



**TECHNICAL CIRCULAR No. 739 of 7<sup>th</sup> July 2022**

To	All Surveyors/Auditors. All flags
Title	<b>Second Generation Intact Stability Criteria</b>
Reference	Intact Stability Criteria MSC.1/Circ.1627

**SECOND GENERATION INTACT STABILITY CRITERIA Draft** – Explanatory Notes to the Interim Guidelines on Second Generation Intact Stability Criteria.

To support the uniform interpretation and application of the Interim Guidelines on Second Generation Intact Stability Criteria (MSC.1/Circ.1627) which was adopted at MSC 102, the Sub-Committee has finalized an accompanying Explanatory Note to assist the shipping industry in understanding and applying certain concepts within the Interim Guidelines.

The structure of the Explanatory Notes follows that of the Interim Guidelines and provides comments and explanations for those paragraphs of the Interim Guidelines that have been identified as most benefiting from additional discussion, clarification, or explanation.

In six appendices, the Explanatory Notes provide guidance on the following aspects of the Interim Guidelines:

Appendix 1 – Physical description of the stability failure modes addressed by the second-generation intact stability criteria

Appendix 2 – Examples of assessments using vulnerability criteria according to the second-generation intact stability criteria

Appendix 3 – Elements for numerical modelling of roll motion in the vulnerability criteria of the second-generation intact stability criteria

Appendix 4 – Theoretical background, validation, and application examples for the Guidelines on direct stability assessment

Appendix 5 – Theoretical background, validation, and application examples for the Guidelines on operational measures

Appendix 6 – Application examples of treatment of loading conditions.

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Next Steps: The Explanatory Notes will be progressed to MSC 105 (Apr-2022) for further consideration and approval, for release as an MSC circular.

REFERENCES:

- Intact Stability Criteria

ATTACHMENTS: No

Kindest Regards,  
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