



NEWS RELEASE

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VITA Releases Summary of Ratified Standards

VITA Standards Organization advances 8 specifications to ANSI/VITA ratification

SCOTTSDALE, AZ, September 26, 2012 — VITA, the trade association for standard computing architectures serving critical embedded systems industries had several specifications reach ANSI recognition this summer. Eight specifications completed the process and reached full recognition under guidance of the VITA Standards Organization (VSO) since March.

ANSI/VITA 46.3-2012: VPX: 4x Serial RapidIO Signal Mapping

This specification supplements the VITA 46 base specification for VPX with the definition for the mapping of 4x Serial RapidIO signals to a VITA 46 connector.

ANSI/VITA 46.4-2012: VPX: PCI Express Signal Mapping

This specification supplements the VITA 46 base specification for VPX with the definition for the mapping of PCI Express signals to a VITA 46 connector.

ANSI/VITA 46.7-2012: VPX: 10Gbit Ethernet Signal Mapping

This specification supplements the VITA 46 base specification for VPX with the definition for the mapping of 10 Gbit Ethernet signals to a VITA 46 connector.

ANSI/VITA 62.0-2012: VPX: Power Supply

Defines the power generation requirements for a module that can be used to power systems that support a VITA 62 slot on the VPX backplane. VITA 62 uses the standard VPX 3U/6U form factor and complies to the requirements defined in VITA 48.0 for VPX REDI. VITA 62 has utility functionality that includes N+1 failover, VBAT and 50ms holdup. VITA 62 defines a set of connectors that mate with a VITA 62 compatible backplane such that VITA 62 module can be plugged into the backplane.

ANSI/VITA 67.0-2012: VPX: Coaxial Interconnect

This specification establishes a structure for implementing blind mate analog coaxial interconnects with VPX backplanes and plug-in modules, and to define a specific family of interconnects and configurations within that structure.

ANSI/VITA 67.1-2012: VPX: Coaxial Interconnect , 3U, 4 Position SMPM Configuration

This specification details the configuration and interconnect within the structure of VITA 67.0 enabling a 3U VITA 46 interface containing multi-position blind mate analog connectors with up to 4 SMPM contacts.

ANSI/VITA 67.2-2012: VPX: Coaxial Interconnect , 6U, 8 Position SMPM Configuration

This specification details the configuration and interconnect within the structure of VITA 67.0 enabling a 6U VITA 46 interface containing multi-position blind mate analog connectors with up to 8 SMPM contacts.

ANSI/VITA 51.0-2008 (R2012): Reliability Prediction

R2012 is an re-certification of the original 2008 document. This document provides an electronics failure rate prediction standard, and establishes a Community of Practice. It addresses the limitations of existing prediction practices with a series of subsidiary specifications that contain the "best practices" within industry for performing electronics failure rate predictions. The development of ANSI/VITA 51.0 and the subsidiary specifications is an effort to give the mean time between failure (MTBF) calculations consistency and repeatability.

The VSO currently has over 30 active working groups developing specifications for the next generation of specifications for critical embedded computing systems.

About VITA

Founded in 1984, VITA is an incorporated, non-profit organization of suppliers and users who share a common market interest in critical embedded systems. VITA champions open system architectures. Its activities are international in scope, technical, promotional, and user-centric. VITA aims to increase total market size for its members, expand market exposure for suppliers, and deliver timely technical information. VITA has ANSI and IEC accreditation to develop standards (VME, VXS, VPX, OpenVPX, VPX REDI, XMC, FMC, etc.) for embedded systems used in a myriad of critical applications and harsh environments. For more information, visit www.vita.com.

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