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**Submitter Email:** randy\_jamison@fpl.com  
**Type of Project:** Revision to IEEE Standard 420-2001  
**PAR Request Date:** 27-Jan-2010  
**PAR Approval Date:** 25-Mar-2010  
**PAR Expiration Date:** 31-Dec-2014  
**Status:** PAR for a Revision to an existing IEEE Standard 420-2001  
**Project Record:** 420

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**1.1 Project Number:** P420  
**1.2 Type of Document:** Standard  
**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations  
**Old Title:** IEEE Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations

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**3.1 Working Group:** Working Group for Independence Criteria and Design of Control Boards, Panels, and Racks (PE/NPE/WG\_6.5)  
**Contact Information for Working Group Chair**  
**Name:** Randy Jamison  
**Email Address:** randy\_jamison@fpl.com  
**Phone:** 603-773-7810  
**Contact Information for Working Group Vice-Chair**  
None

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**3.2 Sponsoring Society and Committee:** IEEE Power & Energy Society/Nuclear Power Engineering (PE/NPE)  
**Contact Information for Sponsor Chair**  
**Name:** John Macdonald  
**Email Address:** j.d.macdonald@ieee.org  
**Phone:** 716-649-4368  
**Contact Information for Standards Representative**  
**Name:** Paul Yanosy  
**Email Address:** yanosypl@westinghouse.com  
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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:** 03/2011  
**4.3 Projected Completion Date for Submittal to RevCom:** 02/2012

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 6  
**5.2 Scope:** This standard applies to the design and qualification of Class 1E control boards, panels, and racks. It does not apply to individual components, modules, and external field run cables except as they may affect the design and qualification of Class 1E control boards, panels, and racks.  
**Old Scope:** This standard applies to the design and qualification of Class 1E control boards, panels, and racks. It does not apply to individual components, modules, and external field-run cables except as they may affect the design and qualification of Class 1E control boards, panels, and racks.

**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 specify the design and qualification requirements for Class 1E control boards, panels, and racks and to establish the methods to verify that these requirements have been satisfied.  
**Old Purpose:** The purpose of this standard is to specify the design requirements for Class 1E control boards, panels, and racks and to establish the methods to verify that these requirements have been satisfied.

**5.5 Need for the Project:** The revision to IEEE 420-2001 will address the following: 1) update the standard to reflect the separation and independence requirements from IEEE 384-2008 including fiber optic circuits, 2) update references, 3) address comments received during the reaffirmation ballot, 4) consider additional EMI/RFI wiring practices, and 5) incorporate user feedback.

**5.6 Stakeholders for the Standard:** Nuclear power generating station designers

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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 International Activities**

**a. Adoption**

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

**b. Joint Development**

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

**c. Harmonization**

**Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No**

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**8.1 Additional Explanatory Notes (Item Number and Explanation):**