

ClassNK PSC Bulletin

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Attachment No / ~~Yes~~ page(s)

Title:

Operation test for automatic starting arrangement of emergency generator (Blackout simulation test)

Typical deficiency (outline of comment) by PSC:

Emergency generator unable to automatically connect to emergency switchboard in the event of blackout (simulation test).

Port State

Country: Australia, Indonesia

Port: All ports

Action taken by PSC:

Detention / Rectify before Departure / Other

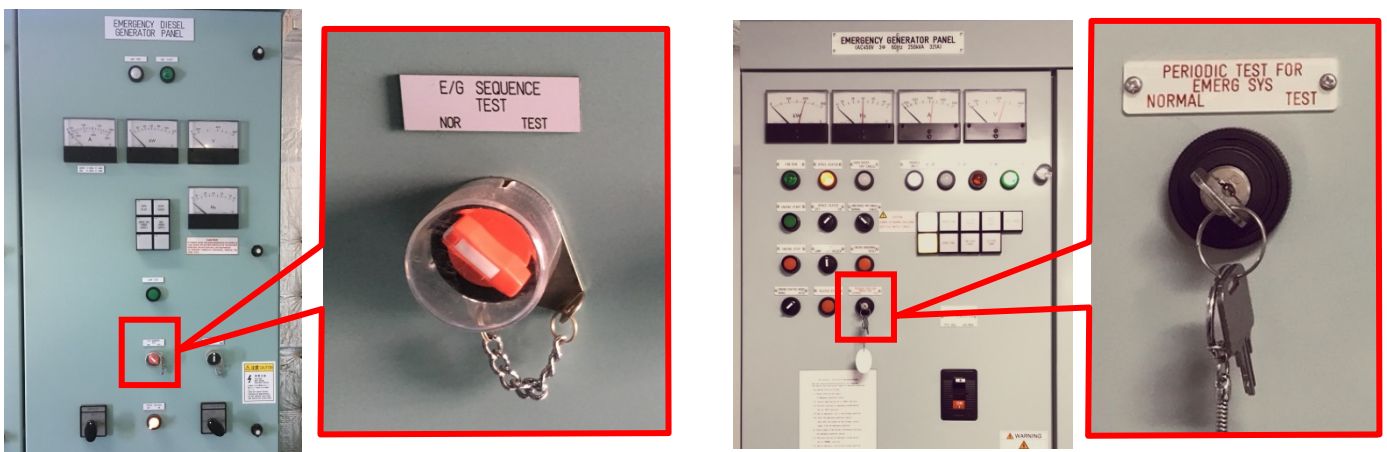
Description:

It has been reported that port state control in Australia and Indonesia often point out that the onboard emergency generator fails to automatically connect to the emergency switchboard (hereinafter, ESB) when a blackout simulation test is carried out at the request of a PSC officer.

SOLAS II-1/Reg.43.7 requires that provisions for the testing of the emergency source of electrical power, including its automatic starting arrangement, are to be made. Such testing can be conducted using a test switch provided in the ESB that enables automatic starting and connecting of the emergency generator to the ESB during simulated blackout conditions, in general.

Whenever a failure of the emergency source of electrical power to connect to the ESB is detected, it should be pointed out as a deficiency. Further, there is a possibility that the deficiency might be judged as a lack of proper SMS implementation.

Given the above situation, it is recommended that tests to ensure automatic starting as well as connecting of the emergency generator to the ESB shall be carried out at appropriate intervals using the test switch in the ESB for all ships in your fleet.



Examples of ESB test switch