



IEEE Std 844.1™-2017/CSA C22.2 No. 293.1-17

# IEEE/CSA Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures—General, Testing, Marking, and Documentation Requirements

IEEE Industry Applications Society

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# IEEE/CSA Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures—General, Testing, Marking, and Documentation Requirements

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**Abstract:** General requirements, testing, markings, and documentation for skin effect trace heating systems for pipelines, vessels, equipment, and structures intended for use in general industrial applications are provided in this standard. This standard provides requirements when utilizing skin effect trace heating systems in ordinary as well as hazardous areas that have potentially explosive atmospheres.

**Keywords:** condensation prevention, CSA C22.2 No. 293.1, freeze protection and temperature maintenance, heating systems, IEEE 844.1, long line, process heating, re-melting solidified fluids, skin effect trace heating, structure heating, thermal insulation

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