

P308

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Type of Project: Revision to IEEE Standard 308-2012

PAR Request Date: 01-Feb-2018

PAR Approval Date: 14-May-2018

PAR Expiration Date: 31-Dec-2022

Status: PAR for a Revision to an existing IEEE Standard

Project Record: P308

Root Project: 308-2012

1.1 Project Number: P308

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations

Changes in title: ~~IEEE~~ Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations

3.1 Working Group: Class 1E Power Systems Working Group (PE/NPE/WG_4.1)

Contact Information for Working Group Chair

Name: John Disosway

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Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Nuclear Power Engineering (PE/NPE)

Contact Information for Sponsor Chair

Name: Daryl Harmon

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Name: Greg Hostetter

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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: 03/2020

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 12

5.2 Scope: This standard applies to the Class 1E portions of the following systems and equipment in single-unit and multiunit nuclear power generating stations:

-- AC power systems

-- DC power systems

-- Instrumentation and control (I&C) power systems

This standard does not apply to the preferred power supply; the unit generators and their buses; generator breaker; step-up, auxiliary, and start-up transformers; connections to the station switchyard; switchyard; transmission lines; and the transmission network (see Figure 2 and Figure 3).

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

5.4 Purpose: The purpose of this standard is to provide the following:

-- The principal design criteria and the design features of Class 1E power systems that enable the systems to meet their functional requirements under the conditions produced by the applicable design basis events

-- The requirement for tests and surveillance of Class 1E power systems

-- The criteria for sharing Class 1E power systems in multiunit stations

-- The requirement for documentation of Class 1E power systems

5.5 Need for the Project: The WG intends to proceed to ballot the existing IEEE Std 308-2012 "as-is". The intent of the project is to ballot the existing standard in order to gain additional input from the industry on the state of the industry in this area.

5.6 Stakeholders for the Standard: Nuclear Power Generation

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

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

8.1 Additional Explanatory Notes: This document is a mature document. The existing standard will be balloted in order to gain additional input from the industry on the state of the industry in this area.