

# P2740

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**Type of Project:** Modify Existing Approved PAR

**PAR Request Date:** 05-Mar-2019

**PAR Approval Date:** 21-May-2019

**PAR Expiration Date:** 31-Dec-2020

**Status:** Modification to a Previously Approved PAR

**Root PAR:** P2740 **Approved on:** 30-Jun-2016

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**1.1 Project Number:** P2740

**1.2 Type of Document:** Guide

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Guide for the Selection and Installation of Electrical Cables and Cable Systems in Hazardous (Classified) Locations on Oil & Gas Land Drilling Rigs

**Changes in title:** Guide for the Selection and Installation of Electrical Cables and **Cable** Systems in Hazardous (Classified) Locations on Oil & Gas Land Drilling Rigs

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**3.1 Working Group:** Cable Systems for Use in Hazardous (Classified) Locations on Land Drilling Rigs WG (PE/IC/D22W/P2740\_WG)

**Contact Information for Working Group Chair**

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**3.2 Sponsoring Society and Committee:** IEEE Power and Energy Society/Insulated Conductors (PE/IC)

**Contact Information for Sponsor Chair**

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**3.3 Joint Sponsor:** IEEE Industry Applications Society/Petroleum & Chemical Industry (IAS/PCI)

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 11/2019

**4.3 Projected Completion Date for Submittal to RevCom**

**Note:** Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2020

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 20

**5.2 Scope:** This guide covers the appropriate selection, performance requirements and procedures for electrical cables and cable systems installed in Hazardous (Classified) Locations on Oil & Gas Land Drilling Rigs

**Changes in scope:** This guide covers the appropriate selection, performance requirements and procedures for electrical **cables and** cable systems installed in Hazardous (Classified) Locations on Oil & Gas Land Drilling Rigs

**5.3 Is the completion of this standard dependent upon the completion of another standard?:** No

**5.4 Purpose:** This guide addresses gaps in cable system selection, performance and installation of cables and cable systems for Hazardous (Classified) locations on Oil & Gas Land Drilling Rigs not adequately addressed in present standards, recommended practices, and guides. The key drivers are flexibility, allowance for innovation, and expanded use of cables and systems utilized in other industries

**5.5 Need for the Project:** There are no governing codes or standards that currently address cables and cable systems for use on oil & gas land drilling rigs. There are a number of applications where the flexibility or other limitations of the available options is insufficient. For example, users are relying on API 14F and 14FZ for installation methods which are not appropriate since they specifically address offshore facilities. The reason for the proposed guide is to broaden the available options of cable designs and material technology to be employed in these applications

**5.6 Stakeholders for the Standard:** This document will provide owners, designers, specifiers, builders and installers with the latest technologies and methods with respect to the selection, performance, application and installation of electrical cable systems for use on land drilling rigs.

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### Intellectual Property

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

### 7.2 Joint Development

**Is it the intent to develop this document jointly with another organization?:** No

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**8.1 Additional Explanatory Notes:** 2.1: The title is being changed to be consistent with the verbiage in the rest of the document.

5.5: API RP 14F - Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class1, Division 1 and Division 2 Locations

API RP 14FZ -Recommended Practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1 and Zone 2 Locations