

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

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Sponsor

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

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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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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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