

STATEMENT OF WORK

1. Introduction / Background

This Statement of Work (SOW) outlines the requirements for the procurement, delivery, and support of two (2) DetectaChem SEEKER Pro-Full handheld explosive and drug detection systems. These units will enhance the NASA Glenn Research Center (GRC) Office of Protective Services (OPS) mission by providing advanced, field-ready technology to support threat identification operations. The SEEKER systems will enable rapid screening of suspicious packages, unknown substances, and emergency situations, improving OPS response effectiveness and strengthening protective measures for all personnel. The selected platform, the DetectaChem SEEKER Pro-Full, shall deliver broad-spectrum detection through disposable test cards, charging capability, rapid start-up capability, extended field endurance, secure data and reporting functions, Bluetooth and USB connectivity, and ruggedized construction suitable for indoor and outdoor use at NASA GRC. The procurement shall also include all required updates, technical support, and a minimum one-year warranty.

2. Scope of Work

The contractor shall furnish, deliver, and provide technical support for two (2) DetectaChem SEEKER Pro-Full handheld explosive and drug detection systems in accordance with this Statement of Work. The contractor shall supply all required equipment, consumable test cards, accessories, software, connectivity features, and documentation necessary to provide fully operational, field-ready detection units for use by the NASA Glenn Research Center Office of Protective Services (OPS). The contractor shall ensure the devices are delivered ready for operation, including initial configuration, functional verification, and any updates required for baseline deployment. The scope includes providing warranty coverage for no less than one year, user support resources, and secure reporting/data management capabilities to ensure the systems fully meet OPS operational, emergency response, and threat identification mission requirements.

Equipment configuration requirements:

- Must utilize Spectrum Matrix Analysis technology for trace, residue, and bulk detection of explosives and drugs.
- Capable of detecting all major groups of explosives and common narcotics, synthetics, and plant materials.
- Single test must detect multiple threats simultaneously.
- Device must be ruggedized to MIL-STD 810H and water-resistant to IP66.
- LCD touch screen display for efficient operation and result interpretation.

- On-device report creation and storage for over 100,000 test results.
- Data transfer via USB stick or cable.
- Internal rechargeable lithium-ion battery with minimum 12-hour runtime.
- Startup time less than 30 seconds.
- Compatible with ApexR7 Raman Spectrometer.
- Password-protected menus and multilingual support
- Devices shall be IP66 water-resistant and meet MIL-STD-810H ruggedization or equivalent. Nominal dimensions and weight shall remain within the pocket-portable class (approximately 5.7 in × 3.5 in × 2.1 in at approximately 0.9 lb).
- Accessories: Bluetooth, charger, USB drive, 20 drug/explosive test cards
- Services: Freight, delivery, software updates, technical support, 1-year manufacturer warranty, user manuals, and training materials.

Upon delivery, the detection equipment systems shall be fully assembled, operationally tested, and ready for Government inspection and acceptance.

3. Objectives

The objective of this procurement is to equip the NASA Glenn Research Center Office of Protective Services (OPS) with two (2) fully operational handheld explosive and drug detection systems that enhance OPS threat identification, emergency response, and suspicious package screening capabilities. These systems will provide rapid, reliable, and field-deployable detection of unknown substances to support safer, more efficient protective operations across NASA GRC facilities. The new equipment will strengthen OPS readiness, improve incident resolution timelines, and ensure personnel have modern, mission-appropriate technology to meet evolving security and emergency response demands.

4. Description of the Work/Contractor Tasks

The contractor shall furnish all labor, materials, equipment, transportation, supervision, and incidental items necessary to provide two (2) fully functional DetectaChem SEEKER Pro-Full handheld explosive and drug detection systems in accordance with this Statement of Work (SOW). At a minimum, the contractor shall perform the following tasks:

Task 1 – Equipment Procurement

The contractor shall procure and furnish two (2) SEEKER Pro-Full handheld detection units and all associated accessories, consumable test cards, connectivity components, software, firmware, and documentation required to meet all technical requirements of this

SOW. All equipment shall be new, fully compatible with SeekER Pro-Full specifications, and include manufacturer-supported features as required for OPS field operations.

Task 2 – System Configuration and Preparation

The contractor shall configure both detection systems prior to delivery to ensure operational readiness. Configuration shall include verification of detection card compatibility, secure data/reporting functionality setup, Bluetooth and USB connectivity testing, installation of any required updates, and baseline device readiness checks. All preparation shall align with manufacturer guidance to preserve warranty coverage.

Task 3 – Functional Testing

The contractor shall conduct functional testing of each unit to validate proper operation of explosive and drug detection functions, startup performance, battery endurance, user interface capability, and secure data/reporting features. Testing shall confirm that all required components operate as an integrated system without faults or deficiencies. Any deficiencies identified shall be corrected before delivery.

Task 4 – Delivery

The contractor shall deliver the fully prepared detection systems, FOB Destination, to NASA Glenn Research Center, Office of Protective Services. Delivery shall include all required accessories, consumable detection cards, technical manuals, training or familiarization materials, and warranty documentation.

Task 5 – Familiarization Support

Upon delivery, the contractor shall provide basic operational familiarization to OPS personnel, including instruction on operation, maintenance, card handling, data reporting, device care, and troubleshooting steps. Familiarization may be provided in person or by approved digital materials.

Task 6 – Warranty and Support

The contractor shall provide no less than one (1) year of manufacturer warranty coverage and shall furnish any required support resources throughout the period of performance consistent with manufacturer policy, including troubleshooting assistance, repair coordination, and update availability.

5. Deliverables

1. Two (2) fully assembled SEEKER Pro-Full handheld explosive and drug detection systems, configured, tested, and operational upon delivery.
2. All accessories and consumable test cards required for initial operational capability.

3. Baseline configuration and functional testing verification, confirming proper operation of all detection, connectivity, and data security features.
4. Technical manuals, quick-start guides, and user support materials supplied by the manufacturer.
5. Warranty documentation for each device demonstrating at least one-year coverage.
6. Operational familiarization materials or training provided to OPS personnel.
7. Shipment records and itemized delivery documentation of all equipment furnished.

6. Other Considerations

6.1 Applicable Documents / Background

N/A

6.2 Milestones

The contractor shall complete all tasks identified in this Statement of Work within 30 days from procurement. delivery schedule. Key milestones include completion of equipment procurement, system configuration, and functional testing prior to delivery. Final delivery of both SEEKER Pro-Full handheld detection systems, including all accessories, documentation, and warranty materials, shall occur within 30 days from procurement. All milestones must be met without impacting overall project objectives or OPS operational readiness.

6.3 Government-Furnished Property

N/A

6.4 Government-Furnished Information

N/A