



IMO

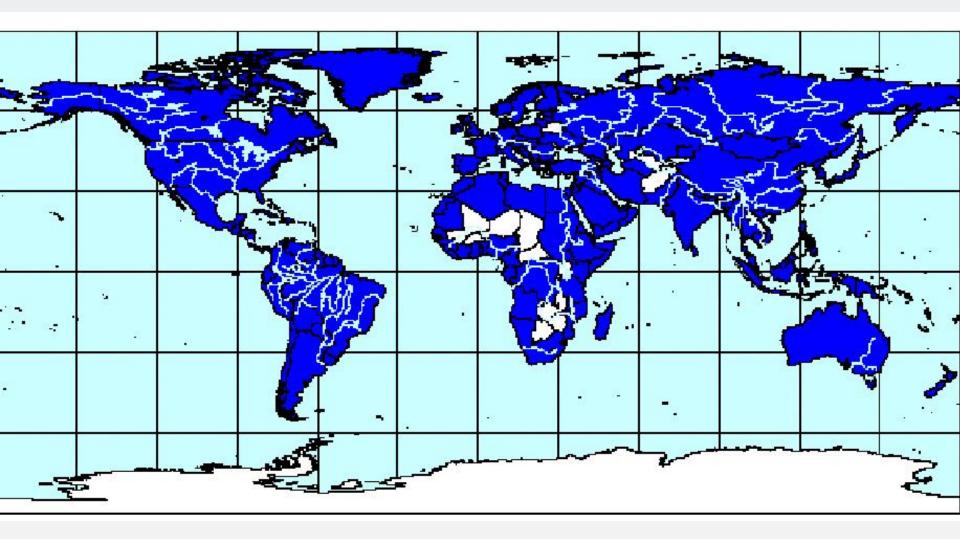
- sets standards for vessel safety
- protects the environment from shipping activities
- has established global provision for search and rescue
- ensures all seafarers are properly trained and competent
- ensures compensation is available when accidents happen







174 Member States, 3 Associate Members, NGOS and IGOS





What IMO does.....

Develop and adopt regulations. 53 treaty instruments, many guidelines, Codes etc. Main conventions widely ratified.

• SOLAS	165 Parties	99.04% world tonnage
Load Lines	162 Parties	99.03% world tonnage
MARPOL I/II	158 Parties	99.01% world tonnage
 MARPOL VI 	95 Parties	96.71% world tonnage
COLREG	160 Parties	99.03% world tonnage
• STCW	165 Parties	99.03% world tonnage
• FAL	124 Parties	94.93% world tonnage





Sub-Committees

Assembly

174 Member States 3 Associate Members

5

Committees

Council

40 Member Governments

Facilitation Committee

Technical
Cooperation
Committee

Legal Committee

Maritime Safety Committee

Marine Environment Protection Committee SHIP DESIGN AND CONSTRUCTION (SDC)

SHIP SYSTEMS AND EQUIPMENT (SSE)

HUMAN ELEMENT, TRAINING AND WATCHKEEPING (HTW)

NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE (NCSR)

CARRIAGE OF CARGOES AND CONTAINERS (CCC)

IMPLEMENTATION OF IMO INSTRUMENTS (III)

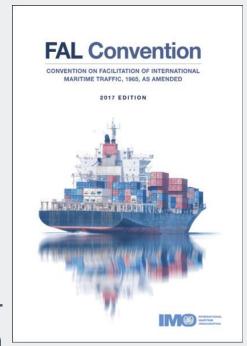
POLLUTION PREVENTION AND RESPONSE (PPR)



IMO Facilitation

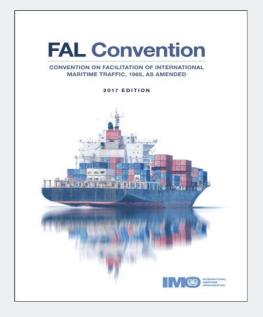
THE FAL CONVENTION - FACILITATION OF INTERNATIONAL MARITIME TRAFFIC

- ✓ Adopted:1965, Entered into force: 1967
- ✓ Number of Contracting Governments: 125
- ✓ Number of Associate Members: 3
- ✓ World tonnage: 95.30 % of the world's fleet
- √ 51 IMO member States are not yet part of FAL
- ✓ Scope of application: Do not apply to warships or pleasure yachts. It applies to all ships engaged in international voyages.
- √ Structure: 16 articles and an Annex of 7 chapters



THE FAL CONVENTION - FACILITATION OF INTERNATIONAL MARITIME TRAFFIC

✓ Articles: Scope of the Convention, General Provisions, Amendment Procedures, Notifications, Entry into Force



✓ Annex

- 1. Definitions and general provisions;
- 2. Arrival, stay and departure of the ship;
- 3. Arrival and departure of persons;
- 4. Stowaways;
- 5. Arrival, stay and departure of cargo and other articles;
- 6. Public health and quarantine, including sanitary measures for animals and plants;
- 7. Miscellaneous provisions.

✓ Appendixes

- 1 IMO FAL Forms
- 2 Letter for arrival and departure of persons
- 3- Form of stowaway details
- 4- Additional info as per IMDG Code



THE FAL CONVENTION FROM PAPER TO ELECTRONIC CLEARANCE IN PORTS

New amendments to FAL Convention introduced in 2016

(Annex, Section 1. C - Systems for the electronic exchange of information)

- ✓ Member States to set up electronic exchange of information to assist clearance processes in ports by 8 April 2019
- ✓ Single Window approach is recommended

Implementation levels in 2020

- ✓ IAPH survey on implementation of FAL requirement (Oct. 2020)
 - 1/3 of respondents not started, 1/3 designing and 1/3 operational
 - Complexity of clearance processes (multi-stakeholder, legal framework)



THE FAL CONVENTION – FROM PAPER FORMS TO ELECTRONIC INFORMATION EXCHANGE

- ✓ The declarations for ship arrival and departure are:
 - General Declaration (FAL form 1)
 - Cargo Declaration (FAL form 2)
 - Ship's Stores Declaration (FAL form 3)
 - Crew's Effects Declaration (FAL form 4)
 - Crew List (FAL form 5)
 - Passenger List (FAL form 6)
 - Dangerous Goods Manifest (FAL form7)

Since 2018, additional declarations entered in force

- Security-related information as required under SOLAS regulation XI-2/9.2.2
- Advance electronic cargo information for customs risk assessment purposes
- Advanced notification form for waste delivery to port reception facilities

Two other documents may also be required:

- Maritime Declaration of Health (IHR)
- Document under Universal Postal Convention for mail



THE FAL CONVENTION – FROM PAPER FORMS TO ELECTRONIC INFORMATION EXCHANGE

FAL CONVENTION (2017 edition)

- ✓ FAL FORMS: Standardized documentation
- ✓ Limits the information requirements from onshore authorities when ships call ports
- ✓ Member States to set up electronic exchange of information to assist clearance processes in ports by 8 April 2019
- √ SW approach recommended



Ongoing review of the FAL CONVENTION (2021)

- ✓ Remove references to 'document' from the Convention to reflect electronic exchange of information
- ✓ From FAL forms to a set of information requirements
- ✓ Single Window approach to become mandatory (data submitted only once through one entry-point)



WHY

- Standards are essential facilitators for efficient and safe implementation of digitalization
- Need for harmonization since different standards are used in shipping

WHAT

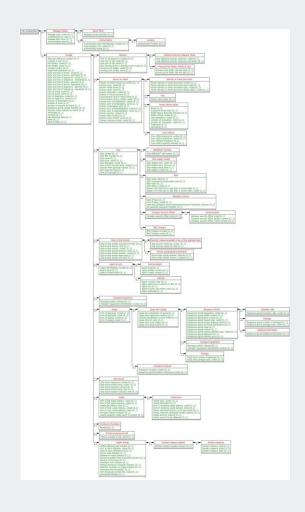
- IMO Compendium is a tool for harmonization and linking to existing standards
- Consists of IMO Data Set + IMO Reference Data Model
- common semantics and representation that can be used unambiguously across and between different implementations/stakeholders
- Jointly developed with WCO, UNECE, ISO, the main organizations involved in the development of standards related to the FAL Convention
 - Partners provide syntax mapping to standards.
 - Partnership agreement (March 2020) with WCO, UNECE, ISO for maintenance & update

MILESTONES

- FAL 28 (November 2000): First version, included standard UN/EDIFACT of FAL Forms + Security report only
- FAL 42 (June 2018): approved new format and to expand the scope beyond the FAL forms.
- FAL 43 (April 2019): approved new version(FAL.5/Circ.41), including data sets of FAL Forms + Security Report + Waste;
- FAL 44 (October 2020): approved new version (FAL.5/Circ.43), with additional data sets: Maritime Declaration of Health and Timestamps for Just in Time Concept;
- FAL 45 (June 2021): approved new version (FAL.5/Circ.44), with additional data sets: Stowaways, acknowledgement receipts.



IMO Compendium	> Data s	et > Data Elements																			
 Preamble of FAL.5/Circ.44 History 	Correlation to BMO Standard Forms																				
Read me	Chg.	Data number	Data element	Definition	Gen. Decl.	Cargo Decl.	Ships Stores Decl.	Crew's Effects Decil.	Crew List	Pass. List	Dang. Goods Man.	Sec. Report	Waste Del. Report	Mar. Decl. Health	Just In Time Conc.	Stowaway	Ack. Recpt.	Mar. Servc.	Format	Code Lists	Business rules
Compendium Purpose and use				carried out during the period of the last fen calls.			Deci.	Deci.	-		Man.		Report	nearm	Conc.						
IMO Data set Introduction IMO Data elements		IMO0167	Ship-to-ship activity location, coded	A code representing the location of the ship-to-ship activity which has been carried out during the period of the last ten calls.								3.4							an5	UNLOCODE	DR 06 DR 21 DR 07 DR 07 DR 07 DR 08 DR 18 DR 08 DR 08 DR 18 DR 08 DR 08 DR 18 DR 08 DR
IMO Reference data model Implementation business rules		IMO0168	Subsequent port of call name	The name and country of a scheduled subsequent port of call.	11														an256		BR 21
Codes maintained by IMO		IMO0169	Subsequent port of call, coded	A code representing a scheduled subsequent port of call.	11														an5	UNLOCODE	
➤ Syntax mappings		IMO0170	Transport contract number	A reference number to identify a document evidencing a transport contract (e.g. Bill of Lading).		B/L No.													an70		
- Overview of changes		IMO0172	Primary purpose of call, coded	A code representing the primary reason for the ship to enter the referenced port.								2.3							an3	UN/EDIFACT codes 8025	
		IMO0173	Waste estimated amount to be generated	The estimated volume of waste to be generated between notification and next port of call (m3).									Page 2						n16,6		BR 07 BR 09 BR 13
		IMO0174	Waste amount to be delivered	The volume of waste the ship plans to deliver (m3).									3						n16,6		BR 09 BR 13
		IMO0175	Waste amount retained	The volume of waste the ship plans to retain on board (m3).									Page 2	!					n16,6		BR 07 BR 09 BR 13
		IMO0178	All waste delivery indicator	A "yes/no" indicator of whether the ship is delivering all waste on board the ship.									Page 2						n1	yes/no indicator (1=yes, 0=no)	
		IMO0179	Waste last delivery date	The last date when waste of any type was delivered.									2.7						an35		
		BMC0180	Waste maximum dedicated storage capacity	Maximum dedicated storage capacity on board for this type of waste in cubic metres (m3).									Page 2						n16,6		BR 07 BR 09 BR 13
		IMO0181	Waste reception facility point of contact	The name of the person to contact at the waste reception facility regarding ship waste delivery.									2.1						an70		
		IMO0183	Waste type, coded	A code representing the type of waste being delivered.									3						an3	To be defined	
		IMO0184	Port facility, coded	A code representing the port facility at the port of call.								2.1							an17	UNILOCODE-Facility identifier (e.g. NLRTM-0406)	BR 06
		IMO0185	Port facility name	The name and country of a port facility at the port of call.								2.1							an256		BR 22
		IMO0186	Dangerous goods additional information	A statement of any other information relevant to the characteristics or hazards of the referenced dangerous goods cargo item.							12								an. 256		
		IMO0187	Dangerous goods package type, coded	A code representing the package type of the referenced dangerous goods.							13								an2	UNIECE Recommendation 21 Annex VI (UNIEDIFACT Code	5





- ✓ New version available on FAL.5/Circ.44 (Approved by FAL 45 – June 2021)
 - □ Purpose and use
 - ☐ The IMO Data Set
 - ☐ The IMO Reference Data Model
 - ☐ Implementation Business Rules
 - □ Code lists maintained by IMO
 - Annexes
 - ✓ Annex 1: WCO Data mapping
 - ✓ Annex 2: UNECE Data mapping
 - ✓ Annex 3: ISO Data mapping
- ✓ Available online IMO Reference Data Model
- ✓ Updates are annual and approved by the FAL Committee



- ✓ Partnership agreement (March 2020) with WCO, UNECE, ISO for maintenance & update.
- ✓ IMO Expert Group on Data Harmonization (EGDH) set up by the FAL Committee in 2019
 - Meets twice a year intersessionally;
 - Maintains the IMO Compendium;
 - Extends IMO Compendium beyond FAL Convention information requirements
 - Examples: WHO Maritime Declaration of Health, operational data (Just-in-time), stowaway's data, ship certificates, environmental data, ship reporting systems



JUST-IN-TIME CONCEPT /PORT CALL OPTIMIZATION

The FAL Committee supports other IMO bodies in electronic data exchange

✓ Just-in-Time Arrival Concept

- Resolution MEPC.323(74) Invitation to Member States to encourage voluntary cooperation between the port and shipping sectors to contribute to reducing GHG emissions from ships.
- Maintaining the most efficient ship operating speed to arrive to the Pilot Boarding Station when availability is ensured of the berth, fairway and nautical services.
- Just-in-time requires good and early communication with the port and harmonization amongst all relevant stakeholders involved
- Two IMO Data sets to support JIT
 - Port arrival/departure timestamps
 - Port call services timestamps



Change Indicator	Data Number	Data Elem	ent	Der		finition					Format		Code lists	Business rules			
+	IMO0231	Pilot Boardin Place	Change Indicator			\Box	'										
+	IMO0232	Berth		Change Indicator	Change Indicator							Concept	١.		4	S S	
+	IMO0233	Berth Positio				Change Inc	Change Inc	Change Inc	Change Inc	Data Number	Data Element	Definition				Just in Time Concept	Forms
+	IMO0234	Date and tim arrival - requ												_			
+	IMO0235	Date and tim arrival - plan		IMO0014	Authentication date Authenticator		ate of authentication.			х	an35			_			
		Date and tim		IMO0018	name	transm	itted information.			X	an.70	0		BR 23			
+	IMO0238	departure - requested Date and tim		IMO0017	Authenticator party identification number	the par inform		the transmitted		х	an17	7					
+	IMO0237	departure -	•	IMO0083	Date and time of arrival - actual	The de	ite and time the ship arrives n. ATA.	at a specified		×	an.35	5		BR 01			
_		planned		IMO0064	Date and time of arrival - estimated	specifi	ate and time the ship is esting and location, ETA.			х	an.35	5		BR 01			
				IMO0085	Date and time of departure - actual	The de locatio	ite and time the ship departs n, ATD.	from a specified		×	an.35	5		BR 01			
			-	IMO0066	Date and time of departure - estimated	from a	ate and time the ship is estin specified location, ETD.			×	an.35	5		BR 01			
			-	IMO0108	Port of arrival, coded	The co	de representing the port wh	are the ship		X	an5		UNLOCODE				
				IMO0128	Authenticator role, coded	A code the val	providing the role of the pe idity of the transmitted inform	rson attesting to nation.		х	an.3	l	EDIFACT codes (3035)				
			٠	IMO0153	Ship stay reference number	stay of	nce number assigned by a p a ship in the port.	,		×	an.35	5					
			+	IMO0229	Anchorage	Hydrog	a in which ships anchor or n graphic Dictionary S-32).	.,		х	an. 25	16					
			+	IMO0230	Terminal	with fa	ber of berths grouped togeth olities for handling cargo (IH sary S-32).			х	an. 25	16					



THE MARITIME SINGLE WINDOW - IMO GUIDANCE

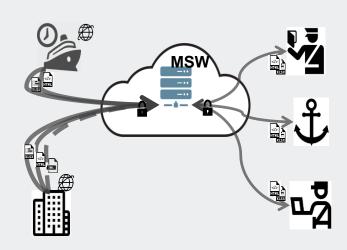
✓ **IMO Guidelines for setting up a Maritime Single Window** FAL.5/Circ.42/Rev.1- Approved FAL 45 (June 2021)

Purpose:

- ✓ Assisting IMO Member States in setting up a MSW
- ✓ Guidelines cover the entire life cycle of the setting up of a MSW
- ✓ Increase competitiveness of IMO Member States
- ✓ No preference on standards!

Contents:

- ✓ Definitions and an roles among the parties, user groups
- ✓ MSW guidelines (Scope, Data Elements, Harmonization, Legislation)
- ✓ Case studies, best practices





THE MARITIME SINGLE WINDOW – TECHNICAL COOPERATION

- IMO Maritime Single Window project for SIDS
 - MSW Antigua and Barbuda funded by Norway
 - Technical expertise provided by the Norway
 - The MSW source code is Open Source and is available to other IMO Member States
- IMO SWiFT project in partnership with Singapore
 - Initial pilot project supported by Singapore and IMO
 - MSW development targeting medium size ports
 - Provides port-to-port connectivity features (API)
- IMO capacity building activities on FAL Convention, MSW, electronic data exchange
 - Raise awareness and understanding of PCS/MSW within key stakeholders
 - Needs assessment missions

















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