Utilize SAP EWM to Conquer your Freight Shipping Challenges

Neil Patel, Managing Partner Supply Chain Execution, MSCG
Wesley Marion Sr., Director Presales Solution Engineering, MSCG
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About the Speakers

**Neil Patel**
- Managing Partner
- My Supply Chain Group
- 13+ years of SAP Supply Chain, Warehousing, Distribution and Fulfillment experience with WM & EWM
- 1st Certified EWM Consultant in North America

**Wesley Marion Sr.**
- Director, Solution Engineering
- My Supply Chain Group
- 6+ years of SAP Supply Chain, Warehousing, Distribution and Fulfillment experience with EWM
- Prior PGA Golf Professional
Key Outcomes/Objectives

1. Gain a better understanding of the challenges faced by today’s warehousing and distribution operations related to freight shipment and scheduling of dock appointments.

2. Understand how to properly utilize the Shipping Cockpit in SAP Extended Warehouse Management to accurately plan Outbound Delivery Orders with correct transportation units, monitor warehouse progress for transportation units and execute work.

3. Learn how to efficiently schedule loading appointments at your warehouse or distribution center with SAP Extended Warehouse Management’s Dock Appointment Scheduling tool.
Agenda

- My Supply Chain Group Introduction
- Common Struggles and Challenges
- SAP EWM Outbound Processes for Freight
- SAP EWM Shipping Cockpit
- SAP EWM Dock Appointment Scheduling
- EWM Integration: Shipping Cockpit & DAS
MSCG // My Supply Chain Group

Company Background, Core Competencies & SAP Practice

MSCG SAP Practice
- Founded in 2008
- Head-office in USA
- Subsidiaries in Canada & Mexico
- 50+ Clients
- 100+ SCE/SCM Consultants

Key SAP Solution Areas
- Supply Chain Execution
  - S/4 embedded EWM & CORE EWM
  - S/4 embedded TM & CORE TM
- Supply Chain Planning
  - SAP SCM - IBP & APO

Services Offered
- Supply Chain Strategy & Roadmap
- Process Re-engineering & Optimization
- Organizational Change Management
- Assessments & Diagnostics
- Implementation Rollouts
- Application Maintenance (AMS)

Industry Expertise
- Wholesale, CPG, Retail & ecommerce
- Aerospace & Defense
- Oil & Gas, Chemicals
- Life Sciences, Pharma, Bio Med
- Manufacturing, Hi Tech
- Omni-Channel

“MSCG’s combined strength with SAP EWM, YL, TM, IBP and APO allow us to compete completely in the SAP Supply Chain space without any compromise” Neil Patel
Freight Shipping Struggles and Challenges

- Time consuming processes to manually create system vehicles and/or trailers for freight shipments with accurate dates, times, route and other relevant shipping information to plan and execute work.
- Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
- No central location to obtain an overview and status for trucks/trailers of the work associated in the warehouse or distribution center.
SAP EWM Outbound Processes for Freight

Challenge: Time consuming processes to manually create system vehicles and/or trailers for freight shipments with accurate dates, times, route and other relevant shipping information to plan and execute work.

EWM Solution: Transportation Units

Configuration
- Control Parameters for TU Creation
- TU Profiles w/ Access Sequence

System Settings
- Staging Area and Door Determination w/ Access Sequence
- TU Profile Determination

System Program
- Auto Planning of TU-DLV Assignments
SAP EWM Shipping Cockpit: Planning

Search Criteria
- Time Period
- Transportation Info
- EWM Delivery info
- Additional Info

Saving Searches
- Save Search Criteria
- Default Saved Searched
- Auto Run Default
- Auto Collapse Criteria

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
SAP EWM Shipping Cockpit: Planning

Deliveries
- Unplanned Deliveries
- Display Info from Settings
- Assign Delivery to TU

Create TU & Assignment
- External TU ID
- Available Carrier Info
- Default Information
- Set Dates & Times

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
SAP EWM Shipping Cockpit: Planning

Capacity Overview
- Integration with DAS
- Planned arrival times
- Loading Point Usage
- Slot Overbooked
- Slot In Requested Range

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
SAP EWM Shipping Cockpit: Planning

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.

Staging Area Planning
- Two different displays
  - Table
  - Graphical
- Configuration to Display
- Blocked Slot from TU Time
SAP EWM Shipping Cockpit: Planning

Transportation Units
- Unassign Deliveries
- Create TU
- Change TU
- Delete TU
- Assign Staging Area
- Assign Door
- Create Wave

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
SAP EWM Dock Appointment Scheduling

**Challenge:** Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.

**Search Appointments**
- Save Search Criteria
- Run Searches
  - At Opening
  - At Selection
  - Manually
- Set Filters
- Appointment Selection
SAP EWM Dock Appointment Scheduling

Maintain Appointment
• Update Provisional Appoint.
• Capacity Overview
  • Integrated
  • Carrier Information

Other DAS Capabilities
• Planning vehicle arrival for workload balancing
• Planning for Carrier
  • Carrier Portal
  • Standalone
• Integrated with EWM

Challenge: Poor visibility of orders or work that have freight shipping requirements against the physical restraints of the dock in your warehouse or distribution center.
SAP EWM Shipping Cockpit: Execution

**Challenge:** No central location to obtain an overview and status for trucks/trailers of the work associated in the warehouse or distribution center.

**Settings**
- Warehouse Number
- Shipping Office
- Weight Unit
- Volume Unit
- Document Hierarchy

**Search Criteria**
- Time Period
- Transportation Info
- EWM Delivery info
- Additional Info
SAP EWM Shipping Cockpit: Execution

Actions

- Change TU
- Assign/Unassign Door
- Assign Staging Area
- Create Wave
- Unassign Delivery
- Arrival at Checkpoint
- Arrival at Door
- Start Loading
- Change Seals
- Request Invoice
- Close TU
- Departure from Door
- Post GI
- Departure from Checkpoint

Challenge: No central location to obtain an overview and status for trucks/trailers of the work associated in the warehouse or distribution center.
EWM Integration: Shipping Cockpit & DAS

Appointments Originating in SAP Dock Appointment Scheduling

SAP DAS
- Create Loading Appointment
- Confirm TU Arrival
- Update Status of Appointment
- Depart from Checkpoint

SAP EWM
- TU Activity Updated
- Assign Deliveries to TU
- Arrive TU at Door
- Assign TU to Door
- Load or Unload TU
- Depart TU
- Update Status of Appointment

Legend
- Carrier
- WHS
- Ship Cockpit
- System
EWM Integration: Shipping Cockpit & DAS

Appointments Originating in SAP Extended Warehouse Management

SAP EWM

- Outbound Delivery Order Create
- Create TU for Common Shipments
- Assign Staging Area Assignment for TU
- Plan TU Arrival Time for Staging Capacity
- Update Status of TU
- Arrive TU at Door
- Load/Unload TU
- Departure from Door & Checkpoint

SAP DAS

- Creates Provisional Appointment
- Update Status of Appointment
- Update Status of Appointment

Legend

- WHS
- Ship Cockpit
- System
SAP EWM Shipping Cockpit: Jumpstart!

Added Functionality
- BAdI Utilization
  - Customer API
- Wave Release
  - Release by Wave Temp
SAP EWM Shipping Cockpit: Jumpstart!

Added Functionality
- BAdI Utilization
- Wave Release
  - Release by Wave Temp
- SAP API Management
EWM Jumpstarts – Best Practice Differentiators

MSCG Jumpstart is a proprietary set of custom SAP EWM objects, developed by MSCG, that provide enhanced functionality to Standard EWM processes. The Jumpstart offerings are tried, tested and deployed in live warehouse locations running SAP EWM today.

Every business is unique. Our Jumpstarts help reduce the time & cost required to implement as 60-80% of the development is already done ahead of localization.

Available Jumpstarts

- Cubiscan – GUI transaction and Fiori App
  Direct EWM integration to Cubiscan
- IBGI and pack-slips
  Comprehensive document printing solution for the warehouse
- Cartonization and Cart Picking
  Calculate exact shipping box sizes at Warehouse Order Creation
- Wave Simulation
  Check for product shortages and trigger replenishments needs
- Automatic Pack-spec Creation
  Pack-spec creation can be triggered from a new product CIF
- HU Audit
  Custom transaction (RF and GUI) for verify quantities after picking
- Consolidation Monitor & RF
  Monitor and consolidate multiple boxes for shipments
- Product Master: Default values (CIF)
  Automatically create Warehouse Data from Product Attributes
- Fiori environment Enablement steps
  Documented list of steps that a new customer can follow
- Receiving – Fiori App
  Simplified transaction to reduce receiving time
- Shuttle transfer between Warehouses using DODOs
  Simplified process to transfer stock between 2 warehouse in a plant
- Pallet Move
  Simplified HU move transaction to reduce complexity with open WTs
- Simplified Task – Interleaving
  Enable interleaving with decreased data requirements and complexity
- Voice Pick Utilities
  Enhanced loading for PBV verification and QR Code password creation

Upcoming Jumpstarts

- EGF Warehouse Reports: Monitor warehouse productivity with graphical reports
- Auto Resource to Resource Transfer: Allow users to complete unfinished work without interference
- High Volume Outbound Picking: Streamlined repetitive picking process
- Fiori App for HU Audit: Custom Fiori application for MSCG HU Audit process
- Small Parcel Shipping: Simple small parcel carrier integration through EWM packing
- Standalone Warehouse & 3PL: Pre-built EWM warehouse for standalone or 3PL use
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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

http://info.asug.com/2019-ac-slides
Q&A

For questions after this session, contact us at
wmarion@mysupplychaingroup.com and npatel@mysupplychaingroup.com
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