# TMC SEA/AIR

#### TRAINING SEA FREIGHT: LSP MAIN FCL/FCL - TMS



### Agenda

Торіс	Content
Introduction	BOSCH TMC/TMS – what is it about?
Setup	What are the steps to get the process established?
Daily Business & System Demo	What are the carrier's tasks? How to work with the system?
Exceptional handling	What might happen and how to act?
Wrap up and Support	Short summary of most important topic and information about support
Feedback	What topics / questions are still open? What is your feedback?



#### Introduction BOSCH TMC and TMS

ТМС	TMS
= Transport Management Center	= Transport Management System
The TMC is a cross-divisional unit that is pre- planning, optimizing and coordinating transports as well as handling transport exceptions.	<text><list-item></list-item></text>



### Introduction Modules of the TMS

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#### 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



 $\rightarrow$  Used by TMC and carriers



### Introduction **Benefits of TMS**

Internal | CP/LOG-T3, 4flow

TMC Sea/Air

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Delivery Wednesday 12:00 - 13:00Suppliers

BOSC

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#### Setup Transport order (TO) vs. load



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### Daily business

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Just three steps to ensure a reliable transport process

Fill load details after receiving a load assignment

Transport goods with documentation & set status in system

Hand over & upload documents



### System demo Log into the TMS

10



Open your internet browser and go to: http://solutions.inetlogistics.com/ls/Login?Lang=EN&Brandi ng=BOSCH

Type in your username and password Press "Start" 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.



#### System demo Main menu – Carrier client

	1 2 3 🙈	4
Username: •	😥 Freightcosts 🔲 Quote request 📔 Loading list 🗮 Me	nu
⊕ Client: ✓ <i>P</i>		
Information		
You are logged on to the system - please choose the function you need		

In the TMS the following masks are available:

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

11

Configuration of default values



### System demo Loading list

12

BOSCH Contraction											
Userna	am	e: Ithility, it	A, p. malinians				Quote requ	Jest 📃	Loading list	]=	Menu
Client:											
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т&т		<u>Status</u>	Load RO description	Transport order	Tour stops	Country / ZIP/ City	Pickup	T. mode ST/RT	No. colli Weight	LM m <sup>a</sup>	<u>%</u>
03	0	assigned	2051495 STD_D2D_C_R	VEA31891740	Very lease to a strain the second sec	DE-66424 Homburg US-18020 PA BETHLEHEM	05.05.2020 11.05.2020	AIR Single trip	7 CLL 167 [kg]	0.25	
03	0	assigned	2051928 Oversize SPOT	11067488	Vice particular	DE-97520 Roethlein US-28273 NC CHARLOTTE	05.05.2020 11.05.2020	AIR Single trip	1 CLL 80 [kg]	0.24	
03	0	assigned	2052005 STD_D2D_B_B	VE31863201	Della Printe Science -	PT-3880-728 OVAR US-29651 SC GREER	05.05.2020 12.05.2020	AIR Single trip	15 CLL 1610 [kg]	16.56	
03	0	assigned	2052385 OV SPOT	11058475	(c) Existing share the Ordert Part (restored from the type).	DE-70806 Kornwestheim IN-641035 Tamil Nadu	08.05.2020 15.05.2020	AIR Single trip	4 CLL 986 [kg]	6.81	
03	0	assigned	2052777	11068366	Total Index (parts.	DE-97525 Schwebheim US-28273 NC CHARLOTTE	07.05.2020 14.05.2020	AIR Single trip	4 CLL 95 [kg]	0.29	
03	0	assigned	2052999 STD_D2D_C_R	VEA31895244	Version and American Street, a	DE-90441 Nürnberg US-18020 PA BETHLEHEM	06.05.2020 11.05.2020	AIR Single trip	13 CLL 251 [kg]	0.51	
03	0	assigned	2053004 STD_D2D_B_B	VE31871827	Contractor in the second second	FR-14540 Grentheville US-29483 SC Summerville	06.05.2020 14.05.2020	AIR Single trip	1 CLL 229 [kg]	1.20	
03	0	assigned	2053527 STD_D2D_B_B	VE31095129	Tend (Convert Accession Results and	FR-39300 Sirod US-29483 SC Summerville	06.05.2020 13.05.2020	AIR Single trip	1 CLL 83 [kg]	0.22	
<b>1</b> 3	0	assigned	2054349 STD_D2A	VEA30776471	Contrast Residence in Street S	DE-72770 Reutlingen IN-560300 Bangalore	07.05.2020 12.05.2020	AIR Single trip	5 CLL 403 [kg]	2.85	٢
03	0	assigned	2054452 STD_D2D_C_R	VEA31914248	Tate (Inc.) Lafe, Inc.). April 8000 Resolution	DE-97816 Lohr US-18020 PA BETHLEHEM	07.05.2020 12.05.2020	AIR Single trip	22 CLL 4144 [kg]	5.86	
03	0	assigned	2054456	11069756	ward statements.	DE-97525 Schwebheim US-28273 NC CHARLOTTE	08.05.2020 15.05.2020	AIR Single trip	1 CLL 325 [kg]	0.12	
03	0	assigned	2055827 STD_D2A_C_N	11070752	Manager Street and Add Street	IT-24060 Adrara San Martino US-30320 GA Atlanta	08.05.2020 11.05.2020	AIR Single trip	3 CLL 46 [kg]	0.15	

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



### System demo Load details (1/3)

Uberrame:					_	-	
Clerch:  Control  Contro  Control  Control  Control  Control  Control  Control  Con	Username:				💭 Scheduling	Loading list / EDI 🚯 Freightcosts	E Menu
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Service Metal Se	Service provider	Dummy_Carrier_AnS	(FF4C001005)	0>	Weight / LM / Vol	13.60 kg / 0.026 LM / 0.125 m <sup>4</sup>	
Serios Level 2 Panded 2  P	Service	SEA FCL		~	Transport start *	09.05.2020 18:30	
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t of Loading DEBRY / D Bremerhaven Voyage no. 115W01. t of Discharge Ch544 / D Shanghal Booking no.	Consignor Consignor Company Co	Recipient Certainer10 Autorise Penso H350384109 P P P P P P	Not	fy Not ρ Seal Method Vu  V	Aly 2 Weighing: Cartad person Proce Rec. ethal State/Province Non co. Non co.	Party Gross (sg) Volume (m <sup>2</sup> ) L/W//H(m <sup>2</sup> ) 2300 2255 00 (2077) 22024/ 2350 01 (2077)	
rt of Discharge CNSHA o Shanghai Booking no.	Consignor Durationer ID Company * Company * Co	Procipient  Container ID  Cont	Noti Wegen ID	fy Not	Hy 2 Weighing: Certad person Proce Fac. ethal State, Photoso State, Photoso Cercup M.B.C. No. B.L. Turitino. Occes-wated name	Party Gross (vg) Volume (m <sup>4</sup> ) L/WH/Imm( 12004.1,2000.01,2007.02 ISS00.1,2000.01,2007.02 ISS00.1,2007.02 ISS00	
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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. Sea FCL; Air etc.)
- Service level (e.g. LCL-FCL)
- Route description

ATD

Number plate truck

Container provision

Empty container needed

Dangerous goods allowed

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ATA

Number plate traile

Max. volume (m\*)

Max. LM [%6]



### System demo Load details (2/3)

BOSCH HERE	inet inet
Username:	💭 Scheduling 🧮 Loading list / EDI 🚳 Freightcosts 🗮 Menu
Clerit	1 m 1
Load detail	
Load no.         1319685           Name*	Status         Load in progress           User         Image: Comparison of the compariso
Consignor Recipient Notify Notify	y 2 Weighing Party
Custome 10C	Contact person Proce Face ANN
Loading / unloading place Street* <u>Countroy / ZIP / Chy*</u>	Sate/Province
Equipment EQ0 Qby* Type* Container ID Wagon ID Seal Authorized Person Method	Non op.         Tare [kg]         Gross [kg]         Volume [m <sup>4</sup> ]           Rester         VGM [kg]         L / W / H [mm]
1 1 4500 V HUXUS184108 +	3880.00 13.00 0.120 I
Transport costs all-in rate 💟 EUR 💟	Group V >

Sea/ Air freight specific details of current load:

- Equipment
- Shipping line
- Air carrier
- POL, POD
- Airport of departure/destination
- ETD, ETA
- B/L, AWB
- Etc.

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Carriage condition Freight payable at

Port of Loading

Port of Discharge

Place of Delivery

Earliest Delivery

Number plate truck
Empty container needed
Max. weight [kg]

Dangerous goods allowed

ETD

ATD

O Bremen

CNBJS

Shangha

Beijing

Contract no. Place of Receipt



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Max. volume (m\*)

Max. LM [96]

No. B/L

Tariff no.

Voyage no.

Booking no.

Closing date

ETA

ATA Number plate trailer

Rate of Exchange

Ocean vessel name

original

105

Hamburg Expres

#### System demo Load details (3/3)

Equipment									(††)	1
	0.1.1.10									
EQD Qty:" Type"	Container ID	Wagon ID	Seal	Non op. Reefer	Tare [kg]	Gross [kg]	Volun	ne (m*)		
	Authorized Person		Method		VGM [kg]		L/W/	H [mm]		
1 1 45G0 🗸	HLXU5184108		+		\$880.00					Ĩ
			~				12024.0 2350.0	2697.00		
Transport costs		all-in rate 🗸	EUR 🗸	Group					~	>
										-
Shipping Line	م			M B/L						
Carriage condition code			$\sim$							
Freight payable at	م			No. B/L		original 0		copies	0	
Contract no.			$\sim$	Tariff no.						
Place of Receipt	DEBRE O	Bremen		Ocean vess	el name	Hamburg Exp	ress			
Port of Loading	DEBRV O	Bremerhaven		Voyage no.		123W01				
Port of Discharge	CNSHA _O	Shanghai		Booking no						
Place of Delivery	CNBJS O	Beijing		Rate of Exch	nange					
Earliest Delivery				Closing dat	9		_			
ETD				ETA						
ATD				ATA						
Number plate truck				Number pla	te trailer					
Empty container needed										
Container provision			$\sim$	Provision d	ate					
Max. weight [kg]				Max. volum	ie (m²)	_				
Dangerous goods allowed				Max. LM [96	]	105				
Confirmation nacessan/				Documents					$\sim$	A
				o o comenta						- CP
Function	via hub		$\sim$	Hub					$\sim$	
Transport list									° 🖊 🗸	
									° <b>°</b> •	0-0
P Seq D Seq Status	Info	Transport	Consignor	Country / ZIP/ City	Pickup		Incoterm	Weight	Volume	
Denvilee.	1	References	Recipient	Country / ZIP/ City	Delivery			# Colli		
Flev. Ida										

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.



#### System demo Transport order details

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TMC Sea/Air

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		Freightcosts Quo	ote request Loa	ding list Extras	Logout
	Use	ername: 4flow_m.vogt	Client	Carrier - Test 1 (FF0CTC1)	~
Order processi	ng			🐴 🔁 🗢 🗈 🖬 🗙	
Status: Shipment a	ssigned			Transport order	~ 83
Service:	Road Freight	~	Contact:	Support. +49 (0)30 39740-0	
Order no.*	10040306	from 25.10.2016	Reference no.		
Purchase order no.	23472873467	.:: =	Delivery note no.	164625465	
Business case*	Full	~	Freight mode		
Service-level*			Client	Test Supplier 1 - FF0STS1 (FF0S	STS1)
Special cargo no.			Latest release		
Export declaration			Latest TO undate		
no.			Chierrent an	, 	_
Update required			Shipment no.		
Consignor Pi	okup Recipient	Delivery TO Owner	Principal		
Customer ID	LOC-TP1-A	44	Contact person		$\times$
Company*	Test Plant 1		Phone		
	Testbranch A		Fax		
Loading /			eMail	t.user1@testplant.com	
unloading place	Kaatstraße 7				
Country / ZIP /			State/Province		$\sim$
City*	DE 10623	Berlin			
Transport inform	ation				
Loading reference			Pickup date*	27.10.2016 from 07:00	to 08:00
Incoterm*	FCA V Des	tination	Delivery date*	02.11.2016 from 09:00	to 11:00
Comment					
Handling Units	Total pkgs.	30 Total gross [kg]	5000.00 Tota	al volume [m <sup>3</sup> ] 28.565 Lev	/el 1 🗸 🖻
Pos Handling	Description	* Qty* Type* Gross	s* Vol.* L*	W* H* Stack.* Remark	•
1 Training_PAL	Palette 1	15 C V 2500.0	000 13.500 120	0 1000 750 2	
2 Training_GIT	Gitterbox	15 C ∨ 2500.0	000 15.065 124	0 835 970 999	
Article data		Oracida da seriada a	Our of the second	Net first Oxista IIII av D	
Pos Part no.*		Goods description*	Quantity* Unit*	Net [kg] <u>Uriqin</u> UN nö. Dang goo	gerous 🔛 ds
1 Article 11	(jā)	Article 11	150.00 E 🗸	1.500	$\times$
2 Article #12	<u>(</u> \$9)	Article 12	150.00 E 🗸	1.000	$\times$
	\$P\$1				$\times$

10 🔹 🗅 🖬 🗶 🔳 🗾 😨

By clicking on the transport order number the transport order details will be shown.

The mask for transport order details is divided into four main parts:

- Order header with main transport order details
- Address information of consignor and recipient
- Transport details and times

the event of applications for industrial property rights

 Package information and quantity and article information and quantity

### Daily business

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Just three steps to ensure a reliable transport process

Fill load details after receiving a load assignment

Transport goods with documentation & set status in system

Hand over & upload documents



#### Tasks of carriers in the TMS Receive container forecast

Estimation of containers											
Loading Location of Container	Delivery Location of Container	Mode	Equipment Code	Equipment Description	Carrier	CWn+1 (Mon)	CWn+1 (Tue)	CWn+1 (Wed)	CWn+1 (Thu)	CWn+1 (Fri)	CW n+2 (Sum)
Supplier 1	Werk 1	FCL	45G0	40' High Cube	Carrier 1	2	0	0	0	0	2
Supplier 2	Werk 1	FCL	45G0	40' High Cube	Carrier 1	0	2	1	0	0	4

A container forecast on OD level will be provided by email on a weekly base:

• Horizon: 2 weeks

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- Week n+1: Forecast of containers to be picked-up on daily base
- Week n+2: Forecast of containers to be picked-up on weekly base

In case additional recipient are required for the container forecast, feel free to contact the TMC



#### Tasks of carriers in the TMS Load assignment

Von: support.service@inet-logistics.com An: Test_Carrier_1					
Betreff: Load assigned/200266					
Nachricht Zorder-data.pdr (9 Kb)					
Dear Sir or Madam,					
the company 4flow management GmbH has assigned follo	owing load to you.				
Load service provider service trade/depot begin 200266 Test_Carrier_1 Standard vista 05.08.2014	of loading 08:00				
The order-data is attached to this E-Mail (as PDF-file).					
After having activated the following link the system asks y	ou to enter your user name and password				
http://solutions.inet-logistics.com/ls/Login?Lang=EN&Brandi	ng=BOSCH				
With kind regards					
-		Logistics service provider Test_Carrier_1	r:		
4flow management GmbH Hallerstraße 1 DE-10587 Berlin		□ loi u. 807/b. HU-2220 VECS□ Phone:		Load:	
Load: 200266 / DE-HU Date / Time: 04.08.2014 13:00 RO Description: Remarks:	Assign	ment List		Page:	1 from 1 Powered by
Pickup address	Delivery address	Order Pick-up date Date of Recipient	Service Incoterm	No. Colli Weigh Description LN	t L / W / H Volume Stackability
1000100010 - Test_Supplier_1 -	6580 - Robert Bosch Elektronika Kft -	<b>10000213</b> 04.08.2014 13:00 - 14:00	Road Freight FCA	20.0 60001012 <b>9</b> 0.000,00kg Palette 8,0 LM	1,2 x 0,8 x 1,4 m I 26,880 m3 1
Gunnar-Wester-Str. 12 DE 97421 Schweinfurt	Robert Bosch út 1 HU 3000 Hatvan				
Number of consignments: 1	Sum packaging:	20 Sum weight:	10.000,00 kg	Sum volume:	26,880 m3

An email will be sent as a load is assigned containing the load's assignment list.

The assignment list contains:

- Pickup address and time window
- Delivery address and time window
- Pickup volume

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#### System demo How to enter load details?

20

The carrier is responsible for entering load details, e.g. vessel name, 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

E		BO	SCH	╶╌╢┄╴╸						R	ine 1
Usem	am	er (Million) an	nti, n maistain.				Quote rec	ivest 🚛	Loading list	=	Menu
•	lier	nt: 100	(halos forward)		Q 🗉						
											-0
Load	lov	erview							S	1	7
тат		Status	Load RO description	Transport order	Tour stops	Country / ZIP/ City	Pickup Delivery	T. mode ST/RT	No. colli Weight	LM m <sup>2</sup>	24
83	0	assigned	2051495 STD_D2D_C_R	VEA31891740	And March Research and a	DE-66424 Homburg US-18020 PA BETHLEHEM	05.05.2020 11.05.2020	AIR Single trip	7 CLL 167 [kg]	0.25	C
03	8	assigned	2051928 Oversize SPOT	11067488	March 10 Contraction of the	DE-97520 Roethlein US-28273 NC CHARLOTTE	05.05.2020 11.05.2020	AIR Single trip	1 CLL 80 [kg]	0.24	6
13	8	assigned	2052005 STD_D2D_B_B	YE31863201	Sector Science Sciences	PT-3880-728 OVAR US-29651 SC GREER	05.05.2020	AIR Single trip	15 CLL 1610 [kg]	16.56	C
83	0	assigned	2052385 OV SPOT	11058475	143 Editory of carrier Collection Print (Collection Research Colleges	DE-70806 Kornwestheim IN-641035 Tamil Nadu	08.05.2020 15.05.2020	AIR Single trip	4 CLL 986 [kg]	6.81	6
83	8	assigned	2052777	11058366	COPIES AND ADDRESS	DE-97525 Schwebheim US-28273 NC CHARLOTTE	07.05.2020 14.05.2020	AIR Single trip	4 CLL 95 [kg]	0.29	C
8	0	assigned	2052999 STD_D2D_C_R	VEA31895244	Sent Read Association (S-	DE-90441 Nürnberg US-18020 PA BETHLEHEM	06.05.2020 11.05.2020	AIR Single trip	13 CLL 251 [kg]	0.51	C
83	8	assigned	2053004 STD_D2D_B_B	<u>YE31871827</u>	Public States and action Distance	FR-14540 Grentheville US-29483 SC Summerville	06.05.2020 14.05.2020	AIR Single trip	1 CLL 229 [kg]	1.20	C
83	8	assigned	2053527 STD_D2D_B_B	VE31095129	THE CORNER STREET, or	FR-39300 Sirod US-29483 SC Summerville	06.05.2020 13.05.2020	AIR Single trip	1 CLL 83 [kg]	0.22	C
83	8	assigned	2054349 STD_D2A	NEA30776471	- Differ Redee Classic Code:	DE-72770 Reutlingen IN-560300 Bangalore	07.05.2020 12.05.2020	AIR Single trip	5 CLL 403 [kg]	2.85	C
03	8	assigned	2054452 STD_D2D_C_	914248	Table Chevron & London Research	DE-97816 Lohr US-18020 PA BETHLEHEM	07.05.2020 12.05.2020	AIR Single trip	22 CLL 4144 [kg]	5.86	C
13	8	assigned	2054456	2730	NUMBER ADDRESS OF TAXABLE	DE-97525 Schwebheim US-28273 NC CHARLOTTE	08.05.2020 15.05.2020	AIR Single trip	1 CLL 325 [kg]	0.12	E
ma		assigned	2055827	11070752	And a state of the second second second second	IT-24060 Adrara San Martino	08.05.2020	AIR	3 CLL		r



#### Go to loading list



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



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



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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/III)

BOS	СН	-11.77		1					4	🕅 inet
Username: CAS6BP					Scheduling	: 🔳	Loading list /	EDI 🚯 Freig	tcosts	🗮 Menu
Client: Bosch	-Scheduling Client		√ P vis	ta-sea (vista-	sea)	>				
Load detail					⊢ @.[		2			8
Lead ne. Name * Service provider Service Revel Ro description Grouping Isad ID Transport mode * Unique Isad ID Remarks Note carrier Note internal	1976658 Dummy_Carrier_An SEA FCL Standard LCL	(FF4C001005)	ی ب ب ب	•	Status User Weight / LM / Vc Transport start Transport start Round trip Secured transp Un-/ Loading re	ol • ort	Load in progre Adrienn Caecs 13.86 kg / 0.02 06.03.2020 14.04.2020 2	ss 6 LM / 0.125 m <sup>2</sup> 18:30 18:30	_	
Consignor Customer ID	Recipient	No	tify	Notify 2	Wei Contact person	ghing F	Party			4
Company*					Phone Fax eMail					
Loading / unloading place Street* <u>Country</u> / ZIP / City*			م		State/Province					Y
Equipment										
EQD Qty." Type"	Container ID Authorized Person	Wagon ID	Seal Method		Non op. Ta Reefer VG	re [kg] M [kg]	Gross [kg]	Volume (i	m²] nm]	
1 1 4560 🗸	HLXU5184108			+	3880	.00		12024.0 2350.00 2	0.125 697.0K	
Transport costs		1	EUR		Group					$\checkmark$
Shipping Line Carriage condition code	م		×	4	M B/L					
Freight payable at Contract no. Place of Receipt Port of Loading Port of Discharge	DEBRE O DEBRV O CNSHA O	2 Shanghai	>	6	No. B/L Tariff no. Ocean vessel na Voyage no. Booking no.	ime	Hamburg Exp	ress	copies 0	
Place of Delivery Earliest Delivery ETD ATD	CNBJS O	Beijing			Closing date ETA ATA	3				



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#### How to enter load details? Step 2: Enter load details (2/III)



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 H B/L, you can mark the checkbox above to mark all TOs in one step

3 Enter H B/L of respective TO(s)

Store H B/L no. by clicking the button "Apply function on selected transport order(s)"

5 Entered H B/L no. is shown below Transport order no.

#### Internal | CP/LOG-T3, 4flow TMC Sea/Air

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#### How to enter load details? Step 2: Enter load details (3/III)

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	Username: CAS6BP			G Scheduling	Loading list / EDI	osts 🗮 Menu
			-			
	Client: Bos	ch-Scheduling Client	D vista-sea ()	rista-sea) 🔛	1	
	Load detail			← 0, ID E		
						4
- U	Load no.	1976858		Status	Load in progress	
- U	Sensice consider	Dummy Carrier, Arts (EE4C001005)	03	Waterie / LM / Vol	13.60 km / 0.026 LM / 0.125 m <sup>3</sup>	
- U	Tenice	SEA ECI		Transport start *	00.03.2020 18:20	
- U	Service Land	Gandard	100	Transport and *	14.04.2020	
- U	DO description	Diamonard		Transport end		
- U	Ro description			Mouna trip	u	
- U	Grouping toad ID		1000			
- U	Transport mode *	LCL.	<u>[W]</u>	Secured transport		
- U	Unique load ID			Un-/ Loading reference	-	
II	Remarks	-				
II	Note camer					
- U	Note internal					
	Consignor	Recipient No	tify Noti	fy 2 Weighing	Party	
- U	Customer ID		p	Contact person		
- U				Phone		
- U	Company*			Fax		
- U				eMail		67
- U	Loading / unloading pla	ce				
	Street*			State/Province		
- U	Country / ZIP / City*		0			
	Country / ZIP / City*	1 <u> </u>	<u>م</u>			
	Country / ZiP / City*	1 <u></u>	٩			
	Country / ZIP / City*	9 <u></u>	٩			. (ii) 8
	<u>Country</u> / ZIP / City* Equipment EQO (25;* Type*	Container 10 Wagon 10	D. Seal	Non op. Tare [kg] Reefer	Gross [kg] Volume [m <sup>2</sup> ]	. iii - 2
	Country / ZIP / City* Equipment Equi Opy* Type*	Container 10 Wagon ID	D Seal Method	Non op, Tare [kg] Reefer VGM [kg]	Gross [kg] Volume (m*) L/W / H (nm)	. (ii) <b>1</b>
	Country / ZPP / City* Equipment EQ0 Gey* Type*	Container (D Wagon ID Authorged Paran	,⊘ Seal Method	Non op. Tare [kg] Reefer VGM [kg] 3880.00	Gross [kg] Volume (m <sup>4</sup> )	
	Cosethy / 2P / City* Equipment EQO Op/* Type*	Condumer 10 Kegen 10 Authorized Parton	Seal Method	Non op. Tare [kg] Refer VGM [kg] [360.00	Gross [kg] Volume [m <sup>2</sup> ]	0 8
	Continy / 28P / City* Equipment TCO (Ry* Type* 1 1 4500	Condumer ID Hegger ID Authoriged Parson	Seal Method	2 Society VOM [kg] Jesso.00	Gross [kg] Volume [m <sup>4</sup> ] L/W/H [mm]	
	Contry / ZIP / City* Equipment EQO (0;+ Typ** 1 1 4500	Condumer 10 Wagon 10 Authorpad Person	East Method	Non sy, arefer 2 3880.00 Croup	Gross [kg] Volume [m <sup>2</sup> ] C/W/H [mm] At 2350.01 2097.0	
	Equipment         Equipment           EQ0 Qby* Type*         1           1         4500           Transport costs         1	Container 10 Wagon 10 Authorized Parson	Seal Method	Not sp. Tare (kg) VKM (kg) S880.00 Group	Gross [kg] Volume (m*1	 
	Equipment         Equipment           Equipment         1         4500           1         1         4500           Transport costs         Shipping Line	Container (0 Authorsed Person In Volta Autor all-In rate V	Seal Method	Non op. Neefer 2 Group M BJL	Gross [kg] Volume (m <sup>4</sup> ) L/W/H (m <sup>4</sup> )	
	Coordiny / ZPP / CRy* Equipment EQO (Ry* Type* 1 1 4500 Transport costs Shapping Line Carriage condition code	Container (D Wagon (D Authorston Container)	East Method	Non typ. Beefer 2 2 388.00 Group M B/L	Gross [kg] Volume [m <sup>2</sup> ] L/W/H [mmi] All 2300.01 2007.0	
	Coordiny / ZBP / CRy*	Container 10 Wagon 10 Authorized Person worstaator all-in rote w	Euk w	Non op. Neder Tare Jug Statu Sato.co Group M Bit. No. Bit.	Gross (kg) Volume (m*) C/W/H (rom) V/W/H (rom) Gross (kg) C/W/H (rom) C/W/H (r	
	Constant / 28P / Cary*	Container 10 Wagon ID Authorspot Person In Visit Case all-in rate () P P	e seat Method	Beefer Beefer Group MB.L No. B.L Tarriff no.	Gross [kg] Volume (m <sup>2</sup> ] C/W/H (mei) C/W/H	. 1 . 1 
	Coordin / ZP / City* Equipment EQ0 (Ry* Type* 1 1 4500 Transport codts Shipping Line Carriage condition code Freight psyable at Corriage of Receipt	Container 10 Wagen 10 Autocrast Faron Ballionate C	EUR V	Noonge Tare (kg) Noonge Vick (kg) Siel.co Group M B/L Tarlf file. Diseased name	Gross [kg] Volume (m*) L/W/H (mm) V/W/H (mm) Congress (0) Volume (m*) Congress (0) Volume (m*) Volume (m*) Congress (0) Volume (m*) Volume (m*) Congress (0) Volume (m*) Congress (0) Volume (m*) Congress (0) Volume (m*) Congress (0) Congress (0) Cong	× • •
	Constity / ZBP / CRy*	Container 10 Wagon 10 Authorized Person works use all-in role w P CEBRE P Bremen DEBRY P Bremen	EUR V	Non op. Needer Tare Jagi vool Jagi Jaao.co Group M Bil. No. Bil. Tariff no. Casan vesel name Voyage no.	Gross (kg) Volume (m*) C/W/H (rom) V/W/H (rom) Gross (kg) C/W/H (rom) C/W/H (r	
	Constitut / ZBP / City* Equipment 200 City* Type* 1 1 4500 Transport costs Shepping Line Carriage condition code Freight payable at Contract no. Piace of Receipt Purct of Loading Port of Discharge	Container 10 Wagon ID Authorpool Person Authorpool Person Authorpool Person Authorpool Person Authorpool Person Authorpool Person Pool CEBRE	e Method CUR V	Non ny, Reveier Visik (kg) Silo Co Circup M B/L No. B/L Tarif no. Cican vessel name Vician vessel name Vician vessel name	Gross [kg] Volume (m <sup>2</sup> ] C/W/H (me) Au 230.01 201.0 original 0 opp Hamburg typess 123W01	. 1 x 
'3, 4flow	Coordin / ZP / CRy*	Container 10 Wagen 10 Authorized Factor In Surviva Containing Cont	EUR V	Norrege Tare (kg) Norrege Visik (kg) Sector Sector Mittle Mittle Mittle Mittle Mittle Mittle Mittle Mittle Mittle Sector Mittle	Gross [kg] Volume (m*) L/W/H (mm) 2020	× • •
3, 4flow	Constity / ZP / CRy*	Container 10 Wagon ID Authoriged Person In 2014 March all-in rote () DEBME	Eur v	Non op. Tare Jug Needer 2011 3880.00 Group M Bit. No. Bit. Tariff no. Cosine vesel name Viyage no. Book of gno. Book of gno. Book of gno.	Gross (kg) Volume (m*) L/W/H (non) CAL 2350.01 20974 original 0 onp Hamburg topress 1229001	



BOSCH 

### System demo

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Just three steps to ensure a reliable transport process

Fill load details after receiving a load assignment

Transport goods with documentation & set status in system

Hand over & upload documents



#### How to set a status? Status of a load



Assigned	Load has been assigned to the carrier
Collected	Load/TO has been collected
Gate In	Load has arrived at container terminal at POL
Loaded on Vessel	Load has been loaded on ocean vessel at POL
Unloaded from Vessel	Load has been unloaded from ocean vessel at POD
Gate Out	Load has departed from container terminal at POD
Delivered	Load/TO has been delivered (arrival at plant gate)
Billing case created	Load/TO is now available in the FM module
Goods received	Load/TO has been received by the recipient
Attached	Load/TO is now available in the FM module
Priced	The price of the load/TO has been calculated
Clearable	The load/TO can be cleared in the next billing run
Cleared	A billing run has been conducted and credit note data has been transferred to BOSCH SAP for freight cost clearance

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#### How to set a status? Required TM status and triggering events

The status has to be set immediately after the triggering event:



#### System demo How to set the "Goods collected" status?

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The carrier is responsible for entering the "Goods collected" status shortly after pick-up.

For setting the "Goods collected" status you have to follow these steps:

- Step 1: Go to "Enter Status"
- Step 2: Select date and time of pick-up
- Step 3: Confirm the "Goods collected" status



#### How to set a status? Step 1: Go to "Enter Status"

BO	SCH 🛄			1	inet 🖉	Go to loading list
Username: RBLA_d	J.silveira			🐼 Freightcosts 🧮 Loadir	ing list 🗮 Menu	
Client: Test	t_Carrier_1 (FF4Ctest01)	<b>م</b> ۲				Click on button
Load overview					∕₫2	load".
T&T <u>Status</u>	Load Transport RO description order	Tour stops	Country / ZIP/ City	Pickup <u>T. mode</u> No. colli <u>Delivery</u> ST/RT Weight		Click on button "Enter
Collected	1976622 11025408	908A   Bosch Campinas BBM	BR-13065-900 CAMPINAS	19.04.2020 FTL TCLL 19.04.2020 Single trip <u>500.[kg]</u>	I.6837.5-	status" for the relevant
						load. 🔁
BOS	CH L				inet	load. 🔁
BOS(	CH CH	F CL_CJ-WV		⑦ Freightcosts \equiv Loading list	inet	load. 🔂
Sername: RBLA_d.silv	CH Feira reira	<b>₽ []_ [] ()</b> () 0		O     Preightcosts     I     E     Loading lis	inet 📃 Menu	load.
sername: RBLA_d.silv Client: Test_Ca	CH reira reira arrier_1 (FF4Ctest01)	<b>₽ [] [] [] []</b> Q		⑦ Freightcosts ⋮≣ Loading lit	inet ist ≡ Menu ← III	load.
BOS sername: RBLA_d.silv Client: Test_Ca Inter Status - Detail	CH CH reira arrier_1 (FF4Ctest01)	C. C. W. N	Status:	Preightcosts I Loading lit Load collected	inet ist ≡ Menu ← 🖫	load. 🕞
Sername: RBLA_d.silv Client: Test_Ca Client: Test_Ca Client: J Client: 2 Cli	CH Peira eira arrier_1 (FF4Ctest01) 1 1976625 BR-BR	<b>₽ [] [] []</b> []	Status: User:	Freightcosts      E Loading lis     Load collected     Danilo Goncales Silveira	<pre>     inet     ist</pre>	load.
Client: Test_Ca Client: Test_	CH reira arrier_1 (FF4Ctest01) 1 1976625 BR-BR Test_Carrier_1 (FF4Ctest01) Perel	<b>P L L C I II</b> Ω	Status: User: Weight / LM / Vol : Terest data:	Freightcosts      E Load ing lit     Load collected     Danilo Goncales Silveira     500.00 kg /0.600 LM / 1.080 m <sup>3</sup>	← 📾	load. 🕞



## How to set a status?

30

Step 2: Select date and time of status

BC	SCH						inet 🕅	Select status
Username:	-		G	G Scheduling ∷≣	Loading list / EDI	Freightcosts	🧮 Menu	
() Client:	od the later	94C - 21	A stars where	4 B				Select date of pic
Enter Status -	Detail						← III	3 Enter time of state event (Please use format bhimm e s
Load no.:	1866522			Status:	Load assigned			
Name:	SOT0008IY			User:	EService User FF4MA	STER		08:00)
Service provider:	Dummy_Carri	ier_AnS (FF4C001005)		Weight / LM / Vol :	36.00 kg / 0.010 LM /	0.547 m <sup>s</sup>		
Service:	Road			Transport start:	12.01.2020			
Iransport end: Remarks:	16.01.2020							value" to enter the
Number plate truck				Measurements of truck	99 x 99 x 99			status for all TOs
Number plate trailer				Measurements of trailer	x x			this load
Driver contact				Driver name			- 4	
Status	Order	Consignor	Country / ZIP / City	Status		Date / Time	ß	
	References	Recipient		Remarks Reason of	ada			
Shipment assigned	d.execute	nder directory in the	CN 201202 Shanghai CN 215024 Suzhou	Goods co	Mo Tu We	04.06.2020 2020 0 Th Fr Sa Su	6	
					1 2 3 8 9 10	<b>4 5 6 7</b> 11 12 13 14		
					22 23 24	25 26 27 28		
					20 20 1	2 2 4 5		



## How to set a status?

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Step 3: Confirm the status setting

	DSCH							inet 🕅
Username:			đ	Scheduling	:	Loading list / EDI	Freightcosts	s 📃 Menu
() Client:		<del>w</del> 8.	0					<b>F</b>
Enter Status -	Detail							← 🔚
Load no.:	1866522			Status:		Load assigned		
Name:	SOT0008IY			User:		EService User FF4M	ASTER	
Service provider:	Dummy_Carrie	r_AnS (FF4C001005)		Weight / LM / Vo		36.00 kg / 0.010 LM /	0.547 m <sup>a</sup>	
Service:	Road			Transport start:		12.01.2020		
Transport end:	16.01.2020							
Remarks:								
Number plate truck				Measurements o	ftruck	99 x 99 x 99		
Number plate trailer				Measurements o	ftrailer	x x		
Driver contact				Driver name				
Status	Order	Consignor	Country / ZIP / City	:	Status		Date / Time	Ъ
	References	Recipient		1	Remarks Reason co	de	Receipt time-zone	
Shipment assigned	Concession.	Control and Department of the second se	CN 201202 Shanghai CN 215024 Suzhou		Goods co	llected	v 02.06.2020	08:00
							<b>5</b> (0.1)	

1 Confirm status setting by clicking on the "Save" button



Status:	Load assigned	
User:	Bosch Test	
Weight / LM / Vol :	10000 kg / 8 LM / 26.88 M3	
Transport start:	04.08.2014 13:00	
Transport end:	05.08.2014 16:00	

Status:	Load collected
User:	<u>Bosch Test</u>
Weight / LM / Vol :	10000 kg / 8 LM / 26.88 M3
Transport start:	04.08.2014 13:00
Transport end:	05.08.2014 16:00
Transport end:	05.08.2014 16:00



### System demo

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Just three steps to ensure a reliable transport process

Fill load details after receiving a load assignment

Transport goods with documentation & set status in system

Hand over & upload documents



### System demo How to upload documents?

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The carrier is responsible for uploading the sea freight relevant documents:

- Sea waybills incl. container manifest
- VGM certificate

For uploading documents you have to follow these steps:

- Step 1: Select the relevant load
- Step 2: Access document management
- Step 3: Upload documents









Step 1: Select the relevant load

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Userna	ame: RBLA_d	l.silveira				🚯 Frei	ightcosts	Loading	list	Men	u
)	lient: Tes	t_Carrier_1 (FF4	Ctest01)	0 آ					6		
Load	overview								1	<b>7</b>	
T&T	<u>Status</u>	Load RO description	Transport order	Tour stops	Country / ZIP/ City	Pickup Delivery	<u>T. mode</u> ST/RT	No. colli Weight	LM m <sup>2</sup>	<u>%</u>	
03	collected	1976625	11025408	test supplier 12 908A   Bosch Campinas BBM	BR-00000-000 testcity BR-13065-900 CAMPINAS	19.04.2020 19.04.2020	FTL Single trip	1 CLL 500 [kg]	0.6 1.08	37.5	
109	delivered	<u>1976626</u>	<u>11025409</u>	test supplier 12 908A   Bosch Campinas BBM	BR-00000-000 testcity BR-13065-900 CAMPINAS	18.04.2020 18.04.2020	FTL Single trip	1 CLL 150 [kg]	0.2 0.60	1.8	



#### Go to loading list



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



Click on the number of the relevant load. A new mask with the load details will open.



Internal | CP/LOG-T3, 4flow

TMC Sea/Air

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Step 2: Access document management

							5 011
Jsername:		G Scheduling	Loading list / EDI 🚯 Freightcost	s <u> </u>	button "Docun	nents" 🔁	
Client:	in Scheduling Client 🔄 🖉 - Marcia (1996	10 E					
Load detail		←	🖻 🕸 🗅	i 🛱 🕅			
		Í					
Load no.	1861343	Status	Load delivered				
Name *	201000Ea1	User	EService User FF4MASTER				
Service provider	AIR	Weight / LM / Vol	07.01.2020 07:00				
Service-Level	Standard	Transport start	12.01.2020				
RO description	STD D2A	Round trip					
Grouping load ID		nound the					
Transport mode *	AIR	Secured transport					
Unique load ID	A5CY8Ku70ExUjF2mziM4NI	Un-/ Loading reference					
Remarks							
Note carrier							
Note internal							
Consignor	Recipient Notify Notify:	2					
Consignor	Recipient Notify Notify	2 Contact person		8			
Consignor Customer ID	Recipient Notify Notify:	2 Contact person Phone		ð			
Consignor Customer ID Company*	Recipient Notify Notify	2 Contact person Phone Fax		ð			
Consignor Lustomer ID Sompany*	Recipient Notify Notify	2 Contact person Phone Fax eMail		2			
Consignor Customer ID Company* .oading / unloading place	Recipient     Notify     Notify:	2 Contact person Phone Fax eMail		¢			
Consignor Customer ID Company* .oading / unloading place Street*	Recipient     Notify     Notify:	Contact person Phone Fax eMail State/Province		2			
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Step 3: Upload documents

Internal | CP/LOG-T3, 4flow

TMC Sea/Air

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### Agenda

Торіс	Content	
Introduction	BOSCH TMC/TMS – what is it about?	
Setup	What are the steps to get the process established?	
Daily Business & System Demo	What are the carrier's tasks? How to work with the system?	
Exceptional handling	What might happen and how to act?	
Wrap up and Support	Short summary of most important topic and information about support	
Feedback	What topics / questions are still open? What is your feedback?	



## Tasks of carriers in exception handling

**Exceptions in transport management** 

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TMC Sea/Air

Carrier is late for pick up with notification	
Carrier fails to pick up advised volume	
Carrier has lost the shipment	
Load damage	
Customs issue	LŽ.
Carrier is late for delivery with notification	
Recipient delays delivery	
Documents (e.g. MRN) are not uploaded into iTMS	Î



# 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!

#### **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

German:

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https://solutions.inet-logistics.com/ls/Login?Lang=DE&Branding=BOSCH



### Glossary

Abbreviations	Explanations		
AOR	Alternative Operative Route		
FM	Freight Cost Management		
FTL	Full truck load		
LSP	Logistics Service Provider		
LTL	Less than truck load		
OD	Origin-Destination		
POD	Proof of delivery		
PU/DL	Pick up/ Delivery		
RB	Robert Bosch		
RT	Round Trip		
SL	Service Level		
SOR	Standard Operative Route		
ТМ	Transport Management		
тмс	Transport Management Center		
тмѕ	Transport Management System		
то	Transport Order		
Т&Т	Track and Trace		



### Document change history

Version	Date	Reference	Description of change	Status
4.0	24.10.2017	4flow / M. Vogt	Revised version by 4flow and CP/LOT - ready for final approval by CP/LOT-EU5	

