



US Army Holocom PDS Standards

References and Technical Instructions:

The primary references PDS application for the USA Army

- National Security Agency (NSA) document NSTISSI No. 7003, December 1996
- Technical Guide for the Integration for Secret Internet Protocol Router Network (SIPRNet), version 5.0 dated August 2008.

Section 8.1.3 of this Technical Guide specifically addresses Raceway Solutions such as the Holocom PDS product as approved for use as a hardened distribution system as long as it meets all NSTISSI 7003 requirements.

Technical Guide descriptors as used are paraphrased below:

- A raceway provides an aesthetically pleasing appearance over conduit.
- Life Cycle Cost Savings are realized when a move, add or change is required.
- A raceway facilitates cable lay-in although some cable pulling is required at the fittings and enclosures.
- A raceway must use a ferrous-material, fully enclosed channel that securely houses cables transporting classified information.
- A raceway must have an interlocking design that secures all sections and pieces.
- Access into the raceway through one of the secured "wall-boxes" is required to unlock a section of the raceway.

Note this Technical Guide is not intended for OCONUS or Tactical SIPRNet implementation; however, an OCONUS addendum is being developed.

The Holocom Quality Assurance Checklist guides completion of a technically competent and aesthetic product installation and can be obtained by contacting the Holocom Technical Services Division. Finally if installation training and

certification is required by the US Army, the Holocom Technical Services Division is ready to assist. (See www.holocom.com.)

US Army Holocom Raceway Standards:

- The Army standard is all ferrous-material (Steel) raceway.
- Any non-standard raceway design (not in accordance with Technical Guidance) for CONUS requires approval in writing by the DAA to include acceptance of risk mitigation responsibility.
- All Army PDS design, standard or non-standard, must be approved by the Army CTTA per the August 2007 DAMI-CD Memorandum before design completion, material purchase and any work beginning.

US Army Holocom PDS Enclosure Standards:

- The standard is 16 Gauge Sheet-metal Enclosures.

US Army Holocom Epoxy Standards:

Effective October 23, 2009, BGen Napper, CG 7th Signal Command, released a waiver that epoxy is no longer necessary when installing the Holocom PDS product "exclusively by Holocom certified technicians". This waiver applies to all CONUS commands where the DOIM/NEC falls under the technical and administrative control of 7th Signal Command.

If the DOIM/NEC still desires to use epoxy, notwithstanding this waiver, then the following standards should apply:

- Paragraph 8.1.3.2 of the Technical Guide requires that..."Each section of the raceway...be sealed by...epoxy material:
- This includes all seams on the base and the top cover, and all adjoining connectors (elbows, T's, angles, etc.).
- The entire length of raceway seams must be sealed. For raceway using a top cap, this applies to both sides of the top cap.
- US Army standards do not specify an opaque or a "translucent" epoxy.
- For aesthetic reasons Holocom prefers and normally offers a "translucent" epoxy that is sag resistant when applied and cures rapidly.
- The accepted method of epoxy application is a bead of epoxy around and along all connector and raceway seams.

- Use of epoxy to seal connector seams should include the door of the Universal Connector as there is no Sargent & Greenleaf lock being used.
- There is no requirement for epoxy where the Interface Sleeve Flange contacts an "end user" or similar enclosure.
- Epoxy application standards, techniques and specifications are easily obtained from the Holocom Technical Services Division.

CONUS/OCONUS Standards

Note that ISEC and CTTA definitions of CONUS and OCONUS differ where Hawaii and Alaska are concerned.

As standards decisions are being reviewed, we recommend that the end user ask for current guidance when submitting for review a requirement for PDS.

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