

Contractor Permit Submission Requirement Checklist

Emergency Responder Radio Coverage System Install

1. Provide installation plans, including data sheets for all materials to be used in design, that meet IFC and FCC requirements to allow amplification without generating any interference to any license radio service.

Installation of all ERRCS, to include rooftop antenna components and all required electrical wiring, antenna cables, conduits, bonding, grounding, and lightning protection shall be in compliance with all-applicable City of Mobile adopted building and fire codes. All rated components will be noted in submission.

2. Floor plan layout showing locations of all devices, control equipment, and supervising station and shared communications equipment with each sheet showing the following:
 - a. Point of compass (north arrow)
 - b. A graphic representation of the scale used
 - c. Room use identification
3. Provide illustration of the label with the words “ERRCS – Emergency Responder Radio Coverage System” to be installed at the BDA enclosure. Include in this illustration where the instructions on disabling the ERRCS will be posted in case of radio interference and the location of the over-ride switch. The over-ride switch will be required to be labeled with the words “ERRCS Remote Over-Ride Switch” illustrate the location of this label in association with the location of the switch.
4. Provide data sheets on the document box to house the Letter of Authorization to retransmit on the Public Safety Radio Frequency, required to be fire rated. Use of the fire alarm document box is permitted.
5. Provide alarm interface plan, including monitoring equipment and monitoring signaling matrix. Functions monitored shall include: donor antenna failure, BDA failure, AC power failure, battery failure, and battery charger failure. Monitoring at a minimum shall sound an audible signal at a constant attended location. Where a fire alarm system is installed, these fault modes will be required to be transmitted to the fire alarm system and displayed

on the annunciator panel. The panel display will read ERRCS failure and identify the specific ERRCS fault mode. The panel will transmit a supervising signal to the monitoring company.

6. Provide documentation of meeting FCC requirements (some of the following information will be required to be provided in coordination with installation)
 - a. ERRCS designers and installers shall only use boosters (also known as BDAs) that are type-certified by the FCC. Reference FCC Title 47, Part 90, Section §90.219 (Use of Signal Boosters).
 - b. Per §90.219, the FCC requires that specific documentation be issued to an ERRCS operator that allows the ERRCS system to operate on licensed radio frequencies. Once the ERRCS installation plan has been approved, a Letter of Authorization to Re-transmit will be issued to the building owner/manager to cover this requirement. This Letter of Authorization should be stored or displayed prominently on or near the ERRCS enclosure. The Authorization Letters are valid for one year and must be reissued at each annual re-inspection required by IFC.
 - c. Installer will be required to enter any Class B ERRCS installed in the City of Mobile into the FCC Signal Booster Database. Accessed online at: www.fcc.gov/signal-boosters/registration
 - d. This requires the installer to hold/obtain a FRN. This can be obtained from the FCC CORES system online at: <https://apps.fcc.gov/coresWeb/publicHome.do>
 - e. The installer is required once the Class B ERRCS has been registered in the database, the FCC issued registration, including the Booster ID shall be forwarded to the City of Mobile CRR Division. There is no FCC requirement for registration of Class A boosters.

* No ERRCS shall transmit on any public safety frequency until the Letter of Authorization to Re-transmit has been issued by the City of Mobile CRR Division. Additionally, for any Class B ERRCS, the ERRCS shall not transmit on any frequency until the ERRCS has been registered in the FCC database and the Booster ID number reported to the Fire Marshal's Office.

7. Provide documentation of the Installer meeting Minimum Personnel Qualification Requirements (Obtain ERRCS Annual Permit).
 - a. Valid FCC-issued general radio operator's license.
 - b. Valid FRN-issued 10-digit number that is assigned to a business or individual registering with the FCC
 - c. Certification of in-building system training issued by a nationally recognized organization, school or a certificate issued by the manufacturer of the equipment being installed.