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Standard for automatic test markup language (ATML) test adapter description

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IEEE Standard for Automatic Test Markup Language (ATML) Test Adapter Description

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Abstract: An exchange format using extensible markup language (XML) for identifying all of the hardware, software, and documentation associated with a test adapter is specified in this document. This test adapter may be used as a component of a test program set to test and diagnose a unit under test.

Keywords: ATML instance document, automatic test equipment (ATE), automatic test markup language (ATML), automatic test system (ATS), IEEE 1671.5™, interface device (ID), interface test adapter (ITA), test adapter, test fixture, XML schema

IEEE Introduction

This introduction is not part of IEEE Std 1671.5™-2015, IEEE Standard for Automatic Test Markup Language (ATML) Test Adapter Description.

This child, or dot, standard, also known as an ATML component standard, provides for the definition of the Test Adapter XML schemas, and contains references to examples; both of which accompany this standard.

These XML schemas provide for the identification and definition of a test adapter.

ATML's XML schemas define the basic information required within any test application and provide a vehicle for formally defining the test environment by defining a class hierarchy corresponding to these basic information entities and provide several methods within each to enable basic operations to be performed on these entities. ATML component standards within the ATML framework define the particular requirements within the test environment.

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