

# PUBLIC SAFETY

DISTRIBUTED ANTENNA SYSTEM


PROVIDING IN-BUILDING WIRELESS COMMUNICATIONS  
FOR OUR FIRST RESPONDERS IS OUR TOP PRIORITY



**TELECO**<sup>®</sup>  
COMBINING TECHNOLOGIES

# WHAT IS PUBLIC SAFETY DAS?

Public Safety DAS utilizing BDA\* technology provides enhanced two-way radio service via an antenna system. This ensures that our first responders can maintain wireless communications within a building during medical emergencies, fires, natural disasters and other life-threatening events.



CODE CALLS FOR 99% COVERAGE IN CRITICAL AREAS SUCH AS THE FIRE COMMAND ROOM, FIRE PUMP ROOM, STAIRWELLS AND ELEVATORS. FOR ALL OTHER SPACES, THE COVERAGE REQUIRED IS 95%.

**TELECO WILL EVALUATE YOUR BUILDING TO MAKE SURE MANDATORY REGULATIONS ARE MET**

**There's good reason that in many areas BDA's are now a CODE DRIVEN REQUIREMENT. During 9/11, firemen and police officers couldn't communicate properly inside the World Trade Center. This triggered changes to the IFC and NFPA codes greatly improving communications for first responders ensuring their radios work wherever they go.**

Many cities and counties in the US have enacted local ordinances and codes making in-building coverage for first responders mandatory. With these regulations **every new building must meet a minimum level of first responder communication reliability as a condition for occupancy.** It is the responsibility of the building's owner or operator to have their building tested by a certified Public Safety DAS professional. If required, they must have a system installed and ensure it passes all code specifications.

Understanding these local codes is imperative since every jurisdiction has slightly different ordinances. Some states have drafted their own statutes to govern Public Safety Communications. Many municipalities are adopting the language in the IFC and NFPA codes as basis for their interpretation. That means that the location of your building and the relevant local authority dictates which codes must be followed.


**THE PUBLIC SAFETY DAS SYSTEM MUST BE ABLE TO PASS THE COMMISSIONING TEST, ACCEPTANCE TEST AND ANNUAL SYSTEM PERFORMANCE AND BATTERY BACK-UP TESTS.**

When it comes to building codes for Public Safety DAS, the IFC and NFPA are the most commonly used standards. Understanding these is critical as the building and the Public Safety DAS must meet all requirements to pass the inspection.

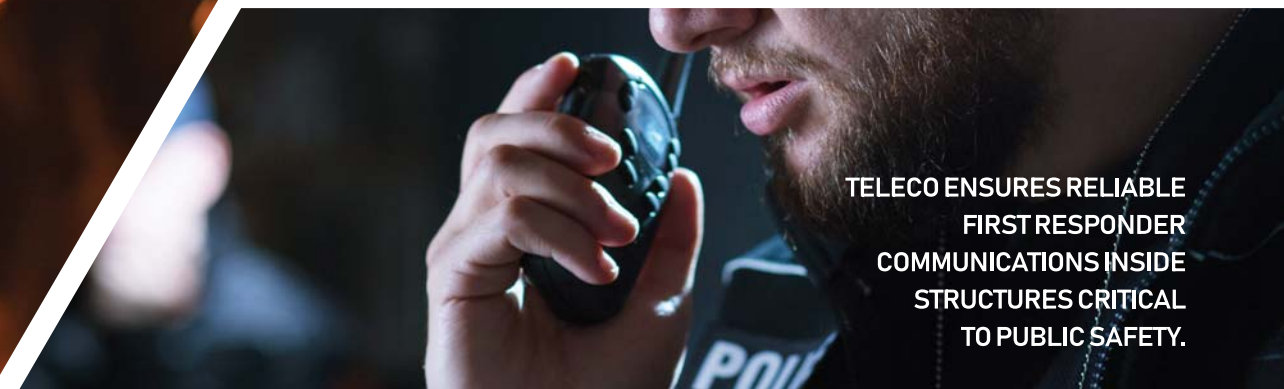
\* A BDA (Bi-directional Amplifier) system is an in-building communication system that brings wireless signals into the structure from outside, amplifies those signals with a signal booster, and then evenly distributes the amplified signals via a Distributed Antenna System (DAS).

# WHY TELECO PUBLIC SAFETY DAS?

Our FirstNet™ compatible and scalable systems are trusted by the professionals that depend on them when responding to an emergency. Our team of Public Safety DAS engineers will install a system that complies with the first responder radio coverage requirements.



WITHOUT A SPECIFIC PUBLIC SAFETY DAS,  
DEAD ZONES MAY EXIST THAT COULD LIMIT  
FIRST RESPONDERS FROM DOING THEIR JOB.  
TELECO DAS EXTENDS  
WIRELESS COVERAGE THROUGHOUT A  
BUILDING'S DIFFICULT ENVIRONMENT.



TELECO ENSURES RELIABLE  
FIRST RESPONDER  
COMMUNICATIONS INSIDE  
STRUCTURES CRITICAL  
TO PUBLIC SAFETY.

TELECO, a leader in combined technologies, is registered with the Federal Communications Commission (FCC). We work closely with the Authority Having Jurisdiction (AHJ) and fire professionals to provide an approved system that meets their requirements. We test a building with industry calibrated equipment to gain an understanding of the signal strength and we target only areas needing enhancement in order to keep costs to a minimum. We use manufacturer-trained, certified installation and commissioning technicians to design Public Safety DAS utilizing tools such as AutoCAD® and iBwave®. Additionally, we serve as the owner's representative and interact with other trades.

**DEADLINES ARE APPROACHING MANDATING TESTING AND TOTAL COMPLIANCE FOR EXISTING BUILDINGS. TELECO'S ENGINEERS CAN DESIGN AND INSTALL A PUBLIC SAFETY DAS ENSURING YOUR BUILDING MEETS LOCAL JURISDICTION STANDARDS. CONTACT US TO EVALUATE YOUR BUILDING PRIOR TO RECEIVING A NOTICE OF VIOLATION FROM THE FIRE INSPECTOR.**

## ABOUT TELECO

Founded in 1981, TELECO is located in Greenville, SC. TELECO offers Cellular and Public Safety DAS, Unified Communications as a Service, Business Phones, TELECO's Perfect View™ Video Surveillance and Building Access Control, Structured Cabling and Managed IT. With over 350 Authorized Dealers and 2000 Affiliates across North America, you can rest assured that you are in good hands with TELECO.

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