

FACILITATION COMMITTEE
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Agenda item 6

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**REVIEW AND REVISION OF THE IMO COMPENDIUM ON FACILITATION AND
ELECTRONIC BUSINESS, INCLUDING ADDITIONAL E-BUSINESS SOLUTIONS**

**Provision of information supporting berth to berth route planning in
IHO Standard S-131 (Marine Harbour Infrastructure)**

Submitted by IHO

SUMMARY

Executive summary: The International Hydrographic Organization (IHO) S-100 framework standard specifies the method for hydrographic data modelling and developing product specifications. This document informs the Committee on data elements provided by the IHO standard S-131 (Marine Harbour Infrastructure) which supports the conduct of berth to berth route planning operations according to IMO resolution A.893(21).

Strategic direction, if applicable: 5

Output: Not applicable

Action to be taken: Paragraph 5

Related document: Resolution A.893(21)

Background

1 Annex 25 of the *Guidelines for voyage planning* – resolution A.893(21) underlines the importance to conduct a berth to berth planning before starting the voyage.

2 Annex 24 describes the key elements of the voyage planning in more detail. In Section 4.), Appraisal, the Guidelines state: "Once a full appraisal has been carried out, the navigating officer carries out the Planning process, acting on the master's instructions. The detailed plan should cover the whole voyage, from berth to berth, and include all waters where a pilot will be on board. The plan should be completed and include all the relevant factors listed in the Guidelines."

Applicable IHO Standards

3 All marine information services, as referred to in the e-navigation Strategy Implementation Plan (SIP) as Maritime Services (MSC.1/Circ.1595, as may be revised), are being considered to be transitioned from conventional transmission methods to contemporary digital technologies. Modern shipping relies on a large amount of data and information to safely navigate from berth to berth. Current navigational charts in paper or electronic form do not provide sufficient berth information enabling navigating officers to fulfil this requirement. In support of digitization on board, the exchange of nautical information and the provision of Maritime Services in the context of e-navigation, IHO's S-100 Universal Hydrographic Data Model was adopted by IMO in 2011 as the basis for technical harmonization of data services providing navigation related information exchange.

4 IHO in close cooperation with the International Harbour Master Association intends to provide sophisticated berth information in the S-100 compliant product specification S-131 (Marine Harbour Infrastructure) currently under development. Some of the data elements have commonalities with the FAL Compendium. The data elements applicable are:

Feature Name: Berth

Attributes: Available Berthing Length, Berth Elevation, Terminal ID, at Location, reference Location, Category of Berth Location, Meter Mark Number, ID GLN and Port Facility Number, Port Facility LOCODE.

Feature Name: Berth Position

Attributes: Port Facility Number, Port Facility LOCODE, Bollard Number, from Meter Mark Number, to Meter Mark Number.

Feature Name: Terminal

Attributes: Port Facility Number, Port Facility LOCODE, Terminal ID.

Action requested of the Committee

5 The Committee is invited to take note of the information provided and take any other action it considers appropriate.
