

# LTL — Less Than Truckload

Consolidated shipments routed through carrier network. Carrier determined automatically. Pick-up & Delivery document (PDD) pre-exists from Pickup Schedule. Consignment created after loading completes.

|                                       |                   |                          |  |
|---------------------------------------|-------------------|--------------------------|--|
| VARIANT ID<br>/SAP/LTL                | TOTAL STEPS<br>13 | HU PACKING<br>Mandatory  | PDD TIMING<br>Pre-exists (Pickup Schedule) |
| CONSIGNMENT<br>After loading complete |                   | TENDERING<br>Not enabled |  |

S/4HANA

1

Create Sales Order

MANUALS/4HANA

2

Create Outbound Delivery

MANUALS/4HANA

Triggers WarehouseShippingOrderRequest\_Out SOAP message to LGM Integration Service.

LGM SYSTEM — AUTOMATIC

3

Logistical Demand created

AUTO

LGM Integration Service processes the inbound SOAP message.

4

Transportation Request created

AUTO

Transportation Planning Service creates the TR from the Logistical Demand.

4a

Carrier Determination

AUTOManage Transportation Requests

Carrier assigned automatically. Manual assignment is available as a fallback if automatic determination fails.

5

Outbound Warehouse Request created

AUTO

Outbound Process Service creates the OWHR. Warehouse execution can now begin.

WAREHOUSE EXECUTION

6

Create Picking Warehouse Tasks

MANUALWarehouse Supervisor / OperatorManage Outbound WH Activities

7

Confirm Picking Warehouse Tasks

MANUALWarehouse OperativeManage Outbound WH ActivitiesLGM Mobile App

8

Pack Goods into HUs (Packing Work Center)

MANUALWarehouse OperativePacking Work Center

OWHR items assigned to Handling Units. HU packing is mandatory for LTL.

8a

Print Shipping Labels

OPTIONALWarehouse OperativePacking Work Center

9

Set Staging to Completed

MANUALWarehouse Supervisor / OperatorManage Outbound WH Activities

Updates TR status → "Ready for Shipping". Creates Package Transportation Requests from HU data.

9a

TR assigned to matching PDD (auto)

AUTO

The PDD was pre-created from the Pickup Schedule configuration (Manage Pickup Schedules). On staging completion the TR is matched and assigned to it.

DOCK & LOADING — PDD APP

10

Register Truck Arrival on PDD

MANUALWarehouse Operator (dock)Manage Pickups and Deliveries

11

Load Items onto Truck via PDD

MANUALWarehouse OperativeManage Pickups and Deliveries app

12

Complete Loading on PDD

MANUALWarehouse OperatorManage Pickups and Deliveries app

Triggers PDD Loading Completed Event

12a

Consignment created (auto)

AUTO

Transportation Planning Service creates the Consignment on receipt of PDD Loading Completed Event.

13

Post Goods Issue

MANUALWarehouse Supervisor / OperatorManage Outbound WH Activities

LGM sends WarehouseShippingAdvice\_In SOAP message back to S/4HANA. S/4HANA updates stock accordingly.

AUTO

System-triggered

MANUAL

User action required

OPTIONAL

Not mandatory

ROLE

Responsible role

APP

Fiori app used