![VITA - Open Systems, Open Markets]

NEWS RELEASE

VITA Releases Summary of Ratified Standards

VITA Standards Organization advances 8 specifications to ANSI/VITA ratification last year

SCOTTSDALE, AZ, January 26, 2010 — VITA, the trade association dedicated to fostering American National Standards Institute (ANSI) accredited open system architectures in critical embedded system applications had several of its specifications reach ANSI recognition in the past year. A total of eight specifications completed the process and reached full recognition under the guidance of the VITA Standards Organization (VSO).

ANSI/VITA 41.6

VXS: 1x Gigabit Ethernet Control Channel Layer
ANSI/VITA 41.6 is a dot-specification to the VXS (VME Switched Serial) family that describes a method for implementing the 1X Gigabit Ethernet protocol as a control channel within the VXS architecture.

ANSI/VITA 42.0

XMC: Switched Mezzanine Card Base Specification
XMC is a new specification that defines an open standard for supporting high-speed, switched interconnect protocols on the PMC (PCI Mezzanine Card), an existing, widely deployed mezzanine form factor. ANSI/VITA 42.0 is the base specification for the XMC family of specifications.

ANSI/VITA 42.6

XMC: 10 GbE Ethernet 4-Lane Protocol Layer Standard

ANSI/VITA 42.6 is a dot-specification to the base XMC specification that defines an open standard for supporting high-speed, switched interconnect protocols with 10Gb Ethernet.

ANSI/VITA 46.10

VPX: Rear Transition Module

ANSI/VITA 46.10, is a dot-specification within the VPX family that defines a Rear Transition Module (RTM) format for VPX boards. This specification defines 6U and 3U Eurocard format rear transition modules suitable for air-cooled, ruggedized use. Also defined is a suitable high-speed connector family for use in these plug-in modules and provisions for power and I/O connections for the rear transition module.

ANSI/VITA 49.0

VITA Radio Transport (VRT)

The VITA Radio Transport (VRT) standard defines a transport-layer protocol designed to promote interoperability between RF (radio frequency) receivers and signal processing equipment in a wide range of applications. These include spectral monitoring, communications, radar, and others. In support of this variety of applications, the VRT protocol provides a variety of formatting options that allow the transport layer to be optimized for each application. VRT also enables high-precision timestamping to provide time synchronization between multiple receiver channels.

ANSI/VITA 49.1

VITA Radio Link Layer (VRL)

The VITA Radio Link Layer (VRL) standard, specifies an optional encapsulation protocol for ANSI/VITA-49.0 (VRT) packets.

ANSI/VITA 51.3

Qualification and Environmental Stress Screening in Support of Reliability Predictions

This specification reflects the "best practices" within the industry for performing cost effective qualification and environmental stress screening (ESS) to support valid reliability predictions and enhance electronics reliability. It is intended for use by plug-in unit suppliers and integrators. It

defines uniform practices for conducting Qualification Durability Environment Verifications and ESS.

ANSI/VITA 58.0

Line Replaceable Integrated Electronics Chassis
This standard provides the common requirements for a family of line replaceable integrated electronic assemblies designed to accommodate industry standard plug-in module formats including VPX and others.

"ANSI recognition reflects a tremendous amount of effort on the part of VITA members participating in the development of these specifications," stated Ray Alderman. "Technology evolves quickly in the industry represented by our members and we are committed to staying on the leading edge with our bodies of work."

The VSO currently has 24 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, XMC, FMC, etc) for embedded systems used in a myriad of critical applications and harsh environments. For further information, visit www.vita.com .

Source: VITA