

Subdivision and Damage Stability of Cargo Ships of 80m in Length and Over

Notice to Shipbuilders, Shipowners, Shiprepairers, Naval Architects, Masters and Officers

Summary

This Notice amends the existing Merchant Shipping Notice 1715 (M)

Key points:

- Amendment to the formula for the required subdivision index 'R'.
- Amendments to the basis of calculating the "p" and "s" factors regarding the application of the regulations to the subdivision arrangements given in figures A-1 and A-4 values which relate to transverse subdivision.
- Amendment to determination of reduction factor "r" for obtaining the "p" value for a wing compartment.

1. This Notice amends Merchant Shipping Notice 1715 (M). The amendments made by this Notice are corrections to errors to various formulae in the Annexes and Appendices of the Notice. The amendments required are as follows:

- a. Annex 1, page 4:

The formula in paragraph 2.1.2 should read:
$$R = 1 - \left[\frac{1}{1 + \frac{L_s}{100} \times \frac{R_0}{1 - R_0}} \right]$$

- b. Appendix 1, page 29:

Paragraph 1.3 should read:

“.3 Zone 3 (or space B) of length “ ℓ_3 ”:

“p” based on “ ℓ_3 ”

“s” based on flooding of space B

c. Appendix 1, page 31:

Paragraph 2.1 should read:

“.1 Zone a of length $\ell_3 = \ell_1 + \ell_2$:

“p” based on “ ℓ_a ”

“s” based on flooding of space A_1
or of space A_2 , or of spaces A_1 and A_2 ,
whichever results in the least “s” value “

d. Table A-3, page 37:

The ‘p-factor’ for damage zones ‘W 2,3 and W 4,5’ should read:

“ $p = p_{2-5.r2-5} - p_{23.r23} - p_{45.r45}$ ”

e. Regulation 25-3, page 60:

The formula for “R” should read the same as item a. above.

f. Regulation 25-5, page 63:

In paragraph 2.2, the second formula for “r” should be applicable as follows:

“if $\frac{b}{B} > 0.2$ ”

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