

# SC42 Precaution against ignition of explosive petrol and air mixture in closed vehicle spaces, closed ro-ro spaces and special category spaces

(1985)  
(Rev.1  
Nov 2005)  
(Rev.2  
Dec 2007)  
(Rev.3  
Feb 2021)

Interpretation of Regulation 20.3.2.2 of SOLAS Chapter II-2 as amended by IMO resolutions up to MSC.421(98)

(Chapter II-2, Reg. 20.3.2.2) SOLAS regulation II-2/20.3.2.2 reads as follows:

**Text:**

" (...) electrical equipment of a type so enclosed and protected as to prevent the escape of sparks (...)"

**Interpretation:**

This is realized by requiring an enclosure of at least IP55, or apparatus suitable for use in Zone 2 areas as defined in IEC Publication 60079-10-1:2015. Refer to IEC Publication 60079 Part 14 IEC 60079-14:2013 for types of protection suitable for use in Zone 2 areas.

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**Note:**

1. Rev.1 of this UI is to be uniformly implemented by IACS Societies from 1 July 2006.
2. Rev.2 of this UI is to be uniformly implemented by IACS Societies from 1 July 2008.
3. Rev.3 of this UI is to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 July 2022.
4. The 'contracted for construction' date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of 'contract for construction', refer to Procedural Requirement (PR) No. 29.

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