

Development of external impact pressures for bow impact and bottom/stern slamming

■ Summary of Major Amendments

Related Rules/Guidance	Effective date
Pt. 14 Structural Rules for Container Ships	– ships contracted for construction on or after 1 July 2024

■ Major Amendments

○ Reason for Amendments

1. Request to develop practical external impact pressures for bow impact, bottom and stern slamming.

○ Amendments

1. The equivalent design pressure for the external impact pressure was revised by combining the entry impact pressure and breaking wave pressure which were determined according to locations along the ship.

○ Impact Analysis

- ✓ Indication of any impact on and/or contribution to safety, security or environmental protection
 - : Contribute to reasonable evaluation of hull strength by developing external impact pressure formula
- ✓ Indication of any impact on net and gross scantlings
 - : There is no effect on the required net or gross thickness, however the reinforcement area changes.