	0	VAT included
UWVTCD	VTCD	DECIMAL	2	2	0	VAT code
UWBNCB	BNCB	DECIMAL	1	1	0	Bonus generating
UWPRAC	PRAC	DECIMAL	1	1	0	Commission generating
UWAGCB	AGCB	DECIMAL	1	1	0	Business chain agreement
UWHRE2	HRE2	CHAR	20	-	-	Bulk order header reference

UWLRE2	LRE2	CHAR	20	-	-	Bulk order line reference
UWSTAT	STAT	CHAR	2	-	-	Status
UWMSID	MSID	CHAR	7	-	-	Message ID
UWMSGD	MSGD	CHAR	78	-	-	Message
UWTXID	TXID	DECIMAL	7	13	0	Text identity
UWPRTX	TXID	DECIMAL	7	13	0	Text identity
UWPOTX	TXID	DECIMAL	7	13	0	Text identity
UWDTID	DTID	DECIMAL	7	13	0	Data identity
UWRGDT	RGDT	DECIMAL	5	8	0	Entry date
UWRGTM	RGTM	DECIMAL	4	6	0	Entry time
UWLMDT	LMDT	DECIMAL	5	8	0	Change date
UWCHNO	CHNO	DECIMAL	2	3	0	Change number
UWCHID	CHID	CHAR	10	-	-	Changed by
UWLMTS	LMTS	DECIMAL	10	18	0	Timestamp

12.2 Changed tables

Added or changed fields to existing tables are marked in *italics*.

CHANGED TABLE: OAGRTP – Customer Agreement Type						
Field	Reference field	Type	Length	Digits	Decimals	Description
IQCONO	CONO	DECIMAL	2	3	0	Company
IQAGTP	AGTP	CHAR	3	-	-	Agreement type
IQTX40	TX40	CHAR	40	-	-	Description
IQTX15	TX15	CHAR	15	-	-	Name
IQSPGR	SPGR	DECIMAL	1	1	0	Superior groups
IQTXID	TXID	DECIMAL	7	13	0	Text identity
IQAGCB	AGCB	DECIMAL	1	1	0	Business chain agreement
IQAGPD	AGPD	DECIMAL	1	1	0	Agreed prices
IQAGEC	AGEC	CHAR	1	-	-	Quantity check
IQAGHE	AGHE	DECIMAL	1	1	0	Summed agreement quantity
IQNTCD	NTCD	DECIMAL	1	1	0	Net price used
IQBNCD	BNCD	DECIMAL	1	1	0	Bonus generating
IQPRAC	PRAC	DECIMAL	1	1	0	Commission generating
IQSEAH	SEAH	DECIMAL	1	1	0	Season in use
IQRGDT	RGDT	DECIMAL	5	8	0	Entry date
IQRGTM	RGTM	DECIMAL	4	6	0	Entry time

IQLMDT	LMDT	DECIMAL	5	8	0	Change date
IQCHNO	CHNO	DECIMAL	2	3	0	Change number
IQCHID	CHID	CHAR	10	-	-	Changed by
<i>IQBUOR</i>	<i>BUOR</i>	<i>DECIMAL</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>Bulk order</i>
<i>IQBUID</i>	<i>BUID</i>	<i>CHAR</i>	<i>1</i>	<i>-</i>	<i>-</i>	<i>Bulk order number series</i>
<i>IQORTY</i>	<i>ORTY</i>	<i>CHAR</i>	<i>3</i>	<i>-</i>	<i>-</i>	<i>Order type</i>
<i>IQPRTD</i>	<i>PRTD</i>	<i>DECIMAL</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>Prt document</i>
<i>IQPRMS</i>	<i>PRMS</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>Price origin sequence</i>
<i>IQPRTB</i>	<i>PRTB</i>	<i>DECIMAL</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>Auto print of order confirmation</i>

CHANGED TABLE: OOLIAR – Customer Order Line Agreement References

Field	Reference field	Type	Length	Digits	Decimals	Description
UXCONO	CONO	DECIMAL	2	3	0	Company
UXORNO	ORNO	CHAR	10	-	-	Customer order number
UXPONR	PONR	DECIMAL	3	5	0	Line number
UXPOX	POX	DECIMAL	2	2	0	Line suffix
UXCUNO	CUNO	CHAR	10	-	-	Customer number
UXAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
UXFDAT	FDAT	DECIMAL	5	8	0	From date
UXSTDT	STDT	DECIMAL	5	8	0	Start date
UXITNO	ITNO	CHAR	15	-	-	Item number
UXUNIT	UNIT	CHAR	3	-	-	Unit of measure
UXORQT	ORQT	DECIMAL	8	15	6	Ordered quantity - basic U/M
UXREQT	REQT	DECIMAL	8	15	6	Reserved quantity
UXDLQT	DLQT	DECIMAL	8	15	6	Delivered quantity - basic U/M
UXIVQT	IVQT	DECIMAL	8	15	6	Invoiced quantity - basic U/M
UXAGLN	SEQN	DECIMAL	4	7	0	Sequence number
UXRGDT	RGDT	DECIMAL	5	8	0	Entry date
UXRGTM	RGTM	DECIMAL	4	6	0	Entry time
UXLMDT	LMDT	DECIMAL	5	8	0	Change date
UXCHNO	CHNO	DECIMAL	2	3	0	Change number
UXCHID	CHID	CHAR	10	-	-	Changed by
<i>UXALQT</i>	<i>ALQT</i>	<i>DECIMAL</i>	<i>8</i>	<i>15</i>	<i>6</i>	<i>Allocated quantity - basic U/M</i>

CHANGED TABLE: OAGRHE – Customer Agreement Head						
Field	Reference field	Type	Length	Digits	Decimals	Description
UYCONO	CONO	DECIMAL	2	3	0	Company
UYDIVI	DIVI	CHAR	3	-	-	Division
UYCUNO	CUNO	CHAR	10	-	-	Customer number
UYAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
UYSTDT	STDT	DECIMAL	5	8	0	Start date
UYLVDT	LVDT	DECIMAL	5	8	0	Valid to
UYTX40	TX40	CHAR	40	-	-	Description
UYAGQT	AGQT	DECIMAL	8	15	6	Agreed quantity
UYLIDT	LIDT	DECIMAL	5	8	0	Last invoice date
UYUNIT	UNIT	CHAR	3	-	-	Unit of measure
UYAGHE	AGHE	DECIMAL	1	1	0	Summed agreement quantity
UYCUCD	CUCD	CHAR	3	-	-	Currency
UYAGST	AGST	CHAR	2	-	-	Status
UYAGDT	AGDT	DECIMAL	5	8	0	Blanket agreement date
UYAGEC	AGEC	CHAR	1	-	-	Quantity check
UYLNCD	LNCD	CHAR	2	-	-	Language
UYNXAG	NXAG	CHAR	7	-	-	Next blanket agreement
UYOREF	OREF	CHAR	30	-	-	Our reference
UYREF	YREF	CHAR	30	-	-	Your reference 1
UYCUDT	CUDT	DECIMAL	5	8	0	Customer's purchase order date
UYCUOR	CUOR	CHAR	20	-	-	Customer's order number
UYAGPD	AGPD	DECIMAL	1	1	0	Agreed prices
UYFECN	FECN	CHAR	10	-	-	Future rate agreement number
UYTEPY	TEPY	CHAR	3	-	-	Payment terms
UYTECD	TECD	CHAR	3	-	-	Cash discount term
UYMODL	MODL	CHAR	3	-	-	Delivery method
UYTEDL	TEDL	CHAR	3	-	-	Delivery terms
UYTEPA	TEPA	CHAR	3	-	-	Packaging terms
UYNTCD	NTCD	DECIMAL	1	1	0	Net price used
UYTINC	TINC	DECIMAL	1	1	0	VAT included

UYVTCD	VTCD	DECIMAL	2	2	0	VAT code
UYBNCD	BNCD	DECIMAL	1	1	0	Bonus generating
UYBREC	BREC	CHAR	10	-	-	Recipient agreement type 9 - bonus
UYPRAC	PRAC	DECIMAL	1	1	0	Commission generating
UYAGNT	AGNT	CHAR	10	-	-	Recipient agreement type 1 - commission
UYAGN2	AGN2	CHAR	10	-	-	Recipient agreement type 2 - commission
UYAGN3	AGN3	CHAR	10	-	-	Recipient agreement type 3 - commission
UYAGN4	AGN4	CHAR	10	-	-	Recipient agreement type 4 - commission
UYAGN5	AGN5	CHAR	10	-	-	Recipient agreement type 5 - commission
UYAGN6	AGN6	CHAR	10	-	-	Recipient agreement type 6 - commission
UYAGN7	AGN7	CHAR	10	-	-	Recipient agreement type 7 - commission
UYSCMO	SCMO	CHAR	6	-	-	Costing model - sales price
UYADID	ADID	CHAR	6	-	-	Address number
UYAGCB	AGCB	DECIMAL	1	1	0	Business chain agreement
UYTXID	TXID	DECIMAL	7	13	0	Text identity
UYPRTX	TXID	DECIMAL	7	13	0	Text identity
UYPOTX	TXID	DECIMAL	7	13	0	Text identity
UYDTID	DTID	DECIMAL	7	13	0	Data identity
UYAGNB	AGNB	CHAR	7	-	-	Agreement number
UYSUNO	SUNO	CHAR	10	-	-	Supplier number
UYSPGR	SPGR	DECIMAL	1	1	0	Superior groups
UYPROJ	PROJ	CHAR	7	-	-	Project number
UYELNO	ELNO	CHAR	8	-	-	Project element
UYPRRF	PRRF	CHAR	2	-	-	Price list
UYRESP	RESP	CHAR	10	-	-	Responsible
UYAGTP	AGTP	CHAR	3	-	-	Agreement type
UYAGLN	SEQN	DECIMAL	4	7	0	Sequence number
UYSMCD	SMCD	CHAR	4	-	-	Salesperson
UYPRLC	PRLC	CHAR	10	-	-	Price list customer number
UYSEAH	SEAH	DECIMAL	1	1	0	Season in use

UYACGR	ACGR	CHAR	10	-	-	Object access group
UYRGDT	RGDT	DECIMAL	5	8	0	Entry date
UYRGTM	RGTM	DECIMAL	4	6	0	Entry time
UYLMDT	LMDT	DECIMAL	5	8	0	Change date
UYCHNO	CHNO	DECIMAL	2	3	0	Change number
UYCHID	CHID	CHAR	10	-	-	Changed by
UYLMTS	LMTS	DECIMAL	10	18	0	Timestamp
<i>UYWHLO</i>	<i>WHLO</i>	<i>CHAR</i>	3	-	-	<i>Warehouse</i>
<i>UYBUOR</i>	<i>BUOR</i>	<i>DECIMAL</i>	1	1	0	<i>Bulk order</i>

CHANGED TABLE: OAGRLN – Customer Agreement Line						
Field	Reference field	Type	Length	Digits	Decimals	Description
UWCONO	CONO	DECIMAL	2	3	0	Company
UWDIVI	DIVI	CHAR	3	-	-	Division
UWCUNO	CUNO	CHAR	10	-	-	Customer number
UWAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
UWFDAT	FDAT	DECIMAL	5	8	0	From date
UWSTDT	STDT	DECIMAL	5	8	0	Start date
UWPREX	PREX	CHAR	2	-	-	Priority
UWGENE	GENE	CHAR	1	-	-	Generic
UWOBV1	OBV1	CHAR	15	-	-	Start value 1
UWOBV2	OBV2	CHAR	15	-	-	Start value 2
UWOBV3	OBV3	CHAR	15	-	-	Start value 3
UWOBV4	OBV4	CHAR	15	-	-	Start value 4
UWAGQT	AGQT	DECIMAL	8	15	6	Agreed quantity
UWSPGR	SPGR	DECIMAL	1	1	0	Superior groups
UWAGNB	AGNB	CHAR	7	-	-	Agreement number
UWSUNO	SUNO	CHAR	10	-	-	Supplier number
UWAGLN	SEQN	DECIMAL	4	7	0	Sequence number
UWPRRF	PRRF	CHAR	2	-	-	Price list
UWPRLC	PRLC	CHAR	10	-	-	Price list customer number
UWLIDT	LIDT	DECIMAL	5	8	0	Last invoice date
UWD2QT	D2QT	DECIMAL	8	15	6	Minimum quantity
UWD3QT	D3QT	DECIMAL	8	15	6	Maximum quantity
UWLAMI	LAMI	DECIMAL	8	15	2	Minimum line amount
UWLVDT	LVDT	DECIMAL	5	8	0	Valid to

UWAGPD	AGPD	DECIMAL	1	1	0	Agreed prices
UWKPCD	KPCD	DECIMAL	1	1	0	Kit printout
UWNAQT	NAQT	DECIMAL	8	15	6	Normal call-off quantity
UWAGST	AGST	CHAR	2	-	-	Status
UWCUCD	CUCD	CHAR	3	-	-	Currency
UWNTCD	NTCD	DECIMAL	1	1	0	Net price used
UWUNIT	UNIT	CHAR	3	-	-	Unit of measure
UWCOFA	COFA	DECIMAL	8	15	9	Conversion factor
UWDMCF	DMCF	DECIMAL	1	1	0	Conversion form
UWSPUN	SPUN	CHAR	3	-	-	Sales price unit of measure
UWPCOF	PCOF	DECIMAL	8	15	9	Price adjustment factor
UWCOFS	COFS	DECIMAL	8	15	9	Conversion factor - sales price U/M
UWDMCS	DMCS	DECIMAL	1	1	0	Conversion method - sales price U/M
UWTINC	TINC	DECIMAL	1	1	0	VAT included
UWVTCD	VTCD	DECIMAL	2	2	0	VAT code
UWBBCD	BBCD	DECIMAL	1	1	0	Bonus generating
UWPRAC	PRAC	DECIMAL	1	1	0	Commission generating
UWAGCB	AGCB	DECIMAL	1	1	0	Business chain agreement
UWTXID	TXID	DECIMAL	7	13	0	Text identity
UWPRTX	TXID	DECIMAL	7	13	0	Text identity
UWPOTX	TXID	DECIMAL	7	13	0	Text identity
UWDTID	DTID	DECIMAL	7	13	0	Data identity
UWRGDT	RGDT	DECIMAL	5	8	0	Entry date
UWRGTM	RGTM	DECIMAL	4	6	0	Entry time
UWLMDT	LMDT	DECIMAL	5	8	0	Change date
UWCHNO	CHNO	DECIMAL	2	3	0	Change number
UWCHID	CHID	CHAR	10	-	-	Changed by
UWLMTS	LMTS	DECIMAL	10	18	0	Timestamp
<i>UWHDPR</i>	<i>HDPR</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>Main product</i>
<i>UWOPTY</i>	<i>OPTY</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>Y-option</i>
<i>UWTX15</i>	<i>TX15</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>Name</i>
<i>UWTY15</i>	<i>TX15</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>Name</i>
<i>UWOPTX</i>	<i>OPTX</i>	<i>CHAR</i>	<i>15</i>	<i>-</i>	<i>-</i>	<i>X-option</i>

<i>UWPLDT</i>	<i>PLDT</i>	<i>DECIMAL</i>	<i>5</i>	<i>8</i>	<i>0</i>	<i>Planning date</i>
<i>UWORGQ</i>	<i>ORGQ</i>	<i>DECIMAL</i>	<i>8</i>	<i>15</i>	<i>6</i>	<i>Original quantity</i>
<i>UWORGU</i>	<i>ORGU</i>	<i>CHAR</i>	<i>3</i>	<i>-</i>	<i>-</i>	<i>Original U/M</i>
<i>UWORG P</i>	<i>ORGP</i>	<i>CHAR</i>	<i>2</i>	<i>-</i>	<i>-</i>	<i>Original price list</i>
<i>UWORG C</i>	<i>ORGC</i>	<i>CHAR</i>	<i>3</i>	<i>-</i>	<i>-</i>	<i>Original currency</i>

CHANGED TABLE: MDEOHE – Demand Order Head						
Field	Reference field	Type	Length	Digits	Decimals	Description
VHCONO	CONO	DECIMAL	2	3	0	Company
VHDENO	DENO	CHAR	10	-	-	Order number
VHWHLO	WHLO	CHAR	3	-	-	Warehouse
VHITNO	ITNO	CHAR	15	-	-	Item number
VHHDPR	HDPR	CHAR	15	-	-	Main product
VHRESP	RESP	CHAR	10	-	-	Responsible
VHDOST	DOST	CHAR	2	-	-	Status - manufacturing order
VHPLDT	PLDT	DECIMAL	5	8	0	Planning date
VHPLHM	PLHM	DECIMAL	3	4	0	Planning time
VHORQT	ORQT	DECIMAL	8	15	6	Ordered quantity - basic U/M
VHORI1	ORI1	CHAR	15	-	-	Origin
VHNREF	NR40	CHAR	40	-	-	Reference number
VHPUIT	PUIT	DECIMAL	1	1	0	Acquisition code
VHORTY	ORTY	CHAR	3	-	-	Order type
VHRPLS	RPLS	CHAR	10	-	-	Source
VHPUPR	PUPR	DECIMAL	9	17	6	Purchase price
VHPUCD	PUCD	DECIMAL	3	5	0	Purchase price quantity
VHCUCD	CUCD	CHAR	3	-	-	Currency
VHCUNO	CUNO	CHAR	10	-	-	Customer number
VHAGNO	AGNO	CHAR	7	-	-	Blanket agreement number
VHFDAT	FDAT	DECIMAL	5	8	0	From date
VHTDAT	TDAT	DECIMAL	5	8	0	To date
VHUPCK	UPCK	DECIMAL	1	1	0	Unpack
VHREOD	REOD	DECIMAL	1	1	0	Replenishment order
VHTRRP	TRRP	DECIMAL	1	1	0	Trigger replenishment
VHATNR	ATNR	DECIMAL	9	17	0	Attribute number
VHTXID	TXID	DECIMAL	7	13	0	Text identity

VHRGDT	RGDT	DECIMAL	5	8	0	Entry date
VHRGTM	RGTM	DECIMAL	4	6	0	Entry time
VHLMDT	LMDT	DECIMAL	5	8	0	Change date
VHCHNO	CHNO	DECIMAL	2	3	0	Change number
VHCHID	CHID	CHAR	10	-	-	Changed by
VHLMTS	LMTS	DECIMAL	10	18	0	Timestamp
VHPRIO	PRIO	DECIMAL	1	1	0	Priority
VHCFIN	CFIN	DECIMAL	6	10	0	Configuration number
VHECVS	ECVS	DECIMAL	2	3	0	Simulation round
VHALQT	ALQT	DECIMAL	8	15	6	Allocated quantity - basic U/M
VHAGLN	SEQN	DECIMAL	4	7	0	Sequence number
VHSTDT	STDT	DECIMAL	5	8	0	Start date
VHMODL	MODL	CHAR	3	-	-	Delivery method
VHTEDL	TEDL	CHAR	3	-	-	Delivery terms
VHRE20	RE20	CHAR	20	-	-	Reference
VHAQOR	AQOR	CHAR	3	-	-	Acquisition order type
VHPSOA	PSOA	CHAR	3	-	-	Preferred order category
VHPSRN	PSRN	CHAR	10	-	-	Preferred order number
VHPSRL	PSRL	DECIMAL	4	6	0	Preferred order line
VHPSRX	PSRX	DECIMAL	2	3	0	Preferred line suffix
VHALAR	ALAR	DECIMAL	1	1	0	Allocate at receipt
VHUSQT	USQT	DECIMAL	8	15	6	Quantity used

APPENDIX 1 - Basic data settings – not bulk order specific

This appendix has been included to support users in setting up set up their basic data for fashion items. No new development has been made in this area.

Enable Style-Color entry

- MWS050 – Item numbering rule

M3 Item Numbering Rule. Open - MWS050/E SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Panel Header

Numbering rule: NA84
 Number type: 2-Alias numbers

Details

Description: Style + colour
 Number length: 10
 Character list:
 Skip blanks:

- MWS051 – Item numbering rule, define component

M3 Item Numbering Rule. Define Component - MWS051/B SCE Company SCE - Company 510 division...

Actions ▾ Options ▾ Related ▾ Tools ▾

Inquiry type: 1-From/To

Numbering rule: NA84 Style + colour
 Number type: 2-Alias numbers
 Item no length: 10

Frp	Tps	Lgt	Qua	Value	Frp	Tps	Lgt
<input type="text"/>			<input type="text"/>				
001	006	006	02	MMITNO	01	06	06
007	007	001	03	-	01	01	01
008	010	003	08	Y	01	03	03

- MMS024 – Alias type 84

Created using inquiry type 1

M3 Alias Type. Open - MMS024/E SCE Company SCE - Company 510 division AAA

Actions ▾ Options ▾ Related ▾ Tools ▾

Panel Header

Alias type: 84

Details

Description: Style - Colour

Alias category: 84-Style no, opt z ▾

Alias qualifier: ▾

Numbering rule: NA84 ▾ Style + colour

Override with m:

Alias template

Item number: ▾

Alias number: ▾

Partner: ▾

Season: ▾

Valid from: ▾

- MWS043 – Item type, connect alias

M3 Item Type. Connect Alias - MWS043/B1 SCE Company SCE - Co

Actions ▾ Options ▾ Related ▾ Tools ▾

Item type: USS ▾ US: Style item type with template

Apply

Atp	Aut	Description
84	1	Style - Colour

APPENDIX 2

Overview parameters – Different supply scenarios

	PARAMETER SETTING - per program CRS709 - Supply chain policy										MMS002 - Item/Warehouse				
	Order link	Stop SC	Link	Auto find	Allocate	Multiple	Safety Time	Material up	Up-stream	Planning	Supply chain	Period	Planning	Planning	Saf