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20 June 2005

Leslie A Orlidge
AAI Corporation
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Re: P1671.2 - Trial-Use Standard Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML: Exchanging Instrument Descriptions

Dear Leslie:

I am pleased to inform you that on 09 June 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/1671-2.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 07 September 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: keith.ellis@eads-ts.co.uk, ion@tyx.com

PAR FORM

PAR Status: New PAR

PAR Approval Date: 2005-06-09

PAR Signature Page on File: Yes

1. Assigned Project Number: P1671.2

2. Sponsor Date of Request: 2005-04-29

3. Type of Document: Standard for

4. Title of Document:

Draft: Trial-Use Standard Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML: Exchanging Instrument Descriptions

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: SCC20 Test and ATS Description (TAD)

Approximate Number of Expected Working Group Members:15

8. Contact information for Working Group Chair:

Name of Working Group Chair: Keith Ellis

Telephone: 0114401438821555 **FAX:** 0114401438821666

Email: keith.ellis@eads-ts.co.uk

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: Ion A Neag

Telephone: 703-264-1080 **FAX:** 703-264-1090

Email: ion@tyx.com

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

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

Name of 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:

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: May 2007

12. Projected Completion Date for Submittal to RevCom: May 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:

The scope of this standard is the definition of an exchange format, utilizing XML, for exchanging the static description of an instrument. Instances of InstrumentDescription will be utilized in conjunction with other instances of InstrumentDescription in support of the execution of test programs in an automatic test environment.

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

No

14. Purpose of Proposed Project:

The purpose of this standard is to promote and facilitate interoperability between components of Automatic Test Systems (ATSS) (e.g., between a test executive and a resource allocator) where instrument descriptions need to be shared. This standard will also facilitate the description of tester configuration as well as synthetic/virtual/composite instrumentation. The InstrumentDescription Schema becomes a class of information that can be used within the ATML family of standards.

15. Reason for the Proposed Project:

The standard will permit InstrumentDescriptions to be utilized for a variety of purposes, including, instrument replacement, Test Configuration Descriptions, and Instrument Capability Descriptions. Current TPSs developed to run on ATSS are implemented with tight coupling between components. The components are typically developed specific to a particular architecture. Once the test program is fielded, the instrument functionality and TPS utilization strategies used initially to develop the TPS typically become obsolete as the test program evolves in its life cycle. As the ATS is replaced or achieves some level of obsolescence, it is typical to rehost the implementation of the the TPS as part of instruments being replaced. Instrument manufacturers have historically provided non-standardized descriptions of their products that have required both ATS developers and TPS developers to interpret. This standard will allow a common instrument description to be transportable across a variety of ATSS within the automotive, semiconductor, aerospace and military industries.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-04-26
- 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? Yes

If yes, the following questions must be answered:

Organization Name? IEC TC93 WG7

**Technical
Committee**

International Narayanan Ramachandran

Contact TYX Corporation

Information? 1910 Association Drive, 2nd floor
Reston, VA 20191-1502
rn@tyx.com

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)