View Your MRP Data Efficiently for Global Manufacturing Plants

Mei Deng

Smith International, Inc

Agenda

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- MRP Summary
- Resource Horizontal Capacity
- Resource Requirement Detail
- MRP Material Requirement
- MRP Pegging information
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Background

- Smith International, Inc as a leading worldwide supplier of premium products and services to the oil and gas exploration and production industry.

- Smith Services is a business unit of Smith International with 3 manufacturing plants in US, Asia and Middle East.

- MRP is the primary material planning method for each plant.

Background

- MRP is local to each organization.
- Data retrieving process is slow.
- Cannot view the resource or material data for more than 30 records at one time.
- Runaway session during data retrieving.
- Need to present the data more openly
- Need to group the data
- Need to save data to Excel

MRP Summary

- Goal: Overall sales order and forecast, planned order and scheduled hours for each plant

- Web report are a bulletin board publishing summary data every day.

- Organization as parameter. Easy to switch among the plants.

- Can save to Excel for further analysis.

Resource Horizontal Capacity

- Oracle Data Screen: Horizontal Capacity Plan in Oracle MRP.

- Oracle dynamically extract horizontal capacity plan for the resource chosen in the previous screen.

- Customized Program: Data extract after MRP Run for active resources.

- Reporting Services: Report the horizontal plan extract.

Resource Requirement Detail

- Oracle Data Screen: Resource Requirement in Oracle MRP.

- Oracle stores the information in one view.

- Reporting Services: Create query based on the resource load view in Oracle.

- Run the web report for every organization, department and resource.

Material Requirement Data

- Oracle Data Screen: Horizontal Material Plan and Enterprise View.

- Oracle dynamically extract horizontal and enterprise plan for the items chosen in the previous screen.

- Customized Program: Data extract after MRP Run for all items planned by MRP.

- Reporting Services: Report the horizontal and enterprise plan extract.

MRP Pegging Information

- Oracle Data Screen: Object Navigator.

- Oracle stores the information in one view MRP_FULL_PEGGING.

- Reporting Services: Create query based pegging view joining 9 levels.

- Run the web report for every organization.

- Parameters: category, sales order number, end item, demand date.

Sales Order Pick Available

- Existing web reports on sales order line awaiting shipping.

- Add pegging source, order number and pegged quantity.

- Use this report to trace down the bottleneck.

- If run report for onhand pegging only, it shows the sales order lines ready for pick release.

Conclusion

- Mfg to monitor capacity load on resources
- Purchasing to spot material supply problem
- Pegging critical for all parties to work together to meet customer demands
- Combine OM reports with pegging to help customer service decide what to ship