

RM

REFERENCE

MANAGER

Configuring Loaded Switch Move Handling

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Overview

Loaded switch moves occur when a railcar is moved between locations by an originating carrier, typically to reposition for the next revenue trip, before the delivering carrier issues the true origin-to-destination waybill. When RAILTRAC® receives the switch move waybill first and the origin-to-destination waybill second, both sharing the same Car ID and Ship Date, the system filters the second waybill as a duplicate. The switch move trip remains open at the interim location, and the actual shipment never imports.

This guide walks through the four-step configuration that allows the switch move trip to be recognized and cycled correctly so that the origin-to-destination trip can be imported. The setup is performed in Reference Manager. The resulting trip behavior is observed in RAILTRAC® Advance™ (RTA).

Before You Begin

- Reference Manager Admin role
- The 417 import logic has been updated, or is scheduled to be updated, to differentiate same-car, same-ship-date imports by timestamp. Without this custom import-layer update, the second waybill is still filtered as a duplicate regardless of the Reference Manager configuration.

Important: Confirm with RT Support that the 417 import update has been applied in your environment before expecting the workflow to resolve end-to-end. Reference Manager configuration alone does not enable the second waybill to import.

Configuration Steps

Complete the four steps below in order. Each step builds on the prior step. The values shown (W, SWITCH, 25, LOADED SWITCH) are recommendations; substitute alternate codes only when an existing record in your environment already uses these values.

Step 1: Add the Customer Type Code (W - SWITCH)

Open Reference Manager and navigate to Customer Types Fact.

- Select the add (+) icon
- Customer Type - enter **W**
- Customer Type Description - enter **SWITCH**
- Select Save

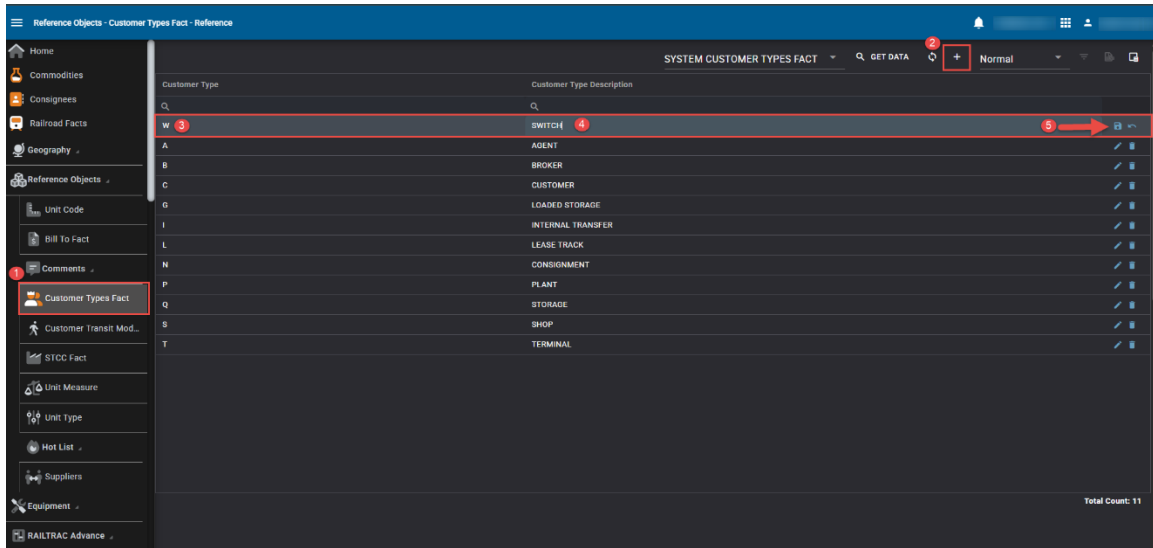


Figure 1. Customer Types Fact - adding the W (SWITCH) code

Step 2: Add the Shipment Type Code (25 - LOADED SWITCH)

Navigate to Shipment Types.

- Select the add (+) icon
- Shipment Type - enter **25**
- Shipment Type Description - enter **LOADED SWITCH**
- Select Save

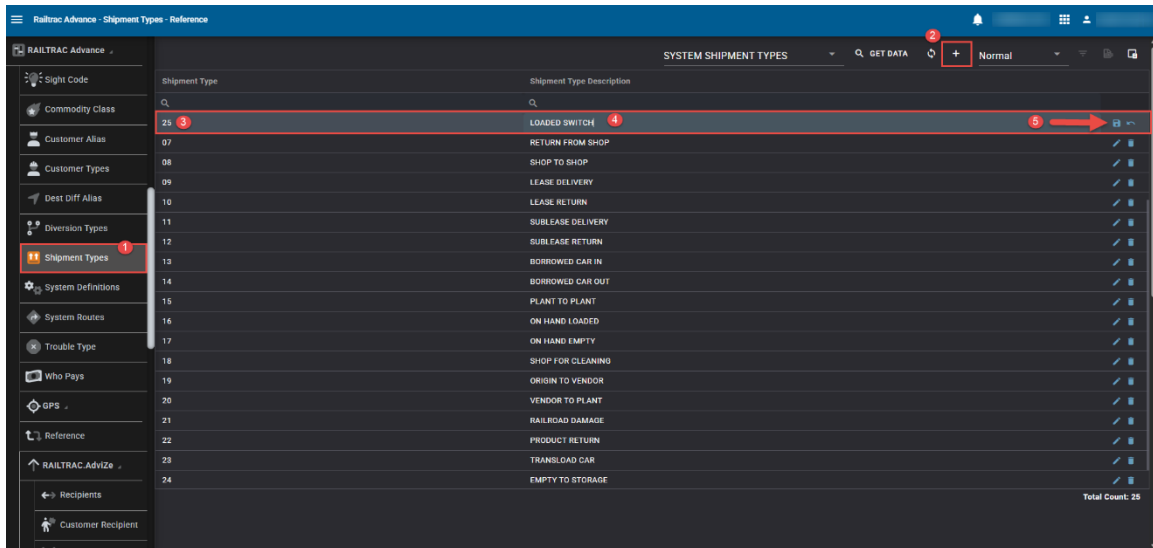


Figure 2. Shipment Types - adding the 25 (LOADED SWITCH) code

Step 3: Add the Customer Type Record

Navigate to Customer Types.

- Select the add (+) icon
- Customer Type - choose **W (SWITCH)**

- L/E - choose **LOAD**
- Begin Status - choose **2 (AT CONSIGNEE)**
- Ship Type - choose **25 (LOADED SWITCH)**
- Select Save

This record tells the system that when a loaded shipment imports for a consignee assigned to Customer Type W, the trip begins in Car Status 2 (AT CONSIGNEE) and carries Shipment Type 25.

Customer Type	Customer Type Description	L/E	Begin Status	Ship Type
(ALL)	(ALL)	(ALL)	(ALL)	(ALL)
W (SWITCH)	Q	LOAD	2 (AT CONSIGNEE)	25 (LOADED SWITCH)
A (AGENT)	AGENT	EMPTY	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
A (AGENT)	AGENT	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
B (BROKER)	BROKER	EMPTY	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
B (BROKER)	BROKER	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
C (CUSTOMER)	CUSTOMER	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
I (INTERNAL TRANSFER)	INTERNAL TRANSFER	EMPTY	1 (TO CONSIGNEE)	17 (ON HAND EMPTY)
I (INTERNAL TRANSFER)	INTERNAL TRANSFER	LOAD	1 (TO CONSIGNEE)	16 (ON HAND LOADED)
L (LEASE TRACK)	LEASE TRACK	EMPTY	1 (TO CONSIGNEE)	09 (LEASE DELIVERY)
N (CONSIGNMENT)	CONSIGNMENT	EMPTY	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
N (CONSIGNMENT)	CONSIGNMENT	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
Q (STORAGE)	STORAGE	EMPTY	1 (TO CONSIGNEE)	24 (EMPTY TO STORAGE)
R (SHOP)	SHOP	EMPTY	1 (TO CONSIGNEE)	05 (MAINTENANCE/TESTING)
C (CUSTOMER)	CUSTOMER	EMPTY	2 (TO ORIGIN)	01 (PLANT TO CUSTOMER)
T (TERMINAL)	TERMINAL	EMPTY	2 (TO ORIGIN)	01 (PLANT TO CUSTOMER)
P (PLANT)	PLANT	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
T (TERMINAL)	TERMINAL	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)
Q (STORAGE)	STORAGE	LOAD	1 (TO CONSIGNEE)	02 (PLANT TO STORAGE)
G (LOADED STORAGE)	LOADED STORAGE	LOAD	1 (TO CONSIGNEE)	01 (PLANT TO CUSTOMER)

Figure 3. Customer Types - linking W (SWITCH) to Begin Status 2 and Shipment Type 25

Step 4: Assign Customer Type W to the Relevant Consignees

Navigate to Consignees and open each consignee that represents a switch move location. These are typically railroad yards or interchange points where the originating carrier repositions cars before the revenue trip begins.

- Select the consignee record
- Consignee Type - choose **W (SWITCH)**
- Select Save

Repeat for each consignee used in switch moves. Only consignees assigned to Customer Type W produce trips that cycle under the switch move logic.

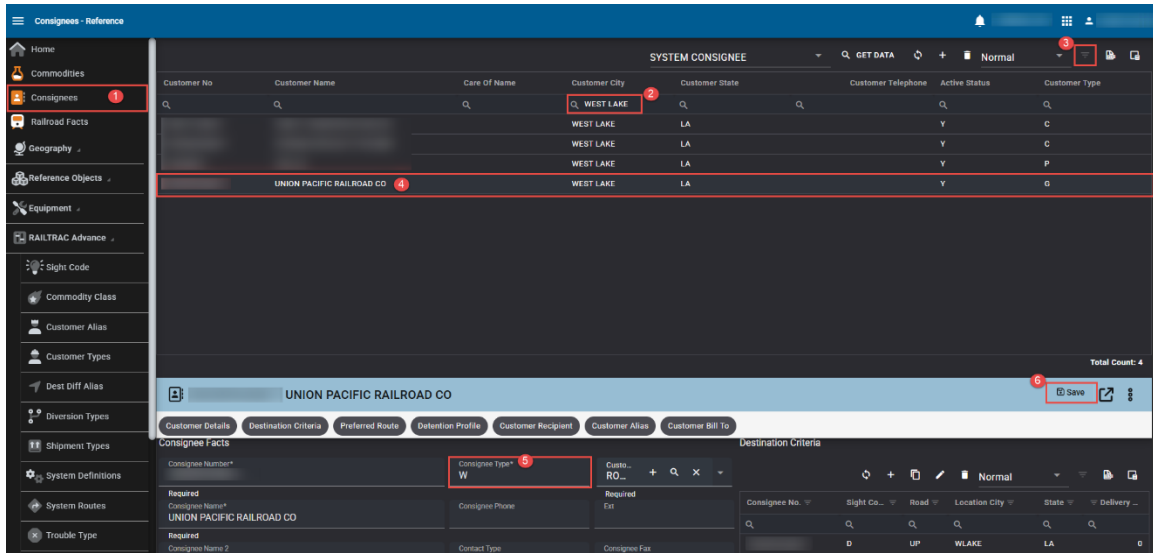


Figure 4. Consignees - assigning Consignee Type W to a switch move location

What This Accomplishes

With the four-step configuration in place, an imported 417 carrying a consignee assigned Customer Type W produces a trip that:

- Is Open, initiates in Car Status 2 (AT CONSIGNEE)
- Displays Shipment Type 25 (LOADED SWITCH)

Note: When a trip is in Car Status 2 (AT CONSIGNEE), a new shipment received for the same Car ID can import and start a new trip in Car Status 1 (TO CONSIGNEE) or Car Status 3 (TO ORIGIN).

Once the origin-to-destination waybill imports, the switch move trip closes, and the actual revenue trip takes over.

Validation

After the configuration is complete and the 417 import update is in place, validate against a known switch move car in RAILTRAC®.

- Confirm the switch move trip shows Shipment Type 25 and Car Status 2 on Shipment Details
- Confirm the origin-to-destination waybill imports successfully after the switch move
- Confirm the switch move trip is closed once the origin-to-destination trip begins cycling
- Confirm neither trip appears on Jeopardized Shipments under Destination Difference or Multiple Open shipments

Note: If validation does not produce the expected results, contact RT Support and include the Car ID, Ship Date, and the Consignee's Customer Number.

Related Documents

For additional details and related configuration, see the following Documents on RAILChannel®:

- Reference Manager: **Managing Customer Types**
- RAILTRAC® Advance™: **Trip Cycling**