Systems Alliance

VPP-9: Instrument Vendor Abbreviations

Revision 4.35

August 8, 2024

VPP-9 Revision History

This section is an overview of the revision history of the VPP-9 specification.

Revision 1.0, November 28, 1994

This edition reflects the first edition of this specification.

Revision 1.1, December 12, 1994

This edition reflects the following additions to the instrument vendor abbreviations table: Phase Metrics and Radisys Corporation.

Revision 1.2, January 6, 1995

This edition reflects the following addition to the instrument vendor abbreviations table: Schlumberger Technologies.

Revision 1.3, February 24, 1995

This edition reflects the following addition to the instrument vendor abbreviations table: Wandel & Goltermann.

Revision 1.4, July 7, 1995

This edition reflects the following additions to the instrument vendor abbreviations table: Scientific Research Corporation and Sony/Tektronix Corporation.

Revision 1.5, November 13, 1995

This edition reflects the following additions to the instrument vendor abbreviations table: ASCOR Incorporated and Talon Instruments.

Revision 1.6, February 28, 1996

This edition reflects the following additions to the instrument vendor abbreviations table: B&B Technologies, Morrow Technologies, Scicom, and Teradyne.

Revision 1.7, March 13, 1996

This edition reflects the following addition to the instrument vendor abbreviations table: Morrow Technologies Corporation.

Revision 1.8, May 15, 1996

This edition reflects the following addition to the instrument vendor abbreviations table: VXI Technology, Inc.

Revision 1.9, November 5, 1996

This edition reflects the following addition to the instrument vendor abbreviations table: Spectrum Signal Processing, Inc.

Revision 1.10, November 26, 1996

This edition reflects the following addition to the instrument vendor abbreviations table: Marconi Instruments.

Revision 2.0, December 4, 1998

This edition reflects the following addition to the instrument vendor abbreviations table: IFR. The information regarding contacting the Alliance was also updated. References to the VPP-5 Component Knowledge Base specification, which was obsoleted by the alliance, were removed.

Revision 2.1, May 20, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: AIM GmbH, Pickering Interfaces, and Serendipity Systems, Inc. Some minor changes were made to fix an incorrect alphabetization and a double entry in the instrument vendor abbreviations table.

Revision 2.2, July 13, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: AD Ando Electronics added.

Revision 2.3, July 19, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: Changed Ando Electronics to Ando Electric Company Limited, the correct company name.

Revision 2.4, August 3, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: AG Agilent Technologies added.

Revision 2.5, August 24, 1999

This edition reflects the following change and additions to the instrument vendor abbreviations table: Agilent Technologies identifier changed from AT to AG. gnubi communications, Inc. (sic) added.

Revision 2.6, October 27, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: BU Bustec Production Ltd. identifier added.

Revision 2.7, December 10, 1999

This edition reflects the following additions to the instrument vendor abbreviations table: FL Fluke Corporation and Rohde & Schwarz GmbH. identifiers added.

Revision 2.8, January 7, 2000

This edition reflects the following additions to the instrument vendor abbreviations table: YK Yokogawa Electric Corp., Directed Perceptions Inc., Audio Precision Inc., and NT Neutrik AG identifiers added.

Revision 2.9, May 12, 2000

This edition reflects the following additions to the instrument vendor abbreviations table: AV Advantest Corporation.

Revision 3.0, June 1, 2000

This edition reflects the following additions to the instrument vendor abbreviations table:
KI Kikusui Inc. and AO AOIP Instrumentation identifiers added.

Revision 3.1, June 23, 2000

This edition reflects the following additions to the instrument vendor abbreviations table:
AQ Acquiris identifier added.

Revision 3.2, August 4, 2000

This edition reflects the following additions to the instrument vendor abbreviations table:
MS Microscan identifier added.

Revision 3.3, December 7, 2000

This edition reflects the following additions to the instrument vendor abbreviations table:
AU Anritsu Company and KE Keithley Instruments identifiers added.

Revision 3.4, December 12, 2000

This edition reflects the following additions to the instrument vendor abbreviations table:
BA BAE Systems identifier added.

Revision 3.5, December 6, 2001

This edition reflects the following additions to the instrument vendor abbreviations table:
BK Bruel & Kjaer identifier added.

Revision 3.6, May 13, 2002

This edition reflects the following additions to the instrument vendor abbreviations table:
AF Aeroflex Laboratories identifier added.

Revision 3.7, February 14, 2008

Updated the introduction to reflect the IVI Foundation organization changes. Replaced Notice with text used by IVI Foundation specifications.

Revision 3.7, April 14, 2008

Editorial change to update the IVI Foundation contact information in the Important Information section to remove obsolete address information and refer only to the IVI Foundation web site.

Revision 3.8, October 2, 2008

This edition reflects the following additions to the instrument vendor abbreviations table:
PW Pacific Mindworks identifier added.

Revision 3.9, November 3, 2008

This edition reflects the following additions to the instrument vendor abbreviations table:
TS Test & Measurement Systems Inc. identifier added.

Revision 4.0, December 12, 2008

This edition reflects the following additions to the instrument vendor abbreviations table:
LC LeCroy identifier added.

Revision 4.1, January 27, 2009

Editorial change to update the Section 2.1 Introduction to include email contact information for registering vendor prefixes.

Revision 4.2, April 2, 2009

This edition reflects the following additions to the instrument vendor abbreviations table:
PC Picotest identifier added.

Revision 4.3, May 29, 2009

This edition reflects the following additions to the instrument vendor abbreviations table:
DV IBEKO POWER AB identifier added.

Revision 4.4, August 3, 2009

This edition reflects the following additions to the instrument vendor abbreviations table:
UN Holding “Informtest” identifier added.

Revision 4.5, May 13, 2010

This edition reflects the following additions to the instrument vendor abbreviations table:
AT Thurlby Thandar Instruments Limited and VE Vencon Technologies identifiers added.

Revision 4.6, May 26, 2010

This edition reflects the following additions to the instrument vendor abbreviations table:
US Universal Switching Corporation identifier added.

Revision 4.7, August 2, 2010

This edition reflects the following additions to the instrument vendor abbreviations table:
CM CMC Labs identifier added.

Revision 4.8, October 18, 2011

This edition reflects the following additions to the instrument vendor abbreviations table:
AC Applicos BV identifier added.

Revision 4.9, October 19, 2012

This edition reflects the following additions to the instrument vendor abbreviations table:
FO fos4X GmbHidentifier added.

Revision 4.10, October 29, 2012

This edition reflects the following additions to the instrument vendor abbreviations table:
ML MIT Lincoln Laboratory identifier added.

Revision 4.11, October 30, 2013

This edition reflects the following additions to the instrument vendor abbreviations table:
LP LitePoint Corporation identifier added.

Revision 4.12, Nov. 7, 2013

This edition reflects the following additions to the instrument vendor abbreviations table:
ZT ZTEC Instruments identifier added.

Revision 4.13, Jan. 9, 2014

This edition reflects the following additions to the instrument vendor abbreviations table:
CI Cambridge Instruments identifier added.

Revision 4.14, Feb. 5, 2014

This edition reflects the following additions to the instrument vendor abbreviations table:
KT Reserved for Keysight Technologies (formerly part of Agilent Technologies).

Revision 4.15, Aug. 1, 2014

This edition reflects the following additions to the instrument vendor abbreviations table:
KT Keysight Technologies

Revision 4.16, Oct. 9, 2014

This edition reflects the following additions to the instrument vendor abbreviations table:
AX AMETRIX Instruments identifier added.

Revision 4.17, Jan. 14, 2015

This edition reflects the following additions to the instrument vendor abbreviations table:
IS Intepro Systems identifier added.

Revision 4.18, April 19, 2015

This edition reflects the following additions to the instrument vendor abbreviations table:
SP Spitzenberger & Spies GmbH & Co. KG identifier added.

Revision 4.19, April 20, 2015

This edition reflects the following additions to the instrument vendor abbreviations table:
ND Newland Design + Associates, Inc. identifier added.

Revision 4.20, November 14, 2016

This edition reflects the following additions to the instrument vendor abbreviations table:
PE PesMatrix Inc. identifier added.

Revision 4.21, December 15, 2016

This edition reflects the following additions to the instrument vendor abbreviations table:
RF ThinkRF Corporation identifier added.

Revision 4.22, December 19, 2016

This edition reflects the following additions to the instrument vendor abbreviations table:
HH Hoecherl & Hackl GmbH identifier added.

Revision 4.23, December 22, 2016

This edition reflects the following additions to the instrument vendor abbreviations table:
EX EXFO Inc. identifier added.

Revision 4.24, January 3, 2017

This edition reflects the following additions to the instrument vendor abbreviations table:
IT Instrumental Systems Corporation identifier added.

Revision 4.25, March 13, 2017

This edition reflects the following additions to the instrument vendor abbreviations table:
CE Instrumental Systems Corporation identifier added.

Revision 4.26, June 28, 2017

This edition reflects the following additions to the instrument vendor abbreviations table:
CE Chyng Hong Electronic Co., Ltd identifier added.

Revision 4.27, July 13, 2017

This edition reflects the following additions to the instrument vendor abbreviations table:
AT Astronics Test Systems Inc. identifier added.

Revision 4.28, Oct. 17, 2017

This edition reflects the following additions to the instrument vendor abbreviations table:
EA Elektro-Automatik GmbH identifier added.

Revision 4.29, Jan. 3, 2018

This edition reflects the following additions to the instrument vendor abbreviations table:
WZ Welzek identifier added.

Revision 4.30, Mar. 6, 2018

This edition reflects the following additions to the instrument vendor abbreviations table:
SI SignalCraft Technologies Inc. identifier added.

Revision 4.31, May 4, 2020

This edition reflects the following additions to the instrument vendor abbreviations table:
TP TSE Plazotta identifier added.

Revision 4.32, March 2, 2022

This edition reflects the following additions to the instrument vendor abbreviations table:
RQ Raditeq identifier added.

Revision 4.33, September 28, 2023

This edition reflects the following additions to the instrument vendor abbreviations table:
DK Druck Ltd identifier added.

Revision 4.34, December 12, 2023

This edition reflects one addition to Table 3-1: Instrument Vendor Abbreviations:

- LadyBug Technologies LLC – LB

Revision 4.35, August 8, 2023

This edition reflects additions to Table 3-1: Instrument Vendor Abbreviations:

- MKS Newport – NP
- BK Precision - BP

NOTICE

VPP-9: *Instrument Vendor Abbreviations* is authored by the IVI Foundation member companies. For a vendor membership roster list, please visit the IVI Foundation web site at `www.ivifoundation.org`.

The IVI Foundation wants to receive your comments on this specification. You can contact the Foundation through the web site at `www.ivifoundation.org`.

Warranty

The IVI Foundation and its member companies make no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The IVI Foundation and its member companies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

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Section 1
Introduction to the VXI*plug&play* Systems Alliance and the IVI Foundation

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The VXI*plug&play* Systems Alliance was founded by members who shared a common commitment to end-user success with open, multivendor VXI systems. The alliance accomplished major improvements in ease of use by endorsing and implementing common standards and practices in both hardware and software, beyond the scope of the VXIbus specifications. The alliance used both formal and de facto standards to define complete system frameworks. These standard frameworks gave end-users "plug & play" interoperability at both the hardware and system software level.

The IVI Foundation is an organization whose members share a common commitment to test system developer success through open, powerful, instrument control technology. The IVI Foundation's primary purpose is to develop and promote specifications for programming test instruments that simplify interchangeability, provide better performance, and reduce the cost of program development and maintenance.

In 2002, the VXI*plug&play* Systems Alliance voted to become part of the IVI Foundation. In 2003, the VXI*plug&play* Systems Alliance formally merged into the IVI Foundation. The IVI Foundation has assumed control of the VXI*plug&play* specifications, and all ongoing work will be accomplished as part of the IVI Foundation.

All references to VXI*plug&play* Systems Alliance within this document, except contact information, were maintained to preserve the context of the original document.

Section 2
Overview of Instrument Vendor Abbreviations Specification

2.1 Introduction

To uniquely identify all VXI*plug&play* components, filenames and function names begin with a two-character abbreviation that uniquely identifies the supplier of the component.

The two-character abbreviations are maintained by the IVI Foundation. Contact the IVI Foundation (admin@ivifoundation.org) to register a new vendor prefix. Vendors do not need to join the IVI Foundation to obtain a defined two-character abbreviation.

2.2 References

Several other VXI*plug&play* Systems Alliance documents and specifications are related to this specification. These other related documents include the following:

- VPP-1 *Charter Document*
- VPP-2 *System Frameworks Specification*
- VPP-3.1 *Instrument Drivers Architecture and Design Specification*
- VPP-3.2 *Instrument Driver Functional Body Specification*
- VPP-3.3 *Instrument Driver Interactive Developer Interface Specification*
- VPP-3.4 *Instrument Driver Programmatic Developer Specification*
- VPP-4.*x* *Virtual Instrument Software Architecture Specifications*
- VPP-6 *Installation and Packaging Specification*
- VPP-7 *Soft Front Panel Specification*

2.3 Conventions

The following headings appear on paragraphs throughout this specification. These headings give special meaning to the paragraphs.

Rules must be followed to ensure compatibility with the system framework. A rule is characterized by the words **SHALL** or **SHALL NOT** in bold upper case characters. These words are not used in this manner for any other purpose.

Recommendations contain advice to implementors. This advice affects the usability of the final device. Recommendations are included in this standard to draw attention to particular characteristics that the authors believe to be important to end-user success.

Permissions authorize specific implementations or uses of system components. A permission is characterized by the word **MAY** in bold upper-case characters. These permissions are granted to ensure that specific system framework components are well defined and can be tested for compatibility and interoperability.

A Note on the text of the specification: Any text that appears without heading should be considered a description of the standard and how the architecture was intended to operate. The purpose of this text is to give the reader a deeper understanding of the intentions of the specification, including the underlying model and specific required features. The implementor of this standard should ensure that a particular implementation does not conflict with the text of the standard.

Section 3
Instrument Vendor Abbreviations

3.1 Introduction

To uniquely identify all VXI*plug&play* components, filenames and function names begin with a two-character abbreviation that uniquely identifies the supplier of the component.

The two-character abbreviations are maintained by the IVI Foundation. A developer who wants a new prefix must notify the IVI Foundation. Vendors do not need to join the IVI Foundation to obtain a defined two-character abbreviation.

3.2 Instrument Vendor Abbreviations

RULE 3.1

The two-character abbreviations used for naming VXI*plug&play* components **SHALL** be as defined in Table 3-1, *Instrument Vendor Abbreviations*.

RULE 3.2

Additions to the Instrument Vendor Abbreviations table **SHALL NOT** require a vote of the general membership.

RULE 3.3

When new members are added to the Instrument Vendor Abbreviations table, the minor index of the revision of this specification **SHALL** be incremented.

Table 3-1. Instrument Vendor Abbreviations

Vendor	Two Character Abbreviation
Acqiris	AQ
Applicos BV	AC
Advantest Corporation	AV
Aeroflex Laboratories	AF
Agilent Technologies	AG
AIM GmbH	AI
AMETRIX Instruments	AX
AMP Incorporated	AM
Analogic, Corp.	AN

Vendor	Two Character Abbreviation
Ando Electric Company Limited	AD
Anritsu Company	AU
Astronics Test Systems Inc.	AT
AOIP Instrumentation	AO
ASCOR Incorporated	AS
Audio Precision, Inc	AP
B&B Technologies	BB
BAE Systems	BA
Bruel & Kjaer	BK
BK Precision	BP
Bustec Production Ltd.	BU
CAL-AV Labs, Inc.	CA
Cambridge Instruments	CI
C&H Technologies, Inc.	CH
Chyng Hong Electronic Co., Ltd	CE
CMC Labs	CM
Compressor Controls Corporation	CC
CYTEC Corporation	CY
Directed Perceptions Inc.	DP
Druck Ltd.	DK
DSP Technology Inc.	DS
EA Elektro-Automatik GmbH	EA
EIP Microwave, Inc.	EI
EXFO Inc.	EX
Fluke Company Inc.	FL
fos4X GmbH	FO
GenRad	GR
Giga-tronics, Inc.	GT
gnubi communications, Inc.	GN
Hewlett-Packard Company	HP
Hoecherl & Hackl GmbH	HH
Holding “Informtest”	UN
Intepro Systems	IS
IBEKO POWER AB	DV
IFR	IF
Instrumental Systems Corporation	IT
Instrumentation Engineering, Inc.	IE
Integrated Control Systems	IC
Keithley Instruments	KE

Vendor	Two Character Abbreviation
Kepco, Inc.	KP
Keysight Technologies	KT
Kikusui Inc.	KI
LadyBug Technologies LLC	LB
LeCroy	LC
LitePoint Corporation	LP
MAC Panel Company	MP
ManTech Test Systems	MT
Marconi Instruments	MI
Microscan	MS
MIT Lincoln Laboratory	ML
National Instruments Corp.	NI
MKS Newport	NP
NEUTRIK AG	NT
Newland Design + Associates, Inc.	ND
NH Research	NH
North Atlantic Instruments	NA
Pacific MindWorks, Inc.	PW
PesMatrix Inc.	PE
Phase Metrics	PM
Pickering Interfaces	PI
Picotest	PC
Power-Tek Inc.	PT
Racal Instruments, Inc.	RI
Raditeq	RQ
Radisys Corp.	RA
Rohde & Schwarz GmbH	RS
Schlumberger Technologies	SL
Scicom	SC
Scientific Research Corporation	SR
Serendipity Systems, Inc.	AU
SignalCraft Technologies Inc.	SI
Sony/Tektronix Corporation	ST
Spectrum Signal Processing, Inc.	SS
Spitzenberger & Spies GmbH	SP
Talon Instruments	TA
Tektronix, Inc.	TK
Teradyne	TE
Test & Measurement Systems Inc.	TS

Vendor	Two Character Abbreviation
ThinkRF Corporation	RF
Thurlby Thandar Instruments Limited Transmagnetics, Inc.	AT
Transmagnetics, Inc.	TM
TSE Plazotta	TP
TTI Testron, Inc.	TT
Universal Switching Corporation	US
Vencon Technologies Inc.	VE
Versatile Power	XR
Virginia Panel, Corp.	VP
VXI Technology, Inc.	VT
VXIbus Associates, Inc.	VA
Wavetek Corp.	WT
Wandel & Goltermann	WG
Welzek	WZ
Yokogawa Electric Corporation	YK
ZTEC	ZT