SALIENT CHARACTERISTICS LISTING

Giant Voice Indoor Mass Notification System Upgrade

PAANG Unit / Directorate:	193 SOW/CP
Date of Specification:	7 Jul 26
Nomenclature / Title:	Giant Voice Indoor Mass Notification System Upgrade
Document Status:	Draft Procurement Specification

1. PURPOSE

The purpose of this procurement is to upgrade the Indoor Remote Terminal Units (RTUs) of the Giant Voice system. This upgrade ensures that indoor voice notifications seamlessly match and correlate with the outdoor units that were previously upgraded in 2020.

2. SCOPE OF WORK

The contractor shall provide all materials, labor, and support necessary to replace 20 UVic Controllers and 20 Digital Voice Chips, program the systems, test for proper operations, and provide comprehensive onsite training to designated personnel.

3. DELIVERY LOCATION AND DELIVERY DATE

This equipment shall be delivered to 81 Constellation Court, Middletown, PA 17057. not later than 1 Oct 26.

4. QUANTITY REQUIRED

The procurement requires a single (1) complete lot containing the following components:

Component Description	Suggested Part Number	Quantity
PCBA UV Controller	Federal Signal Part #Q2005698G	20 EA
Digital Voice SD Card	Federal Signal Part #DVSD	20 EA
Digital Voice Copy	Federal Signal Part #DVR-COPY	1 EA

5. SPECIFICATIONS REQUIRED

The contractor must satisfy the following technical specifications and salient characteristics for each requested item to ensure system integrity and operational readiness:

5.1 Hardware

The contractor must supply exactly 20 PCBA UV Controllers, 20 Digital Voice SD Cards, and 1 Digital Voice Copy. All hardware must match the physical dimensions, capacity, and electrical specifications required to interface directly with the existing indoor Remote Terminal Units (RTUs).

5.2 Compatibility

All indoor RTU components must seamlessly integrate, communicate, and correlate with the existing Federal Signal outdoor units upgraded in 2020. This is an essential operating condition to maintain unified system-wide voice and signal synchronization.

5.3 Installation & Configuration

The contractor must physically replace the 20 UVic controllers and 20 Digital Voice chips. The contractor is responsible for correctly setting TX/RX levels and programming the indoor RTUs to perfectly match the operational profiles of the outside RTUs.

5.4 Testing & Training

The contractor must conduct full-system testing to ensure proper operation under all environmental and service conditions. Upon successful completion of testing, the contractor shall provide the customer with comprehensive onsite training and detailed operation instructions.

5.5 Vendor Qualifications

The vendor must be certified/trained through Federal Signal's Mass Notification System Training Academy.