

DON'T CURE PREVENT

ISSUE 07 FEBRUARY 2021



**WATERTIGHT DOOR
MONITORING SENSOR**



WATERTIGHT DOOR MONITORING SENSOR



CASE

During an onboard H.E.L.M.E.T. assessment, the P@S Assessor tested the switch that notifies the Bridge for the proper closure of the forward Bosun's store weathertight door and noticed that the indication on the panel was remaining at 'closed' position. The P@S assessor brought to everyone's attention the significance of the properly sealed weathertight door in regards to the ship's safety. A requisition was raised immediately after the observation for spare sensors.

While the vessel was sailing in open sea, it faced bad weather conditions and water gathered in the forward Bosun store, causing damage to the equipment enclosed.



REGULATORY FRAMEWORK

ASAS PER SOLAS CHAPTER II-1, REGULATION 13-1,

Access doors and access hatch covers are normally closed at sea, intended to ensure the watertight integrity of internal openings, shall be provided with means of indication locally on the Bridge showing whether these doors or hatch covers are open or closed. A notice is to be affixed to each such door or such cover to the effect that it is not to be left open.



WHAT WENT WRONG?

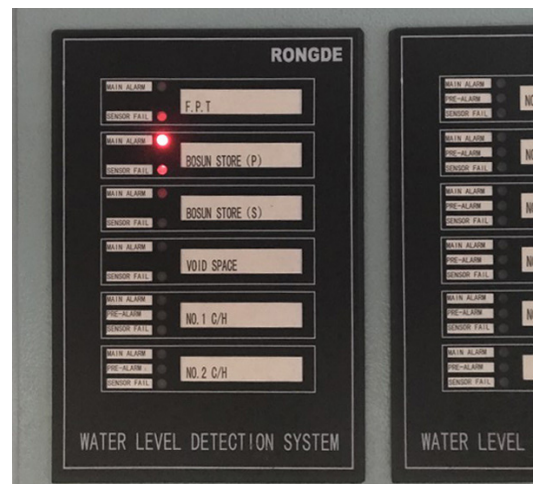
- ❉ The maintenance of the weathertight doors was not following the PMS and Right Seamanship procedures and requirements.
- ❉ Negligence of closed door switch tests and inspections.
- ❉ Overconfidence on the Bridge's remote panel indication.
- ❉ Component's failure.



OUR SUGGESTION

Prevention at Sea suggests the following actions with the aim to avoid occurrence or prevent reoccurrence.

- ❉ Assure that properly trained personnel performs the relevant inspections and maintenance.
- ❉ Carry out inspections at regular intervals.
- ❉ Follow the, predetermined by the Company or maker, inspection and testing procedures.
- ❉ Do not duly relay on equipment.





BEST PRACTICE

- ✓ Perform regular testing of the sensors' and panel's proper operation.
- ✓ In case that the sensor or the panel is not operational, proceed with the fault's rectification. If this is not feasible assure manually that every water & weather tight doors are sealed.
- ✓ As a crucial part of the crew's and vessel's safety an essential amount of spare parts ready to be used should be kept on board the vessel.

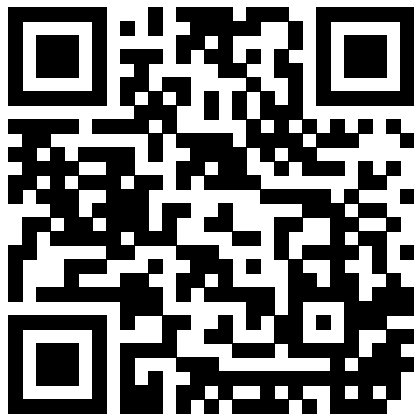
REMEMBER: Continuous and regular test and maintenance of the equipment is essential. Do not over rely on any equipment's indication.



TEST YOUR KNOWLEDGE

CLICK ON THE LINKS *OR* SCAN THE QR CODE

Q&A



SPOT THE DEFICIENCY



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**FOR MORE INFORMATION,
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