

# TOP COMPLIANCE REQUIREMENTS THAT IMPACT YOUR BDA PROJECT

MOST CITIES IN THE UNITED STATES HAVE ENACTED CODES THAT REQUIRE IN-BUILDING RADIO COVERAGE SYSTEMS FOR FIRST RESPONDERS. THE STATE OF FLORIDA ENACTED STATE STATUTE 633.202 IN MARCH 2016 THIS EFFECTS ALL NEW CONSTRUCTION AND REMODELING PROJECTS THAT INCREASE C/O BY 20% OR MORE. IT ALSO STIPULATES THAT ALL PRE-EXISTING COMMERCIAL BUILDINGS MUST EITHER FILE A PERMIT OR HAVE A CERTIFICATE OF COMPLIANCE BY DECEMBER 31, 2019. THE LAST PHASE AFFECTS ALL PRE-EXISTING RESIDENTIAL BUILDINGS WHICH MUST EITHER FILE A PERMIT OR HAVE A CERTIFICATE OF COMPLIANCE BY DECEMBER 31, 2022.



**PUBLIC SAFETY SIGNAL BOOSTERS MUST MEET FCC GUIDELINES, AND OFTEN MUST COMPLY WITH INTERNATIONAL FIRE CODE OR NATIONAL FIRE PROTECTION ASSOCIATION STATUES.**

**ABOUT 95% OF PUBLIC SAFETY SYSTEMS WITH FIRST-RESPONDER IN-BUILDING WIRELESS RADIO COVERAGE DID NOT MEET EXISTING OR IMPENDING FIRE CODES FROM THE NFPA AND IFC.\***

\* FROM [HTTP://WWW.HETNETMAG.COM/HOME/2016/2/24/FOUR-COSTLY-PUBLIC-SAFETY-DAS-MISTAKES-YOURE-ABOUT-TO-MAKE-1](http://www.hetnetmag.com/home/2016/2/24/four-costly-public-safety-das-mistakes-youre-about-to-make-1)

**95%**

**IFC 510 REQUIRES 95% AND NFPA 72, CHAPTER 24 REQUIRES 95% IN-BUILDING WIRELESS SIGNAL COVERAGE.**



**COVERAGE MUST BE TESTED IN A 40-GRID PROCESS USING THE LOCAL MUNICIPALITY CONTROL CHANNEL.**



**IN ADDITION, NFPA REQUIRES 99% WIRELESS SIGNAL COVERAGE FOR CRITICAL AREAS LIKE FIRE PUMP ROOMS, EXIT STAIRS, AND PASSAGeways, AND ELEVATORS.**

**EQUIPMENT SUPPORTING PUBLIC SAFETY RADIO SYSTEMS MUST BE ABLE TO OPERATE UP TO 24 HOURS ON A BACKUP BATTERY.**

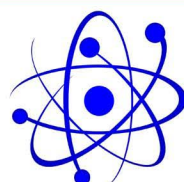


**MINIMAL SIGNAL STRENGTH OF -95 DB FOR TWO-WAY RADIOS.**



**BDAS MUST WORK IN HIGH HEAT AND HUMIDITY, AND WITHSTAND DIRECT WATER SPRAY FROM A FIRE HOSE.**

**PROTON ELECTRIC SERVICE IS YOUR TOTAL SOLUTION PROVIDER FOR EMERGENCY LIFE SAFETY COMMUNICATION THAT INSURES QUALITY OF AUDIO FOR OUR FIRST RESPONDERS BOTH FIRE & POLICE DEPARTMENTS.**



**PROTON**  
ELECTRIC SERVICE, LLC.

**REQUIRED STEPS TO PUT YOUR BUILDING IN COMPLIANCE:**

- #1 GRID RADIO FREQUENCY TESTING
- #2 ENGINEERING-DESIGN-PERMITTING
- #3 FINAL SIGN OFF BY LOCAL JURISDICTION