



LASH FIRE

Legislative Assessment for Safety Hazards of Fire
and Innovations in Ro-Ro Ship Environment

Weather Deck Fire Safety – Ro-Pax Ships
IMO Developments, John Garner, Interferry
19th January 2023

Major modifications to SOLAS chapter II-2 (New ships) [From 1 January 2026]

- Weather deck included in functional requirements
- Individually identifiable fixed fire detection and fire alarm system for vehicle, special category and ro-ro spaces with smoke and heat detection, regardless of fire patrol system
- Alarm system with section numbering for quick decision making
- An efficient fire patrol system shall be maintained in special category spaces at all times
- An effective video monitoring system in vehicle, special category and ro-ro spaces for continuous monitoring, stored for at least 7 days

- Major modifications to SOLAS chapter II-2 (New ships)
- [From 1 January 2026]
- Additional structural fire protection for special category space and ro-ro spaces if sub-divided with internal decks
- Arrangements of openings in ro-ro spaces and special category spaces; openings permitted if protected by a closing device. Openings not permitted under survival craft, the emergency generator and air intakes for the engine room(s)
- Safety distance for weather deck intended for the carriage of vehicles
- Fire monitors for weather deck
- Suitable signage allowing easy identification of the sections of the fixed fire-extinguishing system

- Major modifications to SOLAS chapter II-2 (Existing ships)
- [From 1 January 2028]
- Fixed fire detection and fire alarm systems with smoke and heat detection in special category spaces, open and closed ro-ro and vehicle spaces
- A fixed water-based fire-extinguishing system based on monitor(s) for weather decks
- Effective video monitoring system with replay function for at least 24

- Major modifications to the FSS Code
- New ships – [From 1st January 2026] and Existing ships – [From 1 January 2028]
- New specifications for fire monitors on weather decks
- New combined smoke and heat detectors' specifications
- New visual and audible fire signals
- Engineering specifications for linear heat detection system



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CONFERENCE ON FIRE SAFETY AT SEA



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