IEEE Guide for the Use of IEEE Std 1641™, IEEE Standard for Signal and Test Definition

Amendment 1: Addition of Guidelines for Producing Reusable Test Signal Frameworks for Use on Platforms Utilizing Automatic Test Markup Language

IEEE Standards Coordinating Committee 20

Sponsored by the
IEEE Standards Coordinating Committee 20 on
Test and Diagnosis for Electronic Systems

IEEE
3 Park Avenue
New York, NY 10016-5997
USA

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(Amendment to IEEE Std 1641.1™-2013)

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IEEE Standards Coordinating Committee 20 on Test and Diagnosis of Electronic Systems

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IEEE-SA Standards Board

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Abstract: Amend the guide to add guidelines for producing reusable TSFs for use on platforms utilizing ATML, and produce example TSFs showing conformance with the guidelines. This guide explains how signal definitions and test requirements may be implemented in conformance with IEEE Std 1641-2010. It also provides background information, tutorial support, and examples of signal definitions and test requirements for users of the standard. TSFs are major component for adhering with the IEEE Std 1641. There is little guidance in helping users create their own reusable TSFs or examples that show good practices to copy.

Keywords: ATLAS, IEEE 1641.1™, TSF Library

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Chris Gorringe, *Chair*
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Teresa Lopes	Anand Jain	Joe Stanco
Ion Neag	Malcolm Brown	Mukund Modi
Mike Seavey	Larry Adams	Steven Kelly

The following members of the individual balloting committee voted on this guide. Balloters may have voted for approval, disapproval, or abstention.

W. Larry Adams Jr.	Randall Groves	Leslie Orlidge
Malcom Brown	Werner Hoelzl	Mike Seavey
Demetrio Bucaneg Jr.	Noriyuki Ikeuchi	Robert Spinner
Juan Carreon	Anand Jain	Joseph Stanco
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Chris Gorringe	Nick S. A. Nikjoo	Ronald Taylor

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Introduction

This introduction is not part of IEEE Std 1641.1a-2018, IEEE Guide for the Use of IEEE Std 1641™, IEEE Standard for Signal and Test Definition—Amendment 1: Addition of Guidelines for Producing Reusable Test Signal Frameworks for Use on Platforms Utilizing Automatic Test Markup Language.

This amendment adds guidelines for producing reusable test signal frameworks (TSFs) for use on platforms utilizing ATML and produce example TSFs showing conformance with the guidelines.

TSFs are a major component for adhering to IEEE Std 1641. There is little guidance in helping users create their own reusable TSFs or examples that show good practices to copy.

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