

WP 6 – Reflections from the Class



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Lloyd's Register
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WP 6 – Reflections from the Class

Installation and Approval of Wind Propulsion Systems

Design Considerations

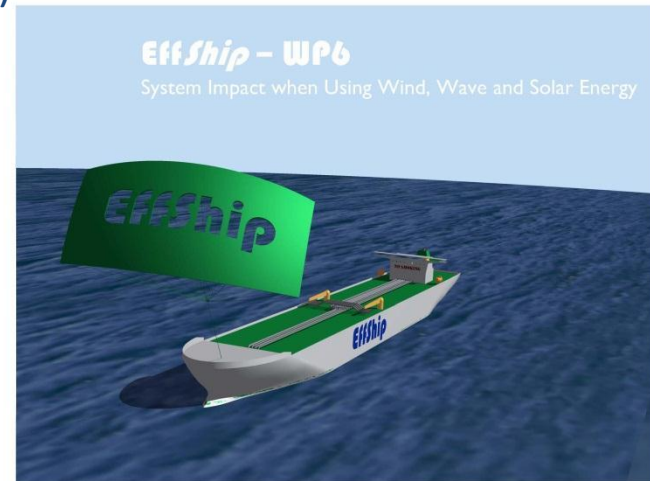
- Control systems for setting and trimming of the sail propulsion system.

A control system is to be provided to enable the crew to operate the sail system from the bridge. The control system is to provide adequate speed of response to neutralize the sail system in the event of wind conditions which may damage the sail system and endanger the ship.

- Bridge Visibility. (Solas Regulation 22, Chapter V)

Reg.22.3 – On ships of unconventional design which, in the opinion of the Administration, cannot comply with this Regulation, arrangements shall be provided to achieve a level of visibility that is as near as practical to that prescribed in this regulation.

- Keep it simple and keep it functional
(Not a Class requirement...)



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Structural Arrangements

Masts, foundations and other supporting structures are to have adequate strength to resist the highest loads imposed by the sail system in the normal working conditions and in any emergency conditions.

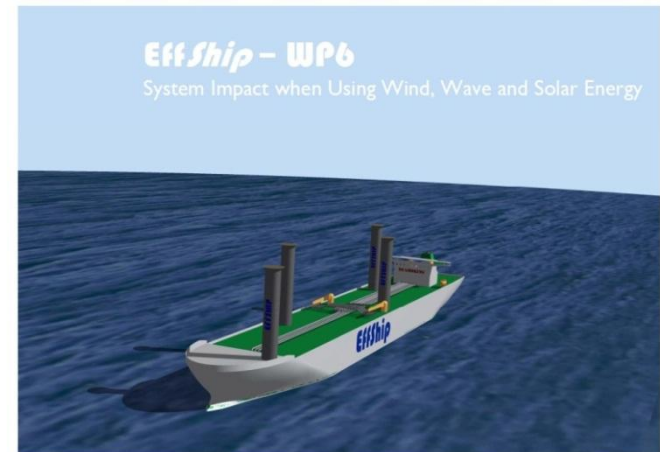
These items are to be thoroughly integrated into the hull structure.

Existing hull structure is to be reinforced.

Survey requirements for sail systems

The sail system and its associated structure and equipment is to be examined and tested during construction and under working conditions on completion of the installation.

Periodical Surveys of the sail system can be arranged to coincide with the hull and machinery surveys.



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Information to be submitted

- The intended service area.
- Plans and particulars of the sail / wind propulsion system.
- Supporting calculations.
- Full particulars of the operating system.



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Risk Assessment of novel design

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Risk

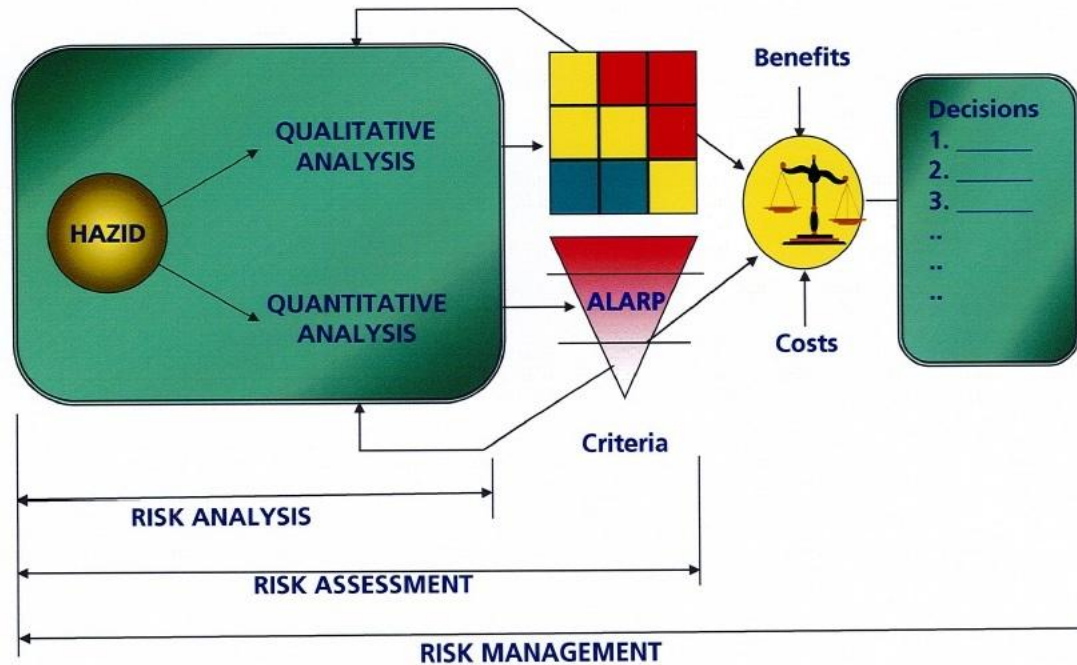


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Risk and Decision Making



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Thank You -
And thank you Effship

