

REMOTE SURVEYS AND ENGINE POWER LIMITATION (EPL) / SHAFT POWER LIMITATION (SHaPoLI)

Presented by:

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Choix Hall, Piraeus | 16 May 2024

REMOTE SURVEYS – BACKGROUND

- Extensive experience has been gained in conjunction with various Classification Societies (Class) over the past several years.
- Remote surveys began pre-pandemic (mid-2018) to formally document procedures for conducting surveys when attendance by a surveyor was not possible. Previously referred to by Class as “administrative reporting.”
- During the pandemic, it became increasingly necessary to conduct remote surveys. Class, in conjunction with the flag, accelerated the development of processes, procedures, and training.

REMOTE SURVEYS – APPROPRIATE USE

- Survey and documenting minor damages or equipment failure.
- Rectification and clearing of minor items where physical attendance by a surveyor would not contribute to the effectiveness of the survey being conducted.
- Completion of limited items for periodic surveys such as documentation and shipboard record review.
- Remote change of flag survey may be accepted:
 - Prior authorization required / Class must submit full details directly.
 - On board change of flag survey must physically take place at the first port of arrival or as soon after as practical.

REMOTE SURVEYS – NOT APPROPRIATE

- Remote surveys are not considered an effective alternative to physical examination:
 - Periodic surveys
 - Extensive structural examinations requiring close-up survey
 - Major equipment failures (where verification of alternative arrangements is required)
 - Structural repairs
 - Rectification / repair of major equipment failure involving detailed testing
- Remote surveys are not considered an appropriate alternative, for periodic surveys (annual, intermediate, special / renewal)

REMOTE SURVEYS – METHODS

- Live streaming video and audio
 - Requires high-quality and stable internet connection
- Review of onboard documentation, logs, maintenance and overhaul records, condition monitoring data, and photos
 - Preparation for periodic surveys (annual, intermediate, special / renewal)
- Review of statements from Master and/or Chief Engineer
 - Minor damages, equipment failure

EPL / SHaPoLI BACKGROUND


- To improve energy efficiency and achieve compliance with the Energy Efficiency. Existing Ship Index (EEXI) requirements, many ships have been implementing EPL and SHaPoLi systems.
- In some cases, for precautionary purposes and/or pre-emptively when hazards are anticipated, a vessel may override the EPL / SHaPoLi system without using power.
 - Event should be recorded in the vessel logbooks.
 - Engine Room logbook should record power used during the period when the override was activated.
 - EPL / SHaPoLi should be reset as soon as possible and details recorded in vessel logbooks.
- As per Marine Environment Protection Committee (MEPC).335(76) paragraph 3.4 states that:
 - *In case of having used a power reserve, the ship should without delay notify its Administration or Recognized Organization (RO) responsible for issuing the relevant certificate and the competent authority or the relevant port of destination with the information recorded in accordance with paragraph 3.2. On an annual basis, the Administration should report uses of a power reserve to the International Maritime Organization (IMO) with the information recorded in accordance with paragraph 3.2.*

MARINE NOTICE (MN) 2-013-12

- The International Convention for the Prevention of Pollution from Ships (MARPOL) Annex VI, Chapter 4 – Regulations on the Carbon Intensity of International Shipping (MN 2-013-12), has been updated to include instructions to operators when power reserve is used:
 - 3.2.3.a (3) – *a technical means is provided to be capable of using the power reserve by unlimiting the shaft / engine power limitation for securing the safety of a ship or saving life at sea. When power reserve is used, the ship must maintain a record and notify without delay:*
 - (i) *the Administrator at technical@register-iri.com by submitting a completed notification Form TEC-30E or the RO; and*
 - (ii) *the competent authority of the relevant port of destination.*
- In case of short-term unintentional exceedance of the power limit system, the system may inhibit the initiation of the exceedance alarm for up to a maximum of five minutes.

FORM TEC-30E – NOTIFICATION OF USE OF POWER RESERVE BY UNLIMITING SHaPoLi / EPL

- In order to properly address this, we have developed an EPL-SHaPoLi Notification Form (TEC-30E) in order to ensure all information, as found in MEPC.335(76) paragraph 3.2, is submitted to the Administration and reports are accurately documented
 - Updated to conform with new amendments found in MEPC.375(90)
- This will allow us to properly collect the necessary data to report to IMO annually

 REPUBLIC OF THE MARSHALL ISLANDS MARITIME ADMINISTRATOR EMAIL: technical@register-iri.com WEBSITE: www.register-iri.com			
NOTIFICATION of Use of Power Reserve by Unlimiting SHaPoLi/EPL (MEPC.335(76) & MEPC.375(90))			
OPERATOR TO COMPLETE BELOW (SECTIONS 1-14):			
1. Name and Title of Person Submitting Application: Click to enter text.		2. Contact Number: Click to enter text.	3. Email address: Click to enter text.
4. Name of Ship: Click to enter text.	5. IMO Number Click to enter text.	6. Ship Type: Click to enter text.	7. Ship Size (DWT or GT): Click to enter text.
8. Position (GPS Coordinates or Coastal/River Location), Date (MM/DD/YYYY), and Time (HH:MM) when Power Reserve Commenced commenced: Click to enter text.		9. Position (GPS Coordinates or Coastal/River Location), Date (MM/DD/YYYY), and Time (HH:MM) when power limitation was reactivated or replaced: Click to enter text.	
10. Ship's Limited Shaft/Engine Power and Max Unlimited Shaft/Engine Power: Click to enter text.		11. Beaufort Number and Wave Height (or Ice Condition, if applicable): Click to enter text.	
12. Reason for using the power reserve (select one option and provide additional details in box 13): Choose an item.			
13. Additional details for power reserve use (attach any supporting evidence, weather reports, ice conditions, etc.): Click to enter text.			
14. Duration of Power Reserve use: Please insert time in hh:mm format.			
Note: Please submit records from the SHaPoLi/EPL System for the period of time when the power reserve was used.			

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An aerial photograph of a busy shipping lane, likely the Strait of Hormuz, showing numerous oil tankers and other large vessels moving through the water. The ships are scattered across the frame, some leaving white wakes. The water is a deep blue, and the sky is clear. Overlaid on the image are several graphic elements: a blue arrow pointing right with the text 'THANK YOU' inside it, a white arrow pointing right, and an orange arrow pointing right. The website address 'www.register-iri.com' is centered below the arrows. There are also blue and orange geometric shapes in the corners of the image.

THANK YOU

www.register-iri.com