

EXPERT GROUP ON DATA
HARMONIZATION
1st session
Agenda item 5

EGDH 1/5
4 October 2019
Original: ENGLISH ONLY
Pre-session public release:

IMO DATA SET RELATED TO THE “MARITIME DECLARATION OF HEALTH”

Submitted by BIMCO

SUMMARY

Executive summary: The document provides input to the current IMO Reference Data Model on health information according to the Maritime Declaration of Health.

Strategic direction, if applicable: 5

Output: 5.8

Action to be taken: Paragraph 14

Related documents: FAL 42/14/1; FAL 42/17; FAL 43/20; FAL 43/7/1; FAL 43/INF.3; MEPC 74/12/4; MEPC 74/INF.34

1 This document refers to the decision of FAL 42, following consideration of a proposal by Liberia et al. (FAL 42/14/1) to extend the scope of work on the IMO Compendium, to include additional e-business solutions that are different to those related to the FAL Convention and annex (FAL 42/17, paragraphs 14.3 to 14.5).

2 FAL 43, having considered documents FAL 43/7/1 and FAL 43/INF.3, agreed on a priority list of data elements (FAL 43/20, annex 1). The list recommends, inter alia, that high priority should be given to establish a new data set for the current IMO Reference Data Model on WHO health information.

Maritime Declaration of Health

3 The Maritime Declaration of Health (MDH), according to the International Health Regulations (IHR), is a report to health authorities ashore about the health conditions on board the ship during the voyage as well as the health status of passengers and crew upon arrival at port. This is a useful tool for the authorities for early detection of public health risks.

4 MDH is already referenced several times in the FAL Convention as being the basic document containing the data required by port health authorities relating to the state of health on board (FAL/Section 2 - Part A/2.1, Part B/2.10, Part C/2.11), and Part H/2.23).

5 The declaration contains information, for example whether anyone has died on board, if there is any case of disease which could be infectious, or if there is any condition that could lead to the spread of disease.

6 The MDH must, upon request by the health authority, be submitted, even if there is no illness on board. The report must be readily available; therefore, such reporting obligation is perceived as being an administrative burden, which could be reduced by electronic means, particularly when used in the context of the maritime single window.

7 The form must be completed by the master of the ship (and countersigned by the ship's surgeon if there is one). It should be submitted to the health authority (to the medical officer of health or a health protection officer) when the "Advance Notice of Arrival" form is submitted. In practice, the completed MDH are often sent to the ship's agent for forwarding to health authorities.

Proposal

8 BIMCO propose to include a number of data elements to the current IMO Reference Data Model in order to ease workload related to the health declaration.

9 Some of the proposed data elements already exists in the IMO Reference Model. In the below table, these are indicated with a symbol starting with "IMOxxxx" and shown in *italics*. There is however a slightly difference in the definitions between what is set out in the FAL.5-Circ.41 containing the IMO data elements, and those data elements contained in the International Health Regulations. The differences are set out in square brackets in the annex to this paper where also more details for each of the data element can be found.

10 The data set is proposed divided in two parts, one related to ship level and one related to person level. This is reflected in the table below:

Change indicator	Data ID	Data Element	Definition
Ship level			
	<i>IMO0108</i>	<i>Port of arrival, coded</i>	<i>The code representing the port where the ship arrives.</i>
	<i>IMO0109</i>	<i>Port of arrival, name</i>	<i>A name and country of the port where the ship arrives.</i>
	<i>IMO0078</i>	<i>Message Date Time</i>	<i>The date and time the message is transmitted.</i>
	<i>IMO0142</i>	<i>Ship name</i>	<i>The ship's name shown on the IMO ship's certificate</i>
	<i>IMO0140</i>	<i>Ship IMO number</i>	<i>The unique ship identification number shown on its IMO ship's certificate.</i>

Change indicator	Data ID	Data Element	Definition
	IMO0076	Last port of call, coded	The code representing the port immediately previous to the port of arrival.
	IMO0075	Last port of call name	The name and country of the port immediately previous to the port of arrival.
	IMO0084	Next port of call, coded	The port immediately subsequent to the port of departure.
	IMO0085	Next port of call, name	The name and country of the port immediately subsequent to the port of departure.
	IMO0138	Ship flag state, coded	The code representing the nationality of the ship shown on its IMO ship's certificate.
	IMO0083	Name of master	The name of the person in charge of the ship.
	IMO0139	Ship gross tonnage	The gross tonnage shown on the ship's International Tonnage Certificate or other document issued by the Flag State or Recognized Organization.
+		Valid Sanitation Control Exemption or Control Certificate, coded	Valid Sanitation Control Exemption or Control Certificate carried on board?
+		Place of issue	Location where the Sanitation Control Exemption or Control Certificate was issued.
+		Date of Issue	Date when the Sanitation Control Exemption or Control Certificate was issued.
+		Re-inspection required	Whether re-inspection is required.
+		Visited infected area	Has ship/vessel visited an infected area identified by the World Health Organization?
+		Port of call in infected area	If ship visited an infected area identified by WHO, this is the port of call in that infected area
+		Date of call in infected area	If ship visited an infected area identified by WHO, this is the date of the call in that infected area.

Change indicator	Data ID	Data Element	Definition
	IMO0110	Port of call sequence number	A number indicating the order of a port of call on a list.
	IMO0127	Previous port of call, coded	A code representing a previous port of call.
	IMO0126	Previous port of call, name	The name and country of a previous port of call
	IMO0125	Previous port facility call end date	The end date of a previous port facility call.
	IMO0086	Number of crew	The count of persons actually employed for duties on board during a voyage in the working or service of a ship and included in the crew list.
	IMO0087	Number of passengers	The count of persons on board the ship who are passengers as defined by SOLAS.
+		Any person died	Has any person died on board during the voyage otherwise than as a result of accident?
+		Number of deaths	Total number of deaths
+		Disease on board	Is there on board or has there been during the international voyage any case of disease which you suspect to be of an infectious nature?
+		Ill persons greater than expected	Has the total number of ill passengers during the voyage been greater than normal/expected?
+		Number of ill persons	Number of ill persons during the voyage
+		Ill persons now	Is there any ill person on board now?
+		Medical consulted	Was a medical practitioner consulted?
+		Infection condition on board	Are you aware of any condition on board which may lead to infection or spread of disease?
+		Sanitary measure applied	Has any sanitary measure (e.g. quarantine, isolation, disinfection or decontamination) been applied on board?

Change indicator	Data ID	Data Element	Definition
+		Type of sanitary measure	Type of sanitary measure
+		Place of sanitary measure	Place of sanitary measure
+		Date of sanitary measure	Date of sanitary measure
+		Stowaways found	Have any stowaways been found on board?
+		Location stowaways joined ship	Location where the stowaways are assumed to have joined the ship, if any and if known.
+		Sick animal	Is there a sick animal or pet on board?
Person level			
	IMO0044	Person on board sequence number	A number indicating the order of the referenced person in a list.
	IMO0107	Person type, coded	A code representing the type of a person on board the ship, such as master, crew member or passenger.
	IMO0098	Person family name	The family name of the referenced person.
	IMO0100	Person given name	The given name of the referenced person, such as a crew member or passenger
	IMO0042	Crewmember rank or rating name	The description of the referenced crewmember's rank or rating on the ship.
	IMO0043	Crewmember rank or rating, coded	A code representing the referenced crewmember's rank or rating on the ship.
	IMO0097	Person date of birth	The referenced person's date of birth as shown on the person's identity document.
	IMO0099	Person gender, coded	A code representing the gender of the referenced passenger.
	IMO0105	Person nationality, coded	A code representing the nationality of the referenced person as shown on the person's identity or travel document.
+		Port of embarkation, name	The name of the port from which the referenced person embarked the ship.

Change indicator	Data ID	Data Element	Definition
+		Port of embarkation, coded	The code representing the port from which the referenced person embarked the ship.
+		Embarkation date	Date when the person embarked the ship
+		Illness	Nature of illness
+		Symptoms date	Date of onset of symptoms
+		Reported to port medical	Reported to a port medical officer?
+		State	Whether the person recovered, is still ill or died
+		Case Disposal	Whether the person is still on board, was evacuated, or was buried at sea
+		Location of evacuation, name	The name of the port or airport where person was evacuated
+		Location of evacuation, coded	The code of the port or airport where person was evacuated
+		Treatment	Drugs, medicines or other treatment given to patient
+		Comments	Comments on the specific case in the MDH attachment

11 The data elements should be included in the ongoing development of the IMO Reference Data Model.

Notes for discussion

12 For element “Person type, coded” the IMO Reference Data Model says to use the EDIFACT codes 3035. The code does however not include the person type “stowaway”. Proposal could be to adopt the EDIFACT code 3035, with an inclusion of the person type “stowaway”.

13 Furthermore, the new elements needed to comply with the MDH are the “Port of embarkation, name” and “Port of embarkation, coded”. These two data elements have almost similar data elements already in the existing IMO Reference Model: “Passenger port of embarkation, coded” (IMO0091) and “Passenger port of embarkation, name” (IMO0094). A proposal could be to consider renaming the existing elements to a more general wording “Person port of embarkation”.

Action requested of the Expert Group on Data Harmonization

14 The Group is invited to consider the information contained in paragraphs 8 to 11 of this document and take action as deemed appropriate.

ANNEX

Port information
Source: International Health Regulation

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
Ship level						
	IMO0108	Port of arrival, coded	The code representing the port where the ship arrives. [Submitted at the port of]	an5	UN/LOCODE	
	IMO0109	Port of arrival, name	A name and country of the port where the ship arrives. [Submitted at the port of]	an..256		BR 21
	IMO0078	Message Date Time	The date and time the message is transmitted.	an..35		BR 01
	IMO0142	Ship name	The ship's name shown on the IMO ship's certificate	an..70		
	IMO0140	Ship IMO number	The unique ship identification number shown on its IMO ship's certificate. [Registration/IMO No]	an..7		
	IMO0076	Last port of call, coded	The code representing the port immediately previous to the port of arrival. [Arriving from]	an5		

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
	IMO0075	Last port of call name	The name and country of the port immediately previous to the port of arrival. [Arriving from]	an..256		BR 21
	IMO0084	Next port of call, coded	The port immediately subsequent to the port of departure. [sailing to]	an5	UN/LOCODE	
	IMO0085	Next port of call, name	The name and country of the port immediately subsequent to the port of departure. [sailing to]	an..256		BR 21
	IMO0138	Ship flag state, coded	The code representing the nationality of the ship shown on its IMO ship's certificate. [Nationality / Flag of vessel]	a2	ISO 3166-1 alpha-2 code	
	IMO0083	Name of master	The name of the person in charge of the ship.	an..70		BR23

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
	IMO0139	Ship gross tonnage	The gross tonnage shown on the ship's International Tonnage Certificate or other document issued by the Flag State or Recognized Organization.	n..14,3		BR 03 BR 09
+		Valid Sanitation Control Exemption or Control Certificate, coded	Valid Sanitation Control Exemption or Control Certificate carried on board?	an..3	It is either "No", or "Sanitary Control Exemption" or "Sanitary Control Certificate"	
+		Place of issue	Location where the Sanitation Control Exemption or Control Certificate was issued.	an5	UN/LOCODE	
+		Date of Issue	Date when the Sanitation Control Exemption or Control Certificate was issued.	an..35		BR 01
+		Re-inspection required	Whether re-inspection is required.	n1	yes/no indicator (1=yes, 0=no)	
+		Visited infected area	Has ship/vessel visited an infected area identified by the World Health Organization?	n1	yes/no indicator (1=yes, 0=no)	

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
+		Port of call in infected area	If ship visited an infected area identified by WHO, this is the port of call in that infected area	an5	UN/LOCODE	
+		Date of call in infected area	If ship visited an infected area identified by WHO, this is the date of the call in that infected area	an..35		BR 01
	IMO0110	<i>Port of call sequence number</i>	<i>A number indicating the order of a port of call on a list.</i>	<i>n..5</i>		<i>BR 09 BR 12</i>
	IMO0127	Previous port of call, coded	<i>A code representing a previous port of call. [List of port calls taken by the ship in the last thirty days, or during this voyage, whichever is shortest]</i>	an5	UN/LOCODE	
	IMO0126	<i>Previous port of call, name</i>	<i>The name and country of a previous port of call. [List of port calls taken by the ship in the last thirty days, or during this voyage, whichever is shortest]</i>	an..256		<i>BR 21</i>
	IMO0125	<i>Previous port facility call end date</i>	<i>The end date of a previous port facility call. [List of port calls taken by the ship in the last thirty days, or during this voyage, whichever is shortest]</i>	an..35		BR 01

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
	IMO0086	Number of crew	The count of persons actually employed for duties on board during a voyage in the working or service of a ship and included in the crew list.	n..4		BR 03 BR 09
	IMO0087	Number of passengers	The count of persons on board the ship who are passengers as defined by SOLAS	n..4		BR 03 BR 09
+		Any person died	Has any person died on board during the voyage otherwise than as a result of accident?	n1	yes/no indicator (1=yes, 0=no)	
+		Number of deaths	Total number of deaths	n..4		BR 03 BR 09
+		Disease on board	Is there on board or has there been during the international voyage any case of disease which you suspect to be of an infectious nature?	n1	yes/no indicator (1=yes, 0=no)	
+		Ill persons greater than expected	Has the total number of ill passengers during the voyage been greater than normal/expected?	n1	yes/no indicator (1=yes, 0=no)	
+		Number of ill persons	Number of ill persons during the voyage	n..4		BR 03 BR 09

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
+		Ill persons now	Is there any ill person on board now?	n1	yes/no indicator (1=yes, 0=no)	
+		Medical consulted	Was a medical practitioner consulted?	n1	yes/no indicator (1=yes, 0=no)	
+		Infection condition on board	Are you aware of any condition on board which may lead to infection or spread of disease?	n1	yes/no indicator (1=yes, 0=no)	
+		Sanitary measure applied	Has any sanitary measure (e.g. quarantine, isolation, disinfection or decontamination) been applied on board?	n1	yes/no indicator (1=yes, 0=no)	
+		Type of sanitary measure	Type of sanitary measure	an..256		
+		Place of sanitary measure	Place of sanitary measure	an..256		
+		Date of sanitary measure	Date of sanitary measure	an..35		BR 01
+		Stowaways found	Have any stowaways been found on board?	n1	yes/no indicator (1=yes, 0=no)	
+		Location stowaways joined ship	Location where the stowaways are assumed to have joined the ship, if any and if known.	an5	UN/LOCODE	

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
+		Sick animal	Is there a sick animal or pet on board?	n1	yes/no indicator (1=yes, 0=no)	
Person level						
	IMO0044	Person on board sequence number	A number indicating the order of the referenced person in a list.	n..5		BR 09
	IMO0107	Person type, coded	A code representing the type of a person on board the ship, such as master, crew member or passenger.	an..3	EDIFACT codes (3035)	
	IMO0098	Person family name	The family name of the referenced person.	An..70		
	IMO0100	Person given name	The given name of the referenced person, such as a crew member or passenger	An..70		
	IMO0042	Crewmember rank or rating name	The description of the referenced crewmember's rank or rating on the ship. [Class or rating]	An..70		
	IMO0043	Crewmember rank or rating, coded	A code representing the referenced crewmember's rank or rating on the ship. [Class or rating]	an..3		

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
	IMO0097	Person date of birth	The referenced person's date of birth as shown on the person's identity document.	an..35		
	IMO0099	Person gender, coded	A code representing the gender of the referenced passenger. [Sex]	an..3	EDIFACT codes (3499)	
	IMO0105	Person nationality, coded	A code representing the nationality of the referenced person as shown on the person's identity or travel document.	a2	ISO 3166-1 alpha-2 code	
+		Port of embarkation, name	The name of the port from which the referenced person embarked the ship. [Port joined ship/vessel]	an..256		
+		Port of embarkation, coded	The code representing the port from which the referenced person embarked the ship. [Port joined ship/vessel]	an5	UN/LOCODE	
+		Embarkation date	Date when the person embarked the ship	an..35		BR 01
+		Illness	Nature of illness	an..256		

Change indicator	Data ID	Data element	Definitions	Format	Code lists	Business rules
+		Symptoms date	Date of onset of symptoms	an..35		BR 01
+		Reported to port medical	Reported to a port medical officer?	n1	yes/no indicator (1=yes, 0=no)	
+		State	Whether the person recovered, is still ill or died	an..256		
+		Case Disposal	Whether the person is still on board, was evacuated, or was buried at sea	an..256		
+		Location of evacuation, name	The name of the port or airport where person was evacuated to	an..256		
+		Location of evacuation, coded	The code of the port or airport where person was evacuated	an5	UN/LOCODE	
+		Treatment	Drugs, medicines or other treatment given to patient	an..256		
+		Comments	Comments on the specific case in the MDH attachment	an..256		