

## M46 Ambient conditions - Inclinations

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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 [°] <sup>2</sup> |                   |                |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|----------------|---------|
|                                                                                                                                                                                                       | Athwartships                          |                   | Fore-and-aft   |         |
|                                                                                                                                                                                                       | static                                | dynamic           | static         | dynamic |
| Main and auxiliary machinery                                                                                                                                                                          | 15                                    | 22,5              | 5 <sup>4</sup> | 7,5     |
| Safety equipment,<br>e.g.<br>emergency power installations,<br>emergency fire pump and their<br>devices                                                                                               | 22,5 <sup>3</sup>                     | 22,5 <sup>3</sup> | 10             | 10      |
| Switch gear, electrical and electronic<br>appliances <sup>1</sup><br>and remote control systems                                                                                                       |                                       |                   |                |         |
| NOTES:                                                                                                                                                                                                |                                       |                   |                |         |
| 1. Up to an angle of inclination of 45° no undesired switching operations or operational changes may 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.

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