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09 December 2005

James E Thomas  
MPR Associates Inc.  
140 Mustang Circle  
Simpsonville, SC 29681  
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Re: P1684 - Standard Criteria for Security of Digital Computers in Safety Systems of Nuclear Power Generating Stations

Dear James:

I am pleased to inform you that on 07 December 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1684.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 07 March 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
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# PAR FORM

**PAR Status:** New PAR

**PAR Approval Date:** 07 December 2005

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** P1684

**2. Sponsor Date of Request:** 2005-08-10

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Standard Criteria for Security of Digital Computers in Safety Systems of Nuclear Power Generating Stations

**5. Life Cycle:** Full-Use

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** No

**6b. The Project is a:** New Standard

**7. Working Group Information:**

**Name of Working Group:** Programmable Digital Computers to Safety Systems Working Group

**Approximate Number of Expected Working Group Members:**10

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Charles Roslund

**Telephone:** 724-733-6613 **FAX:** 724-733-6150

**Email:** rosluncj@notes.westinghouse.com

**9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:**

**Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:**

**Telephone:** **FAX:**

**Email:**

**10. Contact information for Sponsoring Society or Standards Coordinating Committee:**

**Name of Sponsoring Society and Committee:** IEEE Power Engineering Society Nuclear Power Engineering

**Name of Sponsoring Committee Chair:** John J Disosway

**Telephone:** 540-894-2589 **FAX:** 540-894-2131

**Email:** john\_disosway@dom.com

**Name of Liaison Rep. (if different from the Sponsor Chair):** James E Thomas

**Telephone:** 864-962-0128 **FAX:** 864-962-0638

**Email:** jthomas@mpra.com

**Name of Co-Sponsoring Society and Committee:**

**Name of Co-Sponsoring Committee Chair:**

**Telephone: FAX:**

**Email:**

**Name of Liaison Rep. (if different from the Sponsor Chair):**

**Telephone: FAX:**

**Email:**

**11. The Type of ballot is:** Individual Sponsor Ballot

**Expected Date of Submission for Initial Sponsor Ballot:** September 2008

**12. Projected Completion Date for Submittal to RevCom:** February 2009

**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:**

**13. Scope of Proposed Project:**

This project will define requirements and provide guidance in addressing security for digital computers and software used in safety systems of nuclear power generating stations.

**Is the completion of this document contingent upon the completion of another document?**

No

**14. Purpose of Proposed Project:**

Currently there are no defined security requirements and implementation guidance for digital computers and software used in safety systems of nuclear power generating stations. The purpose of this standard is to provide this guidance.

**15. Reason for the Proposed Project:**

The reason for this project is to address the need for security for digital computers and software used in safety systems of nuclear power generating stations. This topic is sufficiently complex that it should be addressed in a new standard. The benefit provided will be specific guidance on implementing security measures for digital computers and software used in safety systems of nuclear power generating stations. The stakeholders in this project are the utilities that operate nuclear power generating stations, the regulators and the vendors that provide digital computer based equipment for use in safety systems of nuclear power generating stations.

**16. Intellectual Property:**

**a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-08-10

**b. Is the sponsor aware of copyright permissions needed for this project?** No

**c. Is the sponsor aware of trademarks that apply to this project?** No

**d. Is the sponsor aware of possible registration activity related to this project?** No

**17. Are there other documents or projects with a similar scope?** No

**Similar Scope Project Information:**

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

**If yes, the following questions must be answered:**

**Organization Name?**

**Technical**

**Committee**

**International**

**Contact**

**Information?**

**19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? Yes**

**If yes, please explain:**

This standard addresses criteria for security of computers used in safety systems of nuclear power generating stations.

**20. Sponsor Information**

**a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter? Yes**

**If no, please explain:**

**b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes**

**21. Additional Explanatory Notes: (Item Number and Explanation)**