Microsoft Dynamics NAV 2013

Supply Planning & Inventory Visualization*

Brought to you by Microsoft Services

Savandeep Singh Chadha
sachadha@Microsoft.com

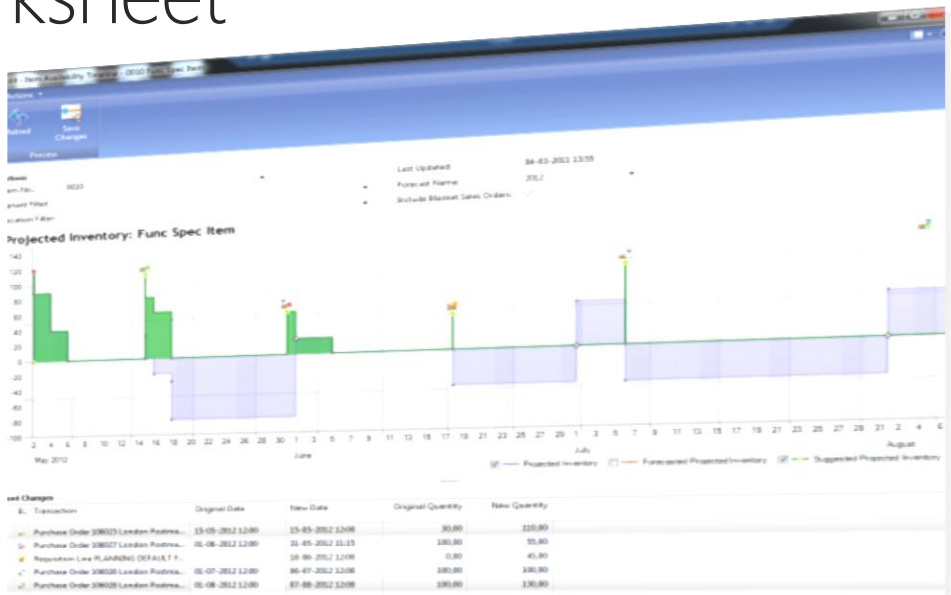
Kabir Shenvi
kashenvi@microsoft.com

Microsoft Partner Network

* Level Beginner to Intermediate

AGENDA

- The Planning enhancements
  - Additional Planning Setup Options
  - New layout on Item/SKU card
  - Changes to the Planning and Req. Worksheet
  - Integration to Jobs and Assembly
- Inventory Visualizations
  - by Event (data for the Timeline)
  - by Timeline



Microsoft Dynamics NAV 2013

AGENDA

- The Planning enhancements
  - Additional Planning Setup Options
  - New layout on Item/SKU card
  - Changes to the Planning and Req. Worksheet
  - Integration to Jobs and Assembly
- Inventory Visualizations
  - by Event (data for the Timeline)
  - by Timeline

Microsoft
Microsoft Dynamics NAV 2013

Additional Planning Setup Options

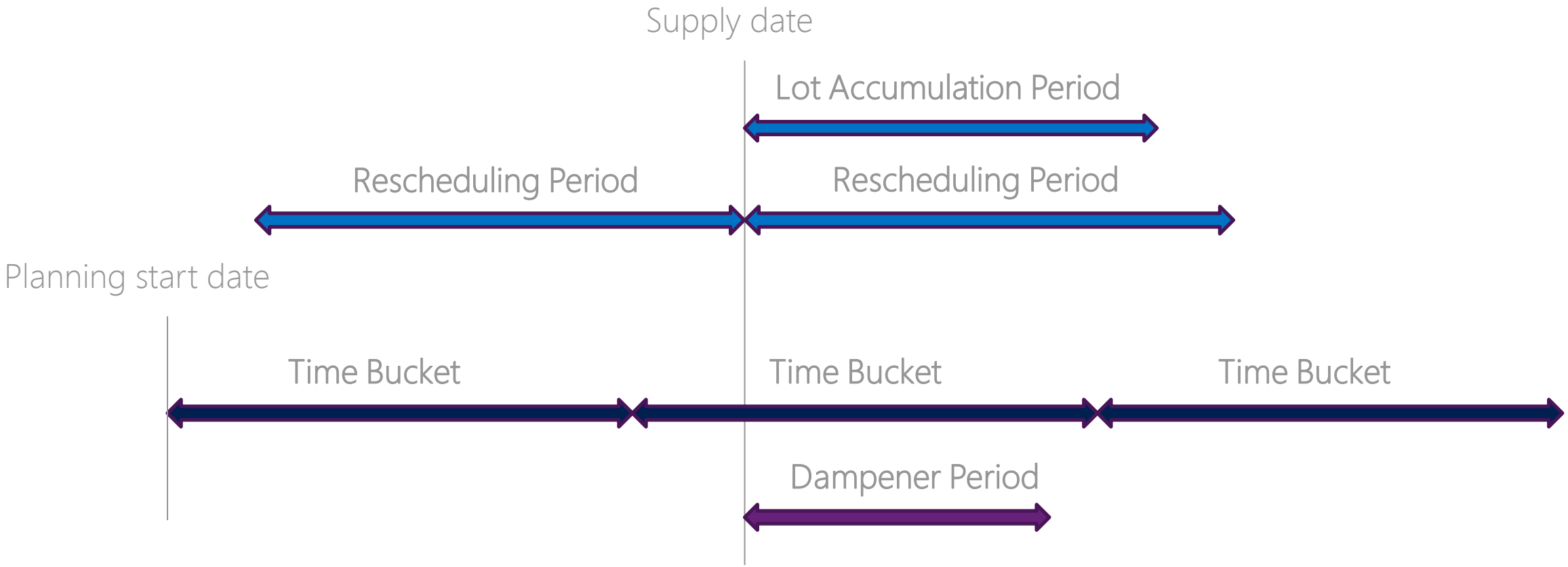
Microsoft

Reorder Cycle has been split into multiple fields making it possible to have different values for:

1. **Lot Accumulation Period:** Demands that are due within the reorder cycle are grouped together to make a joint supply order, used by L-F-L.
2. **Rescheduling Period:** Used to determine if the action message should reschedule an existing order or cancel it and create a new order, used by L-F-L.
3. **Dampener Period**: Currently, the dampener period applies to an item and can never be higher than the value in the item's Reorder Cycle field
4. **Time Bucket**: Period used by the reorder point.

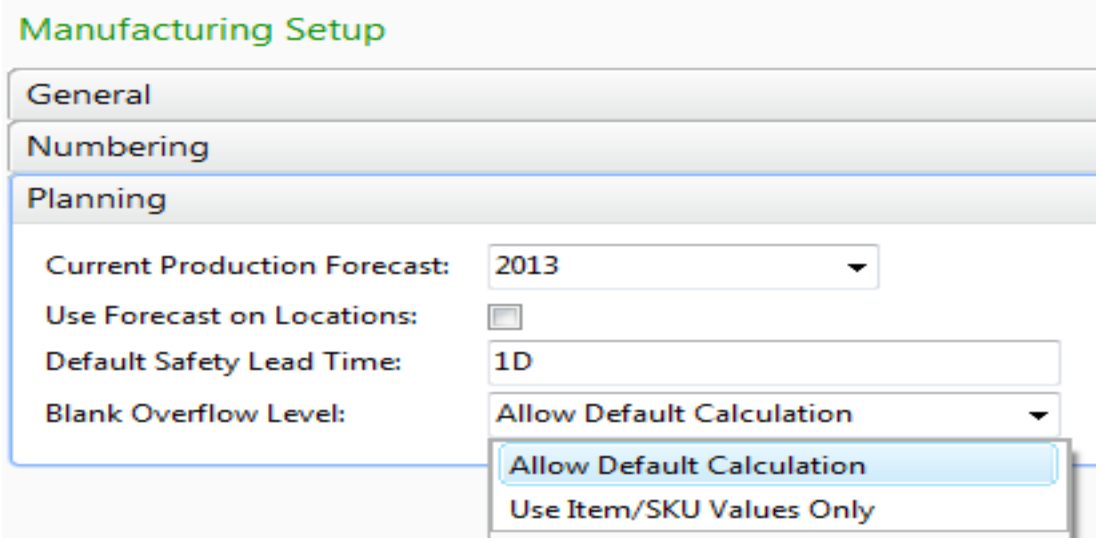
Microsoft Dynamics NAV 2013

Additional Planning Setup Options



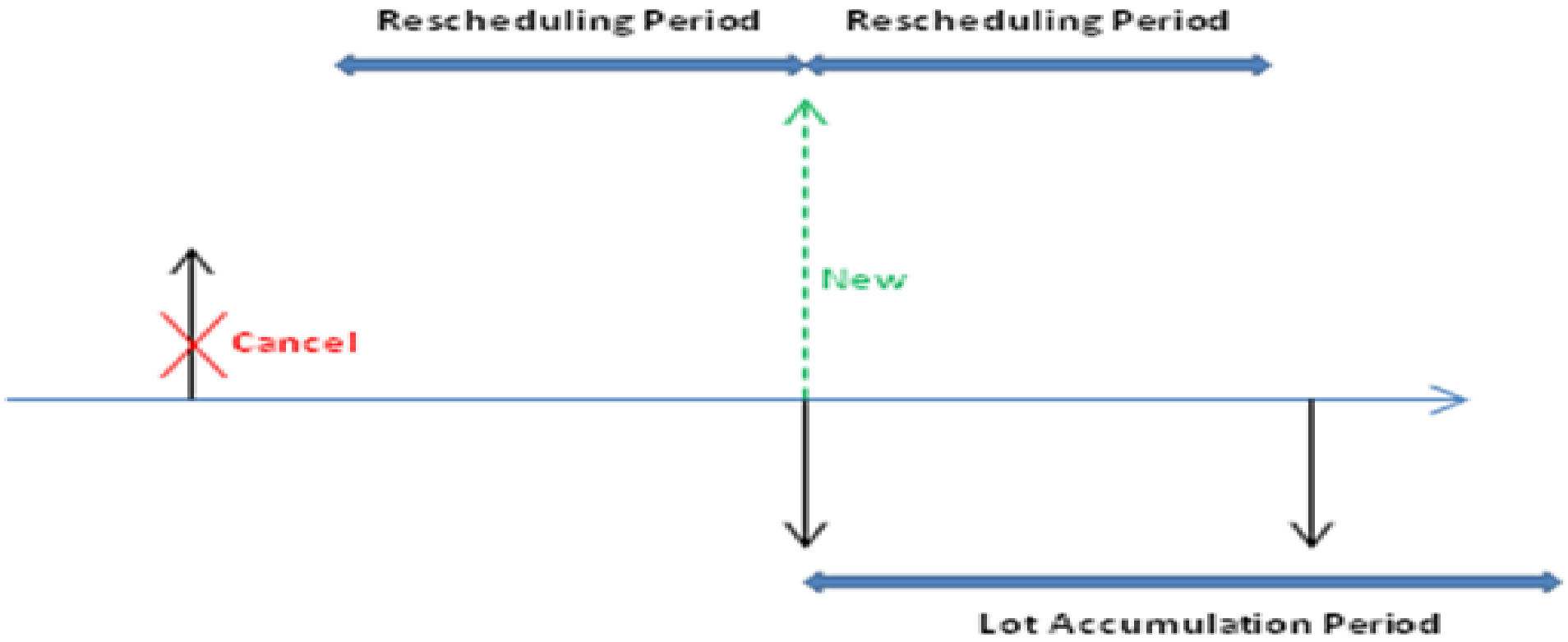
Microsoft Dynamics NAV 2013

Additional Planning Setup

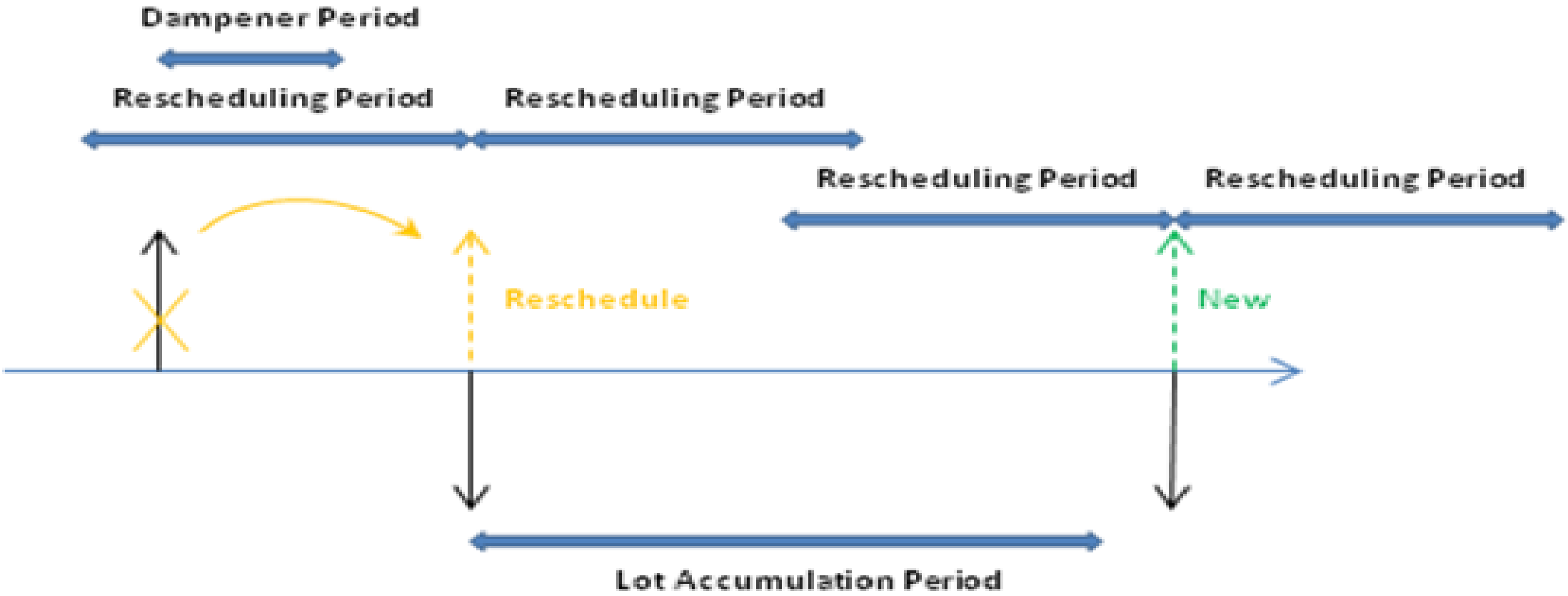


In the global setup, you can choose to either use the default calculation for items without values in the Overflow Level field of the item/SKU card, or to only use the manually entered values (meaning that 0 or blank on item/SKU card = don't use overflow level)

Example 1:

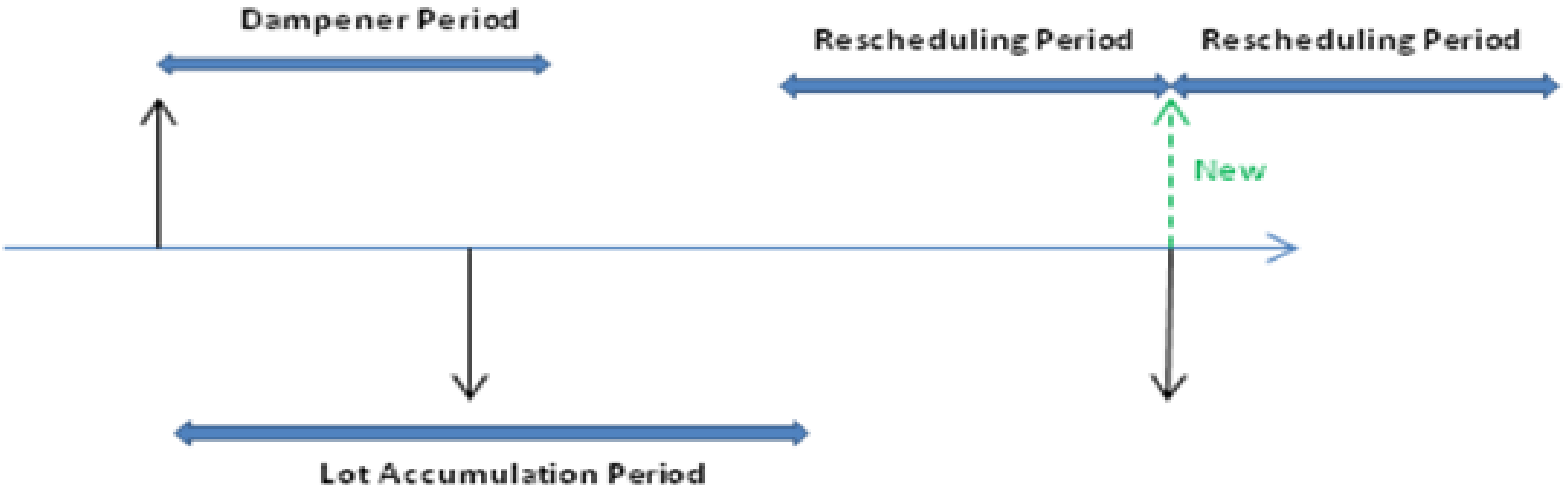

Rescheduling Period
Rescheduling Period
New
Cancel
Lot Accumulation Period

Example 2:



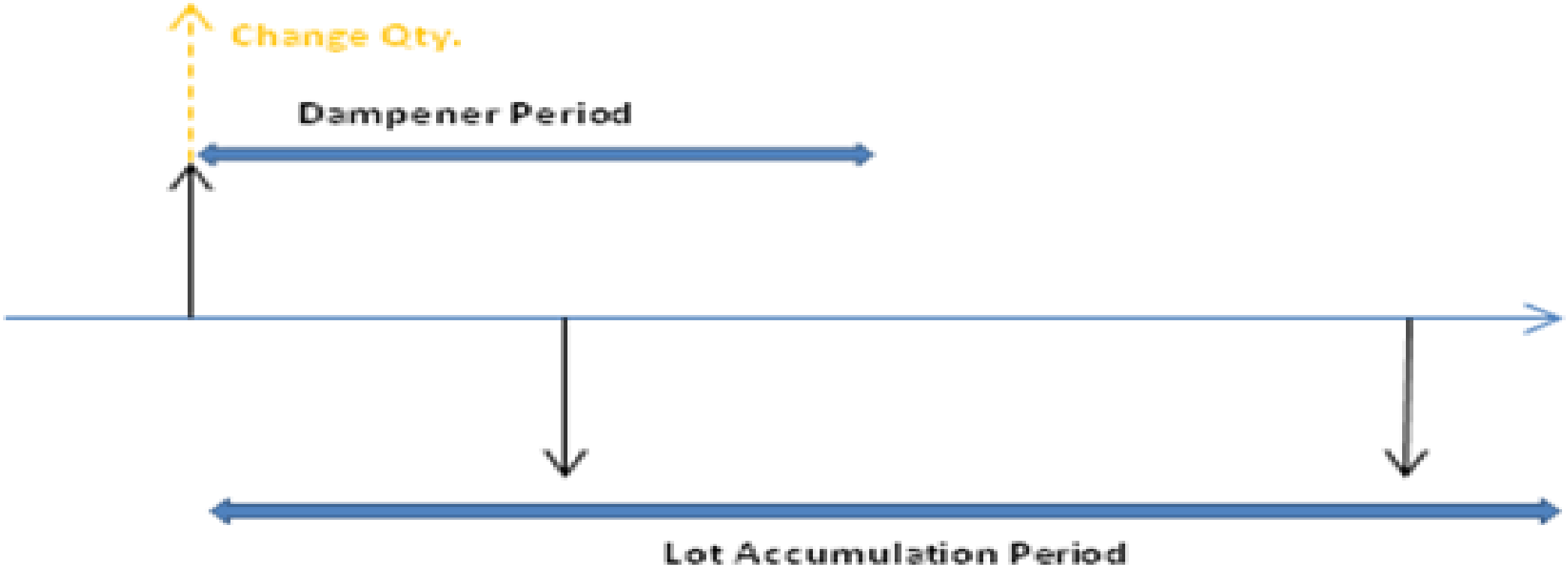
Microsoft Dynamics NAV 2013

Example 3:



Microsoft Dynamics NAV 2013

Example 4:



Microsoft Dynamics NAV 2013

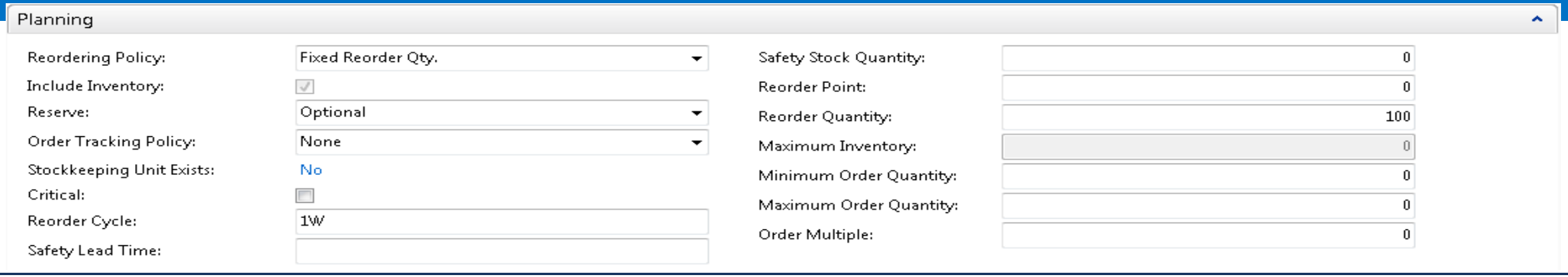
AGENDA

- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - New layout on Item/SKU card
  - Changes to the Planning and Req. Worksheet
  - Integration to Jobs and Assembly
- Inventory Visualizations
  - by Event (data for the Timeline)
  - by Timeline

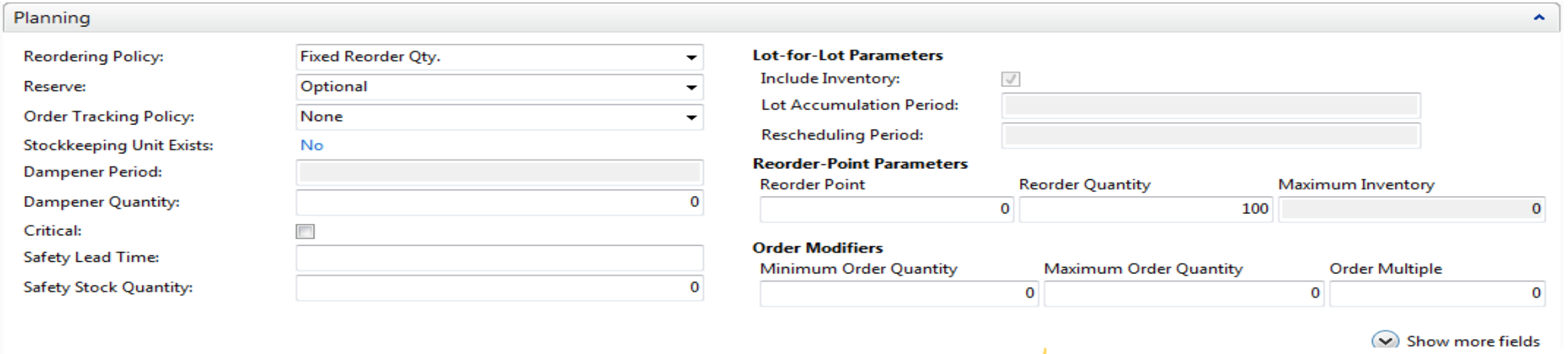
Microsoft Dynamics NAV 2013

Microsoft

NAV 2009 R2

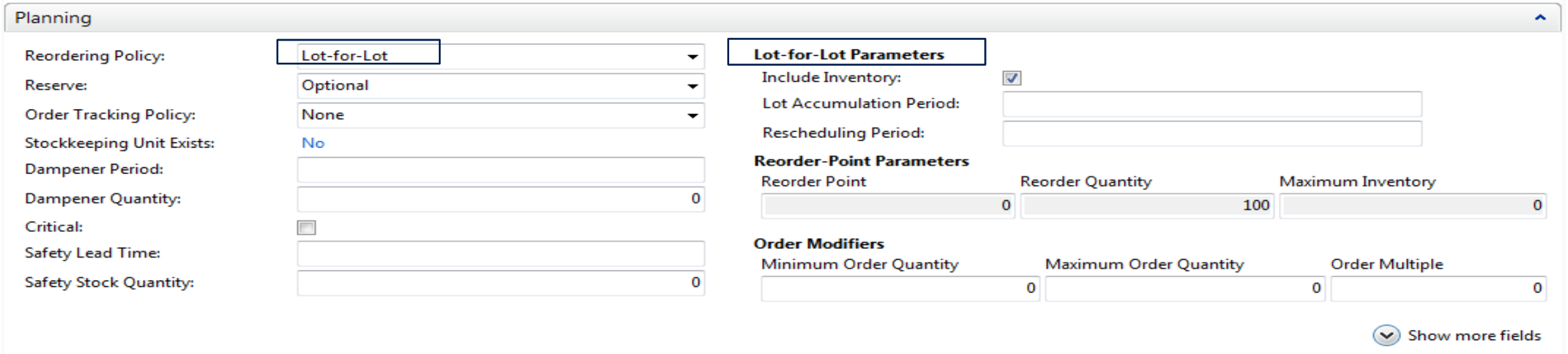


NAV 2013



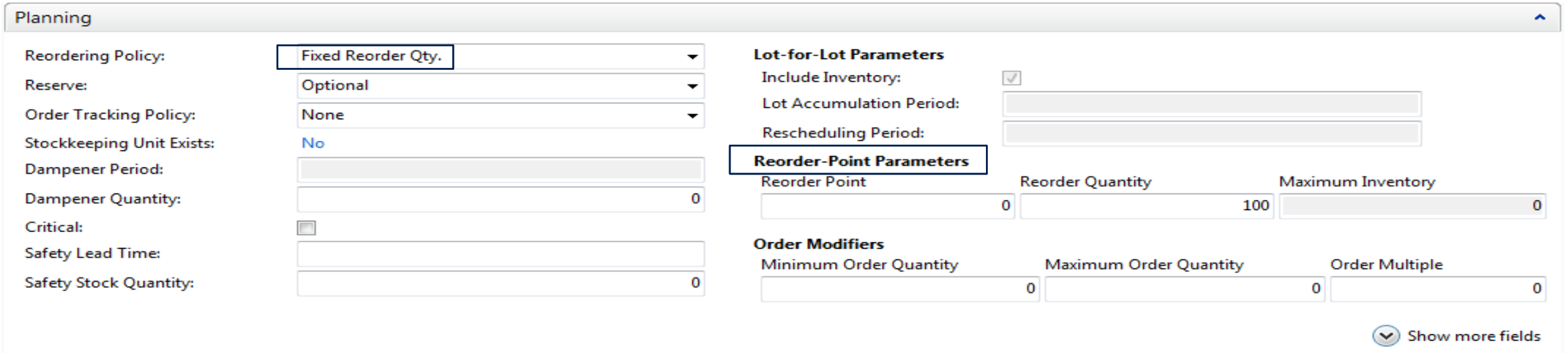
Microsoft Dynamics NAV 2013

Grouping of fields per Reordering Policy

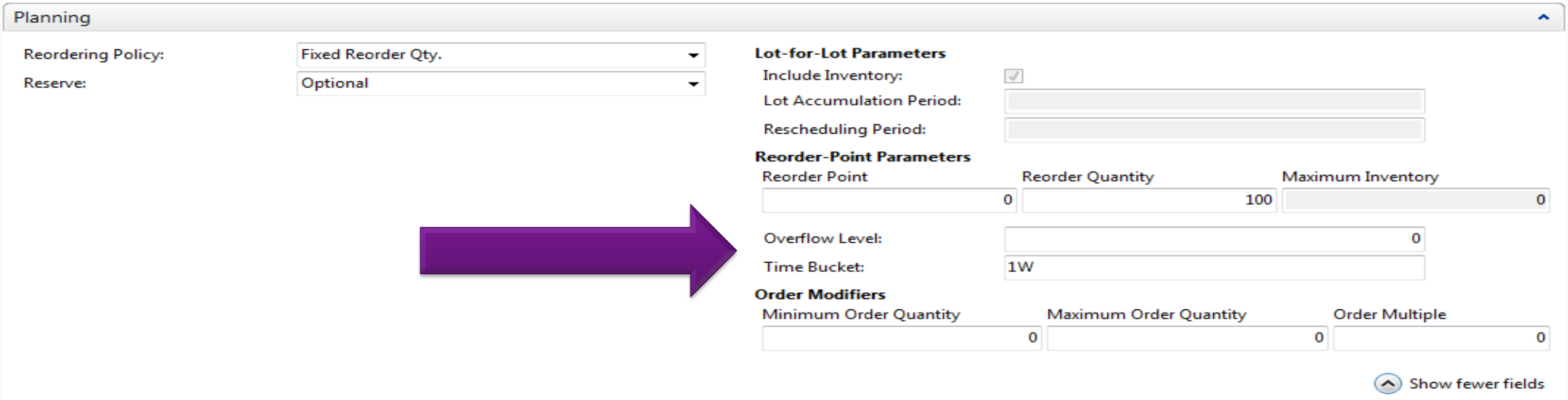


Microsoft Dynamics NAV 2013

Grouping of fields per Reordering Policy

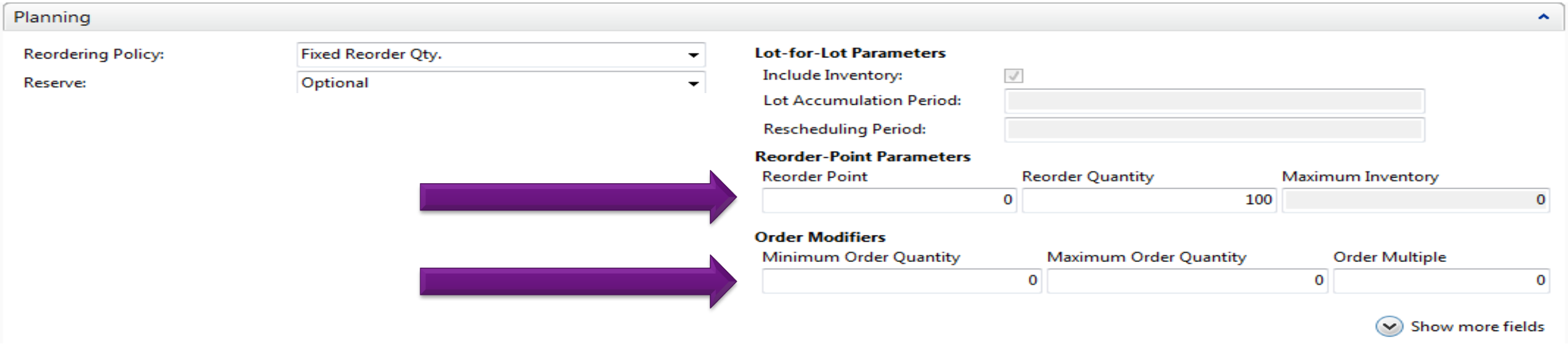


Show fewer or more fields



Microsoft Dynamics NAV 2013

Using GridLayout



Microsoft Dynamics NAV 2013

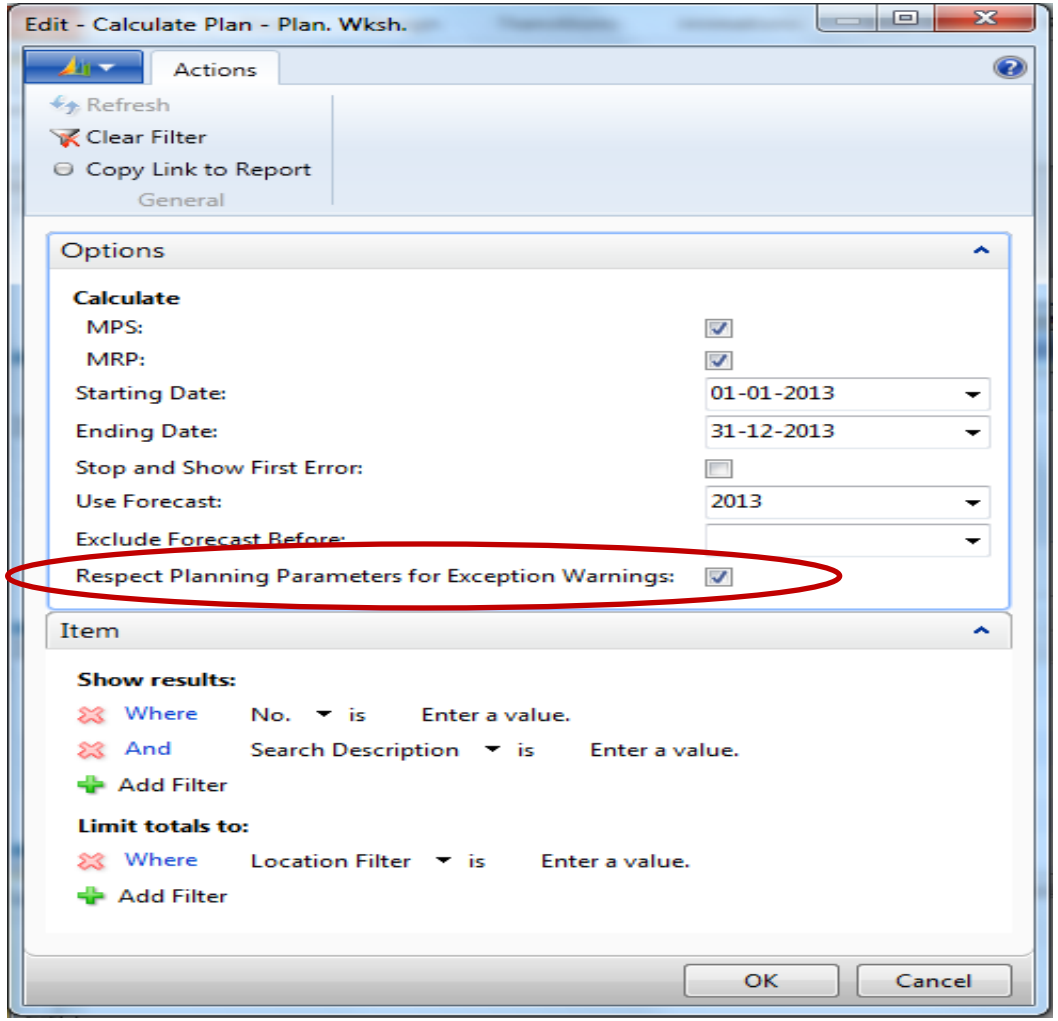
AGENDA

- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - ✓ New layout on Item/SKU card
  - Changes to the Planning and Req. Worksheet
  - Integration to Jobs and Assembly
- Inventory Visualizations
  - by Event (data for the Timeline)
  - by Timeline

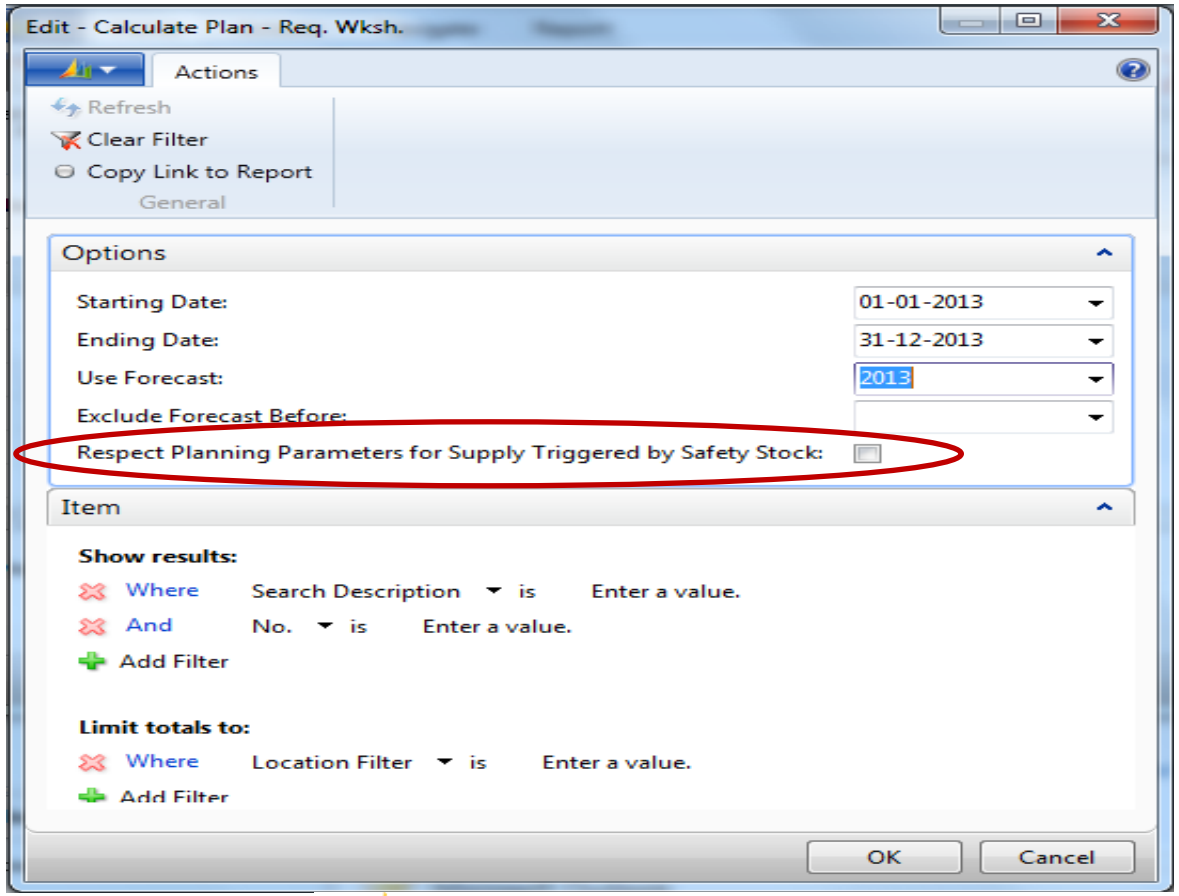
Microsoft Dynamics NAV 2013

Respect Planning Parameters

Planning Worksheet



Req. Worksheet



Microsoft Dynamics NAV 2013

Respect Planning Parameters

For Supply Triggered by Safety stock -

When this field is selected, then planning lines with Exception warnings will respect the following planning parameters on the item or SKU card:

Parameter type	Reordering policy	Parameter
Reorder-Point Parameters	Fixed Reorder Qty.	Reorder Point
		Reorder Quantity
	Maximum Qty.	Reorder Point
		Maximum Inventory

In addition, the following order modifiers will be respected:

- Minimum Order Quantity
- Maximum Order Quantity
- Order Multiple

AGENDA

- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - ✓ New layout on Item/SKU card
  - ✓ Changes to the Planning and Req. Worksheet
  - Integration to Jobs and Assembly
- Inventory Visualizations
  - by Event (data for the Timeline)
  - by Timeline

Microsoft Dynamics NAV 2013

Supply Included in Planning

Microsoft

Supply types

- Already in inventory: Item Ledger Entry (Planning Flexibility = None)
- Sales Return Order (Planning Flexibility = None)
- Inbound Transfer Order
- Production Order
- Purchase Order

New in NAV 2013

- Assembly Order

Microsoft Dynamics NAV 2013

Demand Included in Planning

Microsoft

Demand types

- Already shipped: Item Ledger Entry
- Purchase Return Order (usually not involved in supply planning)
- Sales Order
- Service Order
- Component need from Production
- Outbound Transfer Order
- Blanket Order (not already consumed by related sales orders)
- Forecast (not already consumed by other sales orders)

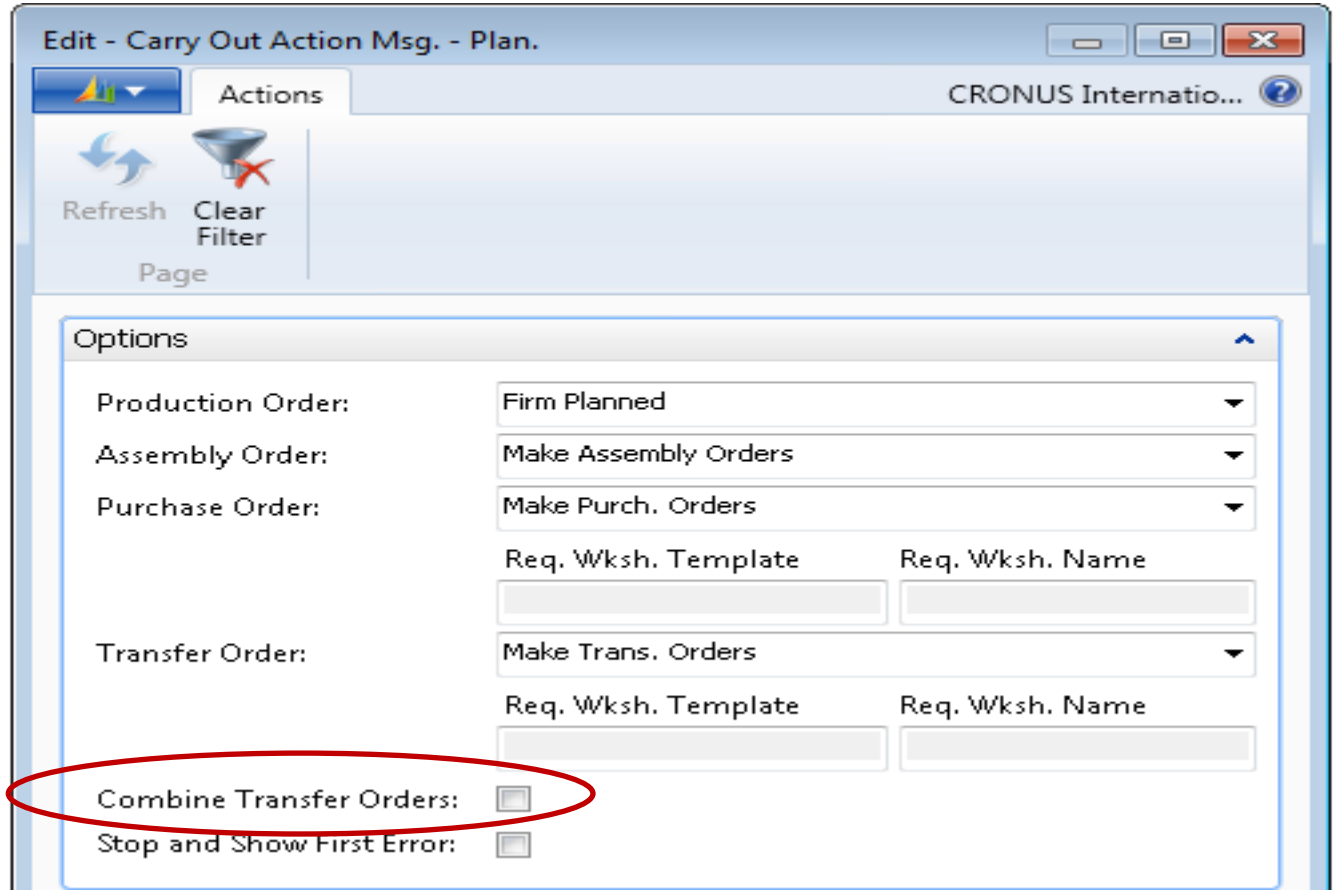
New in NAV 2013

- Component need from Assembly
- Job Planning line (When Usage Link is selected)
  - Jobs Setup option: Apply Usage Link by Default

Microsoft Dynamics NAV 2013

Combine Transfer orders

New option on Carry Out Action Msg. -



Microsoft Dynamics NAV 2013

Allocations

Microsoft

Demo:

- Planning Supply of Items with Lot-for-Lot Reordering Policy in Microsoft Dynamics NAV 2013

Microsoft Dynamics NAV 2013

Allocations

Microsoft

Demo:

- Planning Supply of Items with Fixed Reorder Qty. and Maximum Qty. Reordering Policies in Microsoft Dynamics NAV 2013

Microsoft Dynamics NAV 2013

AGENDA

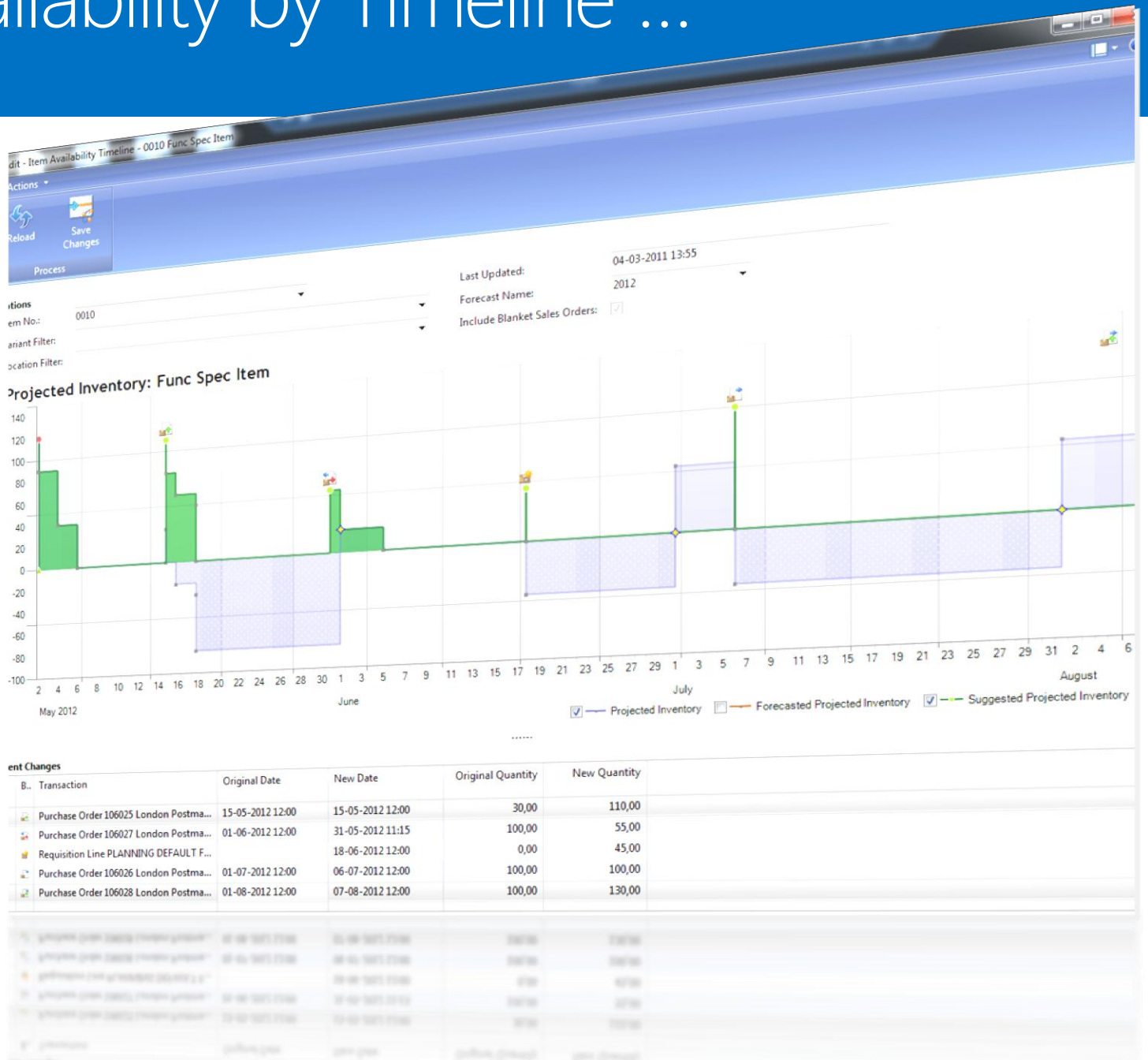
- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - ✓ New layout on Item/SKU card
  - ✓ Changes to the Planning and Req. Worksheet
  - ✓ Integration to Jobs and Assembly
- **Inventory Visualizations**
  - by Event (data for the Timeline)
  - by Timeline

AGENDA

- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - ✓ New layout on Item/SKU card
  - ✓ Changes to the Planning and Req. Worksheet
  - ✓ Integration to Jobs and Assembly
- ✓ Inventory Visualizations
  - ✓ by Event (data for the Timeline)
  - by Timeline

Microsoft Dynamics NAV 2013

And Item Availability by Timeline …



Microsoft Partner Network

AGENDA

- ✓ The Planning enhancements
  - ✓ Additional Planning Setup Options
  - ✓ New layout on Item/SKU card
  - ✓ Changes to the Planning and Req. Worksheet
  - ✓ Integration to Jobs and Assembly
- ✓ Inventory Visualizations
  - ✓ by Event (data for the Timeline)
  - ✓ by Timeline

Key Take-Aways

- The Planning enhancements
- Inventory Visualizations

Microsoft

Microsoft Dynamics NAV 2013

Questions?

Microsoft Dynamics NAV 2013

Microsoft

Thank You

Microsoft Dynamics NAV 2013

Microsoft

Microsoft®

Your potential. Our passion.™

© 2012 Microsoft Corporation. All rights reserved. Terms of Use Privacy Statement

Microsoft Partner Network