
myProject™ - P628 PAR Detail

Submitter Email: dale.goodney@constellation.com

Type of Project: Revision to IEEE Standard

PAR Request Date: 25-Jan-2008

PAR Approval Date: 27-Mar-2008

PAR Expiration Date: 31-Dec-2012

PAR Signature Page on File: No

Status: Revision to an Existing IEEE Standard, Std 628-2001

Project: 628

Root Project: 628-2001

1.1 Project Number: P628

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

1.4 Is this project in ballot now? No

2.1 Title: Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

Old Title: IEEE Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

3.1 Working Group: IEEE 628 Working Group (PE/NPE/WG_4.9)

Contact Information for Working Group Chair

Dale Goodney

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Contact Information for Working Group Vice-Chair

None

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

Contact Information for Sponsor Chair

J Scott Malcolm

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4.1 Type of Ballot: Individual

4.2 Expected Date of Submission for Initial Sponsor Ballot: 09/2009

4.3 Projected Completion Date for Submittal to RevCom: 08/2010

5.1 Approximate number of people expected to work on this project: 10

5.2 Scope: This standard contains the requirements for the

Old Scope: This standard contains the requirements for the

design, installation and qualification of raceway systems for Class 1E circuits external to electric equipment and components for nuclear power generating stations. Because aging and radiation have no known detrimental effects upon metallic raceway systems, and because non-metallic raceway systems are limited to underground or embedded applications, these two environmental conditions are not considered in this standard. The embedments or structural members to which a support is attached are beyond the scope of this standard.

design, installation and qualification of raceway systems for Class 1E circuits external to electric equipment and components for nuclear power generating stations. Since aging and radiation have no known detrimental effects upon metallic raceway systems, and since non-metallic raceway systems are limited to underground or embedded applications, these two environmental conditions are not considered in this document. The embedments or structural members to which a support is attached are beyond the scope of this document.

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 criteria for the minimum requirements in the selection, design, installation, and qualification of raceway systems for Class 1E circuits for nuclear power generating stations. It also prescribes methods for the structural qualification of raceway systems for Class 1E circuits. (unchanged from IEEE 628-2001)

Old Purpose It is the intention of the working group to address at least the following areas in this proposed revision of IEEE 628: expand upon the requirements for use of non-metallic raceways in embedded applications, allow use of experience data as a means of qualifying the raceway system, evaluate impact of later revisions of standards referenced in IEEE 628: incorporate when/if possible. The purpose of the standard will remain as is in IEEE 628-1987 which is to provide criteria for the minimum requirements in the selection, design, installation, and qualification of raceway systems for Class 1E circuits for nuclear power generating stations. It also prescribes methods for the structural qualification of raceway systems for Class 1E circuits.

5.5 Need for the Project: The purpose for this revision to IEEE 628-2001 is to address comments received during the reaffirmation process and to update the standard references as required. In addition, requirements for next generation nuclear power generating stations will be considered and incorporated into the standard as applicable.

5.6 Stakeholders for the Standard:

Intellectual Property

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes

If yes, state date: 08/28/2007

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

6.1.c. 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 Future Adoptions

Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? No

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes: (Item Number and Explanation)