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07 June 2007

Louis J Gullo  
Raytheon  
One Cedar Pond Road  
Lakeville  
louis.gullo@ieee.org

Re: P1624 - Standard for Organizational Reliability Capability

Dear Louis:

I am pleased to inform you that on 07 June 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1624.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](mailto:s.hampton@ieee.org) no later than 05 September 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](mailto:s.hampton@ieee.org).

Sincerely,

Sherry Hampton  
Administrator, Governance  
Standards Activities  
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CC: pecht@calce.umd.edu BCC: s.hampton@ieee.org, t.t.lee@ieee.org

**PAR Request Date:** 07 May 2007**PAR Approval Date:** 07 June 2007**PAR Signature Page on File:** No**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR P1624, 04 March 2005**Root Project:** New Project**1.1 Project No.:** 1624**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 Organizational Reliability Capability

**3.1 Working Group Name**[Reliability Prediction Working Group](#)**Working Group Chair**[Pecht, Michael](#)

Phone: 301-405-5323

Email: pecht@calce.umd.edu

**Working Group Vice Chair****3.2 Sponsor**[IEEE Reliability Society \(RS\)](#)**Sponsor Chair**[Gullo, Louis J](#)

Phone: 508-947-7723

Email: louis.gullo@ieee.org

**Name of Standards Liaison Representative (if applicable)****3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** May 2007**4.3 Projected Completion Date for Submittal to RevCom:** October 2008**5.1 Approximate number of people expected to work on this project:** 15

**5.2 Scope:** This document presents a Standard which defines the reliability capability of organizations and identifies the criteria for assessing the reliability capability of an organization. This Standard is intended to be usable by all organizations that design, manufacture or procure electrical/electronics components or products. Although the concepts described in this Standard could be applied to both hardware and software products, the focus of the standard is on hardware products.

**Old Scope:** This project will develop a guide for defining the reliability capability of organizations. This guide will be reusable by all organizations which design, manufacture or procure electrical/electronics components or products. Although the concepts described in this guide could be applied to both hardware and software reliability capability, the focus of the guide is on hardware reliability capability.

**5.3 Is the completion of this document contingent upon the completion of another document?** No

**5.4 Purpose:** The purpose for assessing the reliability capability of an organization is to facilitate improvement of the product reliability. This document does not define an audit process, but rather an assessment process that is suitable for providing data and results as input into an audit process. Reliability capability is defined by key practices and associated metrics. This Standard does not seek to create or propose creation of certifying bodies that assess whether an organization meets the definitions of reliability capability. This Standard could be used for self-assessment by organizations or for supplier/customer relationship development between members of supply chain.

**Old Purpose:** This is an independent guide for defining the criteria for assessing the reliability capability of an organization. The reliability capability will be defined by key processes and associated metrics. This proposed standard does not seek to create or propose creation of certifying bodies that assess if any company meets the definitions of reliability capability. This standard can be used for self-assessment by companies or for supplier/customer relationship development between members of supply chain.

**5.5 Need for the Project:** Assessment of organizational reliability capability provides a framework and method for identifying practices in need of improvement across multiple product lines or departments. Internal application of these methods through self-assessment allows improvement of an organization's reliability practices. Assessment of external organizations provides a means to improve the reliability of products obtained from external suppliers. Traditionally, supplier selection is based on cost, logistics, technical capabilities, production volume, support locations, and other contractual factors. One of the reasons why reliability does not typically enter into the decision-making process is the lack of an accepted methodology to quantitatively measure the capability of an organization to develop and build reliable products. A supplier selection process that takes into account the ability of the supplier to meet reliability requirements can improve product reliability throughout the product lifecycle. The Reliability Capability Guide benefits organizations in the Electronics Industries by defining approaches to improve the implementation of Reliability Engineering in the development and manufacture of electronic modules.

**5.6 Stakeholders for the Standard:** This standard will be usable by all organizations which design, manufacture or procure electrical/electronics components or products.

**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: 2007-05-01

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? Yes**

**If yes, please explain:**

An AIAA standard has some commonalities with regard to specific reliability practices.

**Sponsor Organization:** AIAA

**Project/Standard Number:** S-102

**Project/Standard Date:** 2006-12-01

**Project/Standard Title:** Performance Based R&M Standards

**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:**

The document's title, scope and purpose are changed from a guide to a standard.

**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: