









IEC/ISO/IEEE 80005-1



## INTERNATIONAL STANDARD

Utility connections in port –
Part 1: High Voltage Shore Connection (HVSC) Systems – General requir



## DIRECTIVES

## DIRECTIVE 2014/94/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 22 October 2014

on the deployment of alternative fuels infrastructure

(Text with EEA relevance)

DIRECTIVE 2014/94/EU, requires ports in Europe, to installed shore power as a priority no later than December 2025.

.... Such shore-side electricity supply shall be installed as a priority in ports of the TEN-T Core Network, and in other ports, by 31 December 2025, unless there is no demand and the costs are disproportionate to the benefits, including environmental benefits.

.....Member States shall ensure that shore-side electricity supply installations for maritime transport, deployed or renewed as from 18 November 2017, comply with the IEC/ISO/IEEE 80005-1 standard...





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INTERNATIONAL STANDARD

Utility connections in port – Part 1: High Voltage Shore Connection (HVSC) Systems – General require

- All OPS systems must follow the standard
- Plugs, safety, communication and power capacity
- Benefits proven in Norway
- Facilities for cruise must be 16MVA to 20MVA
- Include future charging of cruise vessels



























