

**Amendment No 1
to the
National Standard for Commercial Vessels
Part C; Design and Construction
Section 6; Stability
Subsection 6A; Intact Stability Requirements
(Edition 1)**

Revised Text

Edition 1 of the National Standard for Commercial Vessels, Part C; Design and Construction, Section 6; Stability, Subsection 6A; Intact Stability Requirements as published in April 2008 is amended as follows.

The amendment, which includes technical and correction changes, was approved by the National Marine Safety Committee on 5 October 2010, published on 28 October 2010 and comes into effect from that date.

It should be inserted in the appropriate places.

Summary

This amendment applies to Clauses 1.7, 5.5.3, 6.3.5.3, 8.6, H4.2, J5, J6 and to Tables 6 and 11.

AMDT No.1 28 Oct 10	Page 12, Line 44, Clause 1.7, Delete "a vessel with a <i>rigid</i> hull provided with one or more buoyant collars around...." and replace with "a vessel with a hull provided with one or more buoyant collars around...."
AMDT No.1 28 Oct 10	Page 30, Row 4, Column 2, Line 5, Table 6 Delete "...Part C Subsection 6C" and replace with "...Part C Subsection 6B"
AMDT No.1 28 Oct 10	Page 30, Row 4, Column 3, Line 5, Table 6 Delete "...Part C Subsection 6C" and replace with "...Part C Subsection 6B"
AMDT No.1 28 Oct 10	Page 36, Row 2, Column 3, Line 6, Table 11 Delete "...degrees (see) " and replace with "...degrees (see <i>Figure 7A</i>)"
AMDT No.1 28 Oct 10	Page 36, Row 6, Column 3, Line 4, Table 11 Delete "... (see b) and.... " and replace with "... (see <i>Figure 7b</i>) and...."
AMDT No.1 28 Oct 10	Page 37, Line 17, Clause 5.5.3, Delete "...operational areas A, B, C." and replace with "...operational areas B and C."

<p>AMDT No.1 28 Oct 10</p>	<p>Page 37, Line 23, Clause 5.5.3, Delete “h = the vertical distance from the centre of area A to a ” and replace with “h = the vertical distance from the centre of area A_w to a ”</p>
<p>AMDT No.1 28 Oct 10</p>	<p>Page 45 Line 6 Clause 6.3.5.3 (Clarification - Correction) Delete “...calculating the mean wind heeling lever shall be as specified in Annex K.” and replace with “...calculating the mean wind heeling lever shall be as specified in Annex K.”</p> <p><i>NOTE: While not needed for calculation of criteria, an analysis is required to provide the guidance for the operator specified in Part C Section 6C as to the appropriate amount of sail to be carried at a given wind speed. In this case the upright maximum mean wind heeling lever is used to establish the appropriate combinations of wind pressure and sail plan using the method provided in Annex D. The wind speed corresponding to a given wind pressure may be determined by the following formula:</i></p> $V_w = \sqrt{6.25 P_w}$ <p>Where</p> <p>V_w = the corresponding wind speed, in knots P_w = the wind pressure, in Pascals</p>
<p>AMDT No.1 28 Oct 10</p>	<p>Page 82 Line 21 Clause 8.6 Delete “...FOR DUMB BARGE LIFTING HEAVY LOADS” and replace with “...FOR DUMB BARGES LIFTING HEAVY LOADS”</p>
<p>AMDT No.1 28 Oct 10</p>	<p>Page 103 Line 1 Clause H4.2 Insert after line 1 the new subclause heading: “H4.2.1 Monohull Vessels”</p>
<p>AMDT No.1 28 Oct 10</p>	<p>Page 104 Line 24 Clause H4.2 Insert after line 24, the following new subclause: “H4.2.2 Multihull Vessels The angle of roll (θ_l) referred to in Clause H.2 and Figure H.1, whether determined from Model Test or other data, or in their absence shall be taken as 15 degrees.”</p>
<p>AMDT No.1 28 Oct 10</p>	<p>Page 106 Line 22 Clause J5 Replace the formula $HZ_B = \frac{A_f}{-0.00003 \theta_B^3 + 0.0025 \theta_B^2 - 1.042 \theta_B}$ with the formula $HZ_B = \frac{A_f}{-0.00003 \theta_B^3 - 0.0025 \theta_B^2 + 1.042 \theta_B}$</p>

AMDT No.1 28 Oct 10	<p>Page 107 Line 17 Clause J6</p> <p>Replace the formula $HZ_B = \frac{A_C}{-0.00003 \theta_V^3 + 0.0025 \theta_V^2 - 1.042 \theta_V}$ with the</p> <p>formula $HZ_B = \frac{A_C}{-0.00003 \theta_V^3 - 0.0025 \theta_V^2 + 1.042 \theta_V}$</p>
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