

Port of Los Angeles

ISSI Activation and Spare GTR Stations

Sole Source Justification

Project Overview

The Port of Los Angeles (POLA) currently operates a Motorola Solutions ASTRO 25 trunked radio system, which includes Inter-RF Subsystem Interface (ISSI) gateway server and applicable Automatic Roaming licenses. POLA now requires the configuration of the ISSI and the inclusion of additional Radio User Licenses to enable seamless voice interoperability with surrounding municipal and county P25-compliant radio networks. This justification supports the procurement of the Motorola ISSI configuration services, additional Radio User Licenses, and additional spare GTR base stations as a noncompetitive addition to the existing network core.

Justification for Noncompetitive Contract

Proprietary System Architecture: The POLA communications system is built on Motorola's proprietary ASTRO 25 platform. While the system facilitates entry for any P25-compliant radio, the underlying software and core infrastructure that manage the network are unique to Motorola. No other vendor has the legal or technical ability to modify or upgrade this proprietary software to integrate an ISSI gateway nor procure and install the additional Radio User Licenses.

Seamless Core Integration: The ISSI 8000 Gateway is a specialized server application that runs within a virtual container directly on the existing ASTRO 25 Master Site core servers. Only Motorola can ensure that the ISSI 8000 correctly interfaces with the POLA Zone Controller for call processing and mobility management without compromising system stability. The Motorola services required to configure the ISSI 8000 Gateway will also include fleet-mapping modifications, programming updates to subscribers, and dispatching consoles.

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Protection of Existing Investment: Since 2005, Motorola has been the provider for all POLA radio system maintenance and upgrades. Motorola is the only vendor capable of upgrading and configuring the software of the radio platform because it is a Motorola's proprietary platform. While the functionality of the ASTRO communications system allows any radio to enter this radio network platform, the underlying software and platform that allows this interoperability are unique and proprietary to Motorola, such that no other vendor can upgrade the software nor can configure the required elements in the ASTRO 25 trunked system.

Cost Benefit Analysis and Operational Efficiency

Efficient Spending: Contracting with a third-party vendor to develop an equivalent network would constitute inefficient spending, as it would fail to capitalize on the considerable resources already invested in the ASTRO 25 platform.

Accelerated Implementation: Because Motorola can leverage the existing system design, the implementation timeline is significantly accelerated. A new vendor would be required to design the network from scratch, leading to increased costs and deployment delays.

Contractual Compliance: POLA is entitled to a pre-negotiated discount structure defined in existing city contracts with Motorola, ensuring cost-effective procurement of the ISSI configuration services, additional Radio Use Licenses, and spare GTR stations. The Contract negotiation results are reflected below.

Description	Price (USD)
Licenses:	\$68,000
- (68) Bundles of 500 Radio User Licenses	
<i>Discount (Incentive)</i>	<i>-\$68,000</i>
Project Services:	\$205,251
- Project Management	
- Engineering Support	
- Detailed Design Review	
- Programming and Configuration	
- Acceptance Testing	
Codeplug Development	\$66,534
- Up-to 10 variants of codeplugs to be modified to enable the ISSI feature	
Subscriber Programming:	\$274,403
- Programming and Keyloading Services (261 APX 8000 portables, 129 APX 8500 Mobiles)	
LAPP Total (including all Discounts)	\$546,188
Equipment Spares (Optional) (including est. 9.5% tax)	\$147,592
LAPP Grand Total (including optional equipment)	\$693,780