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09 May 2007

Paul L. Yanosy
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Re: P627 - Standard for Design Qualification of Safety-Related Equipment Used in Nuclear Power Generating Stations

Dear Paul:

I am pleased to inform you that on 07 May 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/627.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 s.hampton@ieee.org no later than 05 August 2007.

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 +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
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CC: malcolms@aecl.ca, stds-pes-scc@ieee.org, dah@adventengineering.com BCC: s.hampton@ieee.org, t.t.lee@ieee.org

PAR Request Date: 02 March 2007	
PAR Approval Date: 07 May 2007	
PAR Signature Page on File: Yes	
Type of PAR: Revision to IEEE Standard	
Status: PAR for a New IEEE Standard Std 627-1980	
Root Project:	
1.1 Project No.: 627	
1.2 Type of Document: Standard	
1.3 Life Cycle: Full-Use	
1.4 Is this document in ballot now? No	
2.1 Title Standard for Design Qualification of Safety-Related Equipment Used in Nuclear Power Generating Stations	
3.1 Working Group Name	SC2.10 - Design Qualification of Safety Equipment
Working Group Chair	Horvath, David A. Phone: 734-930-7500 Email: dah@adventengineering.com
Working Group Vice Chair	
3.2 Sponsor	IEEE Power Engineering Society Nuclear Power Engineering (PE/NPE)
Sponsor Chair	Malcolm, J. Scott Phone: 905-823-9040x3157 Email: malcolms@aecl.ca
Name of Standards Liaison Representative (if applicable)	Yanosy, Paul L. Phone: 412-374-6402 Email: paul.l.yanosy@us.westinghouse.com
3.3 Joint Sponsor	
4.1 Type of Ballot: Individual	
4.2 Expected Date of Submission for Initial Sponsor Ballot: February 2010	
4.3 Projected Completion Date for Submittal to RevCom: February 2011	
5.1 Approximate number of people expected to work on this project: 10	
5.2 Scope: This standard provides the basic principles for design qualification of safety-related equipment used in nuclear power generating systems.	Old Scope: This standard provides the basic principles for design qualification of safety systems equipment used in nuclear power generating stations.
5.3 Is the completion of this document contingent upon the completion of another document? No	
5.4 Purpose: The purpose of this standard is to provide basic principles and guidance to demonstrate the design qualification of safety-related equipment. Design qualification is intended to confirm the adequacy of the equipment design to perform its safety functions over the expected range of normal, abnormal, design basis event, post design basis event, and in-service test conditions.	Old Purpose: The purpose of this standard is to provide basic principles and guidance to demonstrate the design qualification of safety systems equipment. Design qualification is intended to confirm the adequacy of the equipment design to perform its safety functions over the expected range of normal, abnormal, design-basis event, post design-basis event, and in-service test conditions.

5.5 Need for the Project: This project will resurrect and update IEEE Std 627-1980 (R1996). See Section 7.4 of this PAR for details of this update. Although withdrawn in 2002, this standard is continuing to be referenced in ASME's QME-1-2002 "Qualification of Active Mechanical Equipment Used in Nuclear Power Plants", NRC's NUREG-0800 Standard Review Plan Section 3.11, at least one reactor vendor's Design Certification Document (DCD), several international licensing documents, and elsewhere. This document provides high level approaches, criteria, guidance, and principles for qualification of both electrical and mechanical equipment that appear in no other industry standard. Note: The proposed purpose and scope in Sections 5.2 and 5.4 above are generally identical to which appeared in IEEE Std 627-1980 (R1996) just prior to its withdrawal.

5.6 Stakeholders for the Standard: Nuclear Power Plant Owners, architect-engineers / consultants, manufacturers, and regulators of the nuclear power industry.

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 Presented Date: 2007-03-02

If no, please explain:

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

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Do not know at this time

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

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:

5.5 As part of the proposed update, the working group will consider updates to existing references, the addition of any new relevant references, the possibility of adding risk-informed guidance, and it will reflect the current state-of-technology and the operating experience gained over the past 26 years. This proposed standard (P627) will not apply to equipment safety nor to personnel safety; it will apply to the more complex topic of nuclear power plant safety. Nuclear power plants are designed with redundancy and a robust defense-in-depth. This compilation of design is based on an extensive list of regulations and to a lesser degree multi-discipline industry standards such that, in general (and definitely in the case of P627), failure to comply with any one IEEE nuclear standard will have no effect on public health and safety.

8.1 Sponsor Information:

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

If no, please explain: