SAP Transportation Management – Freight Unit (FU)

Raw information on FU

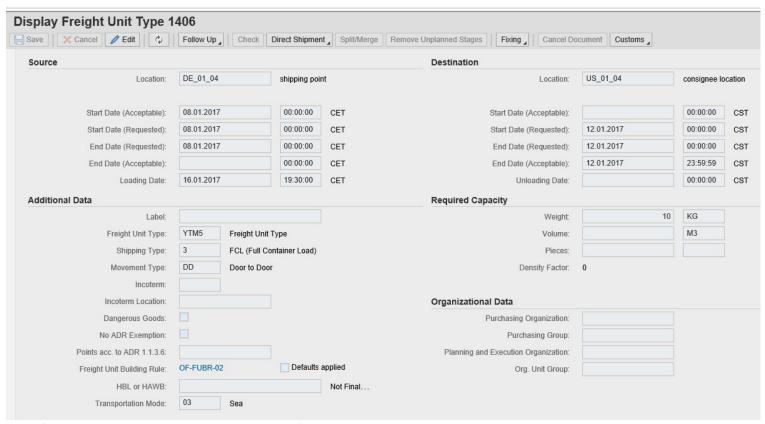
FU is the smallest unit that can be transported together

1st decide - what is the tracking level for your transportation --> Container Level, Package Level or Product Level Shipper Scenario - usually track it at Product level LSP Scenario - Usually tracked at Container level

FU is always created automatically using FUBR (Freight Unit Building Rule), never created manually FU is a very important element for Planning FU is the link between FWO and Transportation Document We can create One/Multiple FU per FWO Output of Planning is a freight order / freight booking

FU gives follow information What is being transported Where is it being transported (Source/Destination) When is it being transported (Timeline)

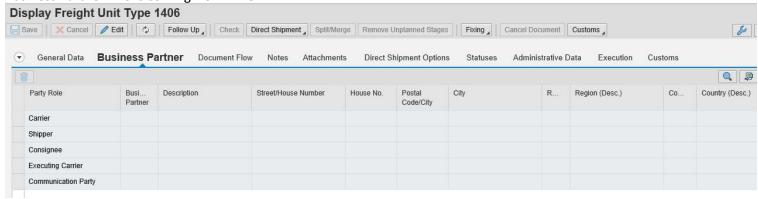
Understanding the FU document



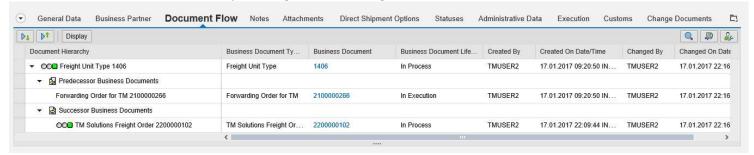
(Start/End) Acceptable Date - Date Range before/beyond which goods is not accepted at destination nor released at source (Start/End) Requested Date - Preferred Date Range for accepting goods

Incoterm/Shipping Type/Movement Type/Transportation Mode/Weight/Volume/Pieces/Organizational Unit Info - data coming from FWO

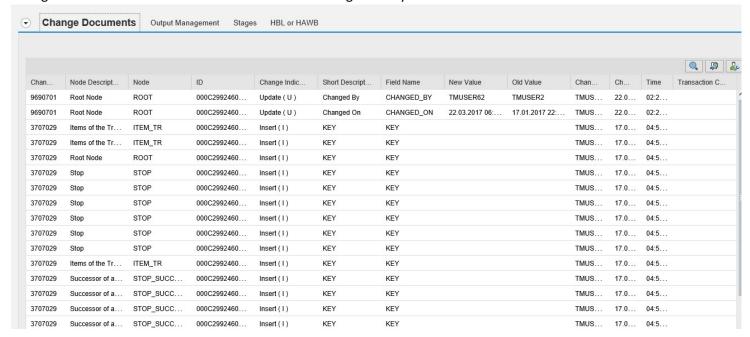
Business Partner Info is coming from FWO



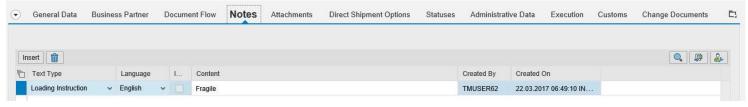
Document Flow - has information on preceding and succeeding documents



Change Documents Tab - Has details on Document Change History



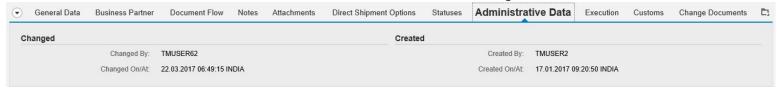
Notes Tab - Any Instruction can be maintained here



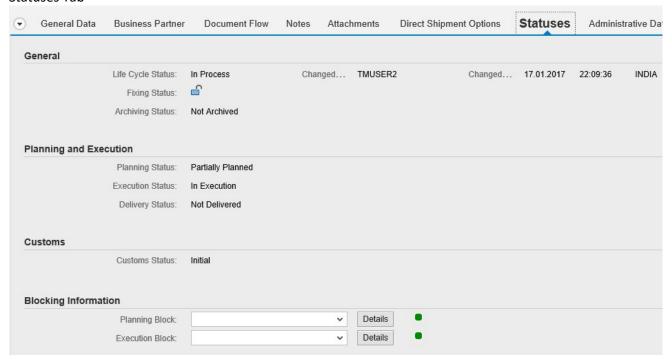
Attachments Tab - Has information on all Attachments associated with this FU (Links, Rate Table, Legal Documents, etc)



Administrative Data Tab- Has information on who created the FU and who last changed it



Statuses Tab -



General Status - Fixing Status - When we are sure that there are no more changes in the FU, we can double click menu Bar "FIXING" and select FIX, status will be changed to FIXED; similar for UNFIX

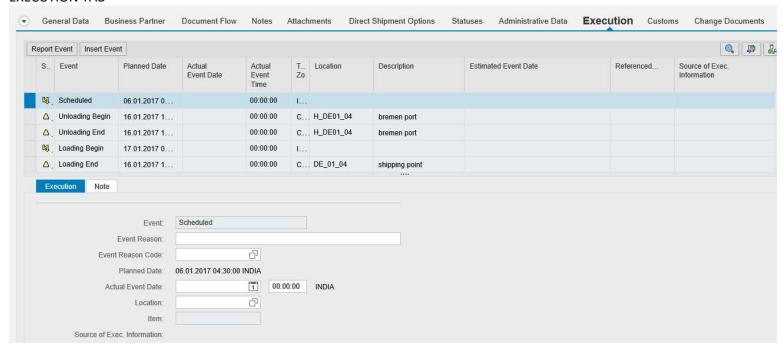


Customs Status - if GTS is integrated then Customs status will be updated Blocking Information gets updated if there is a block.

ITEM Information is being derived from FWO

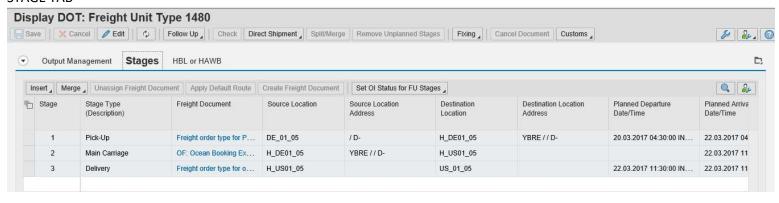


EXECUTION TAB-



This tab is important from SAP EVENT MANAGEMENT PERSPECTIVE

STAGE TAB

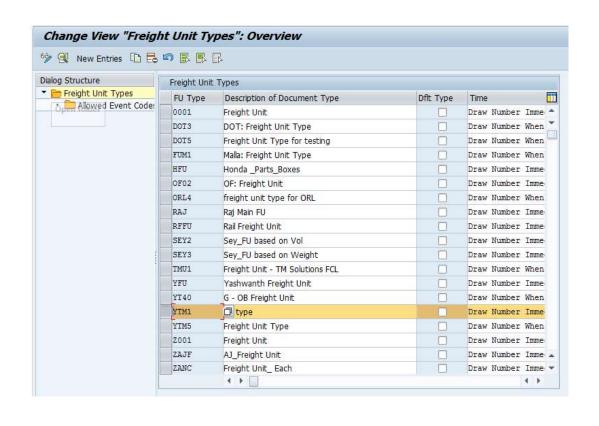


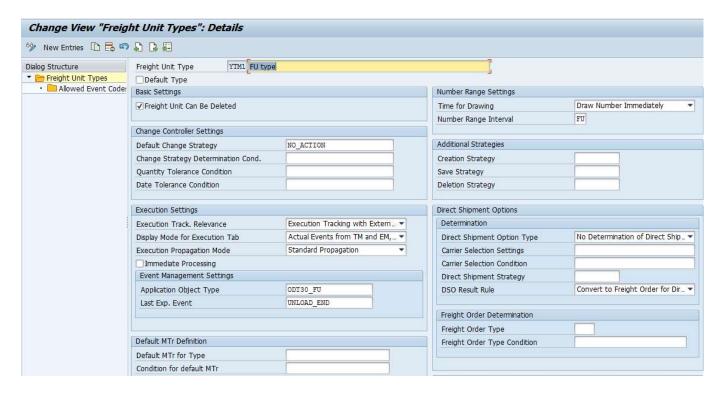
The stages that we see above come from FWO - here we have an option to Insert/merge a stage if needed We can also remove unplanned stages, split a stage in to two or more stages...

CONFIGURE FU

DEFINE FREIGHT UNIT TYPE







Execution Settings - SAP EM relevant settings

Execution Track Relevance --> If you want to track certain types of documents, choose 2 (*Execution Tracking*) or 3 (*Execution Tracking with External Event Management*). The system then sets the initial document execution status *Not Started*.

If you do not want to track certain types of documents, choose 1 (No Execution Tracking). The system then sets the initial document execution status Not Relevant.

Display Mode for Execution Tab --> Expected events are always retrieved from SAP Event Management (SAP EM). For actual events, you can decide from which systems they are to be retrieved, as follows:

- From SAP EM and SAP Transportation Management (SAP TM)
- From SAP TM only
- From SAP EM only

Execution Propagation Mode --> Controls how execution information is propagated between different related freight documents.

The following options are available:

- Standard Propagation
 Select this option if the attributes DATACS and DATAID of the execution information are not used in your scenario.
- Enhanced Propagation
 Select this option if the attributes DATACS and DATAID are used to distinguish between several expected events of a freight document in SAP EM that are all related to the same expected event of its successor document.

If you have not selected the checkbox <u>Propagate Execution Info</u> in the Customizing activities for defining freight order types, freight booking types, and transportation unit types, this setting is not taken into account regarding the propagation of execution events to predecessor documents. It is recommended that you set the propagation mode to the **same value for all freight documents that are related to each other regarding the execution tracking**.

Default Means of Transport --> Default Value can be selected **Condition for Default Means of Transport** --> Custom BRF+ Condition can be developed and used here

Direct Shioment Option Type -->

			- 71	Output Options	
Default Units of Measure				Output Profile	
Weight			•	Add. Output Profile	
Volume			*		
				Organizational Unit Determination	
Additional Settings				Default Org Unit	
Dangerous Goods Profile				Execution Organization	
Customs Profile				Purchasing Organization	
Rule for PU / DLV Window		Earliest Pick	-Up at Req. Day/La ▼	Execution Group	
Cond. for PU/DI	LV Window Determ.			Purchasing Group	
BW Relevano	e Track Chan	ges			
Archiving Reten	tion Period in Days	100		Determination Rules	
Web Dynpro Application Conf.		/SCMTMS/FI	RE_UNIT	Consider Organization Unit of User	
HBL or HAWB S	trategy			Condition	
Text Schema		Default Text	t Type		
Admin Data				B	
Created By	TMUSER2	Created On	17.03.2017 09:39:58		
Changed By	TMUSER62	Changed On	24.03.2017 01:17:46		

Dangerous Good Profile --> You use the profile to specify the behavior of business documents when processing dangerous goods. You can define a profile to allow all messages from the dangerous goods check to be displayed. You can also define a profile to allow only error messages to be displayed. (Integration with EHS)

Customs Profile --> A customs profile contains one or more customs activities that control customs handling for a specific process (for example, export or transit). The customs profile is assigned to the document type, as follows: (Integration with GTS)

- Customs processes for freight orders or freight bookings: You assign the customs profile to the freight order type or freight booking type
- Customs processes for freight units: You assign the customs profile to the freight unit type

Rule for Pick-Up /Delivery Window --> Defines the way in which the requested dates/times defined in the forwarding order, forwarding quotation, order-based transportation requirement or the delivery-based transportation requirement are used to define the pick-up and delivery windows of the freight unit.

You use windows to control when goods are to be picked up and delivered.

- Pick-Up and Delivery as Defined in FWO, FWQ, OTR, or DTR
 In this case, the system takes the windows from your forwarding order, forwarding quotation, order-based transportation requirement or delivery-based transportation requirement.
- Earliest Pick-Up at Req. Day/Latest Delivery at Req. Day
 In this case, the system sets the acceptable start date/time for pick-up to the earliest date/time on the requested day and the acceptable end date/time for delivery to the latest date/time on the requested day.
- Pick-Up and Delivery Exactly on Requested Day
 In this case, the system sets the acceptable start date/time for pick-up to the earliest date/time on the requested day and the acceptable end
 date/time for pick-up to the latest date/time on the requested day. It sets the acceptable start date/time for delivery to the earliest date/time
 on the requested day and the acceptable end date/time to the latest date/time on the requested day.

Archiving Retention Period in Days --> Describes the minimum time in days between the completion date of a business object instance and the date the business object instance is allowed to be archived. Typically, the completion date is the date when the lifecycle status has been set to *Completed* or *Canceled*.

Text Schema - You can select a text schema that you have defined in Customizing. The text schema determines the types of text that you can choose for creating notes on the *Notes* tab page of the business document UI in SAP NetWeaver Business Client. It also determines certain attributes of the text for a note, for example, if a note is mandatory for this type of business document, or whether or not a note text is language-dependent.

HBL/HAWB Strategy --> Specifies the tasks that the process controller is to perform when you build a house bill of lading or a house air waybill for a forwarding order, a freight order, or a freight booking.

You can specify a strategy for building a HBL or HAWB. The system then groups the items of a business document for building the HBL or HAWB according to this strategy. For example, you can specify whether the HBL or HAWB is to be built based on a forwarding order or based on individual freight units. Thus, you can build a HBL or HAWB for a shipper or consignee, and you can have multiple HBLs or HAWBs per forwarding order or freight order.

To be able to specify a HBL or HAWB building strategy for forwarding orders, you have to enable the waybill stock function in Customizing for the forwarding order type.

Web Dynpro Application Configuration --> You can define your own Web Dynpro application configurations and assign them to business document types and agreement types. If you do not assign a Web Dynpro application configuration, the system uses the default Web Dynpro application configuration available in SAP TM