

M46 Ambient conditions - Inclinations

(1982)
(Rev.1
June 2002)
(Rev.2
Dec 2018)

M46.1 The ambient conditions specified under M46.2 are to be applied to the layout, selection and arrangement of all shipboard machinery, equipment and appliances to ensure proper operation.

M46.2 Inclinations

Installations, components	Angle of inclination [°] ²			
	Athwartships		Fore-and-aft	
	static	dynamic	static	dynamic
Main and auxiliary machinery	15	22.5	5 ⁴	7.5
Safety equipment, e.g. emergency power installations, emergency fire pump and their devices Switch gear, electrical and electronic appliances ¹ and remote control systems	22.5 ³	22.5 ³	10	10
<p>Notes:</p> <ol style="list-style-type: none"> 1. Up to an angle of inclination of 45° No undesired switching operations or operational changes <u>are to may</u> occur. 2. Athwartships and fore-end-aft inclinations may occur simultaneously. 3. In ships for the carriage of liquefied gases and of chemicals the emergency power supply must also remain operable with the ship flooded to a final athwartships inclination up to maximum of 30°. 4. Where the length of the ship exceeds 100m, the fore-and-aft static angle of inclination may be taken as 500/L degrees where L = length of the ship, in metres, as defined in UR S2. 				

The Society may consider deviations from these angles of inclination taking into consideration the type, size and service conditions of the ship.

Note:

1. The requirements of UR M46 Rev.2 are to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 January 2020.
2. The “contracted for construction” date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of “contract for construction”, refer to IACS Procedural Requirement (PR) No. 29.

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