

Getting Started with the PULSE Inventory RECALC Program

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The Pulse Inventory RECALC application is tailored to use your unique business rules

Calculating the correct amount of inventory that must be available, by item, is often a lengthy and tedious process. The PULSE Inventory RECALC program allows you to conveniently update critical Macola® inventory data fields based on your business needs. The Item/Loc Fields in Macola® that may be Updated:

- Reorder Level
- Order Up-To Level
- Safety Stock
- Vendor Lead Time

Part of the implementation is to tailor it to meet your unique business rules. These rules can be static for the entire year or can vary depending on usage including your busy or slow times of the year. The product price includes up to six hours of setup programming.

Information that needs to be supplied to Leahy Consulting:

1. What criteria is used for determining when to order? This is the Reorder Level. This rule may differ between purchased and manufactured items.
2. When a replenishment order is placed, what determines how much to have on hand when the order is received? This is the Order-Up-To Level. For example, a one- or two-month supply of the item is all that needs to be stocked and available at any time, unless lead times are longer than that.
3. How much of an item should be maintained in inventory for emergencies? This is the Safety Stock.
4. Are there any items and/or stocking locations that need to be excluded from these rules?

Note: PULSE Dashboard each night computes several real-time data fields that can be incorporated in the above business rules:

- 3, 6 and 12-month total quantity usage
- 3, 6, and 12-month average usage
- Months or days of inventory on-hand
- Date of last:
 - o Purchase
 - o Sale
 - o Manufacture
 - o Usage
 - o Inventory activity

**Note also that you can override any of the quantities recommended by the software.

Recalculate min, max, safety stock, lead times (sample screen)

Item #	Item Description	Loc	Prod Cat	Vend No	On Hand Qty	PO Lead Time	Current Min	New Min	Min Difference	Min Diff * Last Cost	Current Max	New Max	Max Difference	Current Safety	New Safety	Safety Difference
1	#10 GR... GROMMET	CIN	GRO		0.00	90	0	5	5	1,280.65	0	0	0	0	0	0
2	#36 AL... PACKAGING MATERIALS	CIN	MIS		56,875.00	90	0	5	5	5.85	0	0	0	0	0	0
3	#36 H... BACK UNIT	CIN			7,650.00	90	0	5	5	17.75	0	0	0	0	0	0
4	#36 NY... HOOKS	CIN	MIS		13.00	90	0	5	5	16.90	0	0	0	0	0	0
5	#6 GR... GROMMFT	CIN	GRO		11,498.00	90	0	5	5	2.24	0	0	0	0	0	0

Sample Settings Options

Reorder Level

Box Caption: Reorder Level

Useful Variables

@OneMonthUsage The usage for one month based on 3, 6, or 12 month sample.

Reorder level calculation formula

```

CASE WHEN @OneMonthUsage <.33 then 5
WHEN @OneMonthUsage between .33 AND .5 THEN 0
WHEN iminvloc_sql_po_lead_tm <= 20.0 THEN round
(@OneMonthUsage * .90, 0)
ELSE round((@OneMonthUsage * 1.50) +
(iminvloc_sql_po_lead_tm * (@OneMonthUsage / 30.0)), 0)
END
                    
```

Order Up To calculation formula

```

CASE WHEN @OneMonthUsage <=0 then 0
WHEN @OneMonthUsage between .33 AND .5 THEN 0
WHEN iminvloc_sql_po_lead_tm <= 20 THEN
round(@OneMonthUsage * 1.25, 0) ELSE
round((@OneMonthUsage * 1.55) + (minvloc_sql_po_lead_tm *
(@OneMonthUsage / 30.0)), 0)
END
                    
```

Safety Stock calculation formula

```
@OneMonthUsage
```

Criteria for selecting item / location records to update

Base Calculations For Reorder Levels

Last 3 month Usage Sample

Last 6 Month Usage Sample

Last 12 Month Usage Sample

Item Location Exemptions

Drag a column header here to group by that column

Item Number	Description 1	Description 2	Location	reorder_lvl	ord_up_to_lvl

Base Calculations For Lead Time

Last 6 month Usage Sample

Last 12 Month Usage Sample

Last 24 Month Usage Sample

Demand Planner Settings

Enable Demand Planner Integration

Export Exception List to Excel
Manage Lead Time Exceptions
Remove

OK
Cancel
Save and Share...

For more information or a demonstration, call (513) 723-8091

Leahy Consulting is an independent ERP consulting company with almost 30 years of experience working with and optimizing Macola® ERP systems. Leahy Consulting is not associated with the ECi/Macola® Software.

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Developer of Pulse Dashboard software