

# Utilize SAP EWM to Conquer your Freight Shipping Challenges

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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
- 1<sup>st</sup> 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.
- 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 SAPEWM, 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

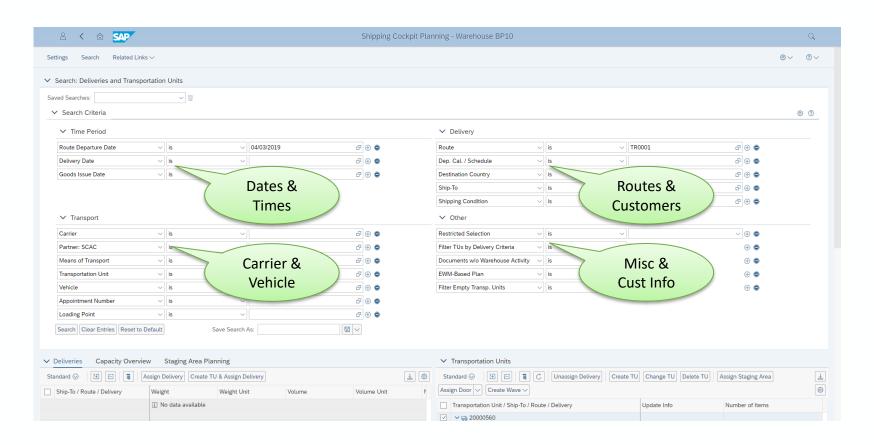


#### Search Criteria

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

#### **Saving Searches**

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



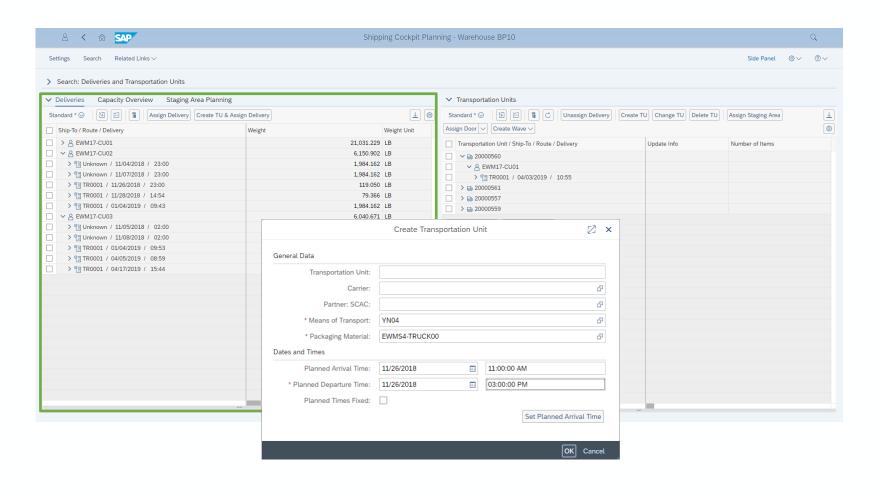


#### **Deliveries**

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

#### Create TU & Assignment

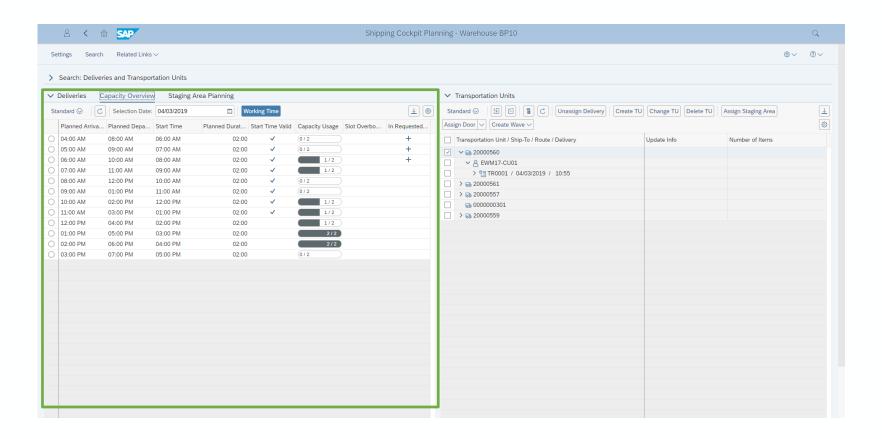
- External TU ID
- Available Carrier Info
- Default Information
- Set Dates & Times





#### **Capacity Overview**

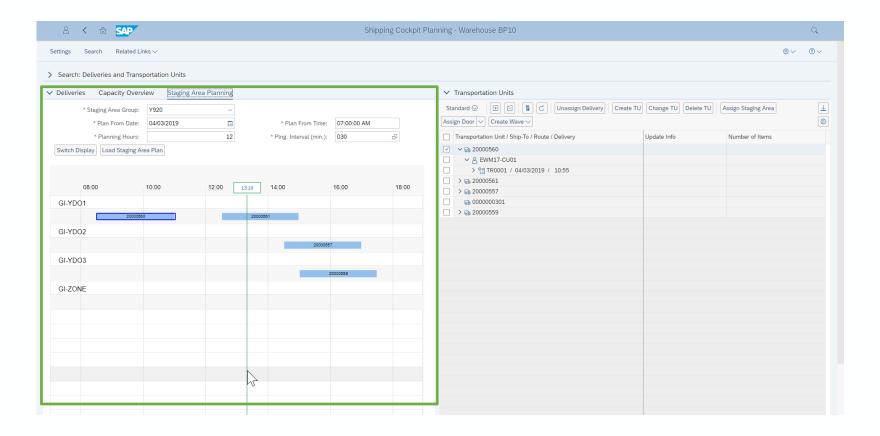
- Integration with DAS
- Planned arrival times
- Loading Point Usage
- Slot Overbooked
- Slot In Requested Range





#### **Staging Area Planning**

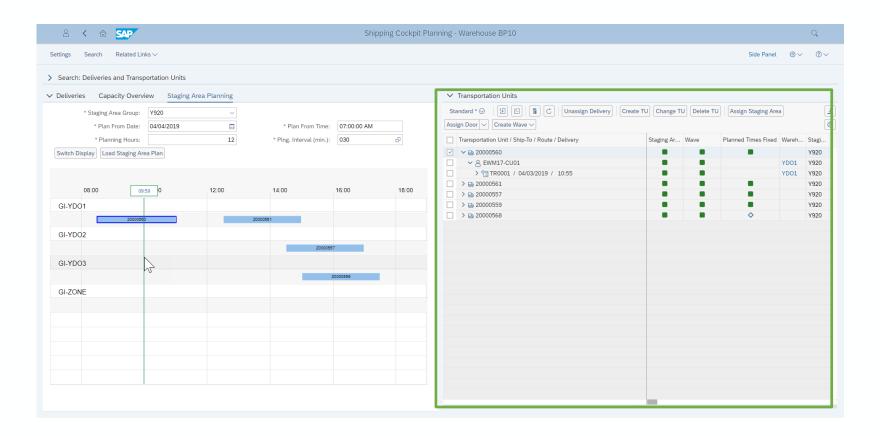
- Two different displays
  - Table
  - Graphical
- Configuration to Display
- Blocked Slot from TU Time





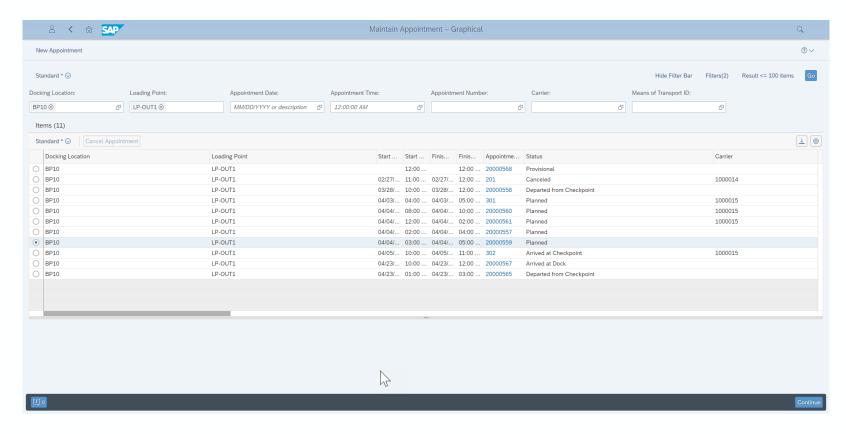
#### **Transportation Units**

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





## SAP EWM Dock Appointment Scheduling

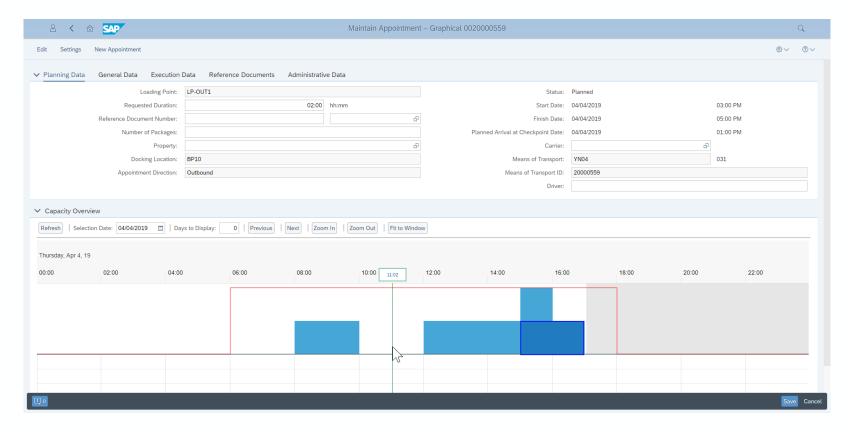


#### **Search Appointments**

- 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



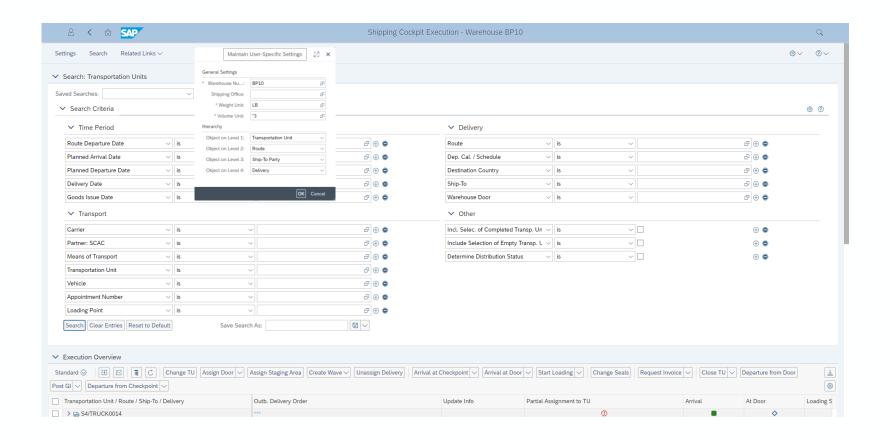
### SAP EWM Shipping Cockpit: Execution

#### Settings

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

#### Search Criteria

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



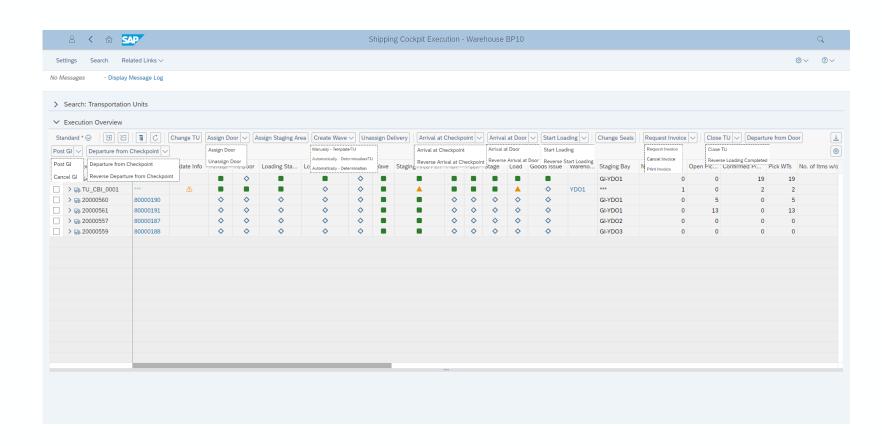
**Challenge:** No central location to obtain an overview and status for trucks/trailers of the work associated in the warehouse or distribution center.



### 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

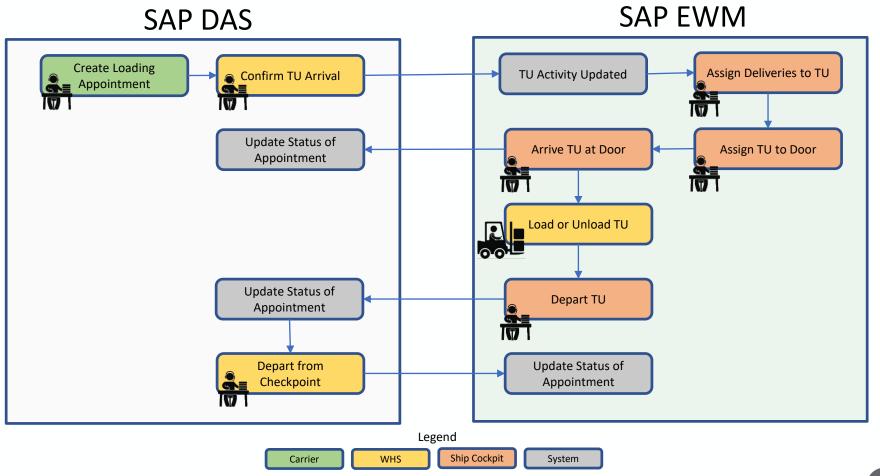


**Challenge:** No central location to obtain an overview and status for trucks/trailers of the work associated in the warehouse or distribution center.



### **EWM Integration: Shipping Cockpit & DAS**

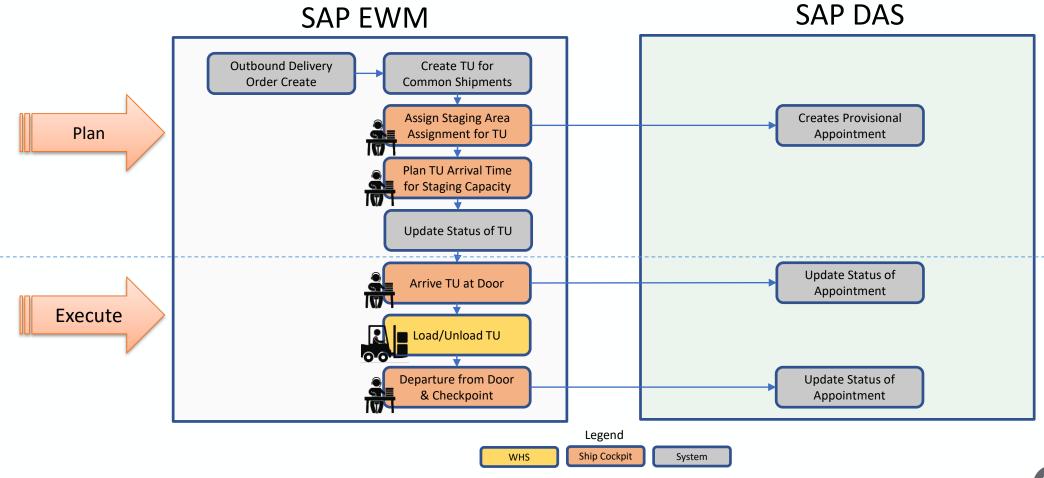
**Appointments Originating in SAP Dock Appointment Scheduling** 





### **EWM Integration: Shipping Cockpit & DAS**

**Appointments Originating in SAP Extended Warehouse Management** 

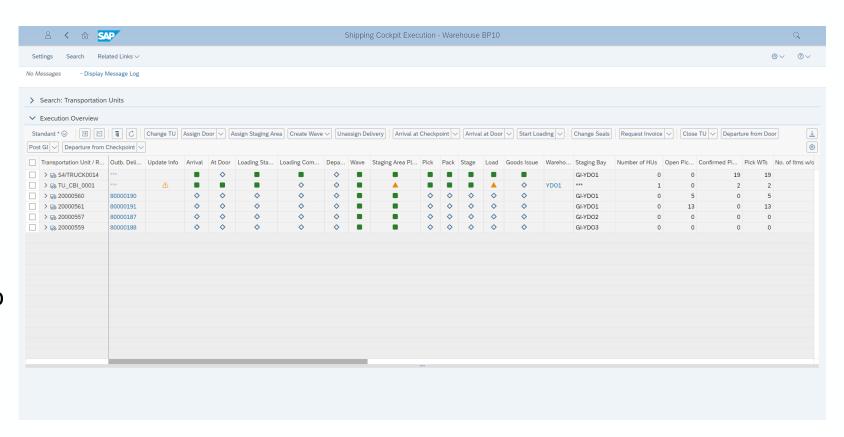




### SAP EWM Shipping Cockpit: Jumpstart!

#### Added Functionality

- BAdI Utilization
  - Customer API
- Wave Release
  - Release by Wave Temp

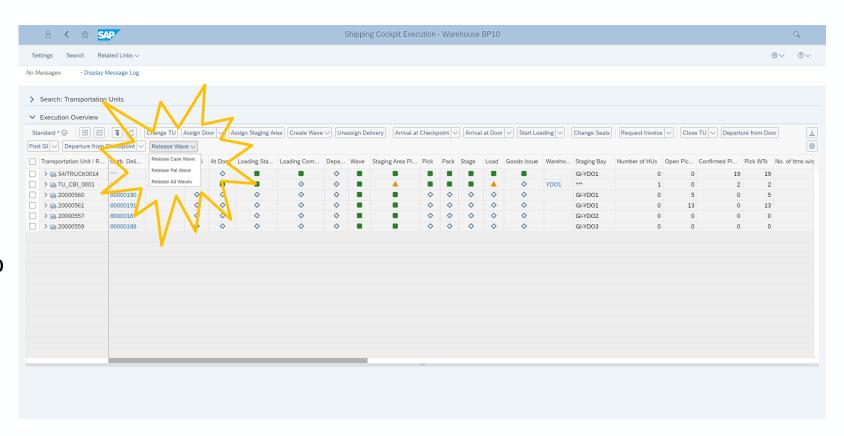




### SAP EWM Shipping Cockpit: Jumpstart!

#### 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

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