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23 September 2005

Harmon Banning
W. L. Gore & Associates
750 Ott's Chapel Road750 Ott's Chap
Newark, DE 19714-8038
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Re: P1505.1 - Standard for the Common Test Interface Pin Map Configuration for High-Density, Single-Tier Electronics Test Requirements Utilizing IEEE Std 1505

Dear Harmon:

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/1505-1.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 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.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
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CC: DDroste@DRS-TEM.com, mjs@sysintech.com, orlidge@aaicorp.com

PAR FORM

PAR Status: New PAR

PAR Approval Date: 2005-09-22

PAR Signature Page on File: Yes

1. Assigned Project Number: P1505.1

2. Sponsor Date of Request: 2005-05-05

3. Type of Document:

4. Title of Document:

Draft: Standard for the Common Test Interface Pin Map Configuration for High-Density, Single-Tier Electronics Test Requirements Utilizing IEEE Std 1505

5. Life Cycle: Trial-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: Hardware Interfaces Working Group

Approximate Number of Expected Working Group Members:15

8. Contact information for Working Group Chair:

Name of Working Group Chair: David B Droste

Telephone: 256-895-3031 **FAX:** 256-895-2222

Email: DDroste@DRS-TEM.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: Michael Stora

Telephone: 973-299-8321 **FAX:** 973-299-9757

Email: mjs@sysintech.com

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

Name of Sponsoring Society and Committee: IEEE Instrumentation and Measurement Society
TC5 - Connectors

Name of Sponsoring Committee Chair: Harmon Banning

Telephone: 302-368-3700 **FAX:** 302-292-5270

Email: hbanning@wlgore.com

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

Telephone: **FAX:**

Email:

Name of Co-Sponsoring Society and Committee: SCC20-Test and Diagnosis for Electric Systems Test and Diagnosis for Electric Systems

Name of Co-Sponsoring Committee Chair: Leslie A Orlidge

Telephone: 410-628-6634 **FAX:** 410-628-3968

Email: orlidge@aaicorp.com

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: December 2005

12. Projected Completion Date for Submittal to RevCom: April 2006

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:

The scope of this standard is the definition of a pin map utilizing the IEEE 1505 Receiver Fixture Interface (RFI). The pin map defined within this standard shall apply to military and Aerospace Automatic Test Equipment (ATE) testing applications.

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

Yes

Intended to supplement the current IEEE-P1505 RFI project.

14. Purpose of Proposed Project:

Standardizing on a common I/O will enable the interoperability of P1505 compliant interface fixtures (also known as interface test adapters, interface devices, or interconnection devices) on multiple ATE systems utilizing the IEEE 1505 Receiver Fixture Interface.

15. Reason for the Proposed Project:

The reason for this project stems from the history of ATE implementations having unique I/O pin out definitions. This uniqueness has prevented the interoperability of Test Program Sets (TPS)s among different ATEs within the same organizations. Even if the same RFI was used by the target ATE, the signals I/O could not be guaranteed to be at the same pin location. This is due to there being no suitable standard pin out definition for general purpose electronic testing applications. The IEEE 1505 Receiver Fixture Interface Standard has addressed part of the interoperability problem by defining the common mechanical interface for the ATE. This project takes the TPS interoperability problem one step further towards completion by standardizing the electrical signal I/O pin map for general purpose electronic testing applications. The Department of Defense is a major buyer and user of ATE; however, existing acquisition guidance desires the use of commercial standards and/or best practices for these systems. No suitable standards currently exists in the commercial marketplace; therefore, this standard will provide such specification.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-04-25
- 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)