WHAT IS THE DAS STANDARD FROM BICSI?

From architecture and design to deployment and implementation, the BICSI standards for distributed antenna systems (DAS) provide guidelines and best practices for deploying a system to augment existing wireless service. As a group of spatially separated and distributed antennas, DAS extend service indoors by relaying a cellular signal from a device to a carrier’s system.

The ANSI/BICSI 006-2015 standard outlines the requirements of superior performing systems as well as requirements and recommendations for the design and installation of standards-compliant, manufacturer-agnostic systems. The standard:

- Provides uniform project installations
- Ensures design consistency
- Sets a minimum level of installation/design proficiency
- Provides information for better system performance
- Sets minimum standards for hardware performance

WHY IS IT IMPORTANT?

The use of standards as best practices for DAS implementation affords designers and installers an opportunity to enhance their knowledge of quality DAS.

SCOPE OF STANDARD – ANSI/BICSI 006-2015

- Description of typical DAS
- Components used within a DAS
- Types of host systems
- Compliance and integration with codes, standards and legal concerns
- Coordination with host systems
- RF system design methods
- EMC and RFI mitigation
- Designer, installer and service personnel qualifications
- Administration, labeling and documentation
- Inspection, testing and maintenance

Limitations

The DAS standard is applicable to all signal source technologies; this standard does not specifically address Wi-Fi or WiMAX.

Source: BICSI-006-2015
WHY ANIXTER?

- Our staff of experienced wireless experts can help guide you through the deployment process.
- With a technical sales force and experts in our Technology Support Services team we are devoted to cabling and security solutions.
- We have the broadest infrastructure offerings to fit your current and future industrial communication and control, network cabling, security application, data center and enterprise cabling needs.
- Our footprint supports our customers’ and suppliers’ operations around the globe.

CODE REQUIREMENTS

- Review local code requirements with the authority having jurisdiction.
- It should be included in scope of work documents.
- If there is no local code, check with the fire department to find which authority has responsibility for that geographic area.
- NFPA72 (National Fire Alarm and Signaling Code) recommends specific requirements for public safety DAS (radio systems).
- International Code Council (ICC) has similar recommendations.

Contact your local Anixter sales rep or visit anixter.com/wireless.

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