



**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

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

... one more:

Whom

has

International

Shipping (to)

Kill (this)

Year?

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



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Basics in Germany

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



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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*

SIS

SIS - Ship Information System [bsmd] - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

Linkliste

SIS - Ship Information System [bsmd]

https://webapps.dbh.de/sis/SisWebApp.html

Neu laden Stopp Downloads Startseite

SIS - Ship Information System [bsmd]

System Stammdaten Schiffsreisen Schiffsdeklaration Auskunft Hilfe

Sm@rtFinder

Schiffsdeklarationen [60] Schiffsdeklaration <>

Deklarations-Nr. Schiffsname Sendestatus Nicht gesendet Letzter Änderer

Anmeldehafen WILHELMHAVEN IMO-Nummer Sendedatum Letzte Änderung

Hafensystem-Nr. Reise-Nr. SIS-Nr. Hafensystemstatus Neu

Schiff **Anlauf** Beteiligte Sicherheit Ladung Abfallmeldung Dienstleistungen

Ankunft

Anlieger Liegeplatz Kaje

JadeWeserPort

ETA ETS

Tiefgang Aktuell (m) Bug Heck

im Vorhafen (m) Bug Heck

Schlepper / Festmacher

Schlepper (Anlauf) Schlepper (Abgang) Besonderh. Anlauf

Anzahl Schlepper

Vorgabe Anlegerseite

OK Abbrechen Übernehmen Aktionen

Start Posteingang Microsoft ... Microsoft ... Microsoft ... C:\DOKU... Bundesam... DE 02:05

INPLAN

INPLAN Logistik - Mozilla Firefox

File Edit View Chronik Lesezeichen Extras Help

Linkliste INPLAN Logistik

Zurück Vor 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:

Anzahl Fahrten: 1 Anzahl Personen:

Abfahrthafen: letzter Auslaufhafen:

• ab Pier:

• Tiefgang [m]:

ETA lose / an Pier:

Löschmenge:

Tiefgang Ankunft [m]:

Zielhafen: nächster Anlaufhafen:

• ETA lose:

ETD ist verbindlich

ETD lose / ab Pier:

Lademenge:

Tiefgang Abfahrt [m]:

Anlaufzweck:

☐ nur für den Dienstgebrauch

☐ ZMGS nicht relevant

☐ Dauerlieger

☐ andere Ursachen

☐ Schiff läuft leer ein

☐ Schiff läuft leer aus

Neu laden Neu Speichern

Löschen Kopieren

Liegeplatz... Umschlag... Fahrgäste...

Start

Postel... Micros... Micros... Micros... C:\DO... Bunde... INPLA... DE 02:09



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HIS-MV/SH

HIS-MV Hafendurchlauf - Mozilla Firefox

Linkliste HIS-MV Hafendurchlauf

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

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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TRADAV

Vessel data - Mozilla Firefox

Linkliste Vessel data

https://hafeninfo.tradav.de/vessel_new.php

Neu laden Stopp Downloads Startseite

TRADAV ZMGS Webanwendung Hafenanlauf

To find un/locode use the following link: [United Nations Economic Commission for Europe](#)

Preamival24H-Message for new vessel

New Vessel data

IMO Number: ***
SNR Number: ***
MMSI Number:
Callsign: *
SHIP name: *
Flag:

New Message data

Ship called: **will be generated** Draft:
Backdated: No

Last port:

Locode: *
ETA: day month year hour min

Port of call:

Locode: *
ETA: * day month year hour min
Position: Persons on board: *

Next port:

Locode: *
ETA: day month year hour min

Agent Data

Agent short: *
Agent long: *
Agent reference code: *
Agent phone: *
Agent fax: *

Contact Data

Phone: * +49421382783 Fax: * +49421380887
Name long: *
Name short: *
Email: *

Operator Data

Zentrales Meldesystem für Gefahrgut und Schiffsverkehre der Bundesrepublik Deutschland (ZMGS) - Mozilla Firefox

File Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

Bremer Schiffsmeldedienst Meldepunkte Zentrales Meldesystem für Gefahrgut und Schiffsverkehre der Bundesrepublik Deutschland (ZMGS) - Mozilla Firefox

www.zmgs.de

Hafen ▶ Anmeldung ▶ Online-Hafenanmeldung

Schiff: CHIQUITA SCANDINAVIA IMO-Nummer: 9030149 Funkrufzeichen: C6KD4
Ship Call ID:

Abgangshafen:

ETD:

Bestimmungshafen*:

ETA*:

ETD*:

Betreiber*:

Reeder hinzufügen

Personen an Bord*:

Liegeplatz:

Nachfolgehafen:

ETA:

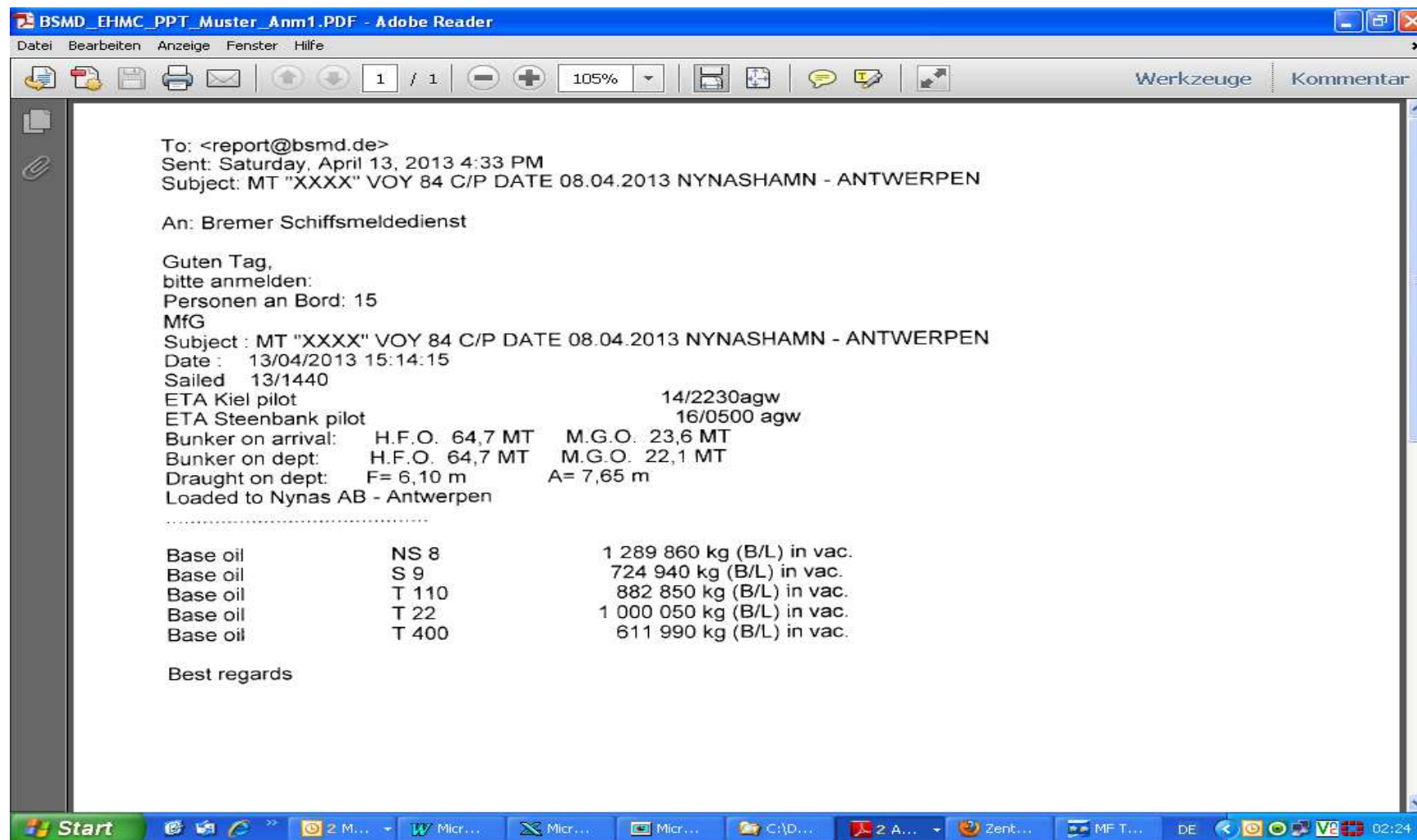
Kontakt Daten*:

Bunker Treibstoff:

Name Nettogewicht TNE

Neu anlegen Gesamtgewicht:

Operational obstacles





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Operational obstacles

Microsoft Excel - IMO_FAL1_GenDec_Details_ZMGS13042013.xls

File Edit View Insert Format Extras Data Window Help

100%

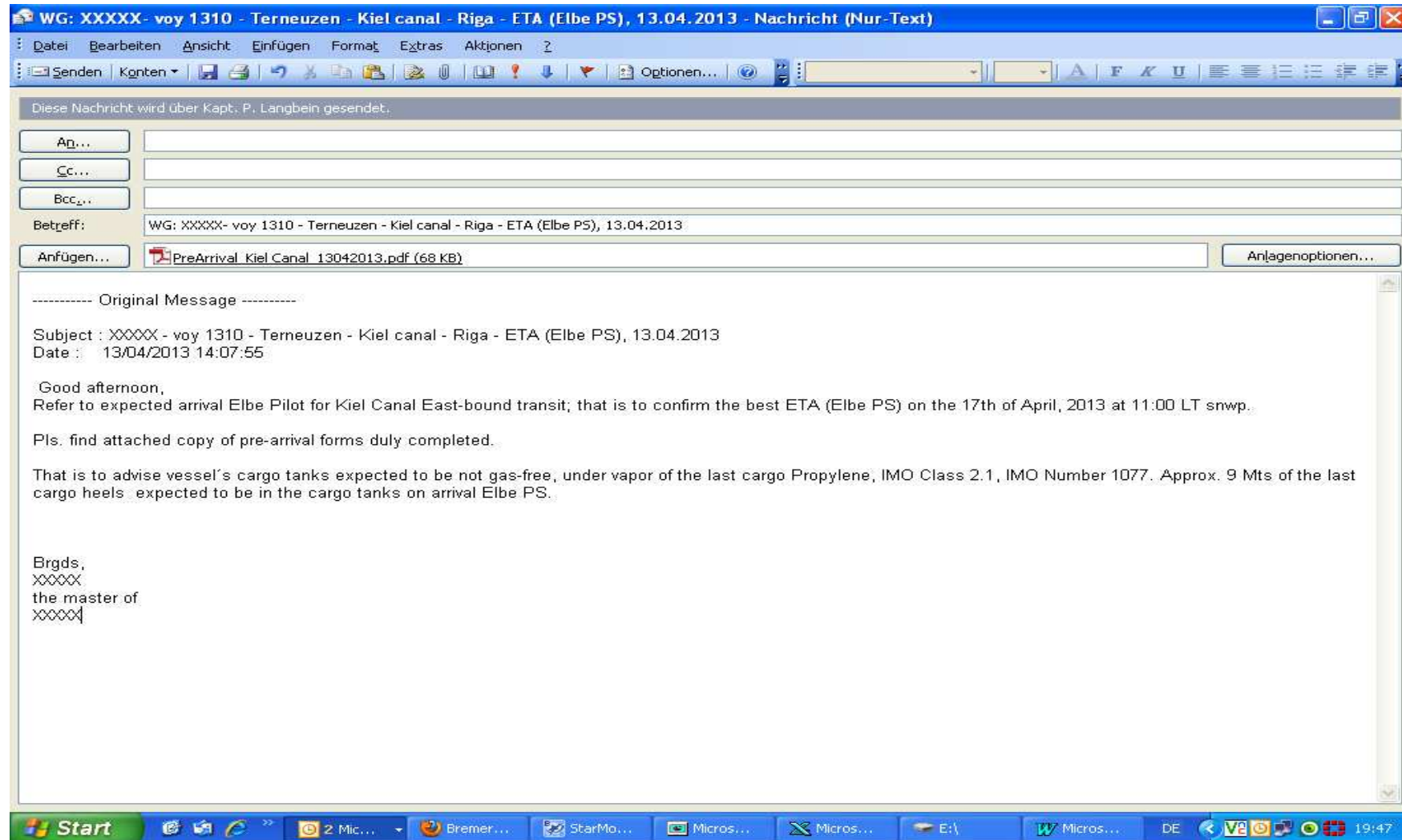
B30

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2	"IMO GENERAL DECLARATION"														
3	(IMO FAL Form 1)														
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	XXXXXX														
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	XXXXXX			XXXXXX			Rotterdam / Tornio								
14	7. Certificate of registry (Port, date; number)						8. Name and contact details of ship's agent								
15	XXXXXX; 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 +4900000000000								
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	General Declaration IMO FAL 1 Details ZMGS														

Bereit

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

Operational obstacles





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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.)



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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



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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



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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



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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



Forms

The screenshot shows a Microsoft Excel spreadsheet titled "IMO1-7_ZMGS_waste_POC-Germany_V1_110213.xls". The spreadsheet is set up to display the IMO GENERAL DECLARATION (IMO FAL Form 1) as a form. The form is structured as follows:

- Row 1:** Columns A through T are visible. Column A is labeled "1", column B is labeled "2", and so on.
- Row 2:** Columns A through T are visible. Column A is labeled "3", column B is labeled "4", and so on.
- Row 3:** Columns A through T are visible. Column A is labeled "5", column B is labeled "6", and so on.
- Row 4:** Columns A through T are visible. Column A is labeled "7", column B is labeled "8", and so on.
- Row 5:** Columns A through T are visible. Column A is labeled "9", column B is labeled "10", and so on.
- Row 6:** Columns A through T are visible. Column A is labeled "11", column B is labeled "12", and so on.
- Row 7:** Columns A through T are visible. Column A is labeled "13", column B is labeled "14", and so on.
- Row 8:** Columns A through T are visible. Column A is labeled "15", column B is labeled "16", and so on.
- Row 9:** Columns A through T are visible. Column A is labeled "17", column B is labeled "18", and so on.
- Row 10:** Columns A through T are visible. Column A is labeled "19", column B is labeled "20", and so on.
- Row 11:** Columns A through T are visible. Column A is labeled "21", column B is labeled "22", and so on.
- Row 12:** Columns A through T are visible. Column A is labeled "23", column B is labeled "24", and so on.
- Row 13:** Columns A through T are visible. Column A is labeled "25", column B is labeled "26", and so on.
- Row 14:** Columns A through T are visible. Column A is labeled "27", column B is labeled "28", and so on.
- Row 15:** Columns A through T are visible. Column A is labeled "29", column B is labeled "30", and so on.
- Row 16:** Columns A through T are visible. Column A is labeled "31", column B is labeled "32", and so on.
- Row 17:** Columns A through T are visible. Column A is labeled "33", column B is labeled "34", and so on.

The form includes the following fields:

- 1.1 Name and type of ship** (Row 6, Column A)
- 1.2 IMO number** (Row 6, Column B)
- 1.3 Call sign** (Row 7, Column A)
- 1.4 Voyage number** (Row 7, Column B)
- 2. Port of arrival/departure** (Row 10, Column A)
- 3. Date and time of arrival/departure (dd.mm.yy hh:mm)** (Row 10, Column B)
- 4. Flag State of ship** (Row 12, Column A)
- 5. Name of master** (Row 12, Column B)
- 6. Last port of call/Next port of call** (Row 12, Column C)
- 7. Certificate of registry (Port; date; number)** (Row 14, Column A)
- 8. Name and contact details of ship's agent** (Row 14, Column B)
- 9. Gross tonnage** (Row 16, Column A)
- 10. Net tonnage** (Row 16, Column B)
- 11. Position of the ship in the port (berth or station)** (Row 18, Column A)
- 12. Brief particulars of voyage (previous and subsequent ports of call; underline where remaining cargo will be discharged)** (Row 20, Column A)
- 13. Brief description of the cargo** (Row 24, Column A)
- 14. Number of crew** (Row 28, Column A)
- 15. Number of passengers** (Row 28, Column B)
- 16. Remarks** (Row 28, Column C)
- 17. Cargo Declaration** (Row 32, Column A)
- 18. Ship's Stores Declaration** (Row 32, Column B)

The status bar at the bottom indicates "Bereit" (Ready).

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 document 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!**

