

Amendments of the Rules

(External Development Review - External Opinion Inquiry)

Part 8 Fire Protection and Fire Extinction



2023.02.

Hull Rule Development Team

Main Amendments

(1) Background of Amendment

- 1) Modified the fire integrity of 2nd Deck passageway for container ship according to request for establishment/revision of Classification Technical Rules[HUC4100-222-2023]
- 2) Reflection of EMSA Inspection findings (2022.09.28.)

Present	Amendment	Note																		
<div>CHAPTER 7 CONTAINMENT OF FIRE</div> <div>Section 1 Thermal and Structural Boundaries</div> <div>101. Thermal and structural boundaries [See Rule]</div> <div><div>1. Spaces of categories for the application of the standards of fire integrity are also to be complied with Table 8.7.1 of the Guidance.</div><div>2. In application to Ch 7, 102. 4 (4), 103. 3 (4) and 104. 2 (4) of the Rules, the term "doors may be constructed of materials which are to the satisfaction of the Society." means those complying with the requirements for door required watertight and weathertight specified in Load Line Convention, and where the material of door is non-fire resistant materials is to be complied with the requirements for non-fire resistant materials specified in Ch 3, 202. and Ch 4, Sec 1 of the Rules.</div></div> <div>Table 8.7.1 Categories of spaces of fire integrity (2019)</div> <table><tr><td>Control stations</td><td rowspan="4"><omitted></td></tr><tr><td>Service spaces (low risk)</td></tr><tr><td>Other machinery spaces</td></tr><tr><td>Service spaces (high risk)</td></tr><tr><td>Others</td><td><div>1. Passages under decks of container ships with self-closing gas-tight doors separating the spaces from cargo spaces effectively are to be regarded as void spaces. <u>However, in case where they serve as escape route, they are to be regarded as corridors.</u></div><div>2. ~ 5. <omitted></div></td></tr><tr><td colspan="2">Notes: (1) ~ (10) <omitted></td></tr></table> <div><omitted below></div>	Control stations	<omitted>	Service spaces (low risk)	Other machinery spaces	Service spaces (high risk)	Others	<div>1. Passages under decks of container ships with self-closing gas-tight doors separating the spaces from cargo spaces effectively are to be regarded as void spaces. <u>However, in case where they serve as escape route, they are to be regarded as corridors.</u></div> <div>2. ~ 5. <omitted></div>	Notes: (1) ~ (10) <omitted>		<div>CHAPTER 7 CONTAINMENT OF FIRE</div> <div>Section 1 Thermal and Structural Boundaries</div> <div>1101. Thermal and structural boundaries [See Rule]</div> <div><div>1. Spaces of categories for the application of the standards of fire integrity are also to be complied with Table 8.7.1 of the Guidance.</div><div>2. In application to Ch 7, 102. 4 (4), 103. 3 (4) and 104. 2 (4) of the Rules, the term "doors may be constructed of materials which are to the satisfaction of the Society." means those complying with the requirements for door required watertight and weathertight specified in Load Line Convention, and where the material of door is non-fire resistant materials is to be complied with the requirements for non-fire resistant materials specified in Ch 3, 202. and Ch 4, Sec 1 of the Rules.</div></div> <div>Table 8.7.1 Categories of spaces of fire integrity (2019)</div> <table><tr><td>Control stations</td><td rowspan="4"><same as present></td></tr><tr><td>Service spaces (low risk)</td></tr><tr><td>Other machinery spaces</td></tr><tr><td>Service spaces (high risk)</td></tr><tr><td>Others</td><td><div>1. Passages under decks of container ships with self-closing gas-tight doors separating the spaces from cargo spaces effectively are to be regarded as void spaces. However, in case where they serve as escape route, they are to be regarded as corridors. <u>(If they serve as second escape route for machinery spaces of category A, they are to be regarded as other machinery spaces.)</u></div><div>2. ~ 5. <omitted></div></td></tr><tr><td colspan="2">Notes: (1) ~ (10) <same as present></td></tr></table> <div><same as present></div>	Control stations	<same as present>	Service spaces (low risk)	Other machinery spaces	Service spaces (high risk)	Others	<div>1. Passages under decks of container ships with self-closing gas-tight doors separating the spaces from cargo spaces effectively are to be regarded as void spaces. However, in case where they serve as escape route, they are to be regarded as corridors. <u>(If they serve as second escape route for machinery spaces of category A, they are to be regarded as other machinery spaces.)</u></div> <div>2. ~ 5. <omitted></div>	Notes: (1) ~ (10) <same as present>		<div>- Modified the fire integrity of 2nd Deck passageway for container ship according to request for establishment/revision of Classification Technical Rules[HUT4000-3406-2022]</div>
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<p>Section 2 Penetration in Fire-resisting Divisions and Prevention of Heat Transmission <omitted></p> <p>Section 3 Protection of Openings in Fire-resisting Divisions</p> <p>301. Openings in bulkheads and decks in passenger ships</p> <p>1. In applying 301. 1 (7) of the Rules, doors which open to exposed areas from stairways need not apply the criteria of A class integrity, and the requirements of (5) need not apply. (For doors which open to outside stairways and open decks which are used for life saving appliances, evacuation stations, outside muster stations and escape routes, the doors are to be constructed of steel or other equivalent materials.) However, windows installed in the doors are to be constructed of A-60 or A-0 + sprinkler head for windows. (2018) 【See Rule】</p> <p>2. Balancing openings or ducts between two enclosed spaces are prohibited except for openings as permitted by 301. 2 & 302. of the Rules. 【See Rule】</p> <p>3. In applying 301. 3 (3) (C) of the Rules, should be in accordance with the <u>IMO Res. A.800(19)</u>. 【See Rule】</p> <p><omitted below></p>	<p>Section 2 Penetration in Fire-resisting Divisions and Prevention of Heat Transmission <same as present></p> <p>Section 3 Protection of Openings in Fire-resisting Divisions</p> <p>301. Openings in bulkheads and decks in passenger ships</p> <p>1. In applying 301. 1 (7) of the Rules, doors which open to exposed areas from stairways need not apply the criteria of A class integrity, and the requirements of (5) need not apply. (For doors which open to outside stairways and open decks which are used for life saving appliances, evacuation stations, outside muster stations and escape routes, the doors are to be constructed of steel or other equivalent materials.) However, windows installed in the doors are to be constructed of A-60 or A-0 + sprinkler head for windows. (2018) 【See Rule】</p> <p>2. Balancing openings or ducts between two enclosed spaces are prohibited except for openings as permitted by 301. 2 & 302. of the Rules. 【See Rule】</p> <p>3. In applying 301. 3 (3) (C) of the Rules, should be in accordance with the <u>Res.MSC.265(84) and Res.MSC.284(86)</u>. 【See Rule】</p> <p><same as present></p>	<p>- Reflection of EMSA Inspection findings (2022.09.28.)</p>