

Tracking Harmonization

across SAP Business Network Freight Collaboration and
SAP Business Network Global Track and Trace



Agenda

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5. What does this mean for carriers?
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Introduction

Introducing: Tracking Harmonization, LFA-E-96

Innovation For: Shippers and carriers (FC), solution owners and data contributors (GTT)

Enablement Model: Automatically on, but users may decide for themselves when to switch to new application*

Feature Description:

Establish a harmonized tracking experience in SAP Business Network for Logistics. As of now, capabilities are distributed amongst SAP Business Network Freight Collaboration (FC) - Order Management and Dock Appointment Scheduling – and SAP Business Network Global Track and Trace (GTT).

In future, there will be a central table for tracking information and a common look and feel for manual event reporting via Web UI in the new '**Manage Freight Execution**' application. Tracking scenarios supported through FC and GTT were refined.

The current apps '**Track Freight Movement**' (available to shippers in FC) and '**Freight Orders for Reporting**' (available for carriers in FC) are replaced by the new app and are **planned to deprecated in May 2026**.

Tracking Harmonization

Solution For: SAP Business Network Freight Collaboration and SAP Business Network Global Track and Trace

Solution Area: Tracking execution

Persona: Shipper and carrier (FC), solution owner and carrier (GTT)



Key Benefits:

Shippers gain insights into shipment execution and can now report logistics execution events via new, enhanced 'Manage Freight Execution' application.

Carriers (FC and GTT) can report planned and unplanned events and view events reported by other business partners in the new 'Manage Freight Execution' application.

Solution owners can see events reported by their carriers via Web UI in their 'Track Shipments' application.

New app 'Manage Freight Execution'

User Story – Manage Freight Execution app for shippers

I want to gain insights into shipment execution to manage freight execution efficiently while being flexible in how to receive events.



Bob Smith
Shipper

I want to manage freight execution efficiently. My business partners shall be flexible in whether to report events manually via a web interface or B2B via API. In addition, I want to be able to report events on behalf of my business partners.

In the new application 'Manage Freight Execution' I can:

- View carrier's milestones
- Report planned and unplanned events
- Report an estimate or a delay
- View event history
- View attachments

User Story – Report events through web portal application

I want to effortlessly report events.



Thomas Miller
Carrier

Event reporting for freight execution needs to be simple. I want to be flexible in whether to report via B2B integration or manually through a web interface.

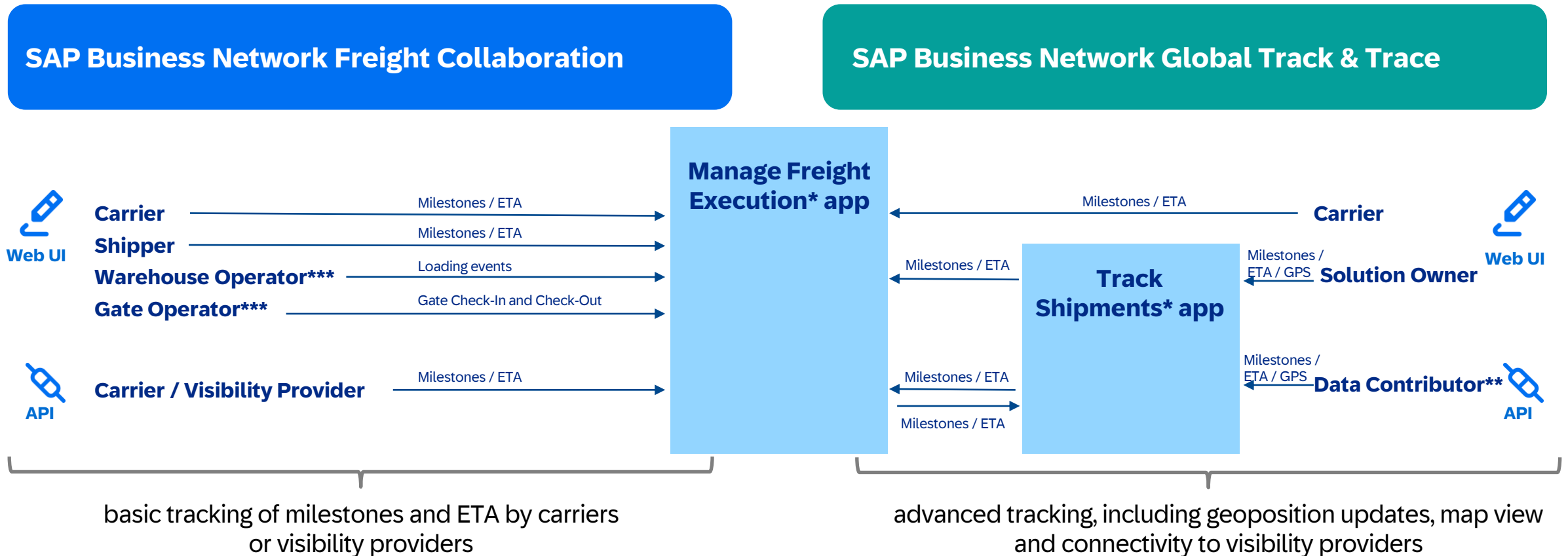
In the new application 'Manage Freight Execution' I can use web-based access to:

- Report milestone events
- Report planned and unplanned events including estimates
- Report delays on document- or event-level
- View event history

The following video describes how to work with the 'Manage Freight Execution' app

Use cases supported in FC and GTT moving forward

Use Case Differentiation When Using 'Manage Freight Execution' App



* Tracking for event reporting via the 'Manage Freight Execution' app may be initiated from S/4HANA, via subcontracting (only for freight orders) or via SAP Business Network Global Track and Trace. Events are synchronization back to S/4. Tracking of logistics processes by means of the 'Track Shipments' application is initiated from S/HANA and synced back to S/4.

** Data contributor can be visibility provider or carrier.

*** Reporting via 'Dock Appointment Scheduling' applications. Events are propagated to 'Manage Freight Execution' app.

Detail Comparison – Before and After SAP Business Network Freight Collaboration

Capability	Mode of Transport	Business Partner	Current option	Option after 2511
Milestone and ETA reporting via Web UI	Road	Carrier	✓	✓
Milestone and ETA reporting via Web UI	Ocean	Carrier	✗	✓
Milestone and ETA reporting via Web UI	Road, Ocean	Shipper	✗	✓
Map view (in 'Track Freight Movement' application)	Road, Ocean	Shipper	✓	✗
Milestone and ETA reporting via API	Road, Ocean	Carrier	✓	✓
Milestone and ETA reporting via API	Road, Ocean	Visibility Provider	✓	✓
Geoposition reporting via API	Road, Ocean	Carrier	✓	✗
Geoposition reporting via API	Road, Ocean	Visibility Provider	✓	✗
Loading and Uploading reporting via Web UI	Road	Warehouse Owner	✓	✓
Check-In and Check-Out reporting via Web UI	Road	Gate Operator	✓	✓

Detail Comparison – Before and After

SAP Business Network Global Track and Trace

Capability	Mode of Transport	Business Partner	Current option	Option after 2511
Milestone and ETA reporting via Web UI	Road, Ocean, Air, Parcel	Carrier	✗	✓
Milestone and ETA reporting via Web UI	Road, Ocean, Air, Parcel	Solution Owner	✓	✓
Map view (in all fulfillment tracking applications)	Road, Ocean, Air, Parcel	Solution Owner	✓	✓
Milestone and ETA reporting via API	Road, Ocean, Air, Parcel	Data Contributor*	✓	✓
Milestone and ETA reporting via API	Road, Ocean, Air, Parcel	Solution Owner	✓	✓
Geoposition reporting via Web UI	Road, Ocean, Air, Parcel	Data Contributor*	✗	✗
Geoposition reporting via Web UI	Road, Ocean, Air, Parcel	Solution Owner	✓	✓
Geoposition reporting via API	Road, Ocean, Air, Parcel	Data Contributor*	✓	✓
Geoposition reporting via API	Road, Ocean, Air, Parcel	Solution Owner	✓	✓

What does this mean for FC shippers and GTT solution owners?

Changes and Suggested Next Steps for Existing Customers

Customers subscribed to **SAP Business Network Freight Collaboration** using basic tracking

- Enhanced consistency in backend update
- Carriers and shippers can report milestones, ETA as well as unplanned events via 'Manage Freight Execution' app in Web UI
- Ocean freight tracking now available

Enablement steps

1. Notify business users about new application and add new role templates to role collection
2. Switch to new app 'Manage Freight Execution' before May 2026
3. Encourage your carriers to use the new 'Manage Freight Execution' application

Customers subscribed to **SAP Business Network Freight Collaboration** but want to leverage advanced tracking

- Enhanced consistency cross different SKUs and systems
- Carriers and shippers can report milestones, ETA as well as unplanned events via 'Manage Freight Execution' app in Web UI
- Geoposition updates and map view no longer supported

Enablement steps:

1. Subscribe to SAP Business Network Global Track and Trace for advanced tracking*
2. System configuration if you want to enable carrier reporting from web UI (see details on slides 9 and 10)
3. Notify business users about new application and add new roles to role collection
4. Switch to new app 'Manage Freight Execution' before May 2026
5. Encourage your carriers to use the new 'Manage Freight Execution' application

Customers subscribed to **SAP Business Network Global Track & Trace**

- Event reporting via 'Manage Freight Execution' app Web UI for carrier
- Solution owners can see events reported by carriers via web UI in their 'Track Shipments' app
- Also support SOAP message `TransportationOrderGenericTrackRequest_out` without IDOC extractor (limited scope, slide 9)

Enablement steps:

1. System Configuration if you want to enable carrier reporting from web UI (see details on slides 9 and 10)
2. Notify your carrier that they can use 'Manage Freight Execution' app to report event if requested (No impacts if customer just wants to leverage API for event reporting.)

FC shippers working with basic tracking

Enablement Steps & Notes

Customers subscribed to **SAP Business Network Freight Collaboration** using basic tracking

Admin users need to either create new role collection or add the new roles templates 'ManualReportingDisplayTemplate' and 'ManualReportingProcessTemplate' to existing role collections. If added to existing role collection then the users in that role collection will have access to the app. If a new role collection is created then the users should be added to that role collection.*

Select: Role

Role Name: Role Template: Application Identifier:

Role Name	Role Template	Application Identifier
☐ ManualReportingDisplayTemplate	ManualReportingDisplayTemplate	lbn-manualreporting-servicebroker-live1b1590
☐ ManualReportingProcessTemplate	ManualReportingProcessTemplate	lbn-manualreporting-servicebroker-live1b1590

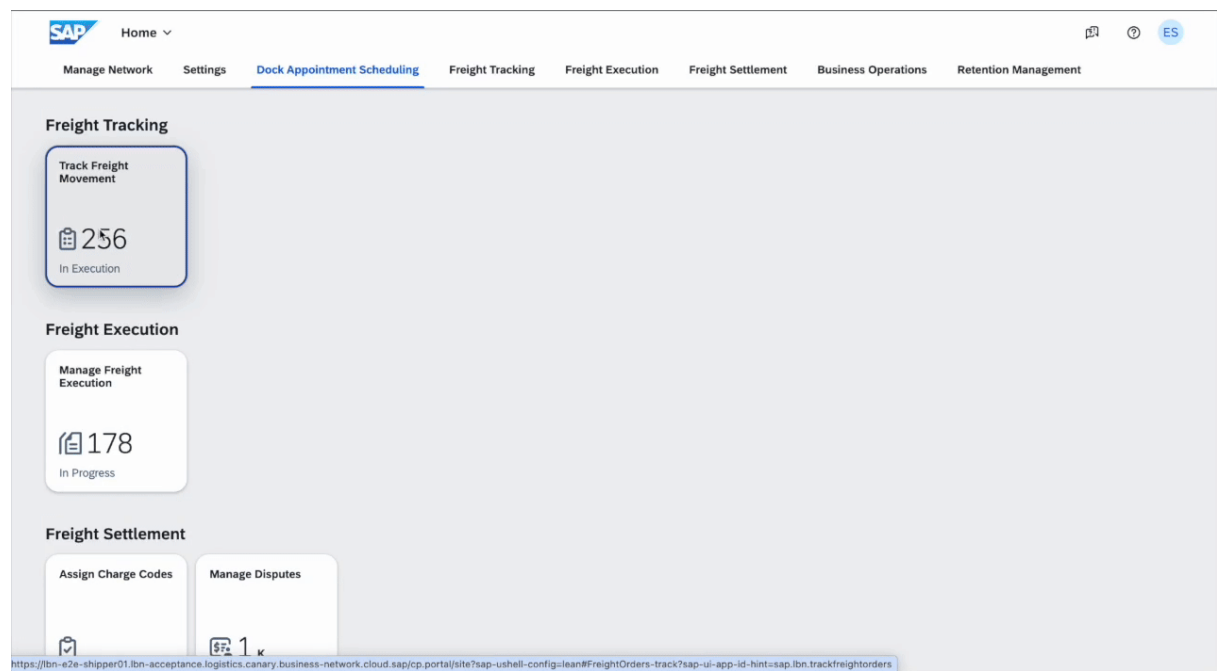
Selected Roles (0)

Add **Cancel**

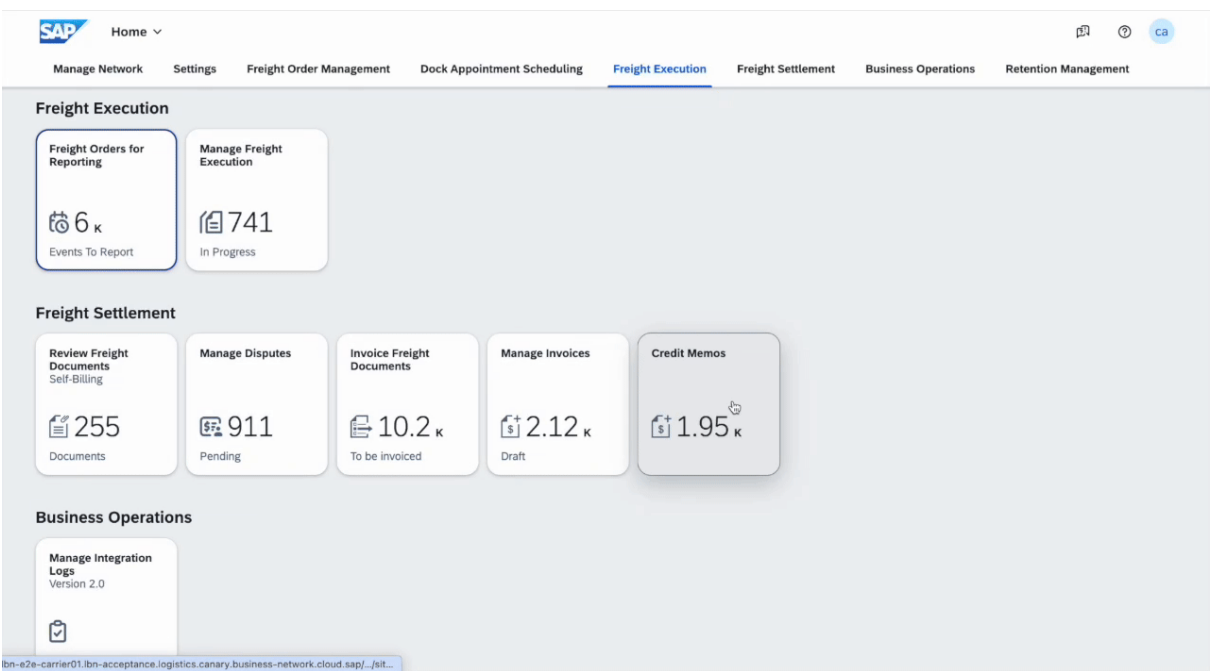
Start using the new application 'Manage Freight Execution' as soon as possible. However, the old applications 'Freight Orders for Reporting' and 'Track Freight Movement' can still be used until deprecation.

Deprecation of old apps

Shippers Track Freight Movement App



Carriers Freight Order for Reporting



Freight Document Reporting Options

Freight Document type	Reporting Method	Configuration	Change
Road Freight Order	Manual	Subcontracting / GTPRO	No change
	API	Requires GTPRO	No change
Ocean Freight Booking	Manual	Requires GTPRO	New Capability
	API	Requires GTPRO	No change

GTPRO - TransportationOrderGenericTrackedProcessRequest_Out message

No changes wrt System Connections or Configure partner connections configurations

**GTT solution owners only working through
B2B connectivity with data contributors**

GTT solution owners only works through B2B connectivity with data contributors

Enhanced functionality does not impact their current use case – no changes or next steps required.

GTT solution owners planning to request reporting via Web UI from some data contributors and FC shippers leveraging advanced tracking

Enablement Steps & Notes 1

Customers subscribed to **SAP Business Network Freight Collaboration** but want to leverage advanced tracking

Customers subscribed to **SAP Business Network Global Track & Trace**

1. Subscribe to SAP Business Network Global Track and Trace and [onboarded](#).
2. Decide how you want your freight documents to be tracked in GTT
 - Option 1: Use standard IDOC to send TM documents to GTT (recommend*). For more details, see [using standard extractor codes](#)
 - Option 2: Enable SOAP message (TransportationOrderGenericTrackedProcessRequest_Out) to send TM freight order/booking to GTT (via customer ticket, component SBN-LBN-INT)**
 - **Please choose 1 option ONLY**
3. [Replicate location](#) from S/4HANA to Location master of BN4L
4. [Maintain system ID and logical system ID](#) in 'System Connection' app (see screenshot)

The screenshot shows a web interface for managing system connections. At the top, there are two buttons: 'Activate Connections' and 'Configure Document Links'. Below these, the title 'QW9/170' is displayed. Underneath the title, the text 'QW9_170' is shown. To the left of this, there is a label 'System ID' with an upward-pointing arrow. To the right, there is a label 'Logical System' with a rightward-pointing arrow. In the center, there are four fields: 'Created By: gtt_apps@163.com', 'Created On: May 16, 2025', 'Inbound Status: Active', and 'Outbound Status: Active'. To the right of these fields is a field for 'Logical System ID: QW9CLNT170' with an edit icon (pencil) next to it.

- Steps applicable for customers subscribed to SAP Business Network Global Track and Trace.

*Pros: support advanced tracking, including FU, multiple tracking units (e.g. containers), events reported from S/4, customized events reporting, but requires additional configuration

** Pros: Less effort if you are already using this SOAP message for Track Freight Movement app, but limited scope, e.g. only FO and FB with one tracked object (e.g. 1 container per shipment)

Enablement Steps & Notes 2

Customers subscribed to **SAP Business Network Freight Collaboration** but want to leverage advanced tracking

Customers subscribed to **SAP Business Network Global Track & Trace**

6. Setup carrier manual reporting via WebUI

- [Invite](#) carriers to onboard via [Carrier Onboarding Guide](#) (Note: Please contact carrier onboarding team to map carrier LBN ID and carrier identifier, e.g. SCAC code to leverage Visibility Provider service. Or Maintain Alternate ID in Custom Header of 'Configure Partner Connection' app by entering "LBN_CUSTOM_CARRIER_ALT_ID" as Key and "SCAC#1234" as value)
- Maintain carrier's LBN ID in business partner master, e.g. [update Business' Partner LBN ID in S/4HANA](#)
- Maintain carrier LBN IDs in carrierListForManageFreightExecution value in Event-to-Action Script in gttft1 model
- To process events in the same way as in the 'Manage Freight Execution' app, you must set event status to be triggered by actual technical timestamp in the 'Manage Models' app - see [Edit the Tracked Process](#)
- Adjust entries in 'Configure Partner Connections' app e.g. previously maintained "SCAC#1234" should be replaced by the LBN ID - see [Create Partner Connection](#)

All carriers with LBN ID:

▼ User Script Before Standard Script

```
1 carrierListForManageFreightExecution = ["ALL"];
```

Specify defined carriers:

```
1 carrierListForManageFreightExecution = ["LBN#10010001262", "LBN#10002419"];
```

Edit Tracked Process of "Shipment"

FT1_SHIPMENT

Affect Planned Event Status By: *

Actual Technical Timestamp

7. Get shipper ready to work with 'Manage Freight Execution app' (optional)

- The admin users need to either create new role collection or add the new roles templates 'ManualReportingDisplayTemplate' and 'ManualReportingProcessTemplate' to existing role collections. If added to existing role collection then the users in that role collection will have access to the app. If a new role collection is created then the users should be added to that role collection.

General Information	General Information
Business Partner ID type: *	Business Partner ID type: *
SCAC	LBN ID
Business Partner ID Value: *	Business Partner (LBN ID): *
XXXX	GTT Data Contributor 03 (11010001206)
Network Partner (LBN ID): *	Network Partner (LBN ID):
P44 (10010001132)	P44 (10010001132)
Service: *	Service: *
Shipment Road Tracking FTL	
Business Partner Credential:	Business Partner Credential:

Prerequisites, Restrictions, Cautions

Additions per customer use case

Customers subscribed to **SAP Business Network Global Track & Trace**

Restrictions

- Overdue will not be transferred from GTT to 'Manage Freight Execution' app
- Track Shipment app can see all events reported from different sources, while 'Manage Freight Execution' app can only see predefined events
- User-defined model is not supported (currently we only support manual reporting through the standard gttft1 model)
- POD (Proof of Delivery) & POPU (Proof of Pickup) event must contain attachments
- Each shipment must at least have 2 stops, and each stop must have planned event(s)
- Ad-hoc location creation is not supported

Cautions

- Mapping carrier identifier with carrier LBN ID is essential if you want both carrier and visibility provider to report events. Please raise customer incident or contact carrier onboarding team and provide valid carrier identifier such as SCAC, DUNS, MAC id. Otherwise, you will need to maintain such mapping per carrier in the Custom Header section of the 'Configure Partner Connection' app.

uber corp (10002419) [Delete](#)
LBN ID

LBN ID

Business Partner (LBN ID):*

uber corp (10002419)

Network Partner (LBN ID):

data-contributor-05 (10010001107)

Service:*

Shipment Road Tracking FTL

Business Partner Credential:

Network Partner Credential:

Custom Headers

Headers (1) [+](#)

Key:*

LBN_CUSTOM_CARRIER_ALT_ID

Value:*

SCAC#XXXXX

When you want to have both visibility provider (via API) and carrier report events (via webUI)

Configure Partner Connection

General Information

Business Partner ID Type: *

SCAC

Business Partner ID Value: *

XXXXX

Network Partner (LBN ID): *

data-contributor-05 (10010001107)

Service: *

Shipment Road Tracking FTL

Business Partner Credential:

Network Partner Credential:

Custom Headers

Headers (0)

Business Partner (LBN ID): *

uber corp (10002419)

Network Partner (LBN ID):

data-contributor-05 (10010001107)

Service: *

Shipment Road Tracking FTL

Business Partner Credential:

Network Partner Credential:

Custom Headers

Headers (1)

Key: *

LBN_CUSTOM_CARRIER_ALT_ID

Value: *

SCAC#XXXXX

When you only want carrier to report events via WebUI

No need to make changes
in Configure Partner
Connection app

What does this mean for carriers?

Carriers using the legacy 'Freight Orders for Reporting' app

Carriers using the legacy 'Freight Orders for Reporting' app

Carriers currently using the 'Freight Orders for Reporting' app should start using the new 'Manage Freight Execution' app as soon as possible, leaving ample time for adoption before deprecation in May 2026.

Detailed how-to video for carriers on how to use the app can be found [here](#).

The screenshot displays the SAP 'Manage Freight Execution' app interface for a specific freight order. At the top, the header shows the SAP logo and the title 'Manage Freight Execution'. Below this, the order number '6100083907' is prominently displayed, followed by the origin and destination: 'Pat Warehouse Pvt Ltd. to Pat Warehouse Pvt Ltd.'. A 'Last updated' timestamp of '12:29 AM' and a 'Report' button are also visible.

The main section of the interface is divided into several key areas:

- Carrier Information:** Displays 'Carrier: LBN-EZE-CARR-01 LBN EZE Test Carrier 01', 'Mode of Transport: Road', 'Execution Status: In Transit', and 'Reporting Status: Reporting in Progress'.
- Departure Location:** Shows 'Pat Warehouse Pvt Ltd.' with a location pin icon and the date/time 'Sept 22, 2025, 3:30 AM UTC+53'.
- Arrival Location:** Shows 'Pat Warehouse Pvt Ltd.' with a location pin icon and the date/time 'Oct 3, 2025, 6:00 PM UTC+53'.
- Current Status:** Indicates 'As Planned' with a calendar icon and a warning 'Running Late by 3 days 0 hours'.

An 'Events Overview' section shows 'Planned: 8 Events' with a progress bar indicating 6 completed events (grey) and 2 pending events (red).

Below the overview, there are tabs for 'Information', 'Reference Documents (0)', 'Attachments (0)', 'Contacts', and 'Tracking References (0)'. The 'Information' tab is active, showing a detailed breakdown of the freight order:

General Data	Terms and Conditions	Cargo Information
Carrier: LBN-EZE-CARR-01 LBN EZE Test Carrier 01	Incoterm Location: BT_R_MOSCOW	Weight: 120 KGM
Bill of Lading: -	Movement Type: -	Volume: 190 LTR
Mode of Transport: Road	Shipping Type: Full Truck Load	Quantity: -
	Traffic Direction: -	Container ID: -
		Dangerous Goods: True

At the bottom, there are two additional sections: 'Voyage' and 'Transportation'.

**Carriers or data contributors connecting via
API or EDI**

Carriers or data contributors connecting via API or EDI

For carriers and data contributors currently reporting via API or EDI, there are **no changes**.

**Carriers or data contributors newly
required to report via the Web UI**

Carriers or data contributors newly required to report via the Web UI

Wait for your notification from your shippers / solution owners.

Carriers without an active account in SAP Business Network for Logistics will receive an invitation from their shipper or solution owner to join the network. A detailed guide to activating the account after receiving an invitation is available [here](#).

Further, shippers or solution owners need to notify their carriers if they want them to report via the new 'Manage Freight Execution' app. The carrier's administrator must assign the necessary roles in the 'User Management' app and inform the relevant business users.

A step-by-step tutorial video for carriers on using the 'Manage Freight Execution' app is available [here](#).

Where to find more information

Where to find more information



[SAP Help Portal – What's New](#)

[SAP Community blog on tracking harmonization](#)

[Feature detail deck on tracking harmonization](#)

[Carrier how-to video on 'Manage Freight Execution' app](#)

[SAP Business Network Freight Collaboration L2](#)

[SAP Business Network Global Track and Trace L2](#)

[Getting started with SAP Business Network for Logistics](#)

Thank you.

We are happy to answer your questions!



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