

# Town of Scarborough, ME

RFP #152026

## Municipal Two-Way Radio Communications System Upgrade

### ADDENDUM #4

November 10, 2025

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**1. QUESTION-1: Has Regulatory Review (SHPO, NEPA) been completed by the Town on sites are existing, either tower or rooftop?**

ANSWER: At this time, the Town has no record of any SHPO or NEPA studies.

The Contractor is responsible for the proposed tower design and implementation, including all regulatory, environmental, and permitting obligations. This includes preparing and submitting all required documentation as part of the overall design, planning, and construction of the tower and associated site facilities. Submittals shall address all applicable regulatory requirements, including but not limited to NEPA, NHPA-106, FCC, FAA, and all local zoning, building, wireless, and permitting provisions.

The Town will assist as needed, including coordination with local officials, issuance of letters of authorization, and participation in public review processes. If necessary, the Town will pursue modifications, exemptions, or amendments to the Wireless Ordinance [attached; Section IX-F] to accommodate its public safety radio communications upgrade. However, the Contractor remains solely responsible for preparing and submitting all regulatory documentation and for obtaining all required applications, permits, and approvals from the governing authorities.

**2. QUESTION-2: Have any MPE analysis (ensures safety limit of RF exposure) been completed for the proposed or existing sites?**

ANSWER: To the best of the Town's knowledge, no MPE calculations exist for any of the sites.

**3. QUESTION-3: RFP says in section 8.1 that contractor shall be responsible for conducting and providing a detailed structural analysis of all existing tower structures and rooftop antenna support systems where new equipment is proposed to be installed.**

**Is a structural analysis required on structures (tower / rooftop) where antennas are simply being swapped out?**

ANSWER: The Contractor is in the best position to assess whether a structural analysis is required based on the specific equipment they are proposing or any structural concerns identified by the Contractor or its structural engineer. This includes consideration of antennas, mounts, brackets, transmission lines, and all associated hardware. The Contractor shall determine whether a full structural analysis is necessary to ensure continued compliance with the TIA-222 structural standard and all applicable safety requirements. In cases where a full analysis is not warranted, a stamped letter from a licensed structural engineer confirming structural adequacy will be acceptable.

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4. **QUESTION 1 - Section 6.4 & 6.13 references support for Computer Aided Dispatch [CAD] interfaces; Automatic Vehicle Location [AVL] interfaces & Global Positioning System [GPS] location capability for subscribers. Please identify CAD vendor(s), protocol/API expectations, and integration specifics and further clarify the requested subscriber GPS/AVL option.**

ANSWER: CAD: The Town uses New World Enterprise 2025-1 CAD as its primary dispatch platform.

The Contractor shall provide a supported interface that enables New World CAD to receive real-time trunked system metadata. New World CAD does not natively support P25 trunked metadata and requires the Contractor to convert trunked-system events into New World-compatible XML or JSON messages delivered through the CAD's Message Switch interface.

The interface shall include the following real-time operational data from the P25 system.

- Unit ID activity
- Affiliation events (unit to talkgroup/site)
- Emergency alert/de-alert events
- PTT activity (talkgroup, timestamp, source ID)
- Unit status changes (if supported by the radio template)
- Call alerts / radio checks (if enabled and permitted by the Town)
- System alarms/notifications relevant to CAD operations (e.g., site trunking, failover conditions, channel grants if applicable)

**Existing AVL environment:** The Town's CAD system currently receives AVL location data via cellular modem-based mobile data terminals. This workflow shall remain the primary and supported AVL method for all mobile units.

**Potential future AVL environment:** The Town will continue using its existing mobile AVL as the primary and supported method within New World CAD. However, the P25 system shall also be capable of supporting optional, future subscriber-based GPS/AVL. As an Option, bidders shall identify the components and estimated costs required to enable this capability at a later date.

The Town may elect to enable portable based GPS/AVL in which portables transmit location on each PTT activation. To support this potential future option, the Contractor shall confirm that the P25 system and subscriber radios can send PTT triggered GPS data to a vendor-supplied software component/middleware that will format location data to New World CAD using Tyler's standard JSON/XML GPS interface. This feature shall be priced separately as an option, with no subscriber GPS included in the base project.

If implemented, portable GPS/AVL delivered to the P25 system will appear in New World CAD the same way mobile AVL does today. The converted portable radio based GPS interfaced the same Tyler GPS format used by the mobile cell modem AVL, allowing portable and mobile units to display together on a single CAD map without separate interfaces.

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**5. QUESTION 2 – Addendum #3/Question-6 mentions SCADA radios and sites. Please clarify the expectations for SCADA in more detail.**

ANSWER: The Contractor shall retain the existing RTU/PLC at each pump station. All SCADA control hardware, I/O, and programming shall remain unchanged; only the legacy UHF modem link is to be replaced. The Contractor shall furnish and install the gateway equipment and P25 data subscriber units needed to interface the RTUs/PLCs to the proposed trunked radio system. The gateway shall support RS-232/485 and Ethernet interfaces and provide transparent transport of all SCADA telemetry protocols, including any vendor-specific serial framing.

SCADA traffic shall be carried over the trunked system's data bearer with appropriate priority/QoS, and polling, alarms, and control functions shall perform equal to the legacy UHF system. The Contractor shall provide all required interfaces, power, cabling, adapters, and configurations.

**6. QUESTION 3 – Section 6.0 references the intended use of 800MHz NPSPAC channels. In the event spectrum scarcity prevents this would alternatives be allowed?**

ANSWER: While Section 6.0 identifies 800 MHz NPSPAC channels as the intended primary spectrum. Should NPSPAC spectrum cannot be secured due to scarcity or coordination constraints, the Town will consider suitable options.