

## 800 MHz Trunked Regional Public Safety Radio System Standards, Protocols, Procedures

Document Section:	<b>Managing Full Participation</b>	CMNRAC Review – Signature:
Sub-Section:	<b>CM 1.10.2</b>	
Procedure Title:	<b>Configuration Approval</b>	
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### 1. **Purpose or Objective**

To establish a procedure for obtaining approval of the technical design configuration developed by an entity requesting full participation in the region-wide 800 MHz digital trunked system.

### 2. **Technical Background:**

- **Capabilities**

The technical design must be consistent with and capable of operating on the backbone of the region-wide 800 MHz system.

- **Constraints**

The design plan must be APCO Project-25 compliant and be consistent with the capacity constraints of the system.

### 3. **Operational Context:**

When the governing board of an eligible entity decides it wishes to participate in the region-wide 800 MHz system, this protocol provides guidelines for developing a design plan that is compatible with the overall plan adopted by the Central Minnesota Regional Radio Board (CMNRRB).

### 4. **Recommended Protocol/ Standard:**

As part of its request for full participation the requesting agency shall submit a design document to the Central Minnesota Regional Radio Board, providing complete details on its plan for full participation in the region-wide 800 MHz system. The plan shall be subject to a review process, including but not limited to review by the Central Minnesota Regional Advisory Committee (CMNRAC), by a qualified consulting professional engineer, by the Minnesota Department of Transportation, Department of Electronic Communication (The system operators), and by the CMNRRB and its staff.

**5. Recommended Procedure:**

*The requesting entity should, as part of its planning process, retain the services of a qualified consulting engineer. Ideally the individual retained should be familiar with the region-wide 800 MHz system and APCO Project 25 digital trunked standards for 800 MHz systems.*

*A design team consisting of a representative of MnDOT's technical staff, the consulting engineer retained by the entity, the chosen equipment vendor, and a representative of the CMNRRB's Regional Advisory Committee should be involved in the development of the design plan.*

When the design team is satisfied that the plan meets the constraints of the region-wide system and is compliant with the standards inherent in the system, the design plan should be submitted to the Central Minnesota Regional Radio Board as part of its formal request for participation.

**6. Management**

*The governing board of the requesting agency and its designated project leader are responsible for managing this procedure. The Executive Director and staff of the Central Minnesota Regional Radio Board will provide assistance and advice.*