

# PAR FORM

**PAR Status:** New PAR (Unapproved PAR)

**PAR Approval Date:** 0000-00-00

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** 1671

**2. Sponsor Date of Request:** 2004-10-06

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Standard Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML

**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 Information Integration

**Approximate Number of Expected Working Group Members:**5

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Chris Gorringer

**Telephone:** +44 1202 872800 **FAX:** +44 1202 870810

**Email:** chris@racal1wst.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:**

**Telephone: FAX:**

**Email:**

**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 Orledge

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

**Email:** orledge@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:** 2005-10-06

**12. Fill in Projected Completion Date for Submittal to RevCom:** 2006-04-06

**Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:**

**13. Scope of Proposed Project:**

ATML defines a standard exchange medium for sharing information between components of automatic test systems. This information includes test data, resource data, diagnostic data, and historic data. The exchange medium is defined using the extensible markup language (XML). This document specifies the architecture for the family of ATML standards.

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

**14. Purpose of Proposed Project:**

The purpose of ATML is to support test program, test asset and Unit Under Test (UUT) interoperability within an automatic test environment. ATML accomplishes this through a standard medium for exchanging UUT, test and diagnostic information between components of the test system. The purpose of this document is to provide an overview of ATML goals as well as to provide guidance for usage of the ATML family of standards.

**14a. Reason for the standardization project:**

The ATML initiative is driven by a desire to standardize the XML format for use by various proprietary tools used within the automatic test industry. This will benefit both automatic (computer controlled) test equipment manufactures, maintainers and test system users in a broad range of industries including aerospace and government/military. By using a common format different tools and systems can exchange information, and form co-operative heterogeneous systems resulting in: Decreased test times, Reduced incidents of Can Not Duplicate or No Fault Found, Reduced Repair Cycle, Formalized capture of historic data, and improved Closed loop diagnostic systems.

**15. Intellectual Property:**

**Has the sponsor reviewed the IEEE patent policy with the working group?** Yes

**Is the sponsor aware of copyrights relevant to this project?** No

**Is the sponsor aware of trademarks relevant to this project?** No

**Is the sponsor aware of possible registration of objects or numbers due to this project?** No

**16. Are there other documents or projects with a similar scope?** No

**Similar Scope Project Information:**

**17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** Yes

**If yes, please answer the following questions:**

**Which International Organization/Committee?** IEC TC93 WG7

**International Contact Information?** Narayanan Ramachandran  
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**18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.**

**19. Additional Explanatory Notes: (Item Number and Explanation)**