

WORKSHOP on 26.05.2023

The Second Generation Intact Stability Criteria – IMO Interim Guidelines

Duration: about 4 hours

Presenters:

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Content of the Workshop:

Part 1. Introduction to the Second Generation Intact Stability Criteria

- Foreword.
- IMO's motivation for the development of the Second Generation Intact Stability Criteria.
- Commencement of IMO's work in 2004 and the adopted methodology.
- Selection of the stability failure modes.
- A brief overview of the work progress from 2004 to 2020 (SLF+SDC).
- The structure and logic of the Second Generation Intact Stability Criteria framework.

Part 2. Vulnerability criteria and standards adopted on Level 1 and Level 2 stability assessment for five failure modes

- Criteria used to assess ship's vulnerability to a given stability failure at a given level.
- Adopted standards.
- Data required to perform calculations.
- Calculation procedure.

Part 3. Guidelines for the direct stability failure-assessment (DSA) and operational measures (OM)

- Direct Stability Assessment.
- Operational Limitations.
- Operational Guidance.

Part 4. Examples of calculations on Level 1 and Level 2 for selected stability failure modes

- Calculation software at different levels.
- Sample results of calculations.

Part 5. Summary and discussion

- IMO's follow-up, testing the criteria, gathering information and experience from test calculations.
- Second Generation Intact Stability Criteria – the success or fiasco?
- Discussion.