

## Main changes in NR671

The main changes in NR671 Ammonia Fuelled Ships – Tentative Rules, September 2024 edition with respect to the previous edition (July 2022) are as follows.

### Rules history

<p><b>September 2024 edition</b> entry into force on September 1, 2024</p> <p>Contents</p>	<p><b>Previous edition: July 2022</b> entry into force on July 1, 2022</p> <p>Contents</p>
<p><b>Ammonia-fuelled ships – Tentative Rules</b> [NR 671 DT R02 September 2024]</p>	<p><b>Ammonia-fuelled ships – Tentative Rules</b> [NR 671 DT R01 July 2022]</p>

### Section 2 Ammonia-fuelled Ships

Topic	Description	Reference
Documentation	General update of the relevant documents for review	Table 1
Ammonia vapour processing room	Addition of a definition	[1.4.5]
Permissible exposure limit	Update for the acceptable threshold (25 ppm)	[1.4.10]
Venting limits	Clarification on acceptable limit for ammonia in normal operation and failure conditions	[2.1.2] [2.1.4]
Detection	Update on the applicable thresholds concentration for alarm (25 ppm) and safety systems activation (50 ppm) Update on detection arrangement	[3.4.4] [3.5.3] [13.2]
Discharge of effluents	Update on discharge philosophy and role of Flag and Port Administration	[3.7.5]
Draining system	Update on liquid ammonia draining system arrangement	[3.8]
Control of ammonia release	Clarification on possible vapour control method in normal operation, failure conditions and emergency situations	[3.9] Table 2
Metallic materials	Addition of a requirement concerning alternative metallic materials as per IMO Circular MSC.1/Circ.1622/Rev.1	[5.2.8]
Bunkering station	Update on ammonia bunkering station arrangement	[6.2]
Piping secondary enclosure	Clarification on safety actions for ventilated secondary enclosure of ammonia piping	[7.2.1]
Engine crankcase	Requirement on processing of ammonia vapours from engine crankcase	[8.2.3]
Ammonia vapour processing system	Update on ammonia vapour processing system capacity and arrangement	[10.1.1] [10.2.1] [10.2.2]
Water mist	Update on water mist system for ammonia vapours absorption in a space	[10.3]
Ventilation	Update on ventilation arrangement and safety action in case of ammonia release	[11.2]

### Section 3 Ammoniafuel Prepared Ships

Topic	Description	Reference
Ventilation	Update on ventilation arrangement to be installed at new construction stage for ammoniafuel-prepared ships	[4.2]