



**TRAVIS COUNTY
EMERGENCY SERVICES DISTRICT 5**

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Fire Code Official / Risk Reduction Officer

TO: Travis County ESD 5 Customers

SUBJECT: **INFORMATION BULLETIN 011**
Emergency Responder Communication Coverage Systems (ERCCS)

DATE: July 8, 2026

CREATED BY: Travis County ESD 5 Fire Code Official

Purpose:

The Fire Code Official for Travis County ESD 5 (TCESD5) has created this bulletin, pursuant to Section 2(d) of the adopting ordinance and Section 104.1 of the adopted fire code, to assist new **AND** existing property and building owners/developers. Pursuant to Section 510.1 of the Adopted Fire Code of Travis County ESD 5, adequate emergency responder radio coverage is required in all new **AND** existing buildings within Travis County ESD 5. This Information Bulletin incorporates the department's process for submitting applications to the fire code official, electronically through www.tcesd5permits.com

Code/Statute References:

2021 Fire Code of Travis County Emergency Services District 5 / Manchaca Fire Rescue, published by the ICC (Section 104.1 / 510.1); Travis County ESD 5 Ordinances 2025-08-14-01; 2025-08-14-02; 2025-09-11-01; IFC 2024: NFPA 1225-2022 Edition.

Scope:

Modern construction methods and materials often cause blockage or degradation to the operation of wireless communication devices used by public safety agencies when their personnel respond to emergencies within certain types of buildings. To ensure that emergency responders can communicate by radio devices, TCESD5 requires that new and existing buildings be constructed to meet the Fire Code requirements as stated in the District's adopted fire code.

Public safety radio communication systems are generally designed and built to penetrate

lightly constructed buildings. However, large, heavily constructed buildings often have “dead spots” which cannot be reached unless special radio signal amplification equipment is installed. To achieve Fire Code compliance, such in-building “signal boosters” (also known as “distributed antenna systems,” or “DAS” or “ERCCS”) will likely be required.

Pursuant to Section 510.1 **Emergency responder communication coverage (ERCCS) in new and existing buildings**. Except as otherwise provided, no person shall erect, construct, or modify any building or structure, or any part thereof, or cause the same to be done which fails to support adequate radio coverage for county/city public safety services, including but not limited to police, fire, and public works departments. A Certificate of Compliance or Certificate of Occupancy may not be issued for any building or structure which fails to comply with this requirement. The frequency range which must be supported shall be 800 MHz range, or as otherwise established and required in writing by the fire code official as being necessary for public safety purposes. For the purposes of this code, adequate radio coverage shall be a minimum signal level of DAQ 3 (Delivered Audio Quality #) available in 95% of the area as agreed to be in the coverage acceptable test plan by the *fire code official* and the radio system manufacturer prior to system testing.

Pursuant to Section 105.6.4 and 510.3 of the Adopted Fire Code of Travis County Emergency Services District 5, a permit is required for the installation or modification to in-building, two-way ERCCS and related equipment.

Although the District has adopted the 2021 IFC with our amendments, we prefer the ERCCS to be designed to the 2024 IFC referenced NFPA standard: NFPA 1225-2022 Edition. Please make this “official” request in your permit submittal notes.

To apply for the required permit(s), please review IB 001 – Plan Submittal Requirements and Third Party Review. **This plan review requires a Third-Party Reviewer.** To submit for a permit, please follow these instructions (also listed in IB 001):

1. **Register/Login:** Applicants must register for a login to our online submittal system at www.tcesd5permits.com. Click the Login or Register button at the top right of the web page. First time users will need to register. A valid email address is required.
2. **Fees must be paid:** We accept electronic payments online during the submittal process. Payments can also be made either over the phone (credit cards) or in person at our office, which is located at 665 FM 1626, Austin, TX 78748. Our hours are Monday through Friday from 9a to 5p. Our fee schedule is posted on our website at www.tcesd5.org or in the Resources section at www.tcesd5permits.com. Checks and money orders shall be made payable to the Travis County ESD 5.
3. **Submittal information required.** The following information is required to be uploaded with your permit submittal:

- System design plans conforming to the Adopted Fire Code of Travis County ESD 5 Section 510 / 510.4.2.7. Document specifications must follow the requirements outlined in IB 001: Plan Submittal Requirements.

The following frequency table is provided for design and compliance:

<u>TX Frequency</u>	<u>Rx Frequency</u>		<u>TX Frequency</u>	<u>Rx Frequency</u>
<u>851.0375</u>	<u>806.0375</u>		<u>851.0625</u>	<u>806.0625</u>
<u>851.1625</u>	<u>806.1625</u>		<u>851.1375</u>	<u>806.1375</u>
<u>851.2875</u>	<u>806.2875</u>		<u>851.3125</u>	<u>806.3125</u>
<u>851.4125</u>	<u>806.4125</u>		<u>851.3875</u>	<u>806.3875</u>
<u>851.5625</u>	<u>806.5625</u>		<u>851.5875</u>	<u>806.5875</u>
<u>851.7125</u>	<u>806.7125</u>		<u>851.7375</u>	<u>806.7375</u>
<u>851.8125</u>	<u>806.8125</u>		<u>851.8375</u>	<u>806.8375</u>
<u>851.9250</u>	<u>806.9250</u>		<u>852.1625</u>	<u>807.1625</u>
<u>852.0875</u>	<u>807.0875</u>		<u>852.1875</u>	<u>807.1875</u>
<u>852.1125</u>	<u>807.1125</u>		<u>852.4125</u>	<u>807.4125</u>
<u>852.3125</u>	<u>807.3125</u>		<u>852.6375</u>	<u>807.6375</u>
<u>852.3375</u>	<u>807.3375</u>		<u>852.6875</u>	<u>807.6875</u>
<u>852.5750</u>	<u>807.5750</u>		<u>852.9500</u>	<u>807.9500</u>
<u>852.6000</u>	<u>807.6000</u>		<u>853.0500</u>	<u>808.0500</u>
<u>852.8250</u>	<u>807.8250</u>		<u>853.2750</u>	<u>808.2750</u>
<u>852.8500</u>	<u>807.8500</u>		<u>853.3250</u>	<u>808.3250</u>
<u>853.1000</u>	<u>808.1000</u>		<u>853.5500</u>	<u>808.5500</u>
<u>853.1250</u>	<u>808.1250</u>		<u>853.5750</u>	<u>808.5750</u>
<u>853.3625</u>	<u>808.3625</u>		<u>853.8250</u>	<u>808.8250</u>
<u>853.4250</u>	<u>808.4250</u>		<u>853.8500</u>	<u>808.8500</u>
<u>853.6250</u>	<u>808.6250</u>		<u>855.2375</u>	<u>810.2375</u>
<u>853.6875</u>	<u>808.6875</u>			
<u>853.8750</u>	<u>808.8750</u>			
<u>853.9500</u>	<u>808.9500</u>			

This information bulletin covers all properties within Travis County ESD 5 and is intended to clarify requirements per the effective date of the District's adopted fire code (October 1, 2025). This bulletin remains in effect until further notice. Should you have any questions on this policy, please call the TCESD5 Fire Code Official's office at 512-640-8273.

Summary:

This Information Bulletin is for informational purposes only.

Prepared by: Nathan Mendenhall, Risk Reduction Officer/TCESD 5 Fire Code Official