



**TECHNICAL CIRCULAR No. 882 of 6<sup>th</sup> July 2025**

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| To        | All Surveyors/Auditors. All flags                                 |
| Title     | <b>Reduce the Fire Risk of Ships Carrying New Energy Vehicles</b> |
| Reference | Evaluation of Adequacy of Fire Protection                         |

**Evaluation of Adequacy of Fire Protection, Detection and Extinction Arrangements in Vehicle, Special Category and Ro/Ro Spaces in order to Reduce the Fire Risk of Ships Carrying New Energy Vehicles**

Over the last years the number of fire incidents involving ships carrying vehicles, including conventional and new energy vehicles, has increased. In April 2022, MSC 105 agreed on the "Evaluation of adequacy of fire protection, detection and extinction arrangements in vehicle, special category and ro/ro spaces in order to reduce the fire risk of ships carrying new energy vehicles" and instructed the SSE Sub-Committee to evaluate the applicability of the new measures to be developed to existing ships and to address the charging of electric vehicles on board ships. The Sub-Committee initiated development of a draft action plan, based on the road map from the previous SSE session, indicating detailed actions to be taken within a defined time frame to ensure a more structured and systematic approach.

The draft action plan for enhancing fire safety on ships carrying new energy vehicles is to improve fire detection, prevention and extinguishing systems, and contains the following action steps:

1. Review of Scientific Reports, Studies, New Technologies and Casualty Reports
2. Identification of Hazards Related to New Energy Vehicles Compared to ICEVs
3. Consideration of a Goal-Based Approach
4. Identification of Gaps in Existing Regulations and Consideration of the Way Forward
5. Identification of Placeholders for Possible Future Amendments

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Next steps: The Sub-Committee instructed the Correspondence Group on Fire Protection to progress the consideration of any submitting to the IMO in consideration of the draft action plan intersectionality.

REFERENCES:

-Fire safety on ships carrying new energy vehicles

ATTACHMENTS: No

Kindest Regards,  
CONARINA Technical Office

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