TMC SEA/ AIR

CARRIER TRAINING – AIRFREIGHT
## Agenda

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Introduction

Modules of the TMS

Transport Management (TM)
- Creation of transport orders
- Release of loads to carrier
- Documentation of transport status

→ Used by plants, TMC, suppliers/customers and carriers

Freight Cost Management (FM)
- Calculation of transport costs based on transported volumes and tariffs
- Automated credit note preparation
- Handling of carrier cost claims

→ Used by TMC and carriers
What does “TO” / “Load” mean?

**TO**
“Transport order”: Defines a dedicated shipment from a shipper to a consignee. All transport relevant information included, e.g. shipper and consignee pickup/deliver timeslots, locations, handling units, article quantities, weights and volumes.

**LOAD**
Is defined between pick-up and delivery (e.g. Supplier → hub, operated with a truck).
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TMC Sea/Air project – Air freight Introduction

Load assignment (air freight)

Prerequisite: Route is aligned with all parties and implemented in all relevant TMC IT systems.

- Standard process foresees load assignment until 4PM one day prior to transport start of load. In case of high volume shippers, also a later load assignment can occur based on prior alignment with LSP. No active load confirmation by LSP necessary.
- The load is going to be assigned to the LSP acc. to defined cut-offs (see below) via:
  - IFCSUM (EDI connection to RB EDI-manager required)
  - E-mail (Assignment list PDF)

### Load assignment: Cut-off time explanation

- **TO in inet 11am**
- **TO release cut-off 11 am**
- **Load cut-off 4 pm**
- **Pickup**

Load assignment 1 day prior to pickup until 4pm

Planned AF team is operating in CET time zone. Cut-off times are according to CET and have to be respected globally.
TMC Sea/Air project – Air freight Introduction
Comparison of air freight services

**BSA / Airbridge (A2A)**
- **Load 1**: Pre-carriage from Supplier to Origin gateway BUD
- **Load 2**: Main-carriage (BSA/A2A) from Origin gateway BUD to Destination gateway Shanghai
- **Load 3**: On-carriage from Destination gateway Shanghai to Plant

3 individual loads assigned to 3 LSPs separately:
- LSP-Pre resp. for pre-carriage to origin gateway
- LSP-Main resp. for Airport2Airport (A2A) service
- LSP-On resp. for on-carriage from destination gateway

**A2D**
- **Load 1**: Pre-carriage from Supplier to Origin gateway
- **Load 2**: Main-carriage (A2D) from Origin gateway to Destination gateway
- **Load 3**: On-carriage from Destination gateway to Plant

2 individual loads assigned to 2 LSPs separately:
- LSP-Pre resp. for pre-carriage to origin gateway
- LSP-Main responsible for Airport2Door (A2D) service incl. on-carriage from destination gateway

**D2A**
- **Load 1**: Main-carriage (D2A) from Supplier to Destination gateway
- **Load 2**: On-carriage from Destination gateway to Plant

2 individual loads assigned to 2 LSPs separately:
- LSP-Main responsible for Door2Airport (D2A) service incl. pre-carriage to origin gateway
- LSP-On resp. for on-carriage from destination gateway

**D2D**
- **Load 1**: Main-carriage (D2D) from Supplier to Destination gateway
- **Load 2**: On-carriage from Destination gateway to Plant

1 load assigned to only 1 LSP:
- LSP-Main responsible for Door2Door (D2D) service incl. pre-carriage to origin gateway and on-carriage from destination gateway

Responsibility of R-BAG Main (Road freight and Air freight)
Responsibility of LSP On (Road freight)
Available TMS clients depending on assigned service

- Whenever an LSP is responsible for main-carriage services starting or ending at airport gateways, a dedicated hub-client is set up in TMS to facilitate gateway operations.

- Hub client increases transparency for LSP in terms of gateway operations:
  - Visibility of incoming pre-carriages (shown in TMS and transmitted via IFCSUM).
  - Visibility of outgoing on-carriages (shown in TMS and transmitted via IFCSUM).

- Availability of client types based on provided air freight service:

<table>
<thead>
<tr>
<th>AF Service</th>
<th>Hub client – Origin gateway</th>
<th>Carrier client – Main-carriage</th>
<th>Hub client – Destination gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airport2Airport (BSA / A2A)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Several TMC processes require LSP information in TMS (status and shipment data)
IFTSTA can only be implemented if full set of required information is transmitted to TMS

### TMS Status / IFTSTA status code

<table>
<thead>
<tr>
<th>Service</th>
<th>Status (TMS)</th>
<th>Status (IFTSTA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF Pre</td>
<td>1. Collected</td>
<td>1. S02 – Cargo pickup</td>
</tr>
<tr>
<td></td>
<td>2. Delivered</td>
<td>2. S31 – delivered at hub origin</td>
</tr>
<tr>
<td>AF Gateway/Hub</td>
<td>Goods receipt at handling location</td>
<td>1. S32 – Freight On Hand Hub/CC Inbound</td>
</tr>
<tr>
<td></td>
<td>3. Documents arrived (Brazil only)</td>
<td>3. S24 – documents handover</td>
</tr>
<tr>
<td>AF Main</td>
<td>1. Collected</td>
<td>1. S02 – Cargo pickup</td>
</tr>
<tr>
<td></td>
<td>2. Aircraft departure</td>
<td>2. S18 – Shipment booked with carrier</td>
</tr>
<tr>
<td></td>
<td>3. Aircraft arrival</td>
<td>3. S04 – cargo departure</td>
</tr>
<tr>
<td></td>
<td>5. Cleared for import (opt.)</td>
<td>4. S07 – cargo arrival</td>
</tr>
<tr>
<td></td>
<td>6. Delivered</td>
<td>5. S30 – Customs release (opt.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6. S31 – delivered at destination</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional load and TO information</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required in TMS for TMC processes</td>
</tr>
</tbody>
</table>

#### Air freight
- Airline (Load)
- Airport of departure (Load)
- Airport of destination1 (Load)
- ETA (Load)
- ETD (Load)
- ATA (Load)
- ATD (Load)
- MAWB (Load)
- HAWB (TO)
- Flight no. (Load)
- Remark (Load)
## Agenda

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1. Open your internet browser and go to: https://solutions.inet-logistics.com/ls/Login?Lang=EN&Brand=BOSCH&LoginSystemId=INETIDP

2. Type in your username and password

3. Press “Login” to log into the TMS. You have to change your password the first time you log in

The password has to contain characters, digits and at least one special character (e.g. !@#$%^&*()_+-=\{|}[]:;<>?,./). The minimum password length is 8 characters.
In the TMS the following masks are available:

1. **Freight costs**
   - Freight cost claims can be placed here.

2. **Quote request** (not relevant)
   - Shows overview of all quote requests for additional transports.

3. **Loading List**
   - Shows overview of all loads. The “Goods collected/delivered” status is set here.

4. **Menu**
   - Configuration of default values
The loading list provides an overview on all loads assigned to a specific carrier. It is the starting point for the:

- Filling of load details
- Status setting
- Document up-/download
Load header with the details of the transport:

- Assigned carrier
- Load status
- Transport start date and time
- Transport end date and time
- Service (e.g. Road; Air etc.)
- Service level (e.g. Emergency)
- Route description
- Etc.
### Load details of current load:

- Number plate details
- Driver contact data
- Earliest delivery date
- Means of transport
- Truck/trailer dimensions
- Etc.

#### Load detail

<table>
<thead>
<tr>
<th>Load no.</th>
<th>1730120</th>
<th>Status</th>
<th>Load dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>DE5090</td>
<td>User</td>
<td></td>
</tr>
<tr>
<td>Service Provider</td>
<td>Test Carrier</td>
<td>Transport start</td>
<td>2023-04-20</td>
</tr>
<tr>
<td>Service</td>
<td>Road</td>
<td>Transport end</td>
<td>2023-06-01</td>
</tr>
<tr>
<td>Service-Limit</td>
<td>Road</td>
<td>Guide/Gap</td>
<td>Road trip</td>
</tr>
<tr>
<td>RO description</td>
<td>Road</td>
<td>Secured transport</td>
<td>No</td>
</tr>
<tr>
<td>Securing load in</td>
<td>Road</td>
<td>Unloading reference</td>
<td>Road</td>
</tr>
<tr>
<td>Transport code</td>
<td>Road</td>
<td>Note card</td>
<td>Road</td>
</tr>
</tbody>
</table>

#### Truck

- Number plate details
- Measurements of truck [m] (L, W, H): 13.8, 2.65, 2.5
- Measurements of trailer [m]: 8.0
- Driver name: John Doe
- Max. weight (kg): 30,000 kg
- Max. volume (m³): 140 m³
- Dangerous goods allowed: No

#### Transport list

<table>
<thead>
<tr>
<th>P Shet</th>
<th>Q Shet</th>
<th>Name/Address</th>
<th>Transport/References</th>
<th>Vehicle/Serial No.</th>
<th>Country/Region</th>
<th>Pick-up Delivery</th>
<th>Incidents</th>
<th>Weight [t]</th>
<th>Volume [m³]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>Test Carrier</td>
<td>1111203008</td>
<td>04-0808-180 SP</td>
<td>NE-0808-180 SP</td>
<td>16.04.2023 10:00</td>
<td>PCA</td>
<td>1500 kg</td>
<td>0.60 m³</td>
</tr>
</tbody>
</table>

---

**Image**: System demo Load details (3/4) with screen capture of load detail interface.
In the section “Transport list” you see an overview of all transport orders that are part of this load. A load can contain one or more transport orders.

- Pick-up and delivery sequence
- Transport order status
- Pick-up and delivery address
- Pick-up and delivery date time
- Volume/ weight

For more transport details click on transport order number.
The mask for transport order details is divided into five main parts:

1. **Order header**
   - Main transport order information and details

2. **Address information**
   - Detailed addresses of consignor and recipient

3. **Leg and transport information**
   - Details and times of assigned loads and transport order incl. known consignor information (e.g. RAKC ID)

4. **Carrier information**
   - Details of main-carryage (air freight) load (e.g. airline, flight no., HAWB)

5. **Package and article information**
   - Quantity, weight, volume, reference numbers etc.
System demo
Just two steps to ensure a reliable transport process

Transport goods with documentation & set status in system

Hand over & upload documents
Besides the IFCSUM EDI-message, an email will be sent as a load is assigned containing the load’s assignment list.

The assignment list contains all relevant transport information:

1. General transport information (transport start / end etc.)
2. Pickup and delivery address information
3. TO information (Incoterm, weight, volume etc.)
4. TO references (Known consignor, MRN, delivery note etc.)
5. Total load weight, volume, no. of packages
### How to set a status?

**Status of a road freight pre-carriage load in pilot phase**

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assigned</td>
<td>Load has been assigned to the carrier</td>
<td>TMC</td>
</tr>
<tr>
<td>Collected</td>
<td>Load/TO has been collected by Pre-carriage LSP</td>
<td>Pre-carriage LSP</td>
</tr>
<tr>
<td>Delivered</td>
<td>Load/TO has been delivered to origin gateway by Pre-carriage LSP</td>
<td>Pre-carriage LSP</td>
</tr>
</tbody>
</table>
How to set a status?
Required TM status and triggering events

The status has to be set after the triggering event:

- Pickup at supplier
- Delivery to origin gateway

Events:
- Collected
- Delivered
- Pre-carriage load
System demo
How to set the “Goods collected“ status?

The carrier is responsible for entering the mentioned status values shortly after the event took place. For setting the status you have to follow these steps:

- Step 1: Go to “Enter Status”
- Step 2: Select date and time of event
- Step 3: Confirm the status
How to set a status?

Step 1: Go to “Enter Status”

1. Go to loading list
2. Click on button "Selection of assigned load".
3. Click on button “Enter status” for the relevant load.
How to set a status?

Step 2: Select date and time of status

1. Select status
2. Select date of pick-up
3. Enter time of status event (Please use the format hh:mm e.g. 08:00)
4. Click on button “copy value” to enter the status for all TOs on this load
How to set a status?
Step 3: Confirm the status setting

Confirm status setting by clicking on the “Save” button

<table>
<thead>
<tr>
<th>Status</th>
<th>User: Bosch Test</th>
<th>Load assigned</th>
<th>Load collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / LM / Vol:</td>
<td>10000 kg / 8 LM / 25.68 M3</td>
<td>10000 kg / 8 LM / 25.68 M3</td>
<td></td>
</tr>
<tr>
<td>Transport start:</td>
<td>04.08.2014 13:00</td>
<td>04.08.2014 13:00</td>
<td></td>
</tr>
<tr>
<td>Transport end:</td>
<td>05.08.2014 16:00</td>
<td>05.08.2014 16:00</td>
<td></td>
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</table>
System demo
Just two steps to ensure a reliable transport process

Transport goods with documentation & set status in system

Hand over & upload documents
System demo
How to upload documents?

In case the MRN is issued by the carrier it is the carrier’s responsibility to upload the MRN document.

For uploading documents you have to follow these steps:

- Step 1: Select the relevant load
- Step 2: Access document management
- Step 3: Upload documents
How to upload documents?
Timeline for document upload

- Pickup at supplier
- Handover to airfreight carrier at airport of origin
- Upload MRN before handover to Main-carriage LSP at origin gateway
How to upload documents?

Step 1: Select the relevant load

1. Go to loading list
2. Click on button "Selection of assigned load": Overview of all assigned, collected and delivered loads
3. Click on button "Selection": Function for the searching by e.g. loading number, status of load or self-defined time periods
4. Click on the number of the relevant load. A new mask with the load details will open.
How to upload documents?
Step 2: Access document management

Access document management by clicking on button „Documents“ 🗂️
How to upload documents?

Step 3: Upload documents

1. Select relevant document type from the dropdown menu
2. Click on “Browse” button to search for the file to be uploaded
3. Click on “Add” to upload the document.
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System demo – Hub client
Log into the TMS

1. Open your internet browser and go to: https://solutions.inet-logistics.com/Iis/Login?Lang=EN&Branding=BOSCH&LoginSystemId=INETIDP
2. Type in your username and password
3. Press “Login” to log into the TMS.
   You have to change your password the first time you log in.
   The password has to contain characters, digits and at least one special character (e.g. !@#$%^&*()_+-|~=`\{}[]:";<>?),. The minimum password length is 8 characters.
In the TMS the following masks are available for a hub client:

1. **Order list**
   Shows overview of all TOs. Incoming and outgoing TOs are displayed and can be accessed.

2. **Loading list**
   Shows overview of all loads. Incoming and outgoing loads are displayed and can be accessed.

3. **Logout**
Following pre-filters can be applied:

A. TOs in status < “assigned”
   Shows overview of all TOs that are planned but not finally assigned to be shipped to/from specific hub.

B. TOs in status >= “assigned”
   Shows overview of all TOs that are already in status assigned or higher (e.g. collected) to be shipped to/from a specific hub. → Recommended

Order list of origin gateway hub client shows:
- Incoming TOs via road pre-carrige incl. delivery date, responsible carrier etc,
- Outgoing TOs via air main-carriage incl. pickup-date, responsible carrier etc.

The order list provides an overview on all TOs that are handled by the specific hub client.
The mask for transport order details is divided into five main parts:

1. **Order header**
   - Main transport order information and details

2. **Address information**
   - Detailed addresses of consignor and recipient

3. **Leg and transport information**
   - Details and times of assigned loads and transport order incl. known consignor information (e.g. RAKC ID)

4. **Carrier information**
   - Details of main-carriage (air freight) load (e.g. airline, flight no., HAWB)

5. **Package and article information**
   - Quantity, weight, volume, reference numbers etc.
System demo – Hub client

Loading list

Following pre-filters can be applied:

A. **Loads in status < “assigned”**
   - Shows overview of all loads that are planned but not finally assigned to be shipped to/from specific hub.

B. **Loads in status >= “assigned”**
   - Shows overview of all loads that are already in status assigned or higher (e.g. collected) to be shipped to/from a specific hub.

The loading list provides an overview on all loads that are or will be delivered to the specific hub. Furthermore, loads that are or will be picked up at the specific hub are shown.

Load and TO details can be accessed by clicking on the hyperlinked load/ TO ID.
Daily business

Just one step to ensure a reliable hub process
## How to set a status?

### Status of a TO during handover at origin gateway

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<tr>
<th>Status</th>
<th>Description</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goods receipt at handling location</td>
<td>TO has been received from LSP pre-carriage</td>
<td>Origin gateway LSP</td>
</tr>
<tr>
<td>Goods issue at handling location</td>
<td>TO has been handed over to LSP main-carriage / airline</td>
<td>Origin gateway LSP</td>
</tr>
</tbody>
</table>
How to set a status?
Required TM status and triggering events

The status has to be set after the triggering event:
System demo
How to set the “Goods collected“ status?

The carrier is responsible for entering the mentioned status values shortly after the event took place.
For setting the status you have to follow these steps:

- Step 1: Go to “Enter Status”
- Step 2: Select date and time of event
- Step 3: Confirm the status
How to set a status?

Step 1: Go to “Enter Status“

1. Go to loading list
2. Click on button "Selection of assigned load".
3. Click on button “Enter status“ for the relevant load.
How to set a status?
Step 2: Select date and time of status

1. Select status
2. Select date of pick-up
3. Enter time of status event (Please use the format hh:mm e.g. 08:00)
4. Click on button “copy value” to enter the status for all TOs on this load
How to set a status?
Step 3: Confirm the status setting

Confirm status setting by clicking on the “Save” button.
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Daily business

Just three steps to ensure a reliable transport process

1. Fill load details after receiving a load assignment
2. Transport goods with documentation & set status in system
3. Hand over & upload documents
1. Open your internet browser and go to: https://solutions.inet-logistics.com/ls/Login?Lang=EN&Branding=BOSCH&LoginSystemId=INETIDP

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In the TMS the following masks are available:

1. **Freight costs**
   - Freight cost claims can be placed here.

2. **Quote request** (not relevant)
   - Shows overview of all quote requests for additional transports.

3. **Loading List**
   - Shows overview of all loads. The “Goods collected/delivered” status is set here.

4. **Menu**
   - Configuration of default values
The loading list provides an overview on all loads assigned to a specific carrier. It is the starting point for:

- Filling of load details
- Status setting
- Document up-/download
Load header with the details of the transport:
- Assigned carrier
- Load status
- Transport start date and time of load
- Transport end date and time of load
- Service (e.g. Sea FCL; Air etc.)
- Service level (e.g. Standard)
- RO Description (e.g. “BSA | FRA-PVG”)

Not relevant: Address information
Air freight specific details of current load:

- Main carrier
- Airport of departure, destination
- Flight numbers
- ETD, ETA
- MAWB etc.
In the section “Transport list” you see an overview of all transport orders that are part of this load. A load can contain one or more transport orders.

- Pick-up and delivery sequence
- Transport order status
- HAWB
- Pick-up and delivery address
- Pick-up and delivery date time
- Volume/ weight

For more transport details, click on hyperlinked transport order number.
The mask for transport order details is divided into five main parts:

1. **Order header**
   - Main transport order information and details

2. **Address information**
   - Detailed addresses of consignor and recipient

3. **Leg and transport information**
   - Details and times of assigned loads and transport order incl. known consignor information (e.g. RAKC ID)

4. **Carrier information**
   - Details of main-carriage (air freight) load (e.g. airline, flight no., HAWB)

5. **Package and article information**
   - Quantity, weight, volume, reference numbers etc.
Daily business
Just three steps to ensure a reliable transport process

1. Fill load details after receiving a load assignment
2. Transport goods with documentation & set status in system
3. Hand over & upload documents
Besides the IFCSUM EDI-message, an email will be sent as a load is assigned containing the load’s assignment list.

The assignment list contains all relevant transport information:

1. **General transport information** (transport start / end etc.)
2. **Pickup and delivery address information**
3. **TO information** (Incoterm, weight, volume etc.)
4. **TO references** (Known consignor, MRN, delivery note etc.)
5. **Total load weight, volume, no. of packages**
The carrier is responsible for entering load details, e.g. Flight number, MAWB and HAWB in the TMS. For entering load details you have to follow these steps:

- Step 1: Select the relevant load
- Step 2: Enter load details
How to enter load details?
Step 1: Select the relevant load

1. Go to loading list
2. Click on button "Selection of assigned load": Overview of all assigned, collected and delivered loads
3. Click on button "Selection": Function for the searching by e.g. loading number, status of load or self-defined time periods
4. Click on the number of the relevant load. A new mask with the load details will open.
How to enter load details?

Step 2: Enter load details (1/II)

1. Enter “Main carrier”
2. Enter Airport of departure/destination
3. Enter ETD/ATD/ETA/ATD
4. Enter MAWB number
5. Enter flight numbers
6. Save your changes by clicking on the “Save changes” button.
How to enter load details?
Step 2: Enter load details (2/II)

1. Select function “Save House AWB / B/L on transport order(s)
2. Select one or more TOs by marking the checkbox 🆗
   * HINT: In case all TOs belong to the same HAWB you can mark the checkbox above to mark all TOs in one step
3. Enter HAWB of respective TO(s)
4. Store HAWB no. by clicking the button “Apply function on selected transport order(s)” 🗡️
5. Entered HAWB no. is shown below Transport order no.
System demo
Just three steps to ensure a reliable transport process

1. Fill load details after receiving a load assignment
2. Transport goods with documentation & set status in system
3. Hand over & upload documents
## How to set a status?

### Status of a air freight main-carriage load

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assigned</td>
<td>Load has been assigned to the carrier</td>
<td>TMC</td>
</tr>
<tr>
<td>Collected</td>
<td>Load/TO has been collected at pickup location by Main-carriage LSP</td>
<td>Main-carriage LSP</td>
</tr>
<tr>
<td>Aircraft departure</td>
<td>Load/TO has been departed with dedicated aircraft</td>
<td>Main-carriage LSP</td>
</tr>
<tr>
<td>Aircraft arrival</td>
<td>Load/TO has been arrived with dedicated aircraft</td>
<td>Main-carriage LSP</td>
</tr>
<tr>
<td>Delivered</td>
<td>Load/TO has been delivered to delivery location Main-carriage LSP</td>
<td>Main-carriage LSP</td>
</tr>
</tbody>
</table>
How to set a status?

Required TM status and triggering events

The status has to be set after the triggering event:

- **Pre-carriage load**
- **Handover at origin gateway**
- **Main-carriage load**
- **Aircraft departed**
- **Aircraft arrived**
- **Delivery of goods at dest. gateway**
- **Aircraft departed**
- **Aircraft arrived**
- **Delivery of goods at dest. gateway**
- **On-carriage load**

*Note: Airport to Airport (e.g. BSA)*
The carrier is responsible for entering the mentioned status values shortly after the event took place.

For setting the status you have to follow these steps:

- Step 1: Go to “Enter Status”
- Step 2: Select date and time of event
- Step 3: Confirm the status
How to set a status?

Step 1: Go to “Enter Status”

1. Go to loading list
2. Click on button "Selection of assigned load".
3. Click on button “Enter status” for the relevant load.
How to set a status?

Step 2: Select date and time of status

1. Select status
2. Select date of pick-up
3. Enter time of status event (Please use the format hh:mm e.g. 08:00)
4. Click on button “copy value” to enter the status for all TOs on this load
How to set a status?

Step 3: Confirm the status setting

Confirm status setting by clicking on the “Save” button.
System demo

Just three steps to ensure a reliable transport process

1. Fill load details after receiving a load assignment
2. Transport goods with documentation & set status in system
3. Hand over & upload documents
System demo
How to upload documents?

The carrier is responsible for uploading the air freight relevant documents:
- MAWB, HAWB, manifest

For uploading documents you have to follow these steps:

- Step 1: Select the relevant load
- Step 2: Access document management
- Step 3: Upload documents
How to upload documents?

Timeline for document upload

- Pickup at supplier
- Handover to airfreight carrier at airport of origin
- Handover from airfreight carrier at airport of destination
- Delivery to handover location

Upload air freight documents (latest acc. to aircraft departure)
How to upload documents?

Step 1: Select the relevant load

1. Go to loading list

2. Click on button "Selection of assigned load": Overview of all assigned, collected and delivered loads

3. Click on button "Selection": Function for the searching by e.g. loading number, status of load or self-defined time periods

4. Click on the number of the relevant load. A new mask with the load details will open.
How to upload documents?
Step 2: Access document management

Access document management by clicking on button „Documents“.
### How to upload documents?

**Step 3: Upload documents**

<table>
<thead>
<tr>
<th>Steps</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select relevant document type from the dropdown menu.</td>
</tr>
<tr>
<td>2</td>
<td>Click on “Browse” button to search for the file to be uploaded.</td>
</tr>
<tr>
<td>3</td>
<td>Click on “Add” to upload the document.</td>
</tr>
</tbody>
</table>

![Image of the document upload process](image-url)
<table>
<thead>
<tr>
<th>Topic</th>
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<td><strong>Destination gateway:</strong> What are the carrier’s tasks? How to work with the system?</td>
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</tr>
</tbody>
</table>
1. Open your internet browser and go to: https://solutions.inet-logistics.com/ls/Login?Lang=EN&Brandi ng=BOSCH&LoginSystemId=INETIDP

2. Type in your username and password

3. Press “Login” to log into the TMS. You have to change your password the first time you log in.

The password has to contain characters, digits and at least one special character (e.g. !@$%^&*()_+-|~-=\{}[":;<>?,./). The minimum password length is 8 characters.
In the TMS the following masks are available for a hub client:

1. **Order list**
   Shows overview of all TOs. Incoming and outgoing TOs are displayed and can be accessed.

2. **Loading list**
   Shows overview of all loads. Incoming and outgoing loads are displayed and can be accessed.

3. **Logout**
Following pre-filters can be applied:

A. TOs in status < “assigned”
   Shows overview of all TOs that are planned but not finally assigned to be shipped to/from specific hub.

B. TOs in status >= “assigned”
   Shows overview of all TOs that are already in status assigned or higher (e.g. collected) to be shipped to/from a specific hub. → Recommended

The order list provides an overview on all TOs that are handled by the specific hub client.

Order list of origin gateway hub client shows:
- Incoming TOs via road pre-carriage incl. delivery date, responsible carrier etc,
- Outgoing TOs via air main-carriage incl. pickup-date, responsible carrier etc.

Order list

System demo – Hub client
Order list
The mask for transport order details is divided into five main parts:

1. **Order header**
   - Main transport order information and details

2. **Address information**
   - Detailed addresses of consignor and recipient

3. **Leg and transport information**
   - Details and times of assigned loads and transport order incl. known consignor information (e.g. RAKC ID)

4. **Carrier information**
   - Details of main-carriage (air freight) load (e.g. airline, flight no., HAWB)

5. **Package and article information**
   - Quantity, weight, volume, reference numbers etc.
Following pre-filters can be applied:

A  Loads in status < “assigned”
   Shows overview of all loads that are planned but not finally assigned to be shipped to/from specific hub.

B  Loads in status >= “assigned”
   Shows overview of all loads that are already in status assigned or higher (e.g. collected) to be shipped to/from a specific hub.

The loading list provides an overview on all loads that are or will be delivered to the specific hub. Furthermore, loads that are or will be picked up at the specific hub are shown.

Load and TO details can be accessed by clicking on the hyperlinked load/TO ID.
Daily business
Just one step to ensure a reliable hub process

Set status in system
### How to set a status?

**Status of a TO during handover at origin gateway**

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goods receipt at handling location</td>
<td>TO has been received from LSP main-carriage / airline</td>
<td>Dest. gateway LSP</td>
</tr>
<tr>
<td>Goods issue at handling location</td>
<td>TO has been handed over to LSP on-carriage</td>
<td>Dest. gateway LSP</td>
</tr>
</tbody>
</table>
How to set a status?

Required TM status and triggering events

The status has to be set after the triggering event:
The carrier is responsible for entering the mentioned status values shortly after the event took place. For setting the status you have to follow these steps:

- Step 1: Go to “Enter Status”
- Step 2: Select date and time of event
- Step 3: Confirm the status
How to set a status?

Step 1: Go to “Enter Status”

1. Go to loading list
2. Click on button "Selection of assigned load".
3. Click on button “Enter status“ for the relevant load.
How to set a status?
Step 2: Select date and time of status

1. Select status
2. Select date of pick-up
3. Enter time of status event (Please use the format hh:mm e.g. 08:00)
4. Click on button “copy value” to enter the status for all TOs on this load
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## Tasks of carriers in exception handling

### Exceptions in transport management

<table>
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<tr>
<th>Exception Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier is late for pick up with notification</td>
</tr>
<tr>
<td>Carrier fails to pick up advised volume</td>
</tr>
<tr>
<td>Carrier has lost the shipment</td>
</tr>
<tr>
<td>Load damage</td>
</tr>
<tr>
<td>Customs issue</td>
</tr>
<tr>
<td>Carrier is late for delivery with notification</td>
</tr>
<tr>
<td>Recipient delays delivery</td>
</tr>
<tr>
<td>Documents (e.g. MRN) are not uploaded into iTMS</td>
</tr>
</tbody>
</table>
Tasks of carriers in exception handling

What to do in case of an exception?

In case an exception occurs please always contact the TMC via phone or e-mail!

Phone: +49 711 81117758 (CN)
E-Mail: TMC_CN_AIR@bosch.com

Carriers are responsible for:

- Contacting the TMC in case an exception occurs
- Communicating precisely (Load number, issue)
- Supporting the exception solving process

The TMC is responsible for:

- Handling of exceptional situations
- Coordinating and controlling the exception solving process
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Support

Internet browsers

Please use the following link to get access to the TMS:

English:
» https://solutions.inet-logistics.com/ls/Login?Lang=EN&Branding=BOSCH&LoginSystemId=INETIDP

German:
» https://solutions.inet-logistics.com/ls/Login?Lang=DE&Branding=BOSCH&LoginSystemId=INETIDP
Support
Whom to contact?

Contact the TMC
Phone: +49 711 81117758 (CN)
E-Mail: TMC_CN_AIR@bosch.com

- Exception handling
- All issues regarding your TMS account (e.g. new users, forgotten password)
## Glossary

<table>
<thead>
<tr>
<th>Abbreviations</th>
<th>Explanations</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOR</td>
<td>Alternative Operative Route</td>
</tr>
<tr>
<td>A2A</td>
<td>Airport to Airport</td>
</tr>
<tr>
<td>A2D</td>
<td>Airport to Door</td>
</tr>
<tr>
<td>BSA</td>
<td>Blocked Space Agreement</td>
</tr>
<tr>
<td>D2A</td>
<td>Door to Airport</td>
</tr>
<tr>
<td>D2D</td>
<td>Door to Door</td>
</tr>
<tr>
<td>FM</td>
<td>Freight Cost Management</td>
</tr>
<tr>
<td>FTL</td>
<td>Full truck load</td>
</tr>
<tr>
<td>LSP</td>
<td>Logistics Service Provider</td>
</tr>
<tr>
<td>LTL</td>
<td>Less than truck load</td>
</tr>
<tr>
<td>OD</td>
<td>Origin-Destination</td>
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<td>POD</td>
<td>Proof of delivery</td>
</tr>
<tr>
<td>PU/DL</td>
<td>Pick up/ Delivery</td>
</tr>
<tr>
<td>RB</td>
<td>Robert Bosch</td>
</tr>
<tr>
<td>RT</td>
<td>Round Trip</td>
</tr>
<tr>
<td>SL</td>
<td>Service Level</td>
</tr>
<tr>
<td>SOR</td>
<td>Standard Operative Route</td>
</tr>
<tr>
<td>TM</td>
<td>Transport Management</td>
</tr>
<tr>
<td>TMC</td>
<td>Transport Management Center</td>
</tr>
<tr>
<td>TMS</td>
<td>Transport Management System</td>
</tr>
<tr>
<td>TO</td>
<td>Transport Order</td>
</tr>
<tr>
<td>T&amp;T</td>
<td>Track and Trace</td>
</tr>
</tbody>
</table>
TMC Sea/Air - New process for transport ordering

Explanation of Container Stackability

Stackability: 1 (not stackable)

Stackability: 2

Stackability: 3

Stackability: 99/999 (unlimited)
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