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Type of Project: Modify Existing Approved PAR

PAR Request Date: 25-Jan-2010

PAR Approval Date: 25-Mar-2010

PAR Expiration Date: 31-Dec-2010

Status: Modification to a Previously Approved PAR for the Revision of a Standard 7-4.3.2-2003

Root PAR: P7-4.3.2 **Approved on:** 27-Mar-2008

Project Record: 7-4.3.2

1.1 Project Number: P7-4.3.2

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Criteria for Digital Computers in Safety Systems of Nuclear Power Generating Stations

3.1 Working Group: Programmable Digital Computers to Safety Systems Working Group (PE/NPE/WG_6.4)

Contact Information for Working Group Chair

Name: Warren Odess-Gillett

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Contact Information for Working Group Vice-Chair

None

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

Contact Information for Sponsor Chair

Name: John Macdonald

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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: 02/2010

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

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

5.2 Scope: This standard serves to amplify criteria in IEEE Std 603-2009, IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations, to address the use of computers as part of safety systems in nuclear power generating stations. The criteria contained herein, in conjunction with criteria in IEEE Std 603-2009, establish minimum functional and design requirements for computers used as components of a safety system.

Old Scope: This standard serves to amplify criteria in IEEE Std 603-1998, IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations, to address the use of computers as part of safety systems in nuclear power generating stations. The criteria contained herein, in conjunction with criteria in IEEE Std 603-1998, establish minimum functional and design requirements for computers used as components of a safety system.

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

5.4 Purpose: The purpose is to establish minimum functional and design requirements for computers used as components of safety systems. **This stated purpose will not be included in the standard.

Old Purpose: The purpose is to establish minimum functional and design requirements for computers used as components of safety systems. **This stated purpose will not be included in the standard.

5.5 Need for the Project: The reason for this project is to update the standard to address industry comments and recent advances in computer technology.

5.6 Stakeholders for the Standard: Stakeholders for this standard are utilities that operate nuclear power generating stations, the regulators and vendors that provide digital computer based equipment for use in safety systems of nuclear power generating stations.

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 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

8.1 Additional Explanatory Notes (Item Number and Explanation): Draft P7-4.3.2 now cites IEEE 603-2009 which was published after PAR P7-4.3.2 was approved.