

Lesson Objectives



Objectives -On successful completion of this training module, you should have:

 Understood the basics of how SAP PP Module Integrated with other logistic modules

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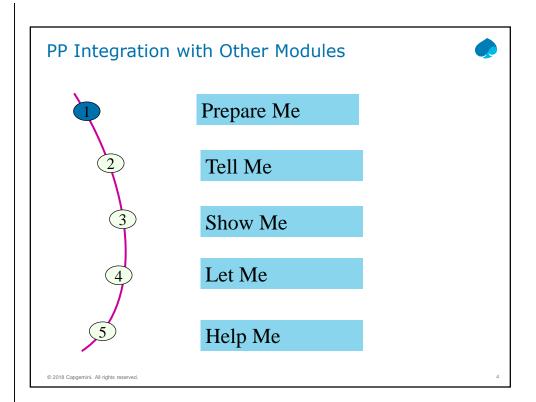
Training Agenda

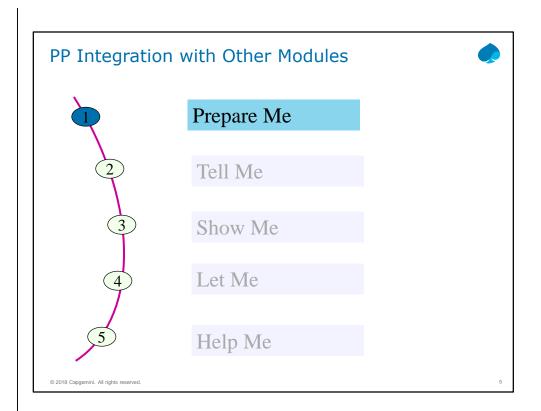


- SAP PP Integrated with other logistic modules
- Logistics Process Flow
- SAP PP-QM Integration
- SAP PP-MM Integration
- SAP PP-SD Integration
- Cross Functional Transactional Codes

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Add instructor notes here.

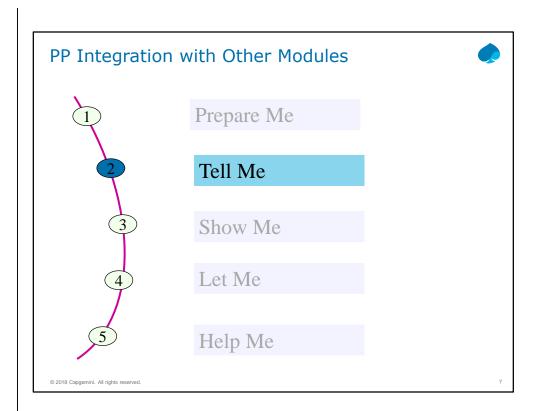


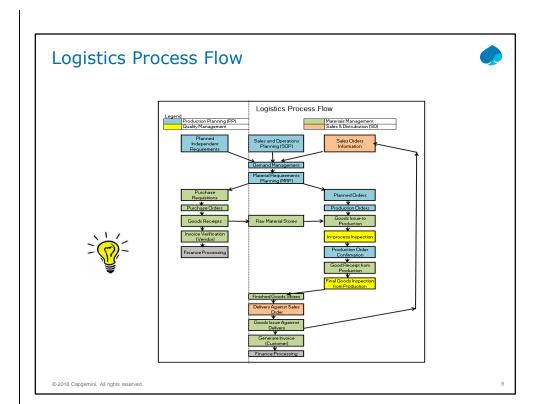


Prepare Me



- SAP PP integrated with other logistics modules like
 - Quality Management (QM)
 - Materials Management (MM)
 - Sales and Distribution (SD)
- SAP PP Integration with Controlling (CO) modules is separately covered in other session
- SAP PP also integrated with Plant Maintenance (PM) and Project Systems (PS)
- Cross module integration is maintained as customization data and master data in related modules
- Some transactions will automatically update transactional data in different cross module objects.







SAP PP-QM Integration

Integration Points: In-process Inspection

- Inspection specifications are maintained in material routing (PP Master Data) and inspection type "03" activated in material master
- In-process Inspection lot is created for each production order while releasing it
- Inspection observations, test results are stored in inspection lot
- Inspection observations, test results can be collected against various field combinations
- The field combinations can be day, shift number, operator number, machine number, bin number etc
- Quality department can restrict some of production functions if actual test results are out of specifications
- Goods movements cannot be controlled via in-process inspection lots
- After all test results are completed usage decision is made for the inspection lot



SAP PP-QM Integration

Integration Points: Final Inspection From production

- Inspection specifications are maintained in inspection plan(QM Master Data) and inspection type "04" activated in material master
- In-process Inspection lot is created for each production order during goods receipt
- Inspection observations, test results are stored in inspection lot
- Inspection observations, test results can be collected against various field combinations
- The field combinations can be day, shift number, operator number, machine number, bin number, sample number etc
- Quality department can restrict material movements (like move to blocked stock) if actual test results are out of specifications
- Goods movements can be controlled via these inspection lots
- After all test results are completed usage decision is made for the inspection lot



SAP PP-MM Integration

Integration Points: Procurement

- Procurement related master data maintained in material master (MRP2)
- Purchase Requisitions (Request to procure materials or services) are created by MRP or manually
- Planned orders can also be converted to purchase requisitions
- External operations in routing are integrated with procurement
- Lot size procedure integrated with procurement
- Sub contracting process is integrated with PP
- Consignment process is integrated with PP



SAP PP-MM Integration

Integration Points: Goods Issue to Production

- Components required for production order are issued from inventory
- Material Reservations are created for production order components
- Goods issue can be executed manual or automatic.
- Partial goods issues also can be performed
- Goods issue can be executed against single or multiple production orders at a time
- Material documents generated for all goods issues
- A material document can contain multiple goods issue line items
- Additional components can be issued to production order manually
- Batch determination of production order components is integrated with inventory management
- Movement type for goods issue from inventory to production order is "261"
- Back-flushing (Transaction MFBF) can be used for goods issue in some cases.

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SAP PP-MM Integration

Integration Points: Goods Receipts from Production

- Goods receipts are performed final products from production to inventory
- Goods receipts can be manual or automatics
- Goods receipts can be executed against single or multiple production orders at a time
- Material documents generated for all goods receipts
- A material document can contain multiple goods receipts line items
- \blacksquare Movement type for goods issue from production order to inventory is "101"
- Back-flushing (Transaction MFBF) can be used for goods receipt some cases.
- If quality inspection for final inspection from production is active for the final product, material can be moved to blocked stock instead of un-restricted stock

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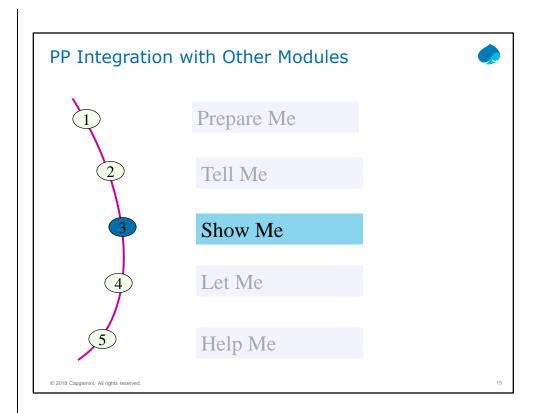


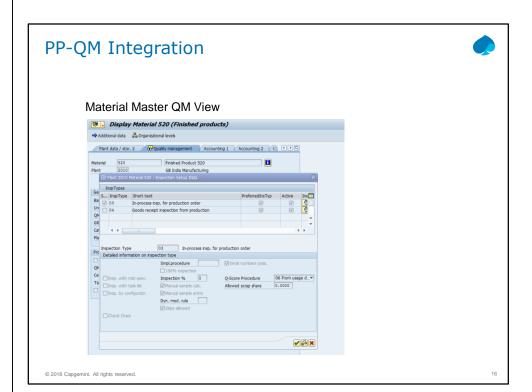
SAP PP-SD Integration

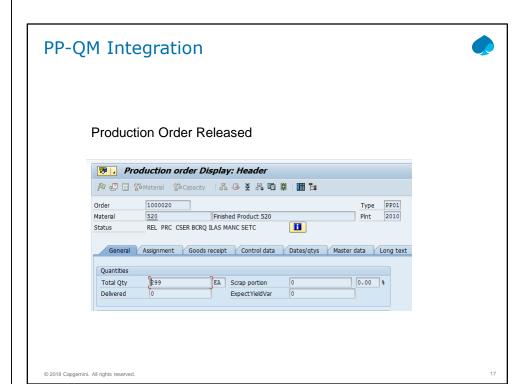
Integration Points:

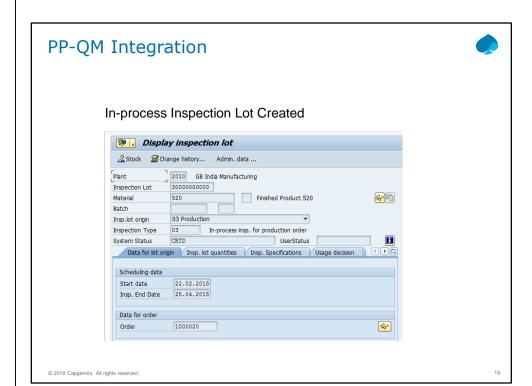
- Creation of sales order & sales requirements impacts material requirements planning
- Delivery against sales order impacts material requirements planning
- In make to order production (MTO), production order is created with reference to sales order
- Material availability check can be performed against sales orders
- Specifications from sales orders are transferred to production in case of variant configuration products
- In case MTO planning strategies without final assembly, sales order creation impacts planned order to production order conversion.

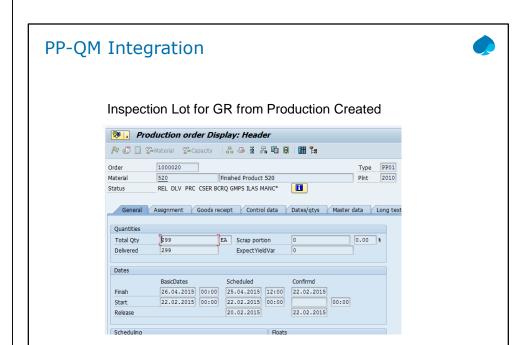
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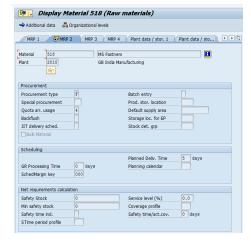


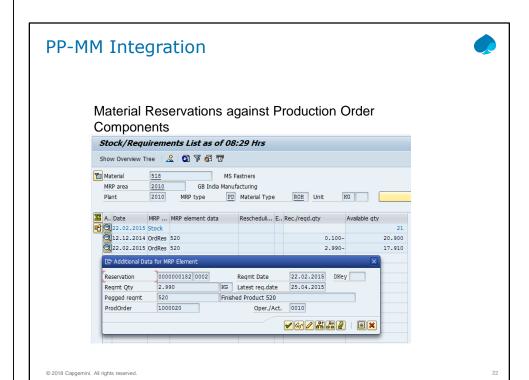


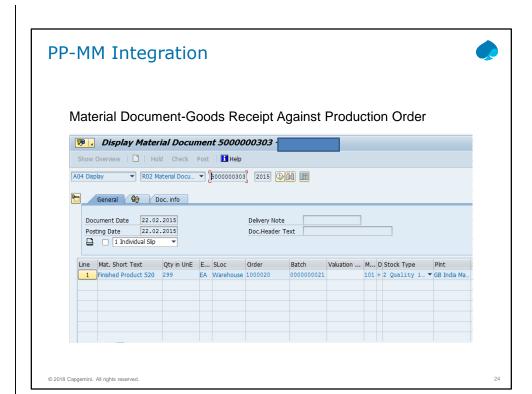
PP-MM Integration



Procurement Data in Material Master



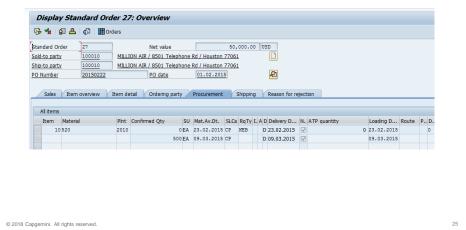




PP-SD Integration



Sales Order for Make To Order Production



PP-SD Integration Production Order for Make To Order Production Production order Display: Header Order 1000021 Type PP01 Material 520 Fnished Product 520 Pint 2010 Status CRTD PRC CSER BCRQ MANC SETC III III General Assignment Goods receipt Control data Dates/qtys Master data Long text Administration

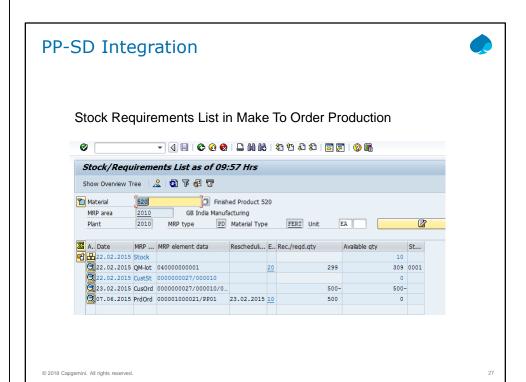
 Sales Order
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 10
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Sales Order

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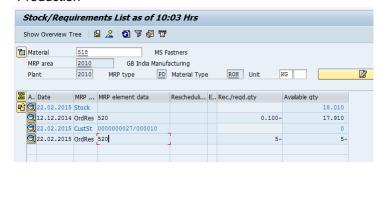
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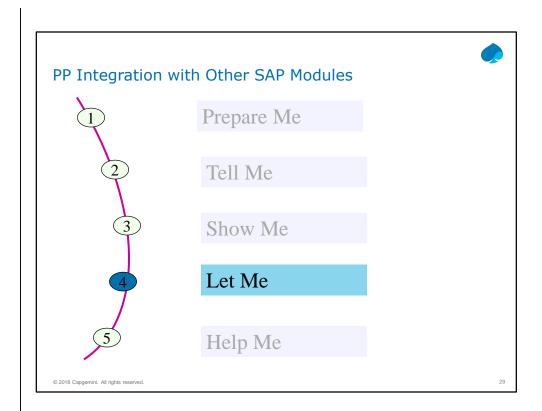
PP-SD Integration



Stock Requirements List of Components in Make To Order Production



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Let Me SAP PP-QM Integration

- MM02-Activate In-process Inspection Type "03"
- •MM03-Activate GR from Production Inspection Type "04"
- CO01-Create Production Order
- CO02-Release Production Order
- QA33-Display In-process Inspection Lot type "03"
- MIGO-Perform Goods Receipt for Production Order
- QA33-Display GR from Production Inspection Lot type "04"



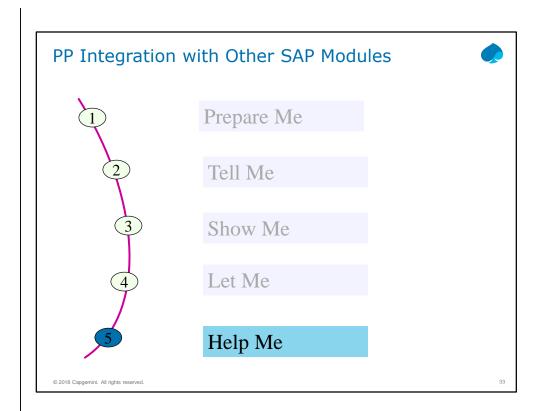
Let Me SAP PP-MM Integration

- MM02-Activate Procurement Data in MRP2 view
- CO01- Create Production Order
- CO02-Release Production Order
- MD04- Display Reservations for Components
- MIGO-Goods Issue for Production Order-Movement Type-261
- MIGO-Display Goods Issue Document
- CK11N-Confirm Production Order
- MIGO-Goods Receipt for Production Order-Movement Type-101
- MIGO-Display Goods Receipt Document



Let Me SAP PP-SD Integration

- MM02-Activate Sales Data in Sales Views
- VA01-Create Standard Sales Order with Requirement Type Make to Stock
- CO08- Create Production Order with reference to above Sales Order
- CO03-Release Production Order
- MD04- Display Stock & Requirements List





Cross Functional Transaction Codes

- MM02-Activate Data in Sales Views
- MM02-Activate Inspection Type "03" and "04" in Quality Management View
- QP03- Display Inspection Plan
- QA03-Display Inspection Lot
- QA33-Display Quality Management Work List
- MMBE-Stock Overview
- ME51N-Create Purchase Requisition
- ME21N- Create Purchase Order
- MIGO-Goods Movements (All Types)
- MB51- Material Documents List
- VA01- Create Sales Order