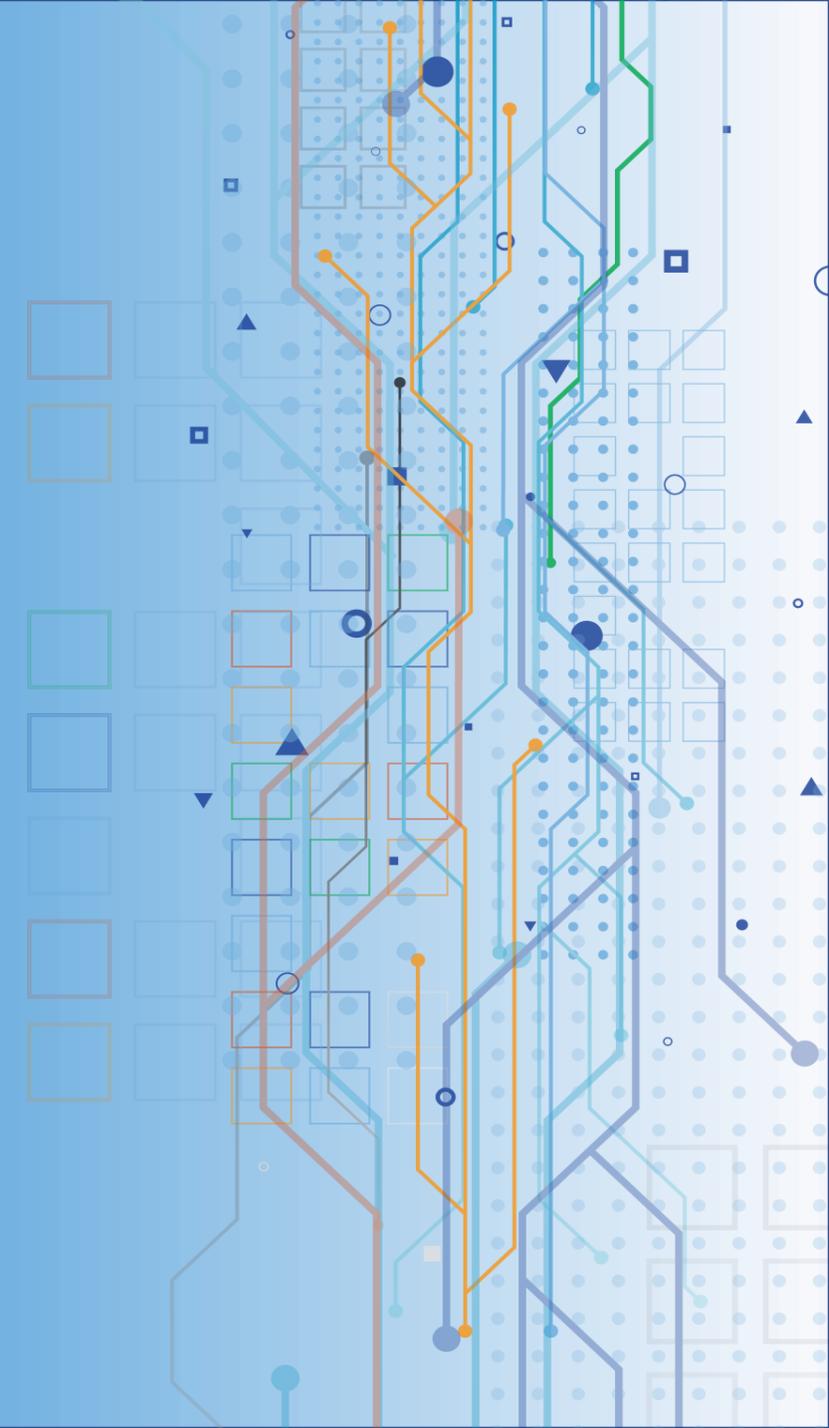




TROOPS TRANSPORTATION MANAGEMENT END TO END PROCES

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

December 2018



LOAD LIST

COE

Update Excel
Load List

OFFLINE

PLAN

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA

PROCURE FREIGHT

NON-LOA

EXECUTE & MONITOR

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA



Update Excel
Load List

OFFLINE

The following outputs from the “**Memorandum of Understanding**” (MOU) between the TCC and the United Nations will be used to initiate the Transportation processes:

- Passenger Flight Manifest**
- Cargo list** with the different baggage types: Cargo / Cabin

** It is important to point out that TM is not a “Travel Management system”, therefore only the information relevant for transportation purposes will be uploaded to TM.*

Main **differences** between Troops & COE:

- ✓ Different types of items within the Forwarding Order: **Chalks, Troops, Cabin baggage & Cargo baggage** (*however same Excel template*)
- ✓ The transportation is always “**Airport to Airport**” (*only one FO instead of pre, main, on carriage in COE*)
- ✓ Transportation could be “**Round Trip**” (*for a troops rotation scenario*)

TROOPS – LOAD LIST PHASE – UPDATE EXCEL LOAD LIST 2/7



Update Excel Load List

OFFLINE

- One unique Excel upload file is used to upload in TM the information related to:
 - a) Passenger Flight Manifest
 - b) Cargo Manifest for passengers
- Fields to be populated in the Excel Load List:

✓ **FWO Type:** ZFW2 (*for Troops*)

✓ **Service Level:** Priority of the transportation requirements:

Service Level Code	Service Level Description
01	Standard
02	Express
03	High Value

FWO Type	Service Level	Source Loc	Dest Loc	Pick-Up (From) Date	Pick-Up (From) Time	Delivery (To) Date	Delivery (To) Time	Product	Item_Type	Item
ZFW2	01	KATHMANDU_AIRPORT	JUBA_AIRPORT	10/22/2018	15:00:01	10/26/2018	16:00:00	CHALKS	ZCHS	PKG
ZFW2	01	KATHMANDU_AIRPORT	JUBA_AIRPORT	10/22/2018	15:00:01	10/26/2018	16:00:00	TROOPS	ZTRS	PRD
ZFW2	01	KATHMANDU_AIRPORT	JUBA_AIRPORT	10/22/2018	15:00:01	10/26/2018	16:00:00	BIGSIZE FLIGHT	ZTRS	PRD



Update Excel Load List

OFFLINE

✓ **Product, Item Type & Item Category:**

- **Chalks:** This line remains as is and should be added before Product categories that belong to a new FWO
- **Product:** Main categories from Passenger & Cargo Manifest. Add **DG** to define Dangerous Goods
- **Item Type:** It is a technical description of the Product (e.g CABINBAGGAGE = ZCBB)
- **Item Category:** “PRD” for Products and “PKG” for Chalks

Product	Item Type	Item Category
CHALKS	ZCHS	PKG (<i>package</i>)
• TROOPS	ZTRS	PRD (<i>product</i>)
• BIGSIZE_FLIGHT		
• MIDSIZE_FLIGHT		
• SMALLSIZE_FLIGHT		
• CABINBAGGAGE	ZCBB	
• DG CABINBAGGAGE	ZCRB	
• CARGOBAGGAGE		
• DG CARGOBAGGAGE		

Product	Item_Type	Item Category
CHALKS	ZCHS	PKG
TROOPS	ZTRS	PRD
BIGSIZE_FLIGHT	ZTRS	PRD
MIDSIZE_FLIGHT	ZTRS	PRD
SMALLSIZE_FLIGHT	ZTRS	PRD
CABINBAGGAGE	ZCBB	PRD
CARGOBAGGAGE	ZCRB	PRD



Update Excel
Load List

OFFLINE

✓ Weight & Weight UoM / Volume & Volume UoM / Quantity & Quantity UoM

The example below refers to a requirement for:

- 850 passengers using ...
- 10 flights (2 big, 3 mid-size and 5 small) together with ...
- 850 cabin baggage and ...
- 3,400 cargo baggage.

Product	Item_Type	Item Category	Weight	Weight UoM	Volume	Volume UoM	Quantity	Quantity UoM
CHALKS	ZCHS	PKG					10	EA
TROOPS	ZTRS	PRD	60000	KG	500	M3	850	EA
BIGSIZE_FLIGHT	ZTRS	PRD	50000	KG	10000	M3	2	EA
MIDSIZE_FLIGHT	ZTRS	PRD	30000	KG	5000	M3	3	EA
SMALLSIZE_FLIGHT	ZTRS	PRD	15000	KG	3000	M3	5	EA
CABINBAGGAGE	ZCBB	PRD	7000	KG	300	M3	850	EA
CARGOBAGGAGE	ZCRB	PRD	20000	KG	800	M3	3400	EA



Update Excel
Load List

OFFLINE

- ✓ **FWO Group**: Important when creating multiple Forwarding Orders (FWO) with the same Excel upload sheet (e.g. Troops rotation)
- ✓ **Def.Route**: Only if Default Route information is provided. System will use Def.Route for the planning
- ✓ **Base BTD Ref**: MOU number (*future link with the RAPS system that is being developed*). It is a common reference number between UN and the TCC. In a Troops rotation scenario the MOU number is the same for both Forwarding Orders (*deployment and repatriation*).

FWO Group	Def.Route	Base BTD Ref
1		MOU111_TROOPS
1		MOU112_TROOPS



Update Excel Load List

OFFLINE

- ✓ **Goods Value & Goods Value Currency:** Goods Value for each item.
- ✓ **Sales Group:** Use “SG_S02” for the Troops/COE process.
- ✓ **Incoterm:** The system uses standard incoterms. Please indicate:
 - **DAP** for a LOA scenario
 - **EXW** for a Non-LOA scenario
- ✓ **Member Country [Shipper]:** Business Partner related to the Contingency (*cross reference data in TM*)
- ✓ **Receiving Plant [Consignee]:** Plant of the mission receiving the equipment (*cross reference data in TM*)

Goods Value	Goods Value Currency	Sales Group	IncoTerm	Member Country [Shipper]	Receiving Plant [Consignee]
		SG_S02	DAP	1111000114	SS10
34700	USD	SG_S02	DAP	1111000114	SS10
23830	USD	SG_S02	DAP	1111000114	SS10
34800	USD	SG_S02	DAP	1111000114	SS10
3480	USD	SG_S02	DAP	1111000114	SS10
7890	USD	SG_S02	DAP	1111000114	SS10
12110	USD	SG_S02	DAP	1111000114	SS10
25000	USD	SG_S02	DAP	1111000114	SS10
25800	USD	SG_S02	DAP	1111000114	SS10
89200	USD	SG_S02	DAP	1111000114	SS10
212121	USD	SG_S02	DAP	1111000114	SS10

LOAD LIST

COE

Update Excel
Load List

OFFLINE

TM Planner
Upload
Load List

Umoja System
Create
FWO(s)

Umoja System
Create
Freight
Unit(s)

PLAN

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA

PROCURE FREIGHT

NON-LOA

EXECUTE & MONITOR

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA

TROOPS – LOAD LIST PHASE – UPLOAD EXCEL LOAD LIST



Update Excel Load List

OFFLINE

TM Planner

Upload Load List

A Forwarding Order (FWO) will be created in Umoja TM by uploading the **Excel Load List** completed in the previous step.

The upload can be done in Umoja TM backend (*similar to ECC*) by the TM Planner role using the **ZTMFWOUPLOAD** T-Code.

TM

Mass upload of Forwarding Orders

FWO Type	Source Location	Destination Location	Pick Up Date	Pick Up Ti...	Deli...	Req.Delive	Req.Delive	Product	Item type	Weight	Weight UOM	Volumn	Volumn UOM	Qty	Qty UOM	Goods Valu	Goods Valu	Member Cou	Receiving	FWO_GRP	Validation	FWO Number	Status
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	CHALKS	ZCHS					10	EA			1111000067	SS10	1	○○○	2100000162	○○○
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	TROOPS	ZTRS	60000	KG	500	M3	850	EA			1111000067	SS10	1	○○○		
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	BIGSIZE_FLIGHT	ZTRS	50000	KG	10000	M3	2	EA	1000	USD	1111000067	SS10	1	○○○		
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	MIDSIZE_FLIGHT	ZTRS	30000	KG	5000	M3	3	EA	2000	USD	1111000067	SS10	1	○○○		
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	SMALLSIZE_FLIGHT	ZTRS	15000	KG	3000	M3	5	EA	3000	USD	1111000067	SS10	1	○○○		
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	CABINBAGGAGE	ZCBB	7000	KG	300	M3	850	EA	4000	USD	1111000067	SS10	1	○○○		
ZFW2	KATHMANDU_AIRPORT	JUBA_AIRPORT	01/22/2019	15:00:01		01/23/2019	16:00:00	CARGOBAGGAGE	ZCRB	20000	KG	800	M3	3400	EA	5000	USD	1111000067	SS10	1	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	CHALKS	ZCHS					10	EA			1111000067	SS10	2	○○○	2100000161	○○○
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	TROOPS	ZTRS	60000	KG	500	M3	850	EA			1111000067	SS10	2	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	BIGSIZE_FLIGHT	ZTRS	50000	KG	10000	M3	2	EA	1000	USD	1111000067	SS10	2	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	MIDSIZE_FLIGHT	ZTRS	30000	KG	5000	M3	3	EA	2000	USD	1111000067	SS10	2	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	SMALLSIZE_FLIGHT	ZTRS	15000	KG	3000	M3	5	EA	3000	USD	1111000067	SS10	2	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	CABINBAGGAGE	ZCBB	7000	KG	300	M3	850	EA	4000	USD	1111000067	SS10	2	○○○		
ZFW2	JUBA_AIRPORT	KATHMANDU_AIRPORT	01/24/2019	15:00:01		01/25/2019	16:00:00	CARGOBAGGAGE	ZCRB	20000	KG	800	M3	3400	EA	5000	USD	1111000067	SS10	2	○○○		

**A FWO can also be created manually in the TM Portal with reference to an existing FWO.*

TROOPS – LOAD LIST PHASE – CREATE FWO(s) & FU(s)



Update Excel Load List

OFFLINE

TM Planner

Upload Load List

Umoja System

Create FWO(s)

Umoja System

Create Freight Unit(s)

TM

The system automatically creates a Freight Unit (FU) for each Forwarding Order (FWO) in TM

Both the FWO and FU can be displayed in the TM Portal (*SAP Netweaver Business Client*)

Display Forwarding Order for COE Troops 2100000161

Save Cancel Edit Copy Other Copy Options Refresh Follow Up Check Confirm Cancel Document Customs HAWB Forwarding Quotation

General Data Business Partner Locations and Dates/Times Ordered Route Actual Route Nature of Goods Document Flow

Document Hierarchy	Forwarding Order	Business Document Ty...	Business Document	Business Document Life...	Created By	Created On Date/Time	Changed
Forwarding Order for COE Troops 2100000161	Forwarding Order for C...		2100000161	In Planning	01PLTROO...	14.11.2018 12:19:27 CET	01PLTRC
Successor Business Documents							
COE Non-LOA Troops 4100000377	COE Non-LOA Troops		4100000377	New	01PLTROO...	14.11.2018 12:19:27 CET	01PLTRC

Freight Unit

LOAD LIST

COE

Update Excel
Load List

OFFLINE

TM Planner
Upload
Load List

Umoja System
Create
FWO(s)

Umoja System
Create
Freight
Unit(s)

PLAN

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA

Umoja System
Create FO
TCC Stage

Umoja System
Assign
Carrier to FO

PROCURE FREIGHT

NON-LOA

EXECUTE & MONITOR

TCC Stage
LOA

Freight Forwarder
Stage
NON-LOA

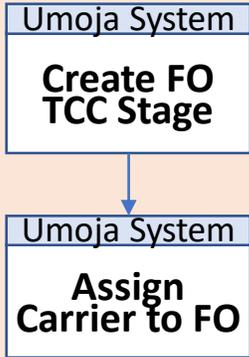
T M

T M

TROOPS – PLAN PHASE – TCC STAGE (DAP)



TCC Stage LOA



- In a Troops scenario, the TCC stage applies to **DAP** Incoterms. **The system automatically creates the Freight Order** used to report all the events related to the transportation that is completely managed by the TCC.
- The system automatically creates a Freight Order from the **Source Airport** to the **Destination Airport**.
- The system automatically assigns the Business Partner details of the TCC as **Carrier** to this newly created Freight Order in the carrier field of the Freight Order.
- This automatically created Freight Order is in “**Ready for Execution**” status. The TM Planner connects to TM to submit the related events.

Freight Order
Troops - LOA

Document Hierarchy	Business Document Ty...	Business Document	Business Document Life...	Created By	Created On Date/Time	Change
Forwarding Order for COE Troops 2100000164	Forwarding Order for C...	2100000164	In Planning	01PLTROO...	14.11.2018 12:58:26 CET	01PLTI
Successor Business Documents						
COE LOA Troops 4100000380	COE LOA Troops	4100000380	In Process	01PLTROO...	14.11.2018 12:58:26 CET	04PLTI
Troops Air Member Planned Frt Order(LOA)...	Troops Air Member Pla...	6100009352	In Process	04PLTROO...	14.11.2018 13:22:37 CET	BTCUS

LOAD LIST

COE

Update Excel Load List

OFFLINE

TM Planner Upload Load List

Umoja System Create FWO(s)

Umoja System Create Freight Unit(s)

PLAN

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TM Planner Select FU(s) in TM Cockpit

Umoja System Generate TM Proposals

TM Planner Select Best TM Proposal

Umoja System Calculate Charge Estimate

Umoja System Create FO FFW Stage

TM Planner Generate SOW

PROCURE FREIGHT

NON-LOA

EXECUTE & MONITOR

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TROOPS – PLAN PHASE – FREIGHT FORWARDER STAGE (EXW) – 1/4



Freight FW Stage
NON-LOA

- In a **Troops** scenario, the Freight Forwarder stage applies to **EXW** Incoterms. In this stage the Freight Forwarder is responsible for the transportation.
- Freight Units appear in the **Transportation Cockpit** filtered by **Profile** (*LOA vs Non-LOA*):

TM Planner
Select FU(s)
in TM
Cockpit

Profile and Layout Sets (2)

Save New Copy Refresh Unplanned Requirements Refresh Job Status

Description	Freight Unit Selection Profile	Freight Order Selection Profile
Troops LOA/DAP	ZSEL_FU_COE_TROOPS_MEM_CTY_DLVD_LOA	ZSEL_FO_COE_TROOPS_LOA
Troops non-LOA/EXW	ZSEL_FU_COE_TROOPS_NONLOA	ZSEL_FO_COE_TROOPS_NONLOA

LOA (TTC Stage)

Non-LOA (Freight FW Stage)

- Several Freight Units (FUs) with the same pick-up and destination airports can be **consolidated** to be transported together. There is a **time window** (*currently 7 days*) that allows multiple FUs to be consolidated.

Freight Unit Stages (5/14)

Split/Merge Stages Create Capacity Document Create Multiple Capacity Documents Remove Capacity Document

I.	Freight Unit	S	P	Loading Location	Unloading Location	Earliest...	Ear...
	4100000376	1..		KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019	00:0.
	4100000378	1..		KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019	00:0.
	4100000487	1..		KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019	00:0.
	4100000196	1..		KINSHASA_AIRPORT	FRANKFURT_AIRPORT	22.01.2019	15:0.
	4100000387	1..		KINSHASA_AIRPORT	BUENOS AIRES_AIRPORT	30.12.2018	00:0.

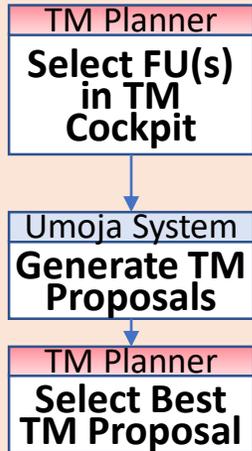
Several FUs can be consolidated for transportation purposes

TROOPS – PLAN PHASE – FREIGHT FORWARDER STAGE (EXW) – 2/4



Freight FW
Stage
NON-LOA

- The system displays only one transportation proposal for the set of FUs selected because for Troops the transportation is always Airport to Airport.
- Transportation Proposals are organized in the following way:
 - **Transportation Proposal Number**
 - **Freight Unit Number**
 - Only one Stage (FO), Airport to Airport



Document Hierarchy	S..	Planning Sta...	M	Means of Transport	Source Location	Destination Location	Loading Sta...	Unloading E...	Distance	D...	Duration	Carrier
Transportation Proposal 1	<input checked="" type="checkbox"/>			TROOPS_AIR	KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019 1...	23.01.2019 0...				
Freight Unit 4100000376	<input type="checkbox"/>			TROOPS_AIR	KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019 1...	23.01.2019 0...			7:46	
Stage 00001	<input type="checkbox"/>			TROOPS_AIR	KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019 1...	23.01.2019 0...	6,216.228	KM	7:46	
Freight Unit 4100000378	<input type="checkbox"/>			TROOPS_AIR	KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019 1...	23.01.2019 0...			7:46	
Stage 00001	<input type="checkbox"/>			TROOPS_AIR	KATHMANDU_AIRPORT	JUBA_AIRPORT	22.01.2019 1...	23.01.2019 0...	6,216.228	KM	7:46	

TROOPS – PLAN PHASE – FREIGHT FORWARDER STAGE (EXW) – 3/4



Freight FW Stage
NON-LOA

- The system creates the new **Freight Order** for the FFW stage.

TM Planner
Select FU(s)
in TM
Cockpit

Umoja System
Generate TM
Proposals

TM Planner
Select Best
TM Proposal

Umoja System
Calculate
Charge
Estimate

Umoja System
Create FO
FFW Stage

TM

Freight Orders/Freight Bookings (1)

Mod...	Document	Status	Maxi...	Source Location	Destination Location	Departu...	Dep...	D..	Planne...	Plan...	A..	Gross Du...	Total Net...	Net...	N...	Carrier	Fixin...
	6100014192	●	9999%	KATHMANDU_AIRP...	JUBA_AIRPORT	22.01.2019	18:58:47	N...	23.01.2019	00:00:00	I...	7:46	7:46	466,000	KG	ZDUMMY_...	

- The Carrier is defaulted to **ZDUMMY_CAR** until the freight is awarded and the real carrier is assigned.
- The system automatically calculates the estimated Charges based on the “Charges Master Data”.
- The actual freight cost can be updated in TM Freight Order after the FFW company has been selected.

Display Troops Air UN Planned Frt Order(non-LOA) 6100014192

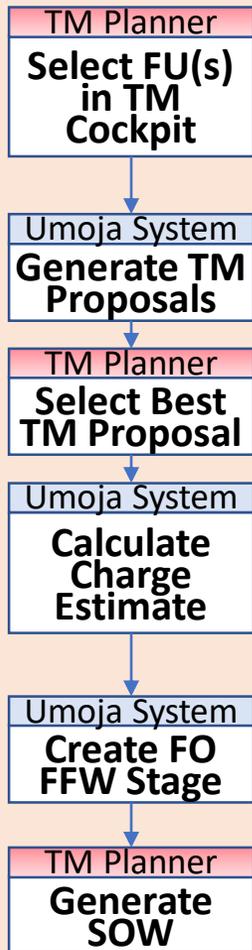
Save Cancel Edit Refresh Copy Multiple Copies Check Follow Up Scheduling Subcontracting Create Service Order Schedule Set Status Load Plan Status Execution Status

General Data Business Partner Items Stages Utilization Subcontracting Document Flow **Charges** Execution Notes Attachments Statuses

Invoicing Status:	<input type="text" value="01"/>	Not Invoiced	Calculation Date:	<input type="text" value="02.12.2018"/>	<input type="text" value="12:47:38"/>	CET
Charge Calc. Status:	<input type="text" value="02"/>	Calculated	Manually-Changed Calc. Date:	<input type="checkbox"/>		
Total Amount in Local Currency:	<input type="text" value="235,200.00"/>	USD	Exchange Rate Date:	<input type="text" value="02.12.2018"/>		
Total Amount in Document Currency:	<input type="text" value="235,200.00"/>	USD	Manually-Changed Exchange Rate Date:	<input type="checkbox"/>		
Rounded Total Amount in Document Currency:	<input type="text" value="235,200.00"/>	USD				
Rounded Amount Difference in Document C...:	<input type="text" value="0.00"/>	USD				
Late Changes:	<input type="checkbox"/>					



Freight FW Stage NON-LOA



- A “**Statement Of Work**” document (SOW) can be downloaded from the Freight Order. The SWO can be printed and **edited**. The SOW serves as an input for the Freight Procurement phase.
- The **SOW** document includes the following details:
 - Forwarding Order number
 - Freight Order number
 - Departure / Destination airport
 - Pick-up / Delivery date
 - Total number of flights required
 - Total number of troops
 - Total number of cabin baggage
 - Total number of cargo baggage
 - Estimated cost
- The **SOW** includes all the Freight Orders related to the same **MOU**.

ANNEX-B
ITB: <Please Enter ITB number here>

Forwarding Order # 2100000160, 2100000162

Freight Order # 6100014192

**STATEMENT OF REQUIREMENTS, STANDARD SHIPPING TERMS
AND EVALUATION TERMS**

A. STATEMENT OF WORK/SPECIFICATIONS

1. SCOPE OF WORK

The United Nations is seeking Air movement offers for the <rotation, deployment, repatriation> of GUINEA troops from APOE Kathmandu, Nepal to APOD Juba, South Sudan to in support of UNMISS.

This ITB requires the Bidder to submit the following freight rates:

LOAD LIST

COE

Update Excel Load List

OFFLINE

TM Planner Upload Load List

Umoja System Create FWO(s)

Umoja System Create Freight Unit(s)

PLAN

TCC Stage LOA

Freight Forwarder Stage NON-LOA

Umoja System Create FO TCC Stage

Umoja System Assign Carrier to FO

TM Planner Select FU(s) in TM Cockpit

Umoja System Generate TM Proposals

TM Planner Select Best TM Proposal

Umoja System Calculate Charge Estimate

Umoja System Create FO FFW Stage

TM Planner Generate SOW

PROCURE FREIGHT

NON-LOA

Requisitioner Create SC Freight (funded)

Approver Approve SC Freight (funded)

Buyer Select SC from Source Cockpit

Buyer Create RFX

Solicit

Buyer Create PO for Freight

Approver Proc. Approve PO for Freight

EXECUTE & MONITOR

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TM

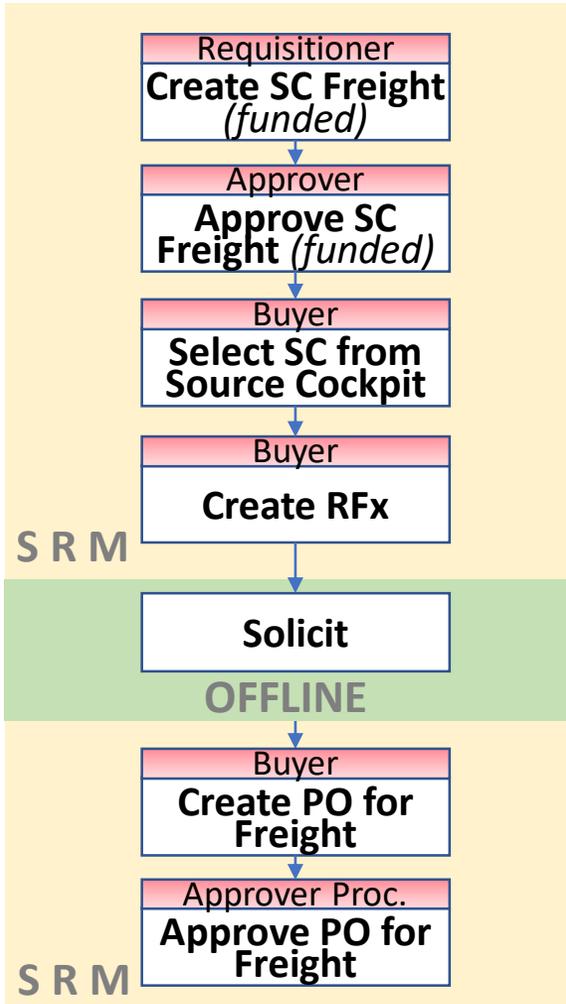
TM

TM

S R M

S R M

TROOPS – PROCURE FREIGHT PHASE (NON-LOA) – 1/2



- The Freight Procurement steps in the system remain very similar as they currently are.
- Below some items to be considered with the TM implementation:
 - ✓ Freight Services are requested in a separate Shopping Cart (*no more \$1 line for freight in the goods shopping cart*).
 - ✓ The SOW to be attached in the Freight Shopping Cart can be downloaded directly from Umoja TM.
 - ✓ TM is now the single source of information for all the transportation requirements.

LOAD LIST

COE

Update Excel Load List

OFFLINE

TM Planner Upload Load List

Umoja System Create FWO(s)

Umoja System Create Freight Unit(s)

PLAN

TCC Stage LOA

Freight Forwarder Stage NON-LOA

Umoja System Create FO TCC Stage

Umoja System Assign Carrier to FO

TM Planner Select FU(s) in TM Cockpit

Umoja System Generate TM Proposals

TM Planner Select Best TM Proposal

Umoja System Calculate Charge Estimate

Umoja System Create FO FFW Stage

TM Planner Generate SOW

PROCURE FREIGHT

NON-LOA

Requisitioner Create SC Freight (funded)

Approver Approve SC Freight (funded)

Buyer Select SC from Source Cockpit

Buyer Create RFx

Solicit

Buyer Create PO for Freight

Approver Proc. Approve PO for Freight

TM FO Manager Assign Carrier & PO to FO

TM FO Manager Edit FO with Dates, Charges

EXECUTE & MONITOR

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TM

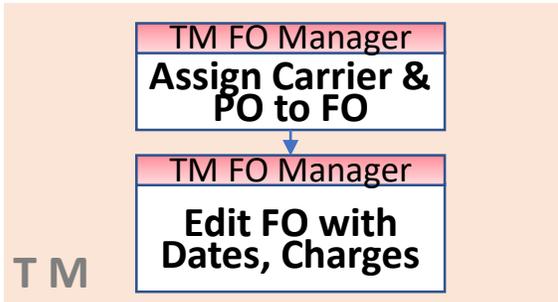
TM

TM

TM

S R M

S R M



- Once the freight services have been awarded, the Freight Order in TM has to be updated with the **selected carrier** and the related **purchase order number**.
- Once the carrier is assigned in the FO, the FO execution status changes to “**Ready for Execution**” allowing the freight forwarders to submit the related events.
- Moreover the Freight Order needs to be updated with:
 - ✓ **Actual Dates:** The planned dates need to be updated in the Freight Order based on the information provided by the Freight Forwarder .
 - ✓ **Actual Charges:** The Freight Order charges have to be updated with the actual ones appearing in the Freight Purchase Order. The system allows comparing the estimated charges and the actual charges for reporting purposes.

LOAD LIST

COE

Update Excel Load List

OFFLINE

TM Planner Upload Load List

Umoja System Create FWO(s)

Umoja System Create Freight Unit(s)

PLAN

TCC Stage LOA

Freight Forwarder Stage NON-LOA

Umoja System Create FO TCC Stage

Umoja System Assign Carrier to FO

TM Planner Select FU(s) in TM Cockpit

Umoja System Generate TM Proposals

TM Planner Select Best TM Proposal

Umoja System Calculate Charge Estimate

Umoja System Create FO FFW Stage

TM Planner Generate SOW

PROCURE FREIGHT

NON-LOA

Requisitioner Create SC Freight (funded)

Approver Approve SC Freight (funded)

Buyer Select SC from Source Cockpit

Buyer Create RFx

Solicit

Buyer Create PO for Freight

Approver Proc. Approve PO for Freight

TM FO Manager Assign Carrier & PO to FO

TM FO Manager Edit FO with Dates, Charges

EXECUTE & MONITOR

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TM Planner Update Events

TM Planner Upload Attachments

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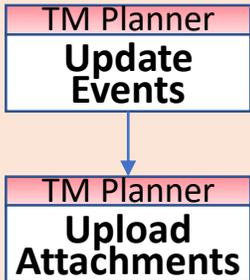
T M

T M

TROOPS – EXECUTE & MONITOR PHASE – TCC STAGE (LOA)



TCC Stage
LOA



TM

- In a LOA scenario, the transportation is completely managed by the TCC. However as TCC will not have access to the Carrier Collaboration Portal (CCP), all the transportation events will be submitted by the TM Planners on their behalf.
- The Umoja role “**TS.01 TM Planner**” will 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.

- **Report Event** – Expected Events
- **Insert Event** – Unexpected Events

Edit Troops Air Member Planned Frt Order(LOA) 6100009352

Save Cancel Edit Refresh Copy Multiple Copies Check Follow Up Scheduling Subcontracting Create Service Order Schedule Set Status

General Data Business Partner Items Stages Utilization Subcontracting Document Flow Charges **Execution**

Report Event **Insert Event**

Statu...	Event	Planned Date	Actual Event Date	Actual Event Time	Time Zone	Location	Description	Estimated Event Date
	Events							
⚠	Departure	22.01.2019 18:58:47 N...		00:00:00	NEPAL	KATHMANDU_AIRPO...	Tribhuvan International ...	
⚠	Arrival at Destination	23.01.2019 00:00:00 IRAQ		00:00:00	IRAQ	JUBA_AIRPORT -- Ju...	Juba International Airport	
⚠	Proof of Delivery	25.01.2019 02:00:00 IRAQ		00:00:00	IRAQ	JUBA_AIRPORT -- Ju...	Juba International Airport	

LOAD LIST

COE

Update Excel Load List

OFFLINE

TM Planner Upload Load List

Umoja System Create FWO(s)

Umoja System Create Freight Unit(s)

PLAN

TCC Stage LOA

Freight Forwarder Stage NON-LOA

Umoja System Create FO TCC Stage

Umoja System Assign Carrier to FO

TM Planner Select FU(s) in TM Cockpit

Umoja System Generate TM Proposals

TM Planner Select Best TM Proposal

Umoja System Calculate Charge Estimate

Umoja System Create FO FFW Stage

TM Planner Generate SOW

PROCURE FREIGHT

NON-LOA

Requisitioner Create SC Freight (funded)

Approver Approve SC Freight (funded)

Buyer Select SC from Source Cockpit

Buyer Create RFx

Solicit

Buyer Create PO for Freight

Approver Proc. Approve PO for Freight

TM FO Manager Assign Carrier & PO to FO

TM FO Manager Edit FO with Dates, Charges

EXECUTE & MONITOR

TCC Stage LOA

Freight Forwarder Stage NON-LOA

TM Planner Update Events

TM Planner Upload Attachments

Freight Forw. Update Events

Freight Forw. Upload Attachments

CCP

TM Planner Update Events

TM Planner Upload Attachments

TM

TM

TM

TM

TM

TM

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TROOPS – EXECUTE & MONITOR PHASE – FREIGHT FORWARDER STAGE (NON-LOA)



Freight Forwarder Stage NON-LOA

TM Col.Portal
**Update
Events**

TM Col.Portal
**Upload
Attachments**

CCP

TM Planner
**Update
Events**

TM Planner
**Upload
Attachments**

TM

- Freight Forwarders will be provided with login credentials for the Umoja Carrier Collaboration Portal (**CCP**).
- In CCP, Freight Forwarders will see the Freight Orders they are responsible for the transportation. They will be able to submit events and upload attachments.
- All Events/Attachments submitted via CCP are displayed in TM.
- In case the vendor cannot connect to CCP, Umoja role “**TS.01 TM 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.

TROOPS – EXECUTE & MONITOR PHASE – AUTOMATIC EMAIL NOTIFICATIONS



EXECUTE & MONITOR

TM Col.Portal
Update
Events

TM Col.Portal
Upload
Attachments

CCP

TM Planner
Update
Events

TM Planner
Upload
Attachments

TM

Email notifications are sent automatically when some **specific events** are reported or **overdue**:

- **Unexpected Events:**

- ✓ An email notification to the TM Planner, Requisitioner and R&I is sent when any of this type of events is reported (*delay, damage, loss, etc.*).
- ✓ Procurement Division will also be notified in case the unexpected event is either “Cost Change” or “Route Change”

- **Planned Events:**

- ✓ **“Handover document”** event:
 - When the event is reported an email is sent to the R&I contact in the destination Plant
 - If the event is overdue more than **48 hours** (*from the planned date*) an email is sent to MovCon.
- ✓ **“Documentation Sent”** event (*only for “main carriage” leg*):
 - When the event is reported an email is sent to the R&I contact in the destination Plant
 - If the event is overdue more than **10 days** (*from the planned date*) an email is sent to MovCon.
- ✓ **“Documentation Complete”** & **“Custom Clearance”** events (*only for “main carriage” leg*):
 - If the event is overdue more than **10 days** (*from the planned date*) an email is sent to MovCon.



- **TS.01 TRANSPORTATION PLANNER & EXECUTION**

Main function is to create Freight Orders to execute a transportation plan. They can also submit events.

This enterprise role has three flavors: UNOE, COE & Troops.

- **TS.02 FREIGHT ORDER MANAGEMENT**

Main function is to update Freight Order stages, dates, actual charges, carrier and Freight PO. They can also submit events.

- **TS.03 TM DISPLAY ALL**

Display access is granted to all TM documents: DTR, FWO, FU, and FO.

- **TS.04 TM MASTER DATA MAINTAINER**

Main function is to maintain the Transportation Network (Locations, Zones, Lanes, etc.) and Transportation Rates.

- **TS.05 COLLABORATION PORTAL**

Access the Carrier Collaboration Portal to submit related Events & Attachments.

- **TS.07 TM & EM Reporting Display and Analysis**

It provides access to the reporting and analysis TM workspace in Umoja BI.

TM RELATED ACRONYMS



ACRONYM	FULL FORM	ACRONYM	FULL FORM
SRM	Supplier Relationship Management	DTR	Delivery-based Transportation Requirement
ECC	ERP Central Component	FWO	Forwarding Order
TM	Transportation Management	LOA	Letter of Assist
CCP	Carrier Collaboration Portal	FU	Freight Unit
IBD	Inbound Delivery	PO	Purchase Order
SC	Shopping Cart	SOW	Statement of Work



THANK YOU!

Questions?