European Maritime Single Window Environment (EMSWe)

FONASBA Seminar

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Unit 3.1 – Integrated Maritime Traffic Services

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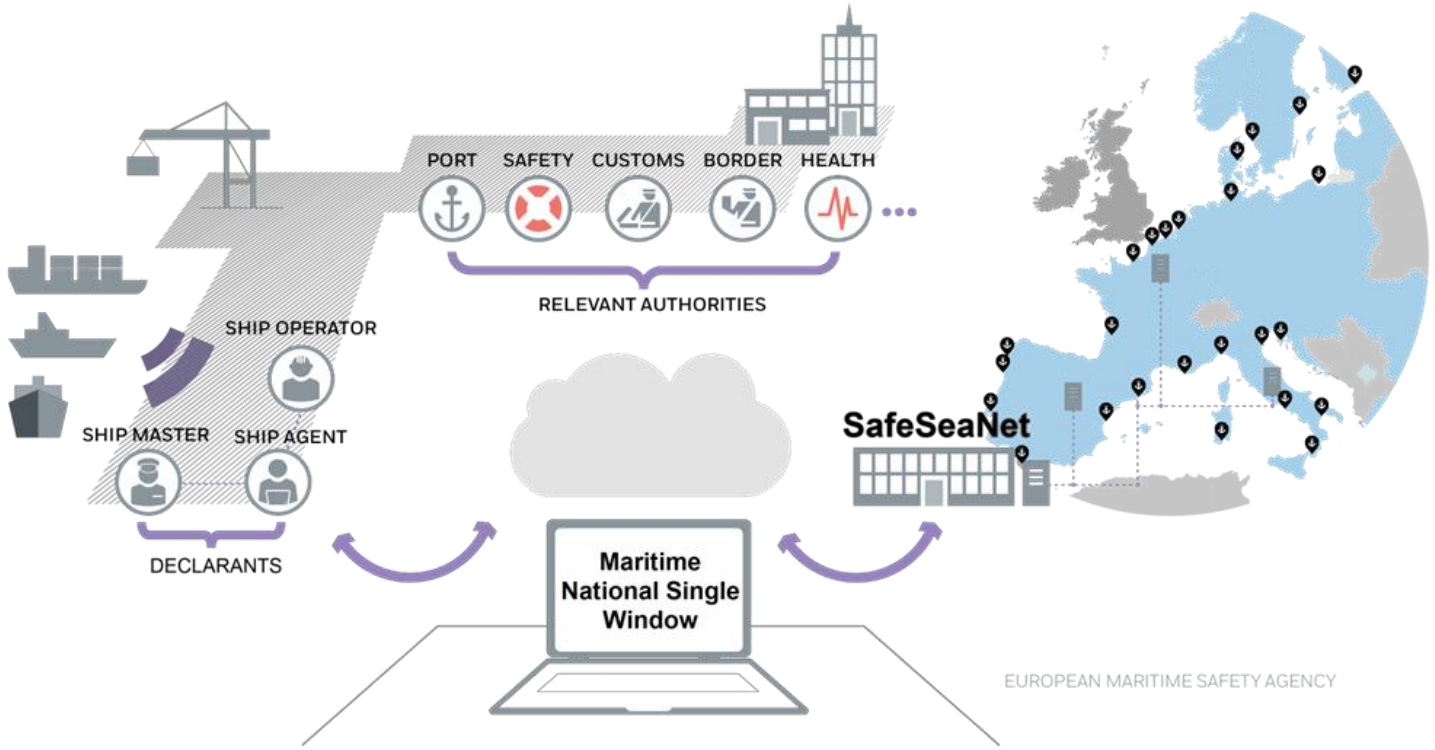
EMSA

EMSWe

Regulation (EU) 2019/1239 on a European Maritime Single Window (EMSWe) environment:

A decentralised network of Maritime National Single Windows (MNSW) with:

- A single entry-point for all reporting obligations within a MS
- A harmonised data set in full compliance with the EU Customs Data Model
- Harmonised submission of information for all port calls
- Common databases for user management and authentication, ship identification, locations codes and information on dangerous and polluting goods



Reporting obligations

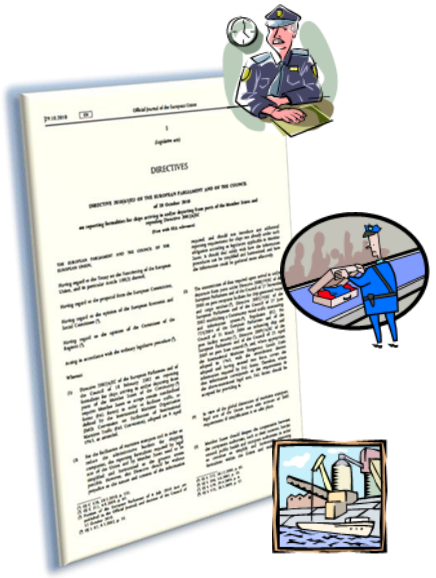
Reporting obligations applicable to the arrival, stay and departure of a ship at any maritime port in the EU

A1. Stemming from legal acts of the Union – applicable to the ship

- Notification of arrival and departure
- Border checks on persons
- Notification of dangerous and polluting goods
- Advance waste notification
- Waste delivery receipt
- Pre-arrival security information
- Persons on board passenger ships
- Safe loading and unloading of bulk carriers
- Notification of arrival of ships eligible for an expanded inspection
- Maritime transport statistics

A2. Stemming from legal acts of the Union – Customs

- Presentation of goods to customs
- Temporary storage declaration of goods
- Customs status of goods
- Customs arrival notification
- Electronic transport documents used for transit
- Customs exit notification
- Exit summary declaration
- Re-export notification

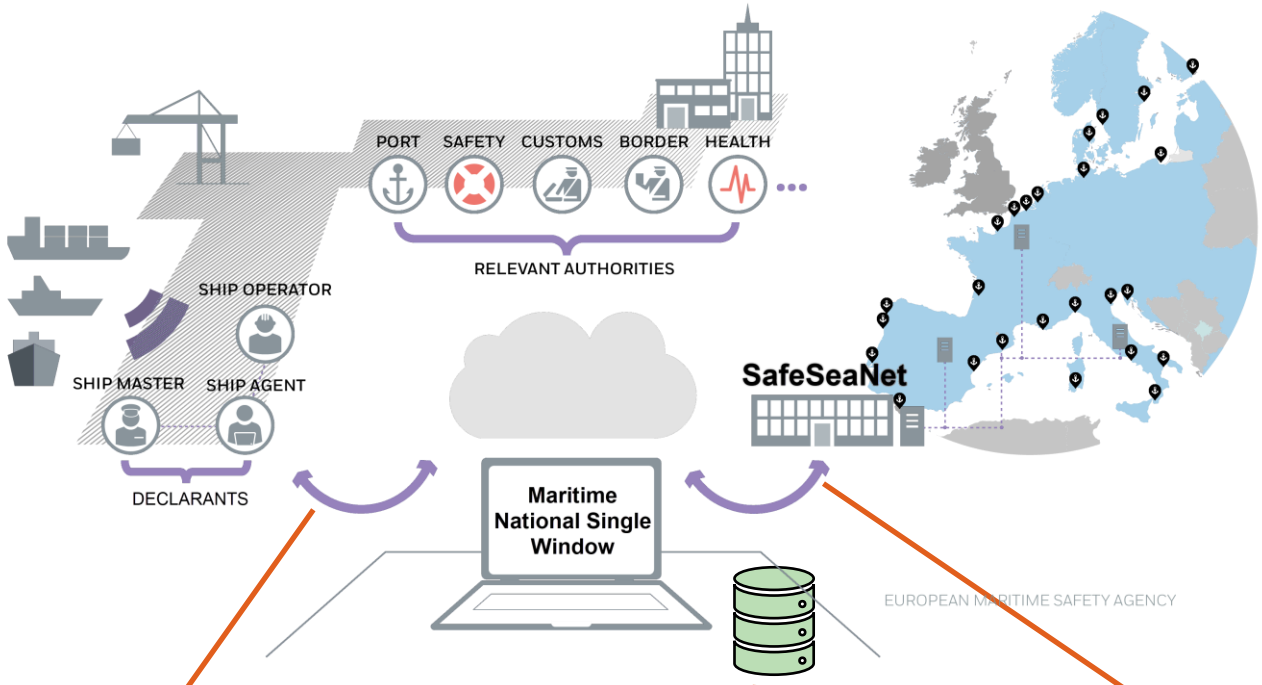


B. Stemming from international legal instruments

- FAL form 1: General Declaration
- FAL form 2: Cargo Declaration
- FAL form 3: Ship's Stores Declaration
- FAL form 4: Crew's Effects Declaration
- FAL form 5: Crew List
- FAL form 6: Passenger List
- FAL form 7: Dangerous Goods
- Maritime Declaration of Health

C. Reporting obligations stemming from national legislation and requirement

Role of EMSA



Elaborate a **common specifications (reference data set and message specifications, spreadsheet templates and functionalities of the graphical user interfaces)**. They will be applied by all Member States Maritime National Single Windows for offering harmonised interfaces with the declarants from the shipping industry

Develop **common reference databases** on ships, locations and dangerous goods, to be used by all Maritime National Single Windows to facilitate reporting

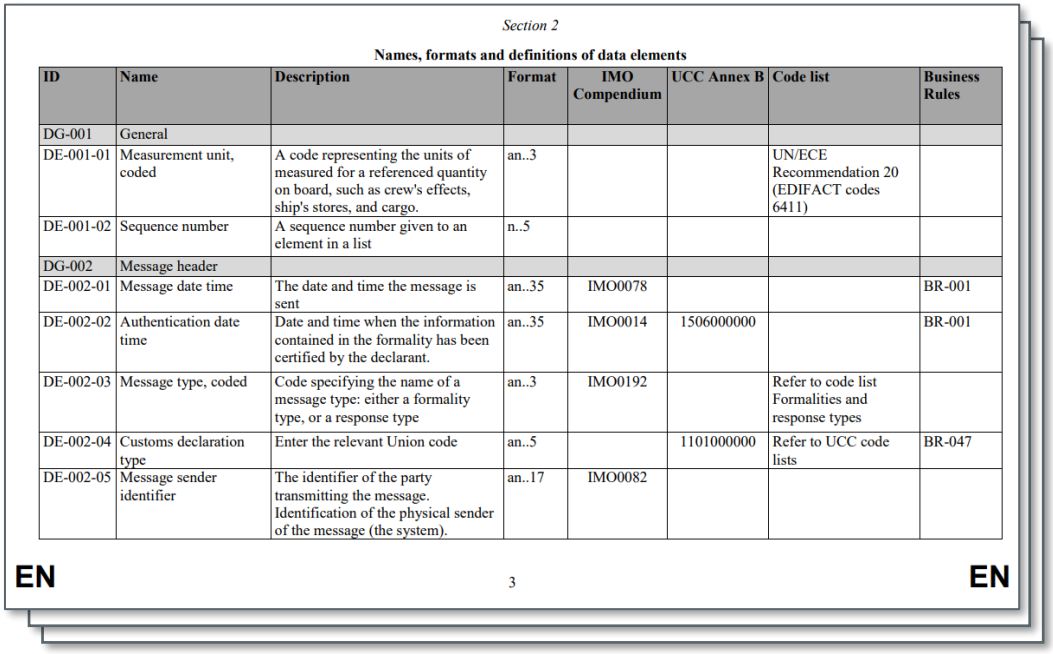
Ensure **data exchanges between Maritime National Single Windows via SafeSeaNet** for data reuse and to apply the reporting-once principle

EMSWe data set

Reference EMSWe data set published as **Delegated Regulation (EU) 2023/205**

- Provides the complete list of 1120 data elements stemming from the reporting obligations, as well as EMSWe-specific code lists, and Business rules.
- 2/3 of data elements stemming from national legislation and requirements.

https://eur-lex.europa.eu/eli/reg_del/2023/205/oj



Section 2

Names, formats and definitions of data elements

ID	Name	Description	Format	IMO Compendium	UCC Annex B	Code list	Business Rules
DG-001	General						
DE-001-01	Measurement unit, coded	A code representing the units of measured for a referenced quantity on board, such as crew's effects, ship's stores, and cargo.	an..3			UN/ECE Recommendation 20 (EDIFACT codes 6411)	
DE-001-02	Sequence number	A sequence number given to an element in a list	n..5				
DG-002	Message header						
DE-002-01	Message date time	The date and time the message is sent	an..35	IMO0078			BR-001
DE-002-02	Authentication date time	Date and time when the information contained in the formality has been certified by the declarant.	an..35	IMO0014	1506000000		BR-001
DE-002-03	Message type, coded	Code specifying the name of a message type: either a formality type, or a response type	an..3	IMO0192		Refer to code list Formalities and response types	
DE-002-04	Customs declaration type	Enter the relevant Union code	an..5		1101000000	Refer to UCC code lists	BR-047
DE-002-05	Message sender identifier	The identifier of the party transmitting the message. Identification of the physical sender of the message (the system).	an..17	IMO0082			

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The EMSWe data set is mapped with:

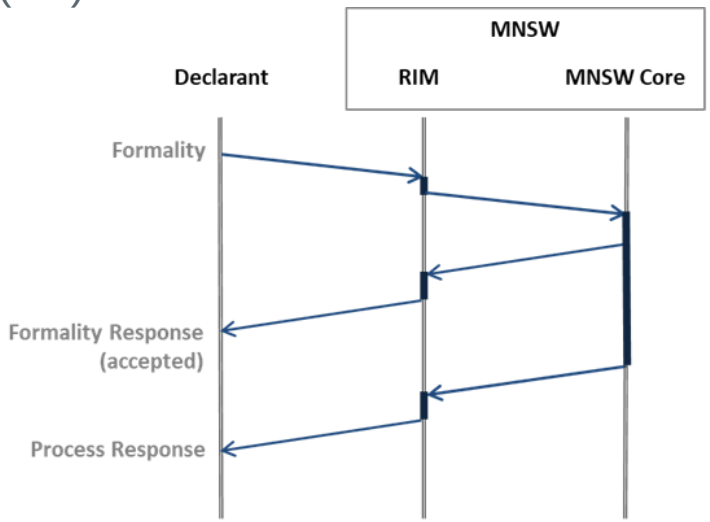
- The **IMO Compendium on facilitation and electronic business**
- Union Customs Codes DA/IA Annex B (**EU Customs Data Model**) maintained by the Commission DG TAXUD

Message Implementation Guide

The MIG is a functional specification laying down standards and messages to be exchanged between senders and MNSWs through the Reporting Interface Module of the EMSWe

Referred to in Article 2 of the Implementing Regulation (EU) 2023/2790

- 36 general principles for message exchanges
- 58 formality messages
- 5 response messages
- 337 Rules, conditions and guidelines
- XML Schema Definitions (XSDs)



UNECE

Multi-Modal Transport Reference Data Model

Message specifications are based on **UNECE Multi-Modal Transport (MMT)** reference data model

The EMSWe MIG is publicly available: https://emsa.europa.eu/emswe-mig/

List of MIG formalities and responses

ABS	Absentee declaration
ACT	Expected activities notification
ATA	Notification of actual arrival
ATD	Notification of actual departure
BKA	Bunkers at arrival
BKD	Bunkers at departure
BLU	Safe loading and unloading of bulk carriers
BWA	Ballast water
CGA	Cargo declaration at arrival
CGD	Cargo declaration at departure
CGM	Customs goods manifest
COA	Cancellation of port call
CRT	Ship certificates
CWA	Crew list at arrival
CWD	Crew list at departure
DUE	Fairway dues declaration
EFF	Crew's effects declaration
EXP	Notification of expanded inspection
EXS	Exit Summary Declaration
EXT	Exit notification
HOS	Hospitalised crew member declaration
HZA	Notification of hazardous materials on board at arrival
HZD	Notification of hazardous materials on board at departure
HZS	Notification of hazardous materials on board during a shift
MDH	Maritime Declaration of Health
MTS	Maritime transport statistics
NAC	Notification of arrival to the customs office of first entry
NAV	Navigation report
NOA	Notice of pre arrival
NOD	Notice of pre departure
NOS	Notification of shift in port
PBK	Passenger booking
POA	Notification of pontoon arrival
POD	Notification of pontoon departure
PPA	Presentation of the proof (at arrival)
PNO	Presentation Notification
PXA	Passenger list at arrival
PXD	Passenger list at departure
REN	Re-export notification
SEC	Notification of security information
SHP	Ship information
SID	Ship identifiers notification
SRV	Request for service
SSA	Ship to ship activity declaration
STA	Declaration of stores on board at arrival
STD	Declaration of stores on board at departure
STW	Stowaways notification
TRA	Electronic transport documents used for transit at arrival
TRD	Electronic transport documents used for transit at departure
TSD	Temporary storage declaration
VID	Request for Visit ID
VIS	Ship visitors declaration
WAR	Waste delivery receipt
WAS	Advance notification for waste delivery to port reception facilities

FRM	Formality response
CLR	Ship clearance decision
BLR	Response to a notification for safe loading and unloading of bulk carriers
SRR	Response to a service request
CUS	Customs Response

Ship and port formalities | Customs formalities | Responses

Common GUI functionalities

All Maritime National Single Windows' graphical user interfaces will include common functionalities and features to ensure a common navigation flow and data upload experience for the declarant, e.g.

- List of ships and port calls
- Port call overview
- Creation of a port call
- Provision of a new formality
- Upload of information from spreadsheets (harmonised at the EU level)
- Re-use of existing formalities
- Save draft formalities
- Consult and update previously submitted or draft formalities
- Cancellation of a port call

Common functionalities are defined by Implementing Regulation (EU) 2023/204

EMSWe Common databases

1. EMSWe Ship Database

Contains ships identification information and particulars, as well as records on ship reporting exemptions.

Updated on the basis of the data submitted by declarants to the MNSWs.

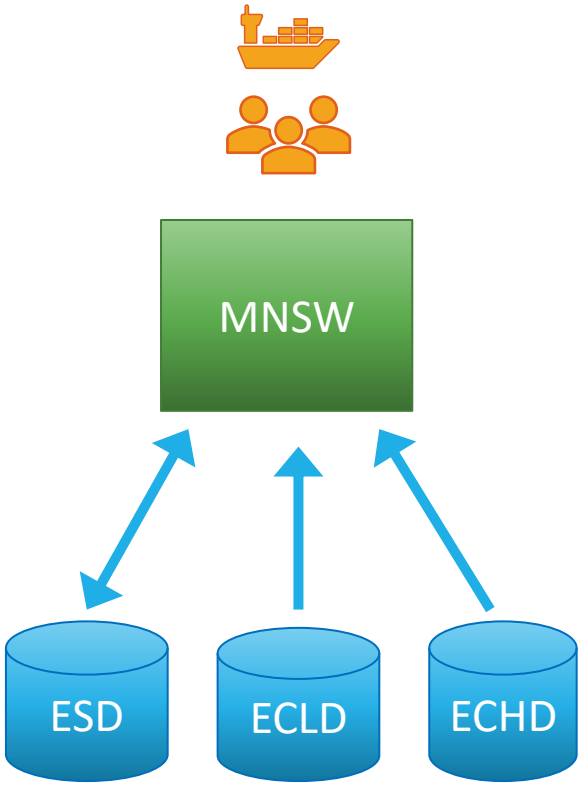
2. Common Location Database

Contains reference information on location codes and port facility codes.

Information will be maintained by EMSA on the basis of information from UNECE, IMO database GISIS and SafeSeaNet.

3. Common Hazmat Database

Contains reference information on dangerous and polluting goods from IMO Conventions and Codes, e.g. IMDG, IMSBC, IGC, IBC, MARPOL Annex I, Tripartite agreements.



Information will be made available to the MNSWs to facilitate ship reporting

More information

EMSA website

https://www.emsa.europa.eu/emsw.html

Commission website

https://transport.ec.europa.eu/transport-modes/maritime/eu-wide-digital-maritime-system-and-services/european-maritime-single-window-environment_en

https://emsa.europa.eu

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EMSA

European Maritime Safety Agency