

# RECOMMENDATIONS

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The Dutch Safety Board issues the following recommendations:

With regard to maintenance of hoisting and lifting equipment on board ships, the alteration of work procedures, safe working at height and the provision of physical supervision during high-risk activities on board:

*To ForestWave Navigation B.V. (Ship Manager):*

1. Before implementing altered work procedures, ensure that a risk inventory and evaluation for the altered process is carried out by duly qualified experts. Also involve these experts in preparing safety management measures necessary for mitigating the risks that emerge from the inventory.
2. On board vessels managed by ForestWave Navigation B.V, ensure that maintenance on hoisting and lifting equipment is performed according to the manufacturer's instructions. Ensure that maintenance schedules and instructions from the manufacturer or supplier are fully integrated in the operational maintenance routines on the vessels.
3. On each vessel managed by ForestWave Navigation B.V, identify which types of fall protection equipment are necessary. Ensure that this equipment is available on board and issue the crew with information about how and when which type of fall protection equipment should be used. In addition, organize work on board in such a way that the work can only be started once all risk management measures have been taken.

With regard to the necessary expertise during annual inspections of hoisting and lifting equipment on board ships:

*To the Royal Association of Netherlands Shipowners (KVNR):*

4. Together with the sea shipping sector, develop a set of regulations, protocols and rejection criteria relating to the inspection of hoisting and lifting equipment on seagoing vessels. Also develop profiles according to which the expertise of the persons tasked with performing inspections can be assessed, measured and reinforced.

*To the Dutch Minister of Social Affairs and Employment:*

5. Ensure the development by the sea shipping sector of the system of expertise profiles as intended in recommendation 4.

Noting that a less strict regime of examination, inspection and testing is embedded in legislation and regulations for specific types of hoisting and lifting equipment on board ships:

*To the Dutch Minister of Social Affairs and Employment:*

6. Amend legislation and regulations regarding the examination, inspection and testing of hoisting and lifting equipment on board ships in such a way that equipment of this kind is subject to the regime of examination, inspection and testing that currently applies exclusively to hoisting and lifting equipment used for loading and unloading.