M43 Bridge control of propulsion machinery

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M43. 1 The remote control for propulsion machinery is to be provided with means of preventing overload and prolonged running in critical speed ranges of the propelling machinery.

M43. 2 The bridge control system is to be independent from the other transmission system; however, one control lever for both system may be accepted.

M43. 3 Operations following any setting of the bridge control device including reversing from the maximum ahead service speed in case of emergency are to take place in an automatic sequence and with time intervals acceptable to the machinery.

M43. 4 Remote starting of the propulsion machinery is to be automatically inhibited if conditions exist which may hazard the machinery, e.g. shaft turning gear engaged, drop of lubricating oil pressure.

M43.5 For steam turbines a slow-turning device is to be provided which operates automatically if the turbine is stopped longer than admissible. Discontinuation of this automatic turning from the bridge must be possible.

Note: For attended machinery spaces, the slow turning device may be arranged to be operated manually.

M43.6 For SOLAS Convention ships, Regulation II-1/49.5 applies. For ships not covered by the SOLAS Convention, the design of the bridge control system is to be such that in case of its failure an alarm is given. In this case the speed and direction of the propeller thrust is to be maintained until local control is in operation, unless this is considered impracticable. In particular, lack of power (electric, pneumatic, hydraulic) will not lead to major and sudden change in propulsion power or direction of propeller rotation.

Note:

1. Rev.1 of this UR is to be uniformly implemented by IACS Societies on vessels contracted for construction on or after 1 January 2025.

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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