

## FTL — Full Truckload

Complete truck exclusively used for the shipper. Full truckload subcontracting via Freight Order. Carrier assigned manually — no tendering in first version. PDD created before warehouse execution after Freight Order is subcontracted and confirmed.

VARIANT ID /SAP/FTL	TOTAL STEPS 15	HU PACKING Mandatory	PDD TIMING Before WH execution
PLANNING DOC Freight Order (no Consignment)	TENDERING Not enabled (v1)		

### 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.
- 5

Freight Order created (auto)  
AUTO  
Triggerred at TR creation with the FTL processing variant. Transportation Planning Service. A Freight Order is used instead of a Consignment for FTL.

### TRANSPORTATION PLANNER — FREIGHT ORDER MANAGEMENT

- 5a

Assign Vehicle Type to Freight Order  
MANUALTransportation PlannerFreight Order app  
Determines capacity availability and utilization.
- 5b

Assign Carrier to Freight Order  
MANUALTransportation PlannerFreight Order app  
Manual carrier assignment only. Tendering is not enabled in the first version of the design.
- 6

Subcontract Freight Order (send to carrier)  
MANUALTransportation PlannerFreight Order app  
Manual only in the first version of the design.
- 6a

Carrier Confirms Freight Order  
MANUALTransportation PlannerFreight Order app  
Transportation Planner records carrier confirmation manually in the Freight Order app.
- 7

PDD created (auto)  
AUTO  
Transportation Execution Service creates the PDD automatically after the Freight Order is subcontracted and confirmed. Warehouse execution can now begin.
- 8

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

### WAREHOUSE EXECUTION

- 9

Create Picking Warehouse Tasks  
MANUALWarehouse Supervisor / OperatorManage Outbound WH Activities
- 10

Confirm Picking Warehouse Tasks  
MANUALWarehouse OperativeManage Outbound WH ActivitiesLGM Mobile App
- 11

Pack Goods into HUs (Packing Work Center)  
MANUALWarehouse OperativePacking Work Center  
HU packing is mandatory (isHuMandatory=true).
- 11a

Print Shipping Labels  
OPTIONALWarehouse OperativePacking Work Center
- 12

Set Staging to Completed  
MANUALWarehouse Supervisor / OperatorManage Outbound WH Activities

### DOCK & LOADING — PDD APP

- 13

Register Truck Arrival on PDD  
MANUALWarehouse Operator (dock)Manage Pickups and Deliveries app  
No separate loading step — truck arrival is followed directly by Complete Loading.
- 14

Complete Loading on PDD  
MANUALWarehouse OperatorManage Pickups and Deliveries app
- 15

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						