

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.*

95%

* 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)

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.



- REQUIRED STEPS TO PUT YOUR BUILDING IN COMPLIANCE!**
- #1 GRID RADIO FREQUENCY TESTING
 - #2 ENGINEERING-DESIGN-PERMITTING
 - #3 FINAL SIGN OFF BY LOCAL JURISDICTION