



upland Ultriva

Ultriva v9.6.3

Release Notes

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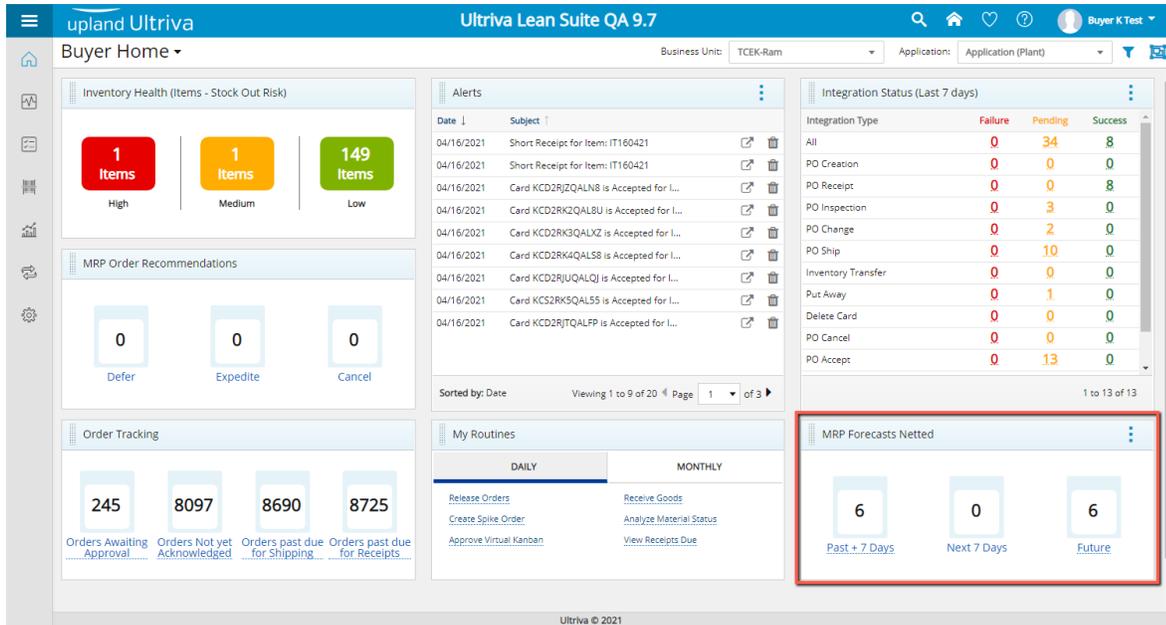
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1 Enhancements

1.1 Advanced formula to calculate Netted Forecasts

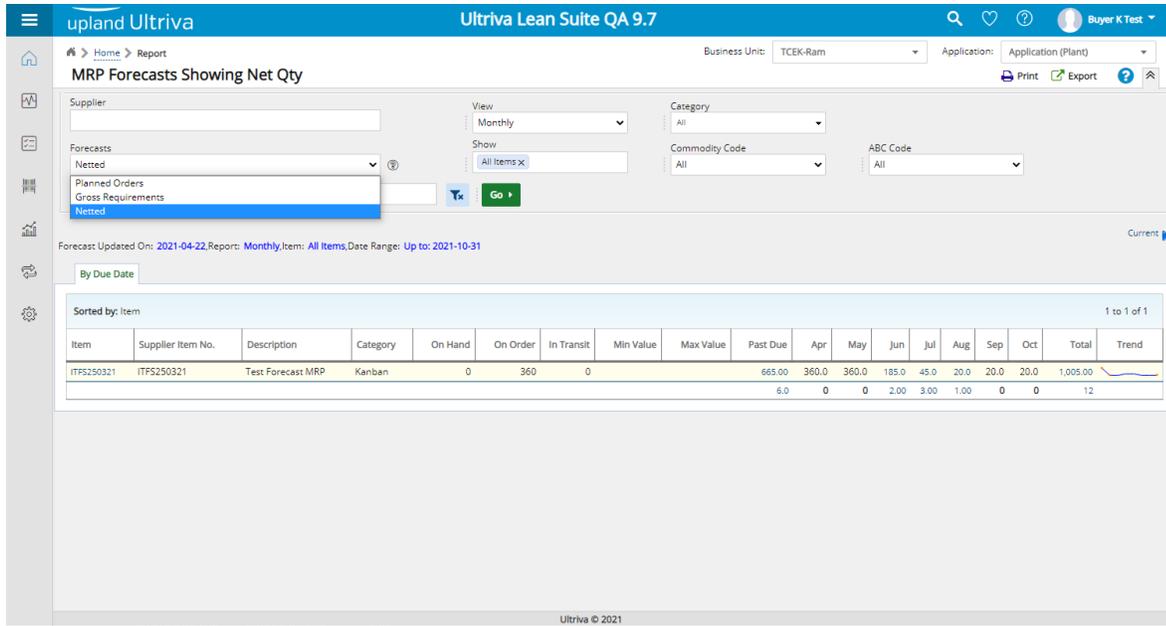
Netted forecasts are displayed on the home page in the MRP panel. The options to select are Past + 7 days, next 7 days or Future.



After clicking on any option, the MRP Forecasts page is displayed showing net quantity. Here, the user will see all Forecasts uploaded to the system as Gross Requirements showing the netted quantities. Netted quantities are calculated using the formula detailed below.

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Once viewing the MRP Forecasts Showing Net Qty page, the user may also select additional forecast type to view.



Two different formulas may be applied to calculate net quantity in Ultriva; Classic (C) and Advanced (A).

1.1.1 Classic formula

First period formula:

NetQty (1st period)

$$= \textit{Beginning On Hand Qty} + \textit{Past Due Orders Qty} + \textit{Expected Receipts} - \textit{Requirement Qty}$$

Next periods formula:

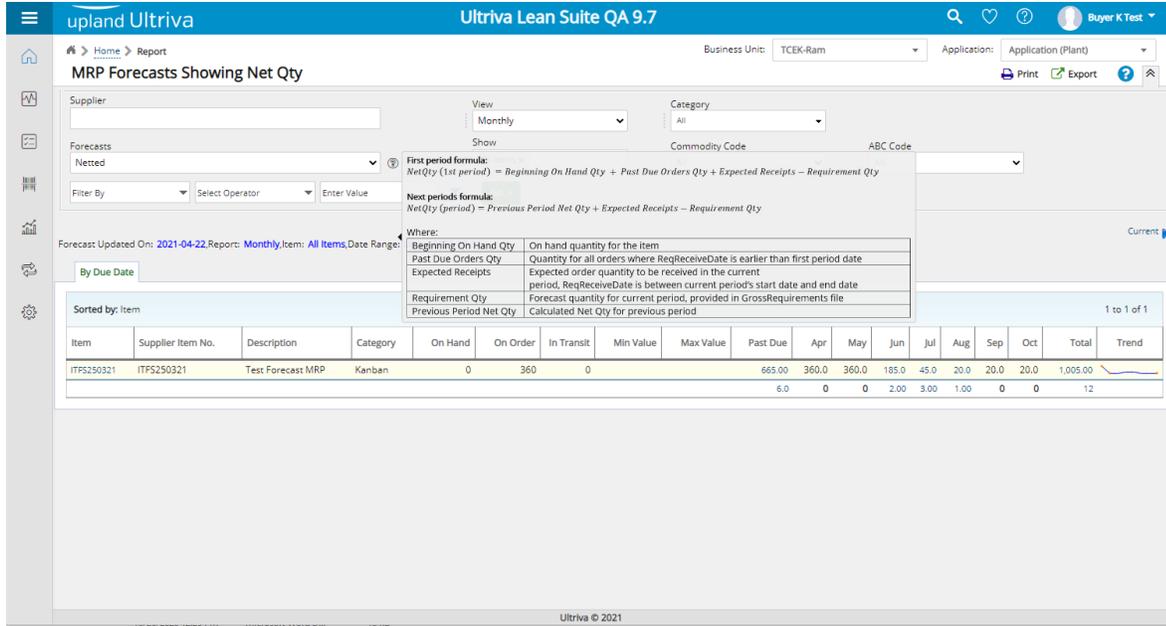
NetQty (period) = Previous Period Net Qty + Expected Receipts – Requirement Qty

Where:

Beginning On Hand Qty	On hand quantity for the item
Past Due Orders Qty	Quantity for all orders where ReqReceiveDate is earlier than first period date
Expected Receipts	Expected order quantity to be received in the current period, ReqReceiveDate is between current period's start date and end date
Requirement Qty	Forecast quantity for current period, provided in GrossRequirements file
Previous Period Net Qty	Calculated Net Qty for previous period

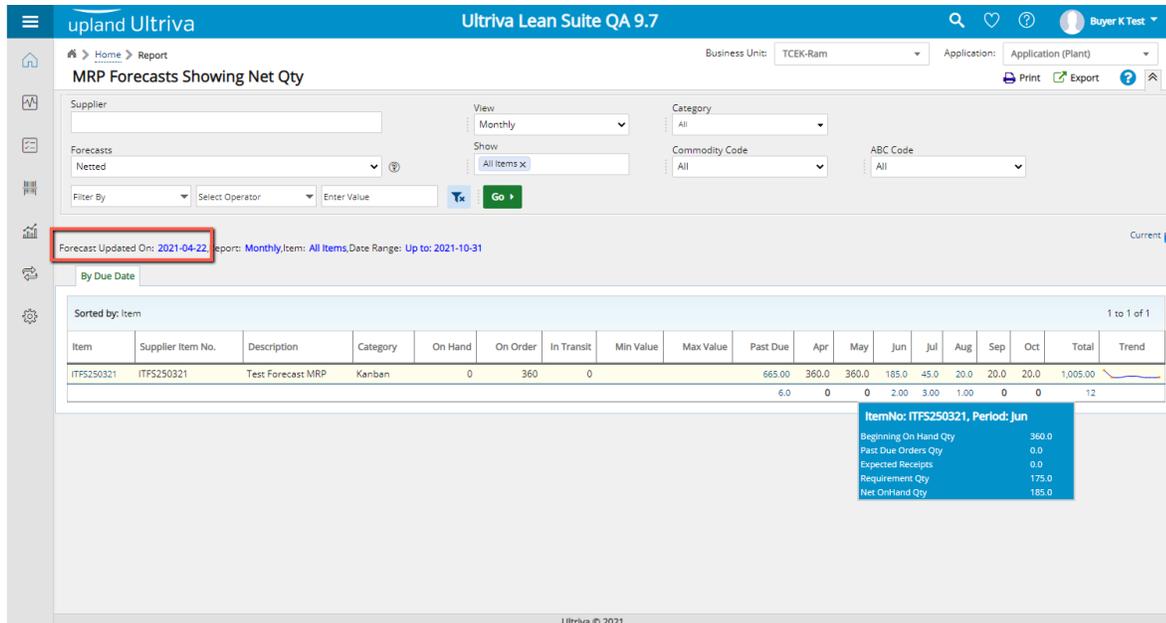
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Next to the Forecasts dropdown there is a question mark icon, when the mouse is passed over, the current formula will be displayed.



By passing the mouse over any of the netted quantity cells in grid, a tooltip is displayed providing the details of the values used to apply the Netted Quantity calculation.

Note: The filter details above the forecast data grid now includes a value for Forecasts Updated On to display the date of the most recent forecast data upload occurred.



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To change net quantity formula used for Forecast Gross Requirements, a new system configuration param was created (NETTED_FORECAST_FORMULA). Its default value is C (Classic). If there is a requirement to apply the Advanced formula, the value is set to A.

The screenshot shows the 'System Configuration Parameters List' interface in Ultriva Lean Suite QA 9.7. The search criteria are set to 'Name' equal to 'NETTED_FORECAST_FORMU'. The table below shows one entry:

Name	Value	Description	Updated
NETTED_FORECAST_FORMULA	C	Netted Forecasts formula (C - Classic, A - Advanced)	02/24/2021 01:34:57 AM

The screenshot shows the 'System Configuration Parameters List' interface in Ultriva Lean Suite QA 9.7. The search criteria are set to 'Name' equal to 'NETTED_FORECAST_FORMU'. The table below shows one entry:

Name	Value	Description	Updated
NETTED_FORECAST_FORMULA	A	Netted Forecasts formula (C - Classic, A - Advanced)	02/24/2021 01:34:57 AM

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1.1.2 Advanced formula

First period formula:

$$NetQty (1st period) = Requirement Qty - On Hand Qty$$

Next periods formula:

$$NetQty (period) = Previous Periods Gross Req Qty + Requirement Qty - Previous Periods Net Req Qty - On Hand Qty$$

Where:

Requirement Qty	Forecast quantity for current period, provided in GrossRequirements file
On Hand Qty	On hand quantity for the item
Previous Periods Gross Req Qty	Sum of Gross Requirements in all previous periods
Previous Periods Net Req Qty	Sum of Net Requirements in all previous periods

When the Advanced formula is applied, if the calculation results in negative value (< 0), Net Qty is set to 0.

The screenshot displays the 'MRP Forecasts Showing Net Qty' report in the Ultriva Lean Suite QA 9.7. The report is for Business Unit 'TCEK-Ram' and Application 'Application (Plant)'. The 'Netted' dropdown menu is open, showing the following formulas:

- First period formula:** $NetQty (1st period) = Requirement Qty - On Hand Qty$
- Next periods formula:** $NetQty (period) = Previous Periods Gross Req Qty + Requirement Qty - Previous Periods Net Req Qty - On Hand Qty$

The 'Where' section defines the variables:

- Requirement Qty: Forecast quantity for current period, provided in GrossRequirements file
- On Hand Qty: On hand quantity for the item
- Previous Periods Gross Req Qty: Sum of Gross Requirements in all previous periods
- Previous Periods Net Req Qty: Sum of Net Requirements in all previous periods

The table below shows the forecast data for item ITFS250321:

Item	Supplier Item No.	Description	Category	On Hand	On Order	In Transit	Min Value	Max Value	Past Due	Apr	May	Jun	Jul	Aug	Sep	Oct	Total	Trend
ITFS250321	ITFS250321	Test Forecast MRP	Kanban	0	360	0			665.00	0.0	0.0	175.0	140.0	25.0	0.0	0.0	1,005.00	
									6.0	0	0	2.00	3.00	1.00	0	0	12	

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By passing the mouse over any of the netted quantity cells in grid, a tooltip is displayed providing the details of the values used to apply the Netted Quantity calculation.

Forecast Updated On: 2021-04-22, Report: Monthly, Items: All Items, Date Range: Up to: 2021-10-31

Item	Supplier Item No.	Description	Category	On Hand	On Order	In Transit	Min Value	Max Value	Past Due	Apr	May	Jun	Jul	Aug	Sep	Oct	Total	Trend
ITFS250321	ITFS250321	Test Forecast MRP	Kanban	0	360	0			665.00	0.0	0.0	175.0	140.0	25.0	0.0	0.0	1,005.00	
									6.0	0	0	2.00	3.00	1.00	0	0	12	

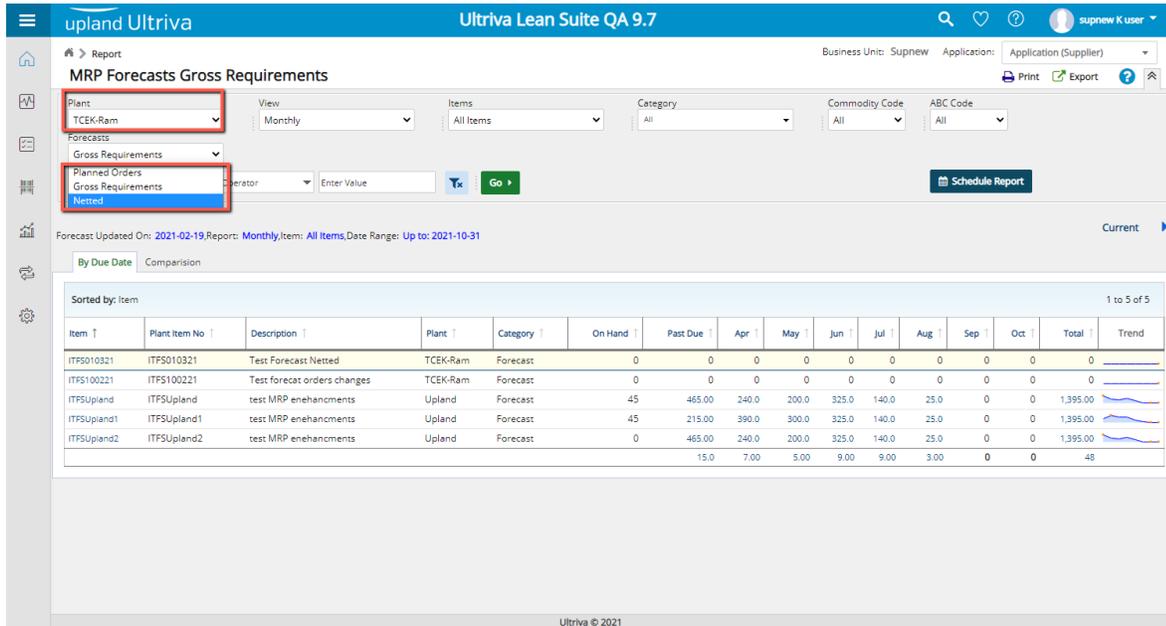
ItemNo: ITFS250321, Period: Jul

- Requirement Qty: 140.0
- Prev Periods Gross Req: 175.0
- Prev Periods Net Req: 175.0
- Net OnHand Qty: 140.0

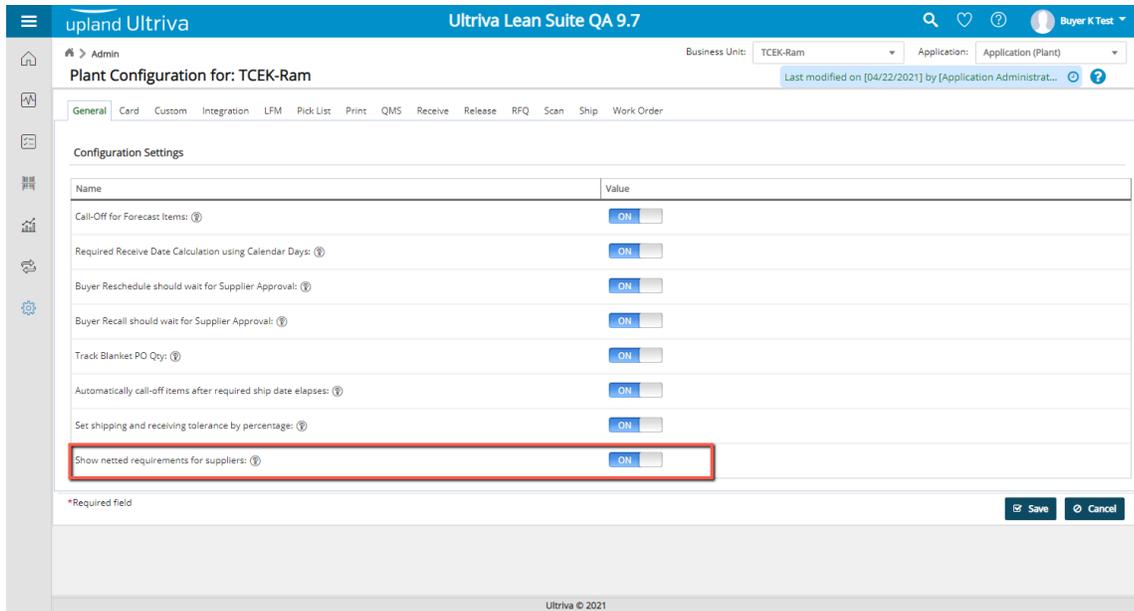
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1.2 Netted forecasts available on Supplier side

Netted forecasts are now available on supplier side. Suppliers may choose to view netted quantities after navigating to the Gross Requirements screen

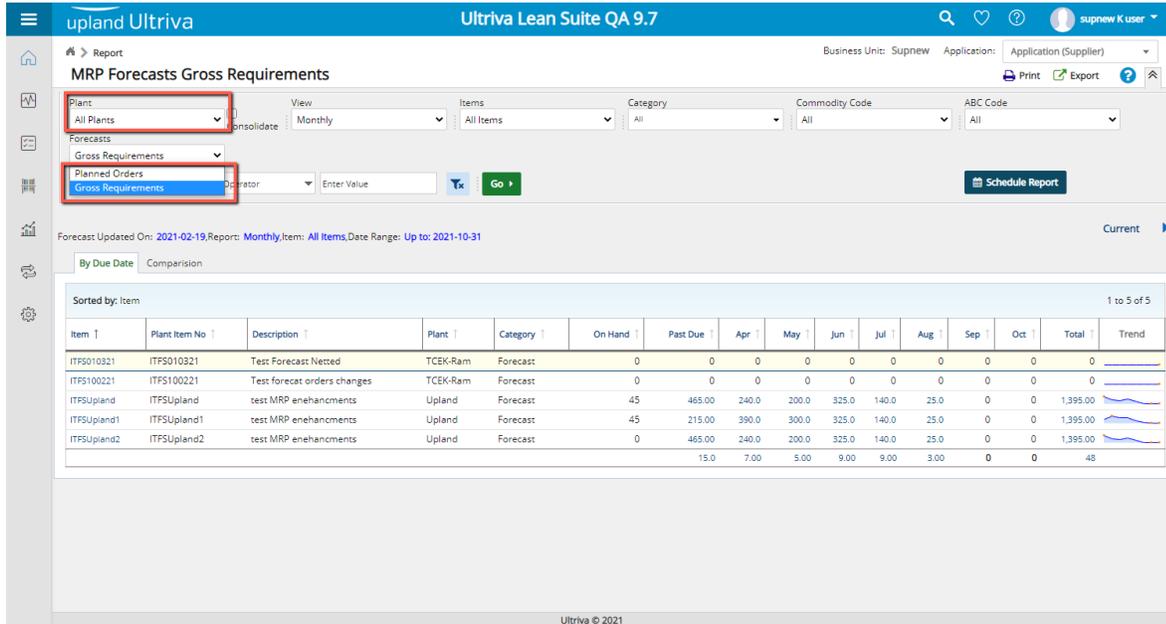


To enable supplier access to Netted Forecasts, a new Plant Business Unit configuration setting has been created: Show netted requirements for suppliers. The default value is OFF (Netted Forecasts not visible on supplier side).

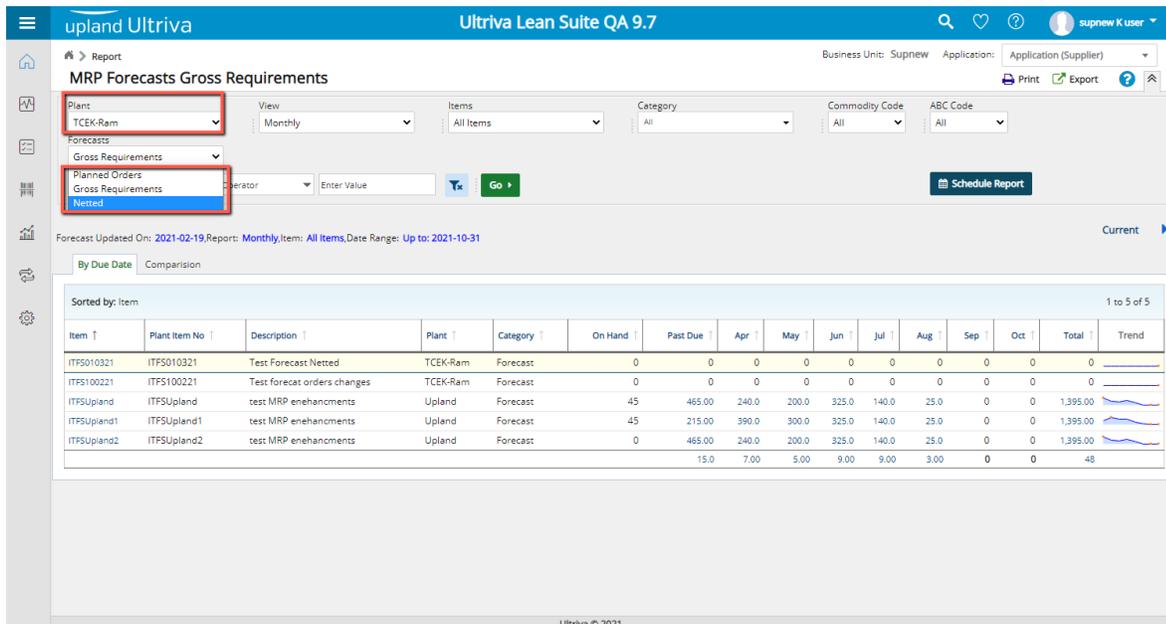


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Note: When viewing Planned Orders/Gross Requirements forecasts page, If the Plant filter is set to All Plants, Netted will not be available in the Forecasts dropdown.



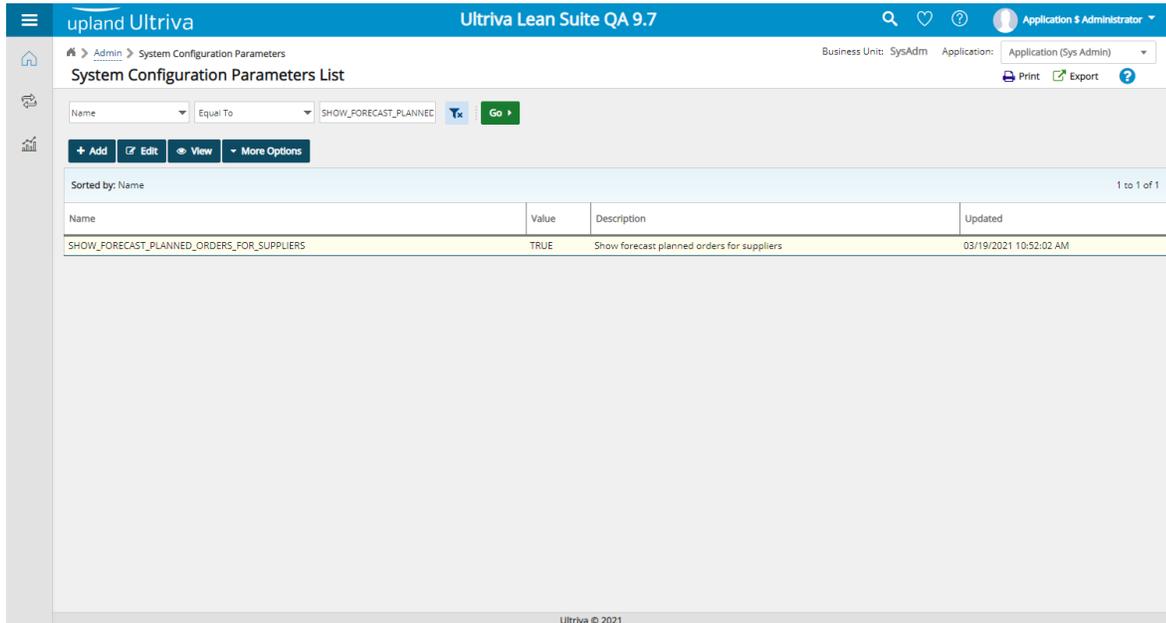
When the selected plant has the Netted configuration set to ON, the Netted option will be available in the dropdown.



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1.3 Show/Hide Forecasts planned orders on supplier side

A new system configuration parameter has been created to show or hide forecast planned orders on the supplier side: `SHOW_FORECAST_PLANNED_ORDERS_FOR_SUPPLIERS`. The default value is `FALSE`.



When this setting is set to true, Planned Orders will be visible on the supplier home page and available in the Forecasts dropdown filter (MRP Forecasts page).

