



**Bremer
Schiffsmeldedienst**

The „single window“ acc. to EC Directive 2010/65

-

Data collection and reporting esp. for smaller companies

7th EHMC Seminar , Bremen, 17.04.2013



Bremer
Schiffsmeldedienst

Company Profile

- Bremer Schiffsmeldedienst
 - established 1948
 - Two 24/7 offices
 - Reg. proprietor: Peter Langbein since 1991
 - Ship reporting
 - LRIT
 - Data gathering
 - according to international, european, national, regional and local bye-laws as well as for the logistics
 - working area: all ports along the coast of Germany
 - interface between Authority and Economy

List of popular abbreviations

IMO SOLAS STCW MARPOL IBC IGC IMSBC IMDG ICS
ARN SIS INPLAN HIS-MV/SH TRADAV DBH DAKOSY
PORTBASE ISM ATB EORI WHO ECDIS LNG IFO MDO
ISO DIN PRE-ARRIVAL PSC NIR PARISMOU GRT LOA
TDW ITU MMSI AIS LRIT DDP TARIC HS BIMCO VDR K-
BAND ARPA SAR ABS RINA GL BSH GASPNAABSA ASAP
ACOS ACP ADR CASCADE CAN TEN-T BLUEBELT
MARNIS E-MARITIME E-NAVIGATION CONLINEBILL CPA
LACP B/L LC T2L AES AMS BHT B-NO GEGIS DACOM
NAVIS CTOS BAPLI BARECONCUSREP IFTDGN APERAK
EDI XML FRPB ETA ETD NVOCC PA TEU MT POD POL
VC EVU BMVBS SSAS EPIRB COSPAS-SARSAT... etc



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... one more:

Whom

has

International

Shipping (to)

Kill (this)

Year?

W.H.I.S.K.Y.!



Basics in Germany

- **Federal**
 - *Internal Waters (Entering Requirements) Ordinance*
Anlaufbedingungs-
verordnung (AnIBV)
 - *German Traffic Regulations*
for Navigable Maritime
Waterways
Seeschiffahrtsstrassen-
ordnung (SeeSchStrO)
- **Regional / local**
 - *Port bye-laws*
(Hafenordnungen)



IT-systems in Germany

- **Regional / local**
 - *SIS (Bremen/Bremerhaven and partly Wilhelmshaven)*
 - *INPLAN (Lower Saxony and partly Wilhelmshaven)*
 - *HIS-MV (Mecklenburg-Vorpommern)*
 - *HIS-SH (Schleswig-Holstein except Kiel and Lübeck)*
 - *TRADAV (Kiel and Lübeck)*
 - *HPA-system (Hamburg)*
 - *ZMGS (Kiel-Canal eb/wb)*



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IT-systems in Germany

- **Federal**
 - *ELWIS*
 - *ZMGS*
 - *VTS*
 - *RIS*
 - *POC*
 - *ATLAS*
- **Regional / local**
 - *Port Information Systems*
 - *DG-systems*
 - *Immigration*
 - *Health*



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SIS

SIS - Ship Information System [bsmd]

System ▾ Stammdaten ▾ Schiffsreisen ▾ Schiffsdeklaration ▾ Auskunft ▾ Hilfe ▾

Sm@rtFinder 🔍

Schiffsdeklarationen [60] × **Schiffsdeklaration** <> ×

Deklarations-Nr.	<input type="text"/>	Schiffsname	<input type="text"/>	Sendestatus	Nicht gesendet	Letzter Änderer	<input type="text"/>
Anmeldehafen	WILHELMSHAVEN	IMO-Nummer	<input type="text"/>	Sendedatum	<input type="text"/>	Letzte Änderung	<input type="text"/>
Hafensystem-Nr.	<input type="text"/>	Reise-Nr.	<input type="text"/>	SIS-Nr.	<input type="text"/>	Hafensystemstatus	Neu

Schiff **Anlauf** Beteiligte Sicherheit Ladung Abfallmeldung Dienstleistungen

Ankunft

Anlieger	<input type="text"/>	ETA	<input type="text"/>	<input type="text"/>
Liegeplatz	<input type="text"/>	ETS	<input type="text"/>	<input type="text"/>
Kaje	JadeWeserPort	Tiefgang Aktuell (m) Bug	<input type="text"/>	Heck <input type="text"/>
		im Vorhafen (m) Bug	<input type="text"/>	Heck <input type="text"/>

Schlepper / Festmacher

Schlepper (Anlauf)	<input type="text"/>	Anzahl Schlepper	<input type="text"/>
Schlepper (Abgang)	<input type="text"/>	Anzahl Schlepper	<input type="text"/>
Besonderh. Anlauf	<input type="text"/>		
Vorgabe Anlegenseite	<input type="text"/>		

OK Abbrechen Übernehmen Aktionen ▾



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INPLAN

INPLAN Logistik - Mozilla Firefox

INPLAN Logistik

nports.inplan-asp.com

INPLAN Logistik Universalhafen Version 2.7.25 Mandant: 300 Benutzer: BSMD

Logout

Portal

Schiffsverkehre

Anmeldung Seeschiff Neuanlage

Reise-ID Neu Status: Notiz

Makler / Agentur: 2. Makler / 2. Agentur:

Hafenort: Emden

Schiff: Neu... weitere Angaben...

Rufzeichen: / /

Kapitän: Kontaktangaben...

Anzahl Fahrten: 1 Anzahl Personen:

Abfahrthafen: letzter Auslaufhafen: Zielhafen: nächster Anlaufhafen:

• ab Pier: • ETA lose: ETD lose / ab Pier: Lademenge: Tiefgang Abfahrt [m]:

• Tiefgang [m]: ETD ist verbindlich

Anlaufzweck: Dauerlieger andere Ursachen

Schiff läuft leer ein Schiff läuft leer aus

Neu laden Neu Speichern Liegeplatz... Umschlag...

Löschen Kopieren Fahrgäste...



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HIS-MV/SH

HIS-MV Hafendurchlauf - Mozilla Firefox

www.his-mv.de/HISMV/faces/durchlauf.jspx?_afPfm=1

Hafen Informations System
Mecklenburg-Vorpommern und Schleswig-Holstein

Nutzer: Bsmid Rolle: Makler Hafen: Rostock Hilfe Abmelden

Übersicht Status Genehmigungen GA/Hyg. Ladung - Imp. Ladung - Exp. Waste ISPS

Hafendurchlauf Schiffe Häfen Fahrpläne Reports Schnittstellen Stammdaten System

Hafendurchlauf - Status

Speichern Rückgängig

Anmeldename	Schiffsname *	Operator Ref. Code *				
Makler *	Reisennummer *	Anlaufgrund *	Personen an Bord *	Umschlagsfirma	ISPS-Level	
Letzter Hafen *	ETD Letzter Hafen	Meldehafen	ETD Meldehafen	Nächster Hafen	ETA Best.-Hafen(GG)	

Neu Speichern Rückgängig

Status	Datum	Hafen-Gebiet	LP	Poller von bis	LDS	TG	Bemerkungen	Bunker	Firma	Letzter Nutzer	Letzte Änderung
Bitte fügen Sie den Status ein.											

Copyright DATEN + DIENSTE GmbH Rostock



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Operational obstacles

BSMD_EHMC_PPT_Muster_Ansm1.PDF - Adobe Reader

Datei Bearbeiten Anzeige Fenster Hilfe

1 / 1 105% Werkzeuge Kommentar

To: <report@bsmd.de>
Sent: Saturday, April 13, 2013 4:33 PM
Subject: MT "XXXX" VOY 84 C/P DATE 08.04.2013 NYNASHAMN - ANTWERPEN

An: Bremer Schiffsmeldedienst

Guten Tag,
bitte anmelden:
Personen an Bord: 15
MfG
Subject : MT "XXXX" VOY 84 C/P DATE 08.04.2013 NYNASHAMN - ANTWERPEN
Date : 13/04/2013 15:14:15
Sailed 13/1440
ETA Kiel pilot 14/2230agw
ETA Steenbank pilot 16/0500 agw
Bunker on arrival: H.F.O. 64,7 MT M.G.O. 23,6 MT
Bunker on dept: H.F.O. 64,7 MT M.G.O. 22,1 MT
Draught on dept: F= 6,10 m A= 7,65 m
Loaded to Nynas AB - Antwerpen

.....

Base oil	NS 8	1 289 860 kg (B/L) in vac.
Base oil	S 9	724 940 kg (B/L) in vac.
Base oil	T 110	882 850 kg (B/L) in vac.
Base oil	T 22	1 000 050 kg (B/L) in vac.
Base oil	T 400	611 990 kg (B/L) in vac.

Best regards

Start 2 M... Micr... Micr... C:\D... 2 A... Zent... MF T... DE 02:24



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Operational obstacles

Microsoft Excel - IMO_FAL1_GenDec_Details_ZMGS13042013.xls

File Edit View Insert Format Extras Data Window Help

Arial Schließen

B30 = 0

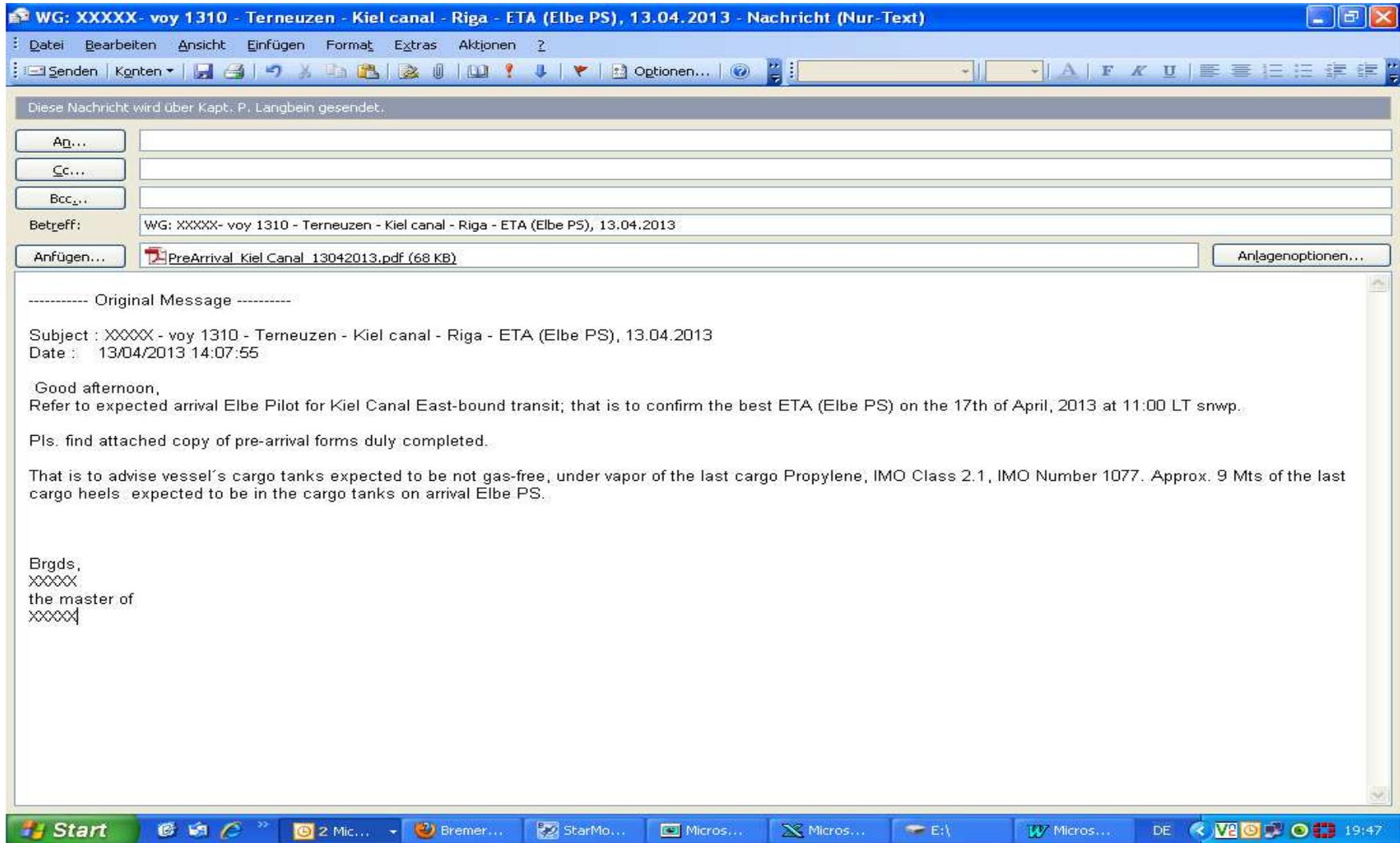
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	"IMO GENERAL DECLARATION"															
2	(IMO FAL Form 1)															
3																
4																
5						<input checked="" type="checkbox"/>	Arrival				<input type="checkbox"/>	Departure				
6	1.1 Name and type of ship					1.2 IMO number										
7	m/s XXXXX, general cargo/container ship					XXXXXXXX										
8	1.3 Call sign					1.4 Voyage number										
9	XXXXX															
10	2. Port of arrival/departure					3. Date and time of arrival/departure (dd.mm.yy hh:mm)										
11	Kiel canal passage					ETA 14.04.2013 0500 LT Elbe 1										
12	4. Flag State of ship			5. Name of master			6. Last port of call/Next port of call									
13	XXXXX			xxxxxx			Rotterdam / Tornio									
14	7. Certificate of registry (Port; date; number)					8. Name and contact details of ship's agent										
15	XXXXX; 29.8.1996; 00000															
16	9. Gross tonnage			10. Net tonnage			XXXXXXXX									
17	5.239 RT			2.625 RT												
18	11. Position of the ship in the port (berth or station)					TEL +490000000000										
19																
20	Kiel canal passage															
21	12. Brief particulars of voyage (previous and subsequent ports of call; underline where remaining cargo will be discharged)															
22	Rotterdam to Tornio via Kiel canal. All cargo will be discharged in Tornio, FI.															
23																
24																
25	13. Brief description of the cargo															
26	Stainless steel scrap and containers. 1 IMDG tankcontainer, class 2.2 UN 1951															
27	Net weight 23,60 mtons.															
28																
29	14. Number of crew 15. Number of passengers 16. Remarks															
30	General Declaration IMO FAL_1 Details ZMGS /															

Bereit

Start

2 Microsoft... Elektronisch... StarMoney... Microsoft P... Microsoft E... DE 15:07

Operational obstacles



WG: XXXXX- voy 1310 - Terneuzen - Kiel canal - Riga - ETA (Elbe PS), 13.04.2013 - Nachricht (Nur-Text)

Diese Nachricht wird über Kapt. P. Langbein gesendet.

Ad...
Cc...
Bcc...

Betreff: WG: XXXXX- voy 1310 - Terneuzen - Kiel canal - Riga - ETA (Elbe PS), 13.04.2013

Anfügen...  PreArrival_Kiel_Canal_13042013.pdf (68 KB) Anlagenoptionen...

----- Original Message -----

Subject : XXXXX- voy 1310 - Terneuzen - Kiel canal - Riga - ETA (Elbe PS), 13.04.2013
Date : 13/04/2013 14:07:55

Good afternoon,
Refer to expected arrival Elbe Pilot for Kiel Canal East-bound transit; that is to confirm the best ETA (Elbe PS) on the 17th of April, 2013 at 11:00 LT snwp.

Pls. find attached copy of pre-arrival forms duly completed.

That is to advise vessel's cargo tanks expected to be not gas-free, under vapor of the last cargo Propylene, IMO Class 2.1, IMO Number 1077. Approx. 9 Mts of the last cargo heels expected to be in the cargo tanks on arrival Elbe PS.

Brgds,
XXXXX
the master of
XXXXX

Start | 2 Mic... | Bremer... | StarMo... | Micros... | Micros... | E:\ | W Micros... | DE | 19:47



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Operational obstacles

- Format of documents
 - .xls
 - .pdf
 - .doc
 - .zip
 - .tif
 - .bmp
 - .jpg



Operational obstacles

- Some smaller ships does not have:
 - satellite communication
 - email
 - limitation of size of attachments
- or are not allowed to use Satcom (for extensive traffic of data) outside defined areas



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Operational obstacles

- Captain does not know not all details of the required port-related information (berth, bollard etc.)
- Agent does not know all details of the situation on board (IFO, Waste etc.)



Operational obstacles

- Small ports does not have IT-systems for port operation
 - few arrivals per year
 - no financial background
 - high investments
 - no return-on-invest perspective



Operational obstacles

- Small agencies does not have / want connection to IT-systems
 - being short of arrivals per year
 - no financial background for running costs
 - skill of staff, if any
 - not operative 24/7



Operational obstacles

- All port IT systems are based on data for the logistics / operation of cargo!
- EU-Directives 2002/59, 2009/16 and coming 2010/65 are NOT requesting data for the logistics / operation!



Solution?

- **Double transmission / gathering of data?**
 - doubling of data
 - doubling of costs
 - danger of inconsistency
 - where updated (ETA, ETD)?
 - logistic / operational data are not to be requested on a legal basis



AIS as a helpful tool?

- ***Navigational*** aid!
- Approx. 70% of data in AIS are correct
- Data manually gathered or amended (Port of destination, ETA, status)
- ETA referring to which position?
- mostly no updates
- data format not sufficient for the transmission of DG details (Container vessel!)
- NMEA format has to be changed to Edifact, XML or other onshore



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Ship reporting companies

- collecting data from
 - ship
 - agent
 - logistic
- access to the local, national and logistic databases
- experienced in the needs of the ports
- 24 hours service
- neutral companies (no agent, no Authority)
- creating forms to meet the requirements



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Forms

Extra Information required by "ZMGS" in Germany (AnIBV 2.2.1)									
3a. Date and time of departure at last port (ATD) (dd.mm.yy hh:mm)									
3b. Date and time of arrival at next port (ETA) (dd.mm.yy hh:mm)									
Dangerous Cargo on board is declared according to the following									
IMDG-Code	<input type="checkbox"/>	Please provide Dangerous Cargo Manifest							
MARPOL	<input type="checkbox"/>	Name of product							
IBC	<input type="checkbox"/>	Name of product							
		\$15.19	Y:	<input type="checkbox"/>	N:	<input type="checkbox"/>	\$15.19		
IGC	<input type="checkbox"/>	Name of product							
		UN-No.:							
IMSBC	<input type="checkbox"/>	Name of product							
		MHB (Material only hazardous in bulk)							
		Pollution category	X:	<input type="checkbox"/>	Y:	<input type="checkbox"/>			
Dangerous Cargo Manifest on board?									
Y: <input type="checkbox"/> N: <input type="checkbox"/>									
Please attach your "Dangerous Cargo Manifest" or any other documents Cargo on board and send "IMO FAL-Form-1, General Declaration ", this									
Bunker / Fuel:									
Name 1	Net Mass (t)	Name 2	Net Mass (t)	Name 3					



Future outlook

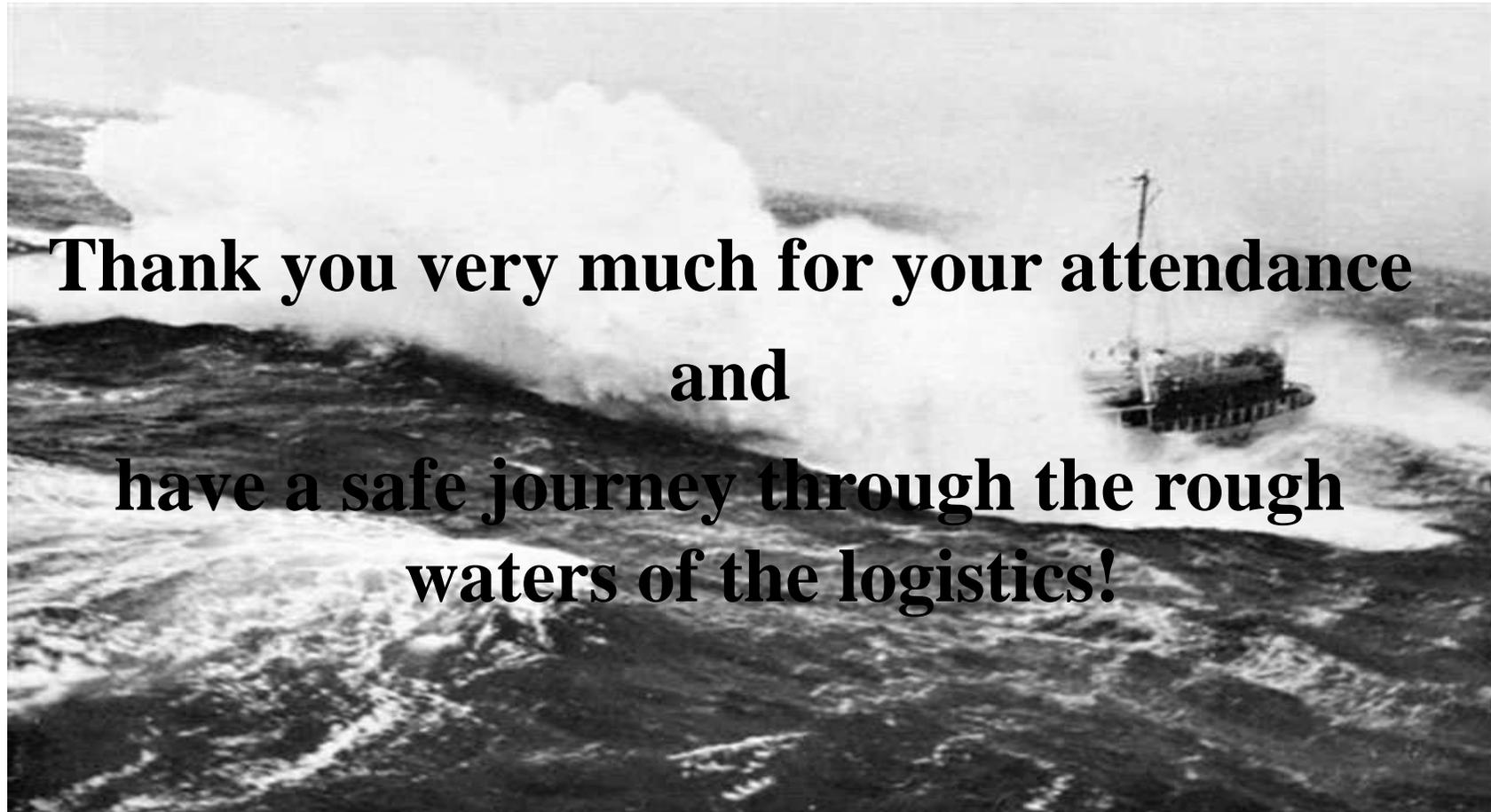
- „single window“ for the exchange of data between Authorities req. by EC
- „middleware“ for the exchange of data between databases and the logistic
- interfaces from vessels/shipping companies/agencies to databases
- nomination of ship reporters to gather data into the required systems



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Some references

- Maersk-Line
- MSC
- CMA-CGM
- Samskip
- DAL
- Wagenborg
- Wilson
- Arkon
- Arklow
- Exmar
- Hamburg-Süd
- Peter W. Lampke
- Sartori & Berger
- UCA
- Schiffahrtskontor Detra
- Volkmar Bäume
- Bitter/BTV
- Frachtcontor Junge
- Mestermann
- Wijnne & Barends
- J.Müller Brake
- EVAG Emden



**Thank you very much for your attendance
and
have a safe journey through the rough
waters of the logistics!**