6.3. Viewing Purchase Plan and Projected Inventory Levels

Streamline can show purchase plans and projected inventory levels on different bases. The **Demand forecasting** tab shows purchase plans and projected inventory levels on an item basis whereas the **Inventory planning** tab displays them for all of the planning items in one report.

Viewing on Item Basis

In the **Demand forecasting** tab, you can view purchase plans and projected inventory levels by item, location or channel by selecting corresponding option in the **Tree view**. In our example, there are no locations or channels, thus, there are no additional viewing options below the tree.

Let's take a closer look at item **H8010**. The generated purchase plan and projected inventory levels for this item are shown by the **Purchase plan** and **Projected inventory levels** rows of the **Table** (see figure below).

Projected inventory levels row shows the levels *at the end of the period* indicated in the column header. Streamline expects that we will have **11** units in stock at the end of **January** (see figure above).

To learn more about the calculations behind the projected inventory levels, refer to the Ordering plan calculation article.

Purchase plan row shows quantities that should be ordered *until the 1-st day of the period* indicated in the column header.

We can see that the recommended order quantities are displayed in the first period of every order cycle. For example, we should place a purchase order for **200** units of item **H8010** until the 1-st of **January** (see figure below).

To learn more about how the purchase plan is calculated, refer to the Ordering plan calculation article.

Report Views

The **Inventory planning** tab shows current purchase recommendations for all of the items in the **Order now** section (see figure below).

Here "**now**" refers to the current situation, that is, current values of replenishment parameters, and the forecasts. Thus, if **On hand**, **Qty to receive**, or any other parameter or a forecast has changed, the **Order now** section will also be changed when you re-forecast the project.

The meaning of the columns in the **Order now** section are:

- **Qty** is how much you should order currently.
- **Days of supply** indicates the number of days of the future demand the **Qty** covers (based on the forecast).
- **Value** shows the value of the purchase order line.

Typically, suppliers put constraints on the lot size such as minimum order and/or order rounding. These could lead to over orders. In this case, Streamline calculates the excess part of the order automatically. To show it:

1. Go to the **Inventory planning** tab.
2. Click the **Settings** button in the tab toolbar.
3. Check the **Excess order** option in the **Show columns** group (see figure below).
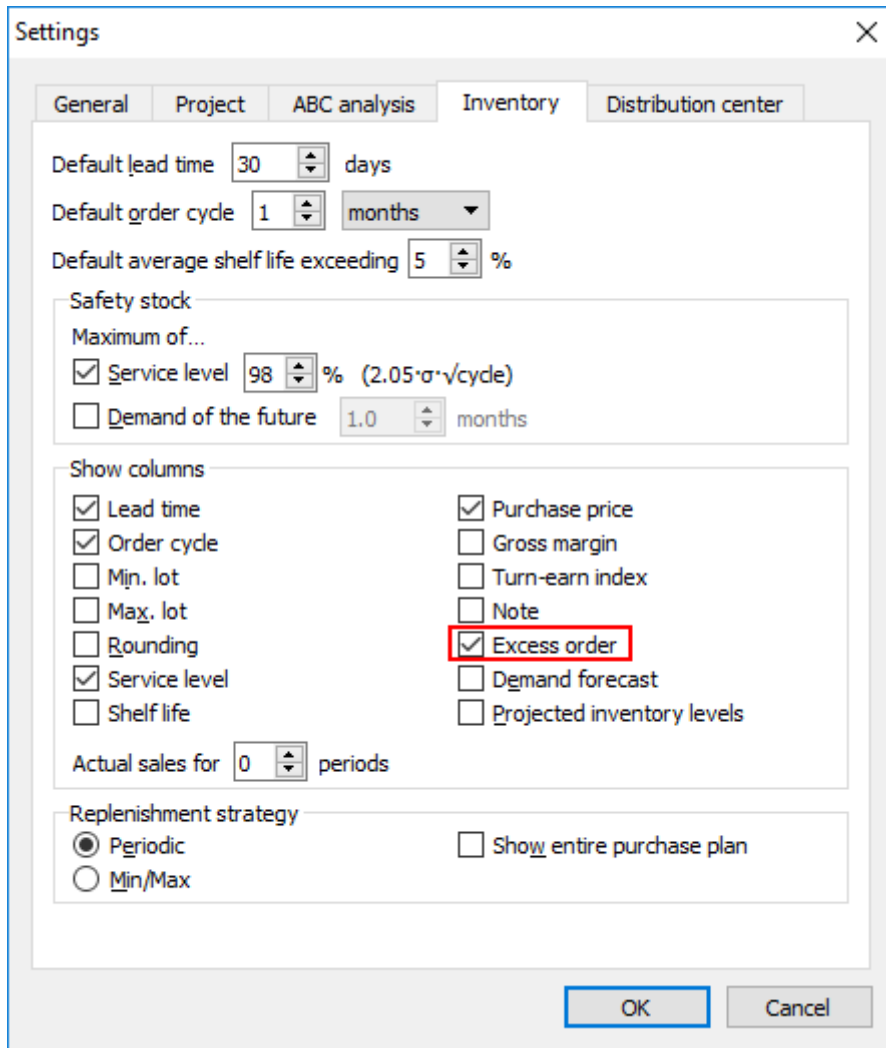
Now, the **Order now** section includes the **Excess order** column (see figure below).

| | Order now | | |
Qty	Excess order	Value	Days of supply
20	0%	1000.00	10
0		0.00	
50	84%	178.00	124
250	12.8%	1957.50	35
350	4.9%	3689.00	33
350	4.9%	7119.00	33
200	10%	88.00	34
200	38%	266.00	46
100	83%	175.00	163
0		0.00	
145	0%	253.75	63
486	0%	918.54	31

The **Order now** section is typically used to analyze and create replenishment orders based on the **Excess order**, **Purchase value**, **Days of supply**, ABC analysis, or other KPIs.

The **Inventory planning** tab can also show the purchase plan and projected inventory levels. To display them:

1. Go to the **Inventory planning** tab.
2. Click the **Settings** button in the tab toolbar.
3. Check the **Projected inventory levels** and **Show entire purchase plan** options (see figure below).
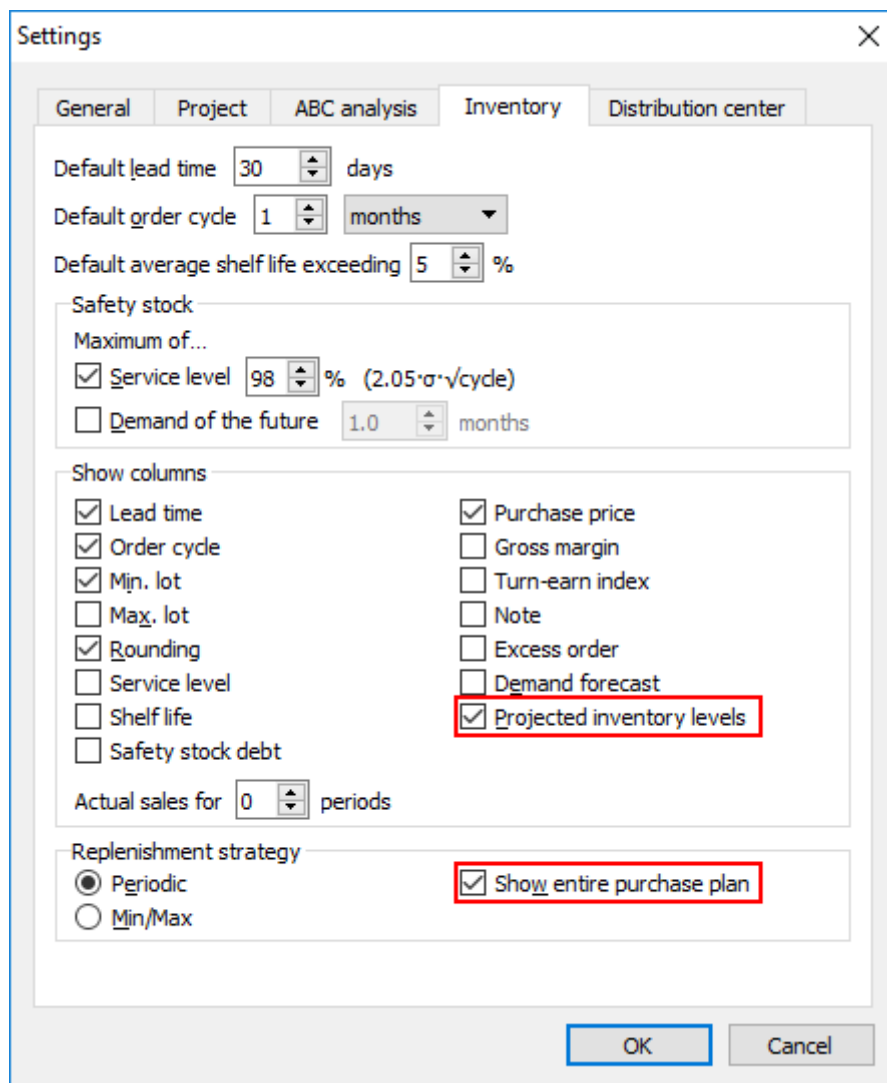
Now, inventory report table additionally displays the **Purchase plan** and **Projected inventory levels** sections (see figure below).

Purchase plan					Projected inventory levels				
Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
20	75	71	81	82	66	78	74	84	85
0	0	0	0	0	183	158	129	100	65
13	12	11	14	15	13	13	12	15	16
250	250	250	350	300	250	293	280	361	336
350	400	350			0	0	350	430	388
350	400	350			0	0	350	430	388
200	200	200	300	200	200	226	223	324	300
200	100	200	100	200	200	180	227	178	216
100	0	0	0	0	102	85	65	47	28
0	0	100	100	100	201	107	109	120	116
145	79	76	83	81	65	83	80	87	85

Color-coding of the **Projected inventory levels** section helps you easily to discern:

- The future periods which demand are covered by the **On hand** + InTrn(LT+OC) – PndSales(LT+OC) quantity (colored green).

- The future periods with expected stockouts (colored red).

Purchase plan is typically exported from Streamline on-demand to your suppliers.

Next: Analyzing Expected Stockouts and Overstocks

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