TRANSPORTATION MANAGEMENT

- END TO END -

INTRA & INTER MISSION TRANSFER

Transportation Planning and Management and Track & Trace
(TPTM – T&T project –Phase II)

Bryan Barrachina

UCS Training Team

Friday, October 18, 2019
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OFFICE OF SUPPLY CHAIN MANAGEMENT
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Main purpose of this presentation is:

• **To identify** key differences between INTER and INTRA mission transfers when Managing Transportation in TM

• **To describe** the steps involved in STR/STO for INTRA & INTER mission transfers & the derivations in the TM system impacting the Receiving/Sending Plants at the Delivery Based Transfer Requirement, Freight Unit and Freight Order Level

• **To understand** key TM Processes impacted by INTRA & INTER Mission Transfers:
  - Manage Transportation of INTRA & INTER Mission Transfers
  - Manage Freight Orders generated from Transportation Planning of Intra & Inter Mission Transfers
  - Manage Events
STR/STO – ROLES AND RESPONSIBILITIES in TM

- TS.01: Planner and Execution (UNOE-Goods PO/COE/TROOPS)
- TS.02: Freight Procurement (UNOE Goods PO/COE/TROOPS)
- TS.03: TM Display All (UNOE Goods PO/COE/TROOPS)
- TS.04: TM Master Data
- TS.05: CCP Role for Vendor and Freight Forwarder Contacts
- TS.06: TM Production Support Role
- TS.07: TM STO Transportation Planner
- **TS.08: TM STO Freight Procurement**
- TS.09: TM STO Display All

Introduced for STOs
STR/STO – ROLES AND RESPONSIBILITIES in TM

STOCK TRANSFER WITHIN MISSION/PLANT

One-Step Transfer – Physical Proximity *(Same Fund / Funds Center)*

Two-Steps Transfer – Short Distance *(Same Fund / Funds Center)*

ZINT - Intra-mission STO – Track Shipment *(Same Fund / Funds Center)*

STOCK TRANSFER BETWEEN DIFFERENT MISSIONS/PLANTS

Between Missions Non-Budget Relevant & UN Reserve Stock *(ZNBD)*

Between Missions Budget Relevant *(ZBUD)*

From Strategic Deployment Stock *(ZSDS)*
**PROCURE**

**INTER / INTRA Transfers**
- DAP / EXW / FCA

**Umoja System**
- Create STR
- Certifying Offic.
- Approve STR

**GSCC/LSCC**
- Create STO
- Approver
- Approve STO

**Logistics User**
- Create Out. Delivery
- Warehouse Sen. User
- Picking
- Warehouse User
- Confirm TO
- Ws.Sen/Log User
- PACK
- Eq.Mast.Data.Maint
- Update Eq
- Logistics User
- Post Gl

**PLAN**

**INTER Mission Transfers**
- DAP / EXW / FCA

**Umoja System**
- Create DTR
- Create Freight Unit

**TS.07 TM Plnr**
- Select FU(s) in TM Cockpit

**EXECUTE & MONITOR**

**CARRIER**
- DAP / EXW / FCA

**TS.05 CCP**
- Upload Attachments
- Update Events

**TS.07 TM**
- Approver Proc.
- Update Events
- Upload Attachments

**TS.08 Freight**
- Approver
- Select Carrier & PO to FO
- Edit FO(s) with Routes, Dates, Charges

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INTER & INTRA DAP, EXW & FCA Incoterms scenarios, need to be planned by the STO TM Planner (TS.07).

Freight Units linked to the Planning & Execution Group of the Receiving or Shipping Plants in TM appear in the Transportation Cockpit:

- The TM Planner chooses the type of Profile to view and Layout Settings in the Planning Profile screen
- Or selects the Profile and Layout Set defaulted according to role to view the FUs by Incoterm (DAP, EXW and non-DAP/EXW)
The TS.07 combines FUs according to Origin, Destination and Delivery Dates. A 7 day date range is considered when combining of FUs. Anything beyond that will result in a non-possible combination.

For DAP and FCA scenarios, the **Shipping Plant**’s TS.07 manages the FUs and plans transportation proposals from origin to destination.

For EXW scenarios, the **Receiving Plant**’s TS.07 manages the FUs and plans transportation proposals from origin to destination.

For DAP, FCA and EXW scenarios the **Receiving Plant**’s TS.07 manages the FUs and plans transportation proposals from origin to destination.
ISSUING PLANT [IP] → Stock Transfer (STO) → RECEIVING PLANT [RP]

DAP SCENARIO

TS.07 TM Plnr
Select FU(s) in TM Cockpit

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INTER MISSION – PLANNING - **EXW SCENARIO**

**TS.07 TM Plnr**
Select FU(s) in TM Cockpit

**T M**

**Issuing Plant [IP]**

**Stock Transfer (STO)**

**Receiving Plant [RP]**

**EXW SCENARIO**

**Issuing Plant [IP]**

**Receiving Plant [RP]**

**Plans Transportation**

**TS.07 TM STO Transportation Planner**
Manages Transportation of Freight Units

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INTER MISSION – PLANNING - FCA SCENARIO

Issuing Plant [IP] Stock Transfer (STO) Receiving Plant [RP]

Plans Transportation

Issuing Plant [IP] Receiving Plant [RP]

TS.07 TM StO Transportation Planner
Manages Transportation of Freight Units

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INTRA MISSION – PLANNING – DAP

Select FU(s) in TM Cockpit

Plant Location → Stock Transfer (STO) → Plant

DAP SCENARIO

TS.07 TM STO Transportation Planner
Manages Transportation of Freight Units

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**PROCURE**

INTER / INTRA Transfers
- DAP / EXW / FCA

- LSCC
  - Create STR
- Certifying Offic.
  - Approve STR

- GCC/LSC
  - Create STO
  - Approver
  - Approve STO

- Logistics User
  - Create Out. Delivery
  - Picking
  - Warehouse Sen.User
  - Confirm TO
  - Warehouse User
  - PACK
  - Eq.Mast.Data.Maint
  - Update Eq
  - Logistics User
  - Post Gl

**PLAN**

INTER Mission
- Transfers
- DAP
- Umoja System
  - Create DTR
- Umoja System
  - Create Freight Unit
- TS.07 TM Plnr
  - Select FU(s) in TM Cockpit
- TS.07 TM Plnr
  - Select Best TM Proposal
- Umoja System
  - Generate TM Proposals
- Umoja System
  - Calculate Charge Estimate
- Umoja System
  - Create FO(s) FFW Stage
- TS.07 TM Plnr
  - Generate SOW

INTRA Mission
- Transfers
- DAP
- Umoja System
  - Create DTR
- Umoja System
  - Create Freight Unit
- TS.07 TM Plnr
  - Select FU(s) in TM Cockpit
- TS.07 TM Plnr
  - Select Best TM Proposal
- Umoja System
  - Generate TM Proposals
- Umoja System
  - Calculate Charge Estimate
- Umoja System
  - Create FO(s) FFW Stage
- TS.07 TM Plnr
  - Generate SOW

**PROCURE FREIGHT**

- DAP / EXW / FCA

- Umoja System
  - Create DTR
- Umoja System
  - Create Freight Unit
- TS.07 TM Plnr
  - Select FU(s) in TM Cockpit
- TS.07 TM Plnr
  - Select Best TM Proposal
- Umoja System
  - Generate TM Proposals
- Umoja System
  - Calculate Charge Estimate
- Umoja System
  - Create FO(s) FFW Stage
- TS.07 TM Plnr
  - Generate SOW

**EXECUTE & MONITOR**

CARRIER

- DAP / EXW / FCA

- Ship. Plant
  - DAP / FCA
- Rec. Plant
  - EXW

- INTRA Mission
  - Transfers
  - DAP
  - Umoja System
    - Create DTR
  - Umoja System
    - Create Freight Unit
  - TS.07 TM Plnr
    - Select FU(s) in TM Cockpit
  - TS.07 TM Plnr
    - Select Best TM Proposal
  - Umoja System
    - Generate TM Proposals
  - Umoja System
    - Calculate Charge Estimate
  - Umoja System
    - Create FO(s) FFW Stage
  - TS.07 TM Plnr
    - Generate SOW

- INTER Mission
  - Transfers
  - DAP
  - Umoja System
    - Create DTR
  - Umoja System
    - Create Freight Unit
  - TS.07 TM Plnr
    - Select FU(s) in TM Cockpit
  - TS.07 TM Plnr
    - Select Best TM Proposal
  - Umoja System
    - Generate TM Proposals
  - Umoja System
    - Calculate Charge Estimate
  - Umoja System
    - Create FO(s) FFW Stage
  - TS.07 TM Plnr
    - Generate SOW
The **SOW** (Statement Of Work) is generated with the Freight Order creation and includes: The Outbound Delivery Number, STO document numbers as well as the Freight Orders generated from the transportation proposal. The **Packing details** as well as the selected Packaging Material/s and Handling Unit/s

The **Consignor** (Issuing Plant), **Consignee** (Receiving Plant) and **Delivery Address** (Storage Location of Receiving Plant)

---

**ANNEX-B**

*Please enter RFx number - xxxx>*

**Shipment of Stock Transfer Order:** 481000051  
**Outbound Delivery:** 80004012  
**Freight Order:** 6100028079, 6100028080, 6100028081

**STATEMENT OF WORK**

3. **CONSIGNOR**

   Part: 1  
   UNGSC  
   UNGSC - UN LOGISTICS BASE  
   1, PIAZZA DEL VENTO  
   BRINDISI, BR, 72100, ITALY

4. **CONSIGNEE, DELIVERY ADDRESS & NOTIFY PARTY**

   Part: 1  
   **CONSIGNEE**  
   UN MISSION IN DR OF THE CONGO  
   12 AVENUE DES AVIATEURS  
   KINSHASA GOMBE, KN, DEM. REP. CONGO

---

**NOTIFY PARTY**

**DELIVERY ADDRESS**  
MONUSCO LOGISTICS BASE  
AEROPORT DE KAVUMU. TERRITOIRE DE KABARE  
BUKAVU, SK., DEM. REP. CONGO

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TS.08 TM STO Freight Procurement
Manages and Executes Freight orders

TS.08 Freight Proc
Edit FU/FO(s) with Routes, Dates, Charges

INTER MISSION – Manage Freight Orders (DAP)

Issuing Plant [IP]  Stock Transfer (STO)  Receiving Plant [RP]

DAP SCENARIO

Manages all FOs From Point of Origin To UN Location

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INTER MISSION – Manage Freight Orders (EXW)

Issuing Plant [IP]  Stock Transfer (STO)  Receiving Plant [RP]

EXW SCENARIO

TS.08 TM STO Freight Proc
Edit FU/FO(s) with Routes, Dates, Charges

Manages and Executes Freight orders

TS.08 TM STO Freight Proc
Manages all FOs From Point of Origin to UN Location

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INTER MISSION – Manage Freight Orders (FCA)

**TS.08 Freight Proc**
- Edit FU/FO(s) with Routes, Dates, Charges

**FCA SCENARIO**
- Issuing Plant [IP]
- Stock Transfer (STO)
- Receiving Plant [RP]

**ISSUING PLANT**
- Manages FOs From Point of Origin to Hand-Over Location
- TS.08 TM STO Freight Procurement
  - Manages and Executes Freight orders

**RECEIVING PLANT**
- Hand-Over Location to UN Location
- TS.08 TM STO Freight Procurement
  - Manages and Executes Freight orders

**INTER MISSION – Manage Freight Orders (FCA)**

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INTRA MISSION – Manage Freight Orders (DAP)

Location in Plant → Stock Transfer (STO) → Plant

DAP SCENARIO

TS.08 Freight Proc
Edit FU/FO(s) with Routes, Dates, Charges

Manages all FOs from Issuing Location in Plant to Receiving Location in Plant

TS.08 TM STO Freight Procurement
Manages and Executes Freight orders
Carriers are provided with login credentials for the Umoja Carrier Collaboration Portal (CCP).

In CCP, Carriers will see the Freight Orders they are responsible for. They will be also able and responsible for submitting events related to those Stages and upload pertinent documentation as attachments:

- Examples of Events:
  - Planned: Loading Start/End, Departure, Arrival, etc.
  - Unexpected: Delay, Damage, etc.
- Examples of Attachments: Packing List, Bill of Lading, Proof of Delivery, etc.

The process of Submitting Events should be repeated for every Shipping Plant’s Freight Orders as well as Receiving Plant’s FOs until the Event “Proof Of Delivery” is submitted. The submission of this event will set the status of all the Freight Orders to Completed.

All Events/Attachments submitted via CCP are displayed in TM. In case the Carrier cannot connect to CCP, Umoja roles “TS.07 TM STO Transportation Planner” can update the related events/attachments directly in the TM module. These Events/Attachments are also displayed in CCP.

Once the first event is submitted, the FO execution status changes to “In Execution”. No changes in the route are further allowed.

In case of INTRA mission scenarios (only DAP incoterm), “TS.07 TM Planner” will update the related events/attachments directly in the TM module too.
INTER MISSION – Manage Events (DAP)

Issuing Plant [IP] → Stock Transfer (STO) → Receiving Plant [RP]

- Submits Expected and Unexpected Events in TM
- Manages Events in TM

TS.07 TM STO Transportation Planner

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INTER MISSION – Manage Events (EXW)

Issuing Plant [IP]  Stock Transfer (STO)  Receiving Plant [RP]

EXW SCENARIO

Issuing Plant [IP]  

FO RP Pre
FO RP Main
FO RP On

Receiving Plant [RP]  

Submits Expected and Unexpected Events in TM

TS.07 TM STO Transportation Planner Manages Events in TM
INTER MISSION – Manage Events (FCA)

INTER Mission Transfers Shipping Plant & Receiving Plant

TS.07 TM Plnr
Update Events

Issuing Plant [IP] Stock Transfer (STO) Receiving Plant [RP]

FCA SCENARIO

Issuing Plant [IP] FO Hand-Over FO
IP Pre RP Main

TS.07 TM STO Transportation Planner Manages Events in TM

FO
Submits Expected and Unexpected Events in TM for Accountable FOs

Receiving Plant [RP] FO
Submit Events for Accountable FOs
RP On

TS.07 TM STO Transportation Planner Manages Events in TM

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INTRA MISSION – Manage Events (DAP)

Location in Plant → Stock Transfer (STO) → Plant

DAP SCENARIO

INTRA Mission Transfers
Receiving Plant DAP

Location in Plant

TS.07 TM Plnr
Update Events

Location in Plant

FO
RP
Pre

FO
RP
Main

FO
RP
On

Submits Expected and Unexpected Events in TM

TS.07 TM STO Transportation Planner
Manages Events in TM

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THANK YOU!

Questions?