
myProject™ - P1641 PAR Detail

Submitter Email: ashley.hulme@ieee.org

Type of Project: Revision to IEEE Standard

PAR Request Date: 22-Apr-2008

PAR Approval Date: 12-Jun-2008

PAR Expiration Date: 31-Dec-2012

Status: Revision to an Existing IEEE Standard, Std 1641-2004

Project:

Root Project: 1641-2004

1.1 Project Number: P1641

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

1.4 Is this project in ballot now? No

2.1 Title: Standard for Signal and Test Definition

Old Title: IEEE Standard for Signal and Test Definition

3.1 Working Group: Test and ATS Description Working Group (SASB/SCC20/TAD_WG)

Contact Information for Working Group Chair

Name: Ion Neag

Email: ion.neag@restonsoftware.com

Phone: (703) 234-2932

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE-SASB Coordinating Committees/SCC20 - Test and Diagnosis for Electronic Systems (SASB/SCC20)

Contact Information for Sponsor Chair

Name: Mike Seavey

Email: michael.seavey@ngc.com

Phone: 224-558-7347

Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of Submission for Initial Sponsor Ballot: 12/2008

4.3 Projected Completion Date for Submittal to RevCom: 09/2009

5.1 Approximate number of people expected to work on this project: 15

5.2 Scope: This standard provides the means to define and describe signals used in testing. It provides a set of common basic signal definitions, built upon formal mathematical specifications, so that signals can be combined to form complex signals usable across all test platforms. The standard provides support for structural textual languages and programming language interfaces for

Old Scope: The scope of this project is to provide the means to define and describe signals used in testing. The standard provides a set of common basic signals, mathematically underpinned so that signals can be combined to form complex signals usable across all test platforms. The provision of language elements supports test signal descriptions for

interoperability.

interoperability.

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

5.4 Purpose: This standard provides a common reference for signal definitions, which may be used throughout the life cycle of a unit under test or test system. Such a reference will in turn facilitate information transfer, test reuse and broader application of test information - accessible through commercially available development tools.

Old Purpose The purpose of the standard is to provide a common signal reference for use throughout the life cycle of a unit under test or test system. This will in turn facilitate information transfer, test reuse and broader application of test information - accessible through commercially available development tools.

5.5 Need for the Project: During the life of the current standard, issues have been discovered that are not adequately defined or require further explanation. The standard also requires further development to include additional technologies not fully covered by the current standard.

5.6 Stakeholders for the Standard: The major stakeholders will be the electronics test industry including (but not limited to) Avionics, Military, and Commercial equipment manufacturers and maintainers.

Intellectual Property

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

If yes, state date: 04/22/2008

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

6.1.c. 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? Yes

Organization: IEC

Technical Committee Name: TC93

Technical Committee Number: WG7

Contact Person Name: n/a

Contact Person Phone:

Contact Person Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Person Name:

Contact Person Phone:

Contact Person Email:

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Person Name:

Contact Person Phone:

Contact Person Email:

8.1 Additional Explanatory Notes (Item Number and Explanation): The Scope and Purpose have been updated to reflect a full revision of the standard. There is an existing PAR for an Amendment for which SCC20 is requesting withdrawal the required

changes and additions extend beyond the scope of an amendment.