

MARITIME SAFETY COMMITTEE  
109th session  
Agenda item 4

MSC 109/INF.6  
24 September 2024  
ENGLISH ONLY  
Pre-session public release:

## GOAL-BASED NEW SHIP CONSTRUCTION STANDARDS

### Status report addressing GBS audit observations common to IACS members

Submitted by IACS

#### SUMMARY

*Executive summary:* This document provides the updated status of the work which is undertaken to address the IACS "common" observations as on 30 August 2024.

*Strategic direction, if applicable:* 7

*Output:* 7.24

*Action to be taken:* Paragraph 4

*Related documents:* MSC 107/20, MSC 107/INF.10; MSC 106/19, MSC 106/INF.8; MSC 105/20, MSC 105/INF.6, MSC 105/INF.9; MSC 104/18, MSC 104/INF.8; MSC 103/21, MSC 103/INF.9; MSC 102/24, MSC 102/INF.20; MSC 101/24, MSC 101/INF.13; MSC 100/20, MSC 100/6/5, MSC 100/6/10; MSC 99/22, MSC 99/INF.19; MSC 98/23, MSC 98/INF.7, MSC 98/INF.12, MSC 98/INF.14; MSC 96/5, MSC 96/5/1 and Add.1 and MSC 96/5/9

#### Background

1 MSC 107, having noted the status reports addressing audit observations provided in document MSC 105/INF.9 (IACS), as well as the information provided in documents MSC 105/INF.6 (Secretariat), MSC 106/INF.8 (Secretariat) and MSC 107/INF.10 (IACS), requested the Secretariat to provide an updated list when new information became available.

#### Updated reports on the status as on 30 August 2024

2 IACS has prepared updated reports on status of the work to address the "common" observations of both the initial verification and the first maintenance verification. These updated reports are provided in the annex and are relevant to the work in progress. The latest updated status is indicated in "grey shading" to highlight all modifications.

3 The reports related to those observations, the work on which is completed, are not included in this document and can be found in documents MSC 98/INF.12, MSC 99/INF.19, MSC 101/INF.13, MSC 102/INF.20, MSC 103/INF.9, MSC 105/INF.9 and MSC 106/INF.8, as well as MSC 107/INF.10 (IACS).

**Action requested of the Committee**

- 4 The Committee is invited to note the information provided.

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**ANNEX**

**STATUS REPORT ON ADDRESSING OBSERVATIONS**

<p><b>Submitted to:</b> IMO Secretariat <b>Date:</b> 28 February 2023</p>	<p><b>Observation No.:</b> <b>IACS/2015/FR1-8/OB/04</b></p>
<p><b>Corrective Action Plan:</b> Annex 4 of MSC 96/5/1/Add.1</p>	<p><b>Audit Report:</b> Annex 13, page 11 of MSC 96/5</p>
<p><b>Observation</b> (extracted from the audit report– part only)</p> <p>No benchmarking of reference values (values obtained by direct analysis) with experimental or service data has been found, as requested by the GBS audit standard 2.2.4.</p> <p>IACS replied 6 November 2014 that: "current CSR-OT and CSR-BC have been developed based on experiences from successful operation of ships and have been modified based on feedback from operational experience. This indicates current CSR-OT and CSR-BC already comprise service history data." However, the successful operation and operational experience referred to has not been reported as evidence of benchmarking to the audit.</p> <p>[paragraphs omitted]</p> <p>However, upon a direct question at the last meeting with IACS 7 May 2015, IACS could not provide evidence that procedures for a systematic collection of data to benchmark CSR-H is in place.</p> <p><b>Detailed Action Plan</b></p> <ol style="list-style-type: none"> <li>1. Development of a procedure for collection of experimental and service history data to benchmark CSR requirements.</li> <li>2. Validation and benchmarking of a method for determining the life-time ship motions and loads based on available experimental and service history data.</li> </ol> <p><b>Deliverables</b></p> <ol style="list-style-type: none"> <li>1) IACS common procedure for the systematic collection of data to benchmark CSR requirements.</li> </ol> <p style="padding-left: 40px;">A dedicated project team is working on the development of benchmarking of reference load values obtained by direct analysis with experimental or service experience data, and updating the wave load part of IACS CSR rules with Technical Background.</p> <p><b>Timescales</b></p> <p>The next status report will be submitted to the IMO at the appropriate juncture.</p>	

### STATUS REPORT ON ADDRESSING OBSERVATION

<b>Submitted to:</b> IMO Secretariat <b>Date:</b> 31 January 2022	<b>Observation No.:</b> <b>IACS/2018/Maint/ OB/2</b>
<b>Improvement Action Plan:</b> Annex 2 of MSC 100/6/10	<b>Audit Report:</b> Annex, page 12 of MSC 100/6/5
<b>Improvement Action to address IACS/2018/Maint/OB/2</b> As shown in page 12 of the Annex to MSC 100/6/5, IACS will develop the Technical Background document to justify that the acceptable limits of yielding have been considered in revising the requirement about net connection area of connecting bracket (Pt 2, Ch 1, Sec 3, [1.4.2]).  <b>Deliverables</b> 1) New Technical Background document. IACS work to address this observation is in progress.  <b>Timescales</b> The next status report will be submitted to the IMO at the appropriate juncture.	

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