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26 September 2005

Anne-Marie Sahazizian  
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Re: P1402 - Guide for Electric Power Substation Physical and Electronic Security

Dear Anne-Marie:

I am pleased to inform you that on 22 September 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/1402.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 21 December 2005.

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:** Revision PAR  
**PAR Approval Date:** 2005-09-22  
**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** P1402

**2. Sponsor Date of Request:** 2005-08-09

**3. Type of Document:**

**4. Title of Document:**

**Draft:** Guide for Electric Power Substation Physical and Electronic Security

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

**6. Type of Project:**

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

**6b. The Project is a:** Revision of Std 1402-2000

**7. Working Group Information:**

**Name of Working Group:** Substation Security

**Approximate Number of Expected Working Group Members:**6

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

**Name of Working Group Chair:** Roland E Youngberg

**Telephone:** 563-333-8139 **FAX:** 563-333-8112

**Email:** reyoungberg@midamerican.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 Substations

**Name of Sponsoring Committee Chair:** Hanna E Abdallah

**Telephone:** 602-371-6524 **FAX:** 602-371-6829

**Email:** hannaessa.abdallah@aps.com

**Name of Liaison Rep. (if different from the Sponsor Chair):** Anne-Marie Sahazizian

**Telephone:** 416-345-6657 **FAX:** 416-345-6965

**Email:** AM.Sahazizian@HydroOne.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:** June 2007

**12. Projected Completion Date for Submittal to RevCom:** June 2008

**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 guide identifies and discusses security issues related to human intervention during the construction, operation (except for natural disasters), and maintenance of electric power supply substations. It also documents methods and designs to mitigate intrusions.

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

No

**14. Purpose of Proposed Project:**

Access to electric supply substations by unauthorized personnel is an increasing problem for the electric industry. These intrusions may result in loss, damage, and misoperations of equipment and facilities and may create potential safety and environmental liabilities. This guide presents various methods and techniques presently being used to mitigate human intrusions, as identified in an industry survey. In 1994, an IEEE Substation Security Guide Survey was sent to utilities internationally: the responses from this survey are presented in Clause 7 of this Guide. Refer to IEEE Std 1264-1993 R2004 for methods being used to counteract nonhuman intrusions.

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

The scope and purpose of this guide are not being changed. The reason for updating this guide is to incorporate new technology and to bring it into conformance with FERC 1200, FERC 1300 and the security requirements of Rural Utility Services. These revisions will assist the designers and operators of electric power supply substations to minimize human intrusions into those facilities. The stakeholders are the Electric Utility Industry, Independent Power Producers and Industrial organizations that own and operate electric power substations.

**16. Intellectual Property:**

**a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-08-02

**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? Do not know at this time**

**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? No**

**If yes, please explain:**

**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)**