

S-101PT10

# Mooring/Warping Facility

Agenda Item 7.5

#### **BACKGROUND**

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S-57 models some real world objects as more generic facility objects. Mooring Facility is one case where the modelling could be improved. This paper proposes a way ahead for this remodelling.

Although Small Craft Facility and Harbour Facility also use a generic feature these are considered more appropriate.

S-101 has created more specialist features to better represent the real world examples include;

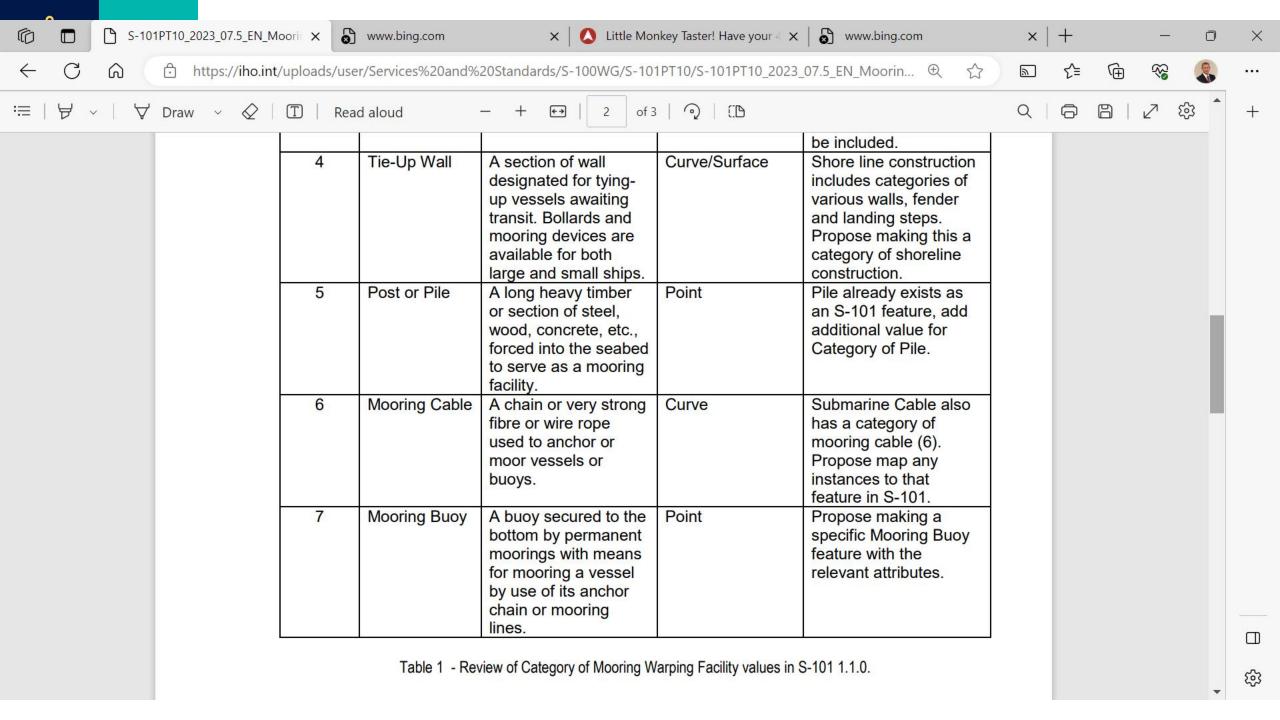
LIGHTS – Light All Around, Fog Detector Light....

LNDMRK+PILNT – Offshore Wind Turbine

## **IHO CHANGES 1-3**

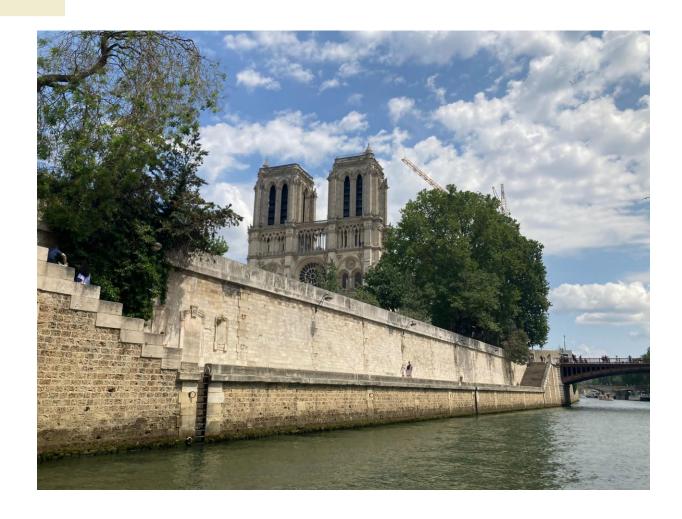
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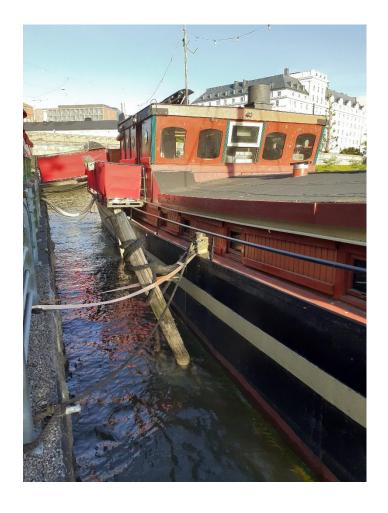
	Code	Label	Definition	Primitives	Comments
	1	Dolphin	A post or group of posts, used for mooring or warping a vessel, or as an aid to navigation. The dolphin may be in the water, on a wharf or on the beach.	Point/Surface	Create new feature Dolphin. Potential for OCIMF definition to be used. "An independent platform incorporating mooring hooks or bollards for securing ship's mooring lines"
	2	Deviation Dolphin	A post or group of posts, which a vessel may swing around for compass adjustment.	Point/Surface	Create new feature Dolphin and use a Boolean attribute to indicate deviation Dolphins
	3	Bollard	Small shaped post, mounted on a wharf or dolphin used to secure ship's lines.	Point, Surface	Propose create a dedicated feature this would allow an attribute for Safe Working Loadto be included. Elevation as present on MORFAC should be retained. An attribute





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#### **BOLLARDS**

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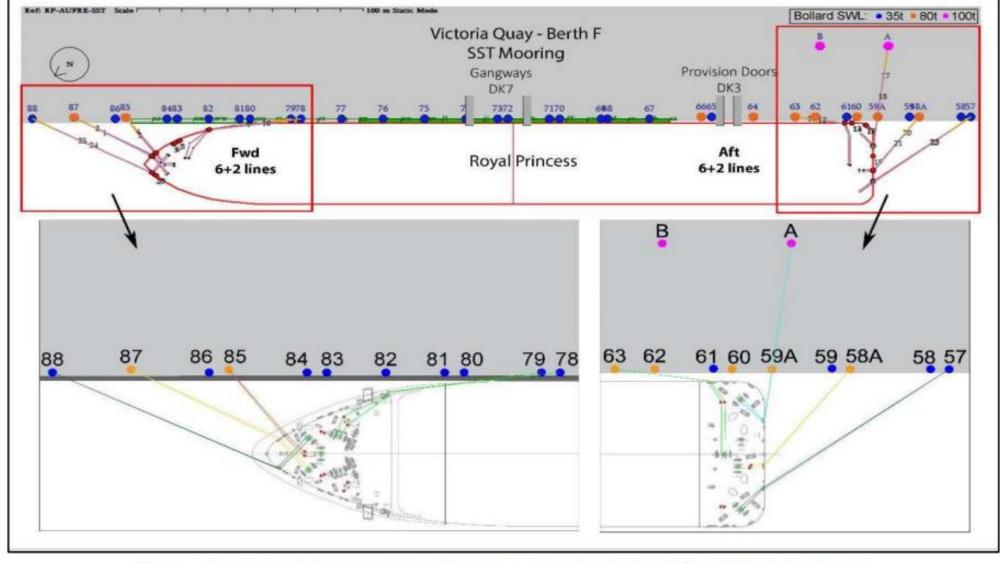


Figure 1 – An existing mooring diagram showing bollard Safe Working Load.



### HO ACTION REQUIRED

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## **Action Required of S-101PT**

- A. S-101PT adapt the Mooring/Warping Facility feature to improve modelling and make changes to the Feature Catalogue and DCEG in S-101 1.2.0.
- B. S-101PT as a consequence of A should engage with the Conversion Subgroup to update conversion guidance for these changes.
- C. Review any affected S-101 validation checks.
- D. D. S-101PT consider adding Safe Working Load as a new attribute on the proposed new feature Bollard. No new or amended symbols are proposed at this stage but the 1.2.0 Portrayal Catalogue will need to be edited due to the modelling changes.
- E. E. Engage with NIPWG on potential changes in S-131 given S-101PT discussions.