

Situation 5
Filling the Car Order
Non-Perishable Freight

Prototype Equivalent

Many customers of a railroad both receive consignments and ship products. In most instances, there is no car immediately available for the outgoing shipment and they must contact their Freight Agent and order an empty car to be delivered to them that can then be loaded with the new shipment.

S&P Implementation

The Engineer/Conductor of an arriving wayfreight delivers a Car Order to the Yardmaster at Solomons Yard.

The Yardmaster checks the yard for available cars and tries to find an empty that matches the car being ordered.

If a suitable car is available, the Car Order is placed in the car card for that car, the car card/car order is placed in the Outgoing Wayfreight Box, and the car is classified in the next outgoing wayfreight.

If no suitable car is immediately available, the Car Order is placed in the Pending Car Orders Box until it can be filled.

As new empties arrive at the yard, the Yardmaster attempts to match them with any pending orders in the Pending Car Orders Box.

Situation ID Triggers

Car Order arrives at Solomons Yard