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IEEE Standard for the Universal Test Interface Framework and Pin Configuration for Portable/Bench Top Test Requirements Utilizing IEEE 1505™ Receiver Fixture Interface Standard

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IEEE Std 1505.3™-2015

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Abstract: Portable/benchtop test equipment applications are supported in this document by defining a mass interconnection scheme and pin configuration based upon IEEE Std 1505™-2010 and IEEE Std 1505.1™-2008. Particular emphasis has been placed on defining a more specific set of performance requirements than is defined by IEEE Std 1505-2010 and IEEE Std 1505.1-2008. These performance requirements are in the areas of the pin configuration, specific connector modules, and respective contacts.

Keywords: ATE, ATS, fixture, IEEE 1505.3™, interface, receiver, scalable, TPS, UUT

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At the time this IEEE standard was completed, the Hardware Interfaces Working Group had the following membership:

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Robert Spinner, *Vice Chair*

W. Larry Adams Jr.
Chris Boggs
Malcom Brown
David Droste
William Frank
Chris Geiger
George Isabella
Nathan Hinks
Chuck Kolfeldt
James Langlois
Tom Leddy
Adam Ley
Scott Misha
Ted Ronnenburg
Mike Seavey
Bill Sartor
Richard Spears
John Stabler
Michael Stora

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

W. Larry Adams Jr.
Bill Brown
Malcom Brown
Keith Chow
David Droste
Heiko Ehrenberg
William Frank
Chris Gorringe
Randall Groves
Werner Hoelzl
James Langlois
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Joseph Stanco
Michael Stora
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Introduction

This introduction is not part of IEEE Std 1505.3™-2015, IEEE Standard for the Universal Test Interface Framework and Pin Configuration for Portable/Benchtop Test Requirements Utilizing IEEE 1505™ Receiver Fixture Interface Standard.

Developers, users, and buyers of benchtop and general purpose portable test equipment can benefit from having a standardized mechanical interface and electrical signal input/output (I/O) pin configuration. Implementing a standard interface and pin configuration will permit testing interoperability with other benchtop and portable test equipment that has implemented the same standards. This standard provides the definition of both the mechanical interface and the pin configuration.

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Contents

1. Overview 1
1.1 General 1
1.2 Scope 1
1.3 Purpose 2
1.4 Application 2
1.5 Conventions used within this document 2

2. Normative references 3

3. Definitions, acronyms, and abbreviations 4
3.1 Definitions 4
3.2 Acronyms and abbreviations 4

4. Framework, connector and contact pin configuration 5
4.1 Architecture overview 5
4.2 Framework specifications 7
4.3 Pin configuration specification 11
4.4 Connector/contact pin configuration specifications 12
4.5 Contact specifications 12

5. Compliance specification 16
5.1 Levels of compliance 16

6. Environmental/quality specifications 17

Annex A (informative) Bibliography 18

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