

# P1671.4

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**Submitter Email:** chris.gorringe@eads-ts.com  
**Type of Project:** Revision to IEEE Standard 1671.4-2007  
**PAR Request Date:** 15-Apr-2010  
**PAR Approval Date:** 17-Jun-2010  
**PAR Expiration Date:** 31-Dec-2014  
**Status:** PAR for a Revision to an existing IEEE Standard  
**Project Record:** No Project Record  
**Root Project:** 1671.4-2007 Edit Root Project Record

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**1.1 Project Number:** P1671.4  
**1.2 Type of Document:** Standard  
**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Automatic Test Markup Language (ATML) Test Configuration

**Old Title:** IEEE Trial-Use Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Information via eXtensible Markup Language (XML): Exchanging Test Configuration Information

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**3.1 Working Group:** Test Information Integration Working Group (SASB/SCC20/TII\_WG)

**Contact Information for Working Group Chair**

**Name:** Chris Gorringe  
**Email Address:** chris.gorringe@eads-ts.com  
**Phone:** +44(0)1202872800

**Contact Information for Working Group Vice-Chair**

None

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**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 Address:** michael.seavey@ngc.com  
**Phone:** 224-558-7347

**Contact Information for Standards Representative**

None

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 05/2013

**4.3 Projected Completion Date for Submittal to RevCom:** 05/2014

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 10

**5.2 Scope:** This standard defines an exchange format, utilizing eXtensible Markup Language (XML), for identifying all of the hardware, software and documentation that is needed to test and diagnose a unit under test (UUT) on an Automatic Test System (ATS).

**Old Scope:** The scope of this trial-use standard is the definition of an exchange format, using eXtensible Markup Language (XML), for identifying all of the hardware, software, and documentation that may be used to test and diagnose a UUT on an automatic test system (ATS).

**5.3 Is the completion of this standard dependent upon the completion of another standard:** Yes

**If yes please explain:** This standard is dependent upon the parent standard IEEE 1671 - Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML. At the time of submission the Draft standard is in its ballot resolution phase, having already achieved enough affirmative votes to be submitted to RevCom.

**5.4 Purpose:** No purpose statement is required since this standard is intended for IEC standardization.

**Old Purpose:** The test configuration provides a framework, which enables test program set data to be exchanged between compliant systems. The data supports the acquisition and itemization of test assets required to be in place prior to testing a UUT on the test

system.

**5.5 Need for the Project:** Adoption of the resultant standard will allow manufacturers of these configuration elements and components to meet the overall goals of interoperability embodied in this the ATML family of standards.

**5.6 Stakeholders for the Standard:** Anticipated users of the ATML family of standards include the following:

Product (e.g., UUT) developers.

Product (e.g., UUT) maintainers.

TPS developers.

TPS maintainers.

ATE system developers.

ATE system maintainers.

Instrumentation developers.

Developers of ATML-based tools and systems.

Developers of prime mission equipment that use the supported UUT as a component.

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## Intellectual Property

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

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** Do Not Know

**If Yes please explain:**

**and answer the following**

**Sponsor Organization:**

**Project/Standard Number:**

**Project/Standard Date:**

**Project/Standard Title:**

**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:** ISO

**Technical Committee Name:** TC93

**Technical Committee Number:** WG7

**Contact Name:** Narayanan Ramachandran

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**b. Joint Development**

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

**c. Harmonization**

**Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?:** Do Not Know

**Organization:**

**Technical Committee Name:**

**Technical Committee Number:**

**Contact Name:**

**Phone:**

**Email:**

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**8.1 Additional Explanatory Notes (Item Number and Explanation):** 1.3: This PAR has been submitted to update the previous Trial-Use Standard to Full Use and to align with the latest definitions and requirements of its parent standard IEEE Std 1671 - Standard for Automatic Test Markup Language (ATML) for Exchanging Automatic Test Equipment and Test Information via XML.

2.1, 5.2 & 5.4: The title, scope and purpose have all been changed to simplify and provide a consistent approach across the family of standards and to align their content with the latest IEEE Guide for PAR Review guidelines.

5.5: The goal is to have all the Full Use ATML 'dot' standards go to ballot at the same, or within a short window of each other so that all balloters can consider all changes at the same time. This will allow common changes to be considered across the family of 'Dot'

standards.

The number of changes are not expected to be large, The revision is to bring all the trial use standards inline with the IEEE Std 1671 base standard.

5.3: A PAR is being requested at this time so as to allow initial work to be done to update the trial-use standard to a full use standard in line with the parent standard.