

# Passive Radio Frequency Identification (pRFID) Ordering Guide

Hardware

Maintenance & Training

Software

Services



Contract Number: W91QUZ-08-D-0032

**CODE Plus, Inc.**  
2810 Old Lee Highway, Suite 305  
Fairfax, VA 22031-4376  
United States of America

**November 6, 2008**

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## Contract Summary

**Contract Number**

W91QUZ-08-D-0032

**Scope**

Passive Radio Frequency Identification (pRFID) equipment, software, maintenance, training, and technical engineering services

**Contract Type**

Firm Fixed Price (FFP), Indefinite Delivery Indefinite Quantity (IDIQ) contract

**Contract Period**

October 6, 2008 – October 5, 2011

**Geographic Scope of the Contract**

Delivery and installation of hardware and software at all requisite Government sites within the Continental United States (CONUS) and outside the Continental United States (OCONUS)

Delivery Order Limitations (US\$)

Minimum Single Order...\$20,000

Maximum Contract.....\$75,500,000

**Contact Information**

Telephone: (703) 846-0030

Web Site: [www.code-plus.com](http://www.code-plus.com)

**Warranty**

Three (3) years from date of shipment or as specified for individual CLIN number

**FOB Point**

Destination

**Performance Schedule**

Equipment and Software Delivery

45 days from order date for all orders

**Payment**

Net 30 from date of invoice

No prompt payment or quantity discounts

**Ordering Guide**

Attn: CODE Plus, Inc.

2810 Old Lee Highway, Suite 305

Fairfax, VA 22031

tel: 703.846.0030

fax: 703.846.0031

**Online Ordering Guide**<http://www.code-plus.com>**Warranty**

The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

**Point of Contact – Program Offices**

<b>US Army</b> (incl US Coast Guard and other DoD Agencies)	TBD by PM J-AIT Office
<b>US Air Force</b>	TBD by PM J-AIT Office
<b>US Marine Corps</b>	TBD by PM J-AIT Office
<b>US Navy</b>	TBD by PM J-AIT Office
<b>Defense Logistic Agency (DLA)</b>	TBD by PM J-AIT Office

**Insurance**

In accordance with the clause "Insurance - Work on a Government Installation (Jan 1997)(FAR 52.228.5)" and this schedule, the Contractor shall acquire and maintain during the entire performance period of this contract insurance of at least the following kinds and minimum amounts set forth below:

Workman's Compensation and Employer's Liability Insurance in accordance with the amounts specified by the laws of the states in which the work is to be performed under this contract. In the absence of such state laws, an amount of \$100,000 shall be required and maintained.

General Liability Insurance: Bodily injury liability in the minimum amount of \$500,000 per occurrence.

Automobile Liability Insurance in the amount of \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage.

# Section 1: Ordering Procedures

## 1.1 Introduction

The supplies and services are to be delivered to, or performed at, locations worldwide for Department of Defense (DoD) agencies and the Coast Guard. The equipment and services available for order are:

- Hardware products
- Installation services
- End-user training
- Technical support

## 1.2 Authorized Ordering Offices

Orders may be placed by any authorized Federal Contracting Officer or Authorized Government credit card holder.

### 1.2.1 Central Ordering Processing Offices (COPO)

<b>US Army</b> (incl US Coast Guard and other DoD Agencies)	TBD by PM J-AIT Office
<b>US Air Force</b>	TBD by PM J-AIT Office
<b>US Marine Corps</b>	TBD by PM J-AIT Office
<b>US Navy</b>	TBD by PM J-AIT Office
<b>Defense Logistic Agency (DLA)</b>	TBD by PM J-AIT Office

### 1.2.2 Unique Control Number (UCN)

Orders shall be sent to Service/Agency COPO for verification/validation and assignment of UCN

## 1.3 Delivery / Purchase Card Orders / Task Orders

Team CODEplus will deliver hardware and software items to the destination specified in the order within 45 days after date of order for all orders (SF 1449).

However, see FAR Clause 52.211-15, Defense Priority and Allocation Requirements, under the heading "Clauses Incorporated by Reference". The Contracting Officer issuing the order may arrange for a longer delivery period.

Partial delivery is authorized, unless specified otherwise on the Delivery Order. The period of performance is stated on each Task Order for Technical Engineering Services, Training Services, and Maintenance Services. Orders are mailed or notice of award furnished to contractor no later than date of order (FAR 11.403). All delivery and performance schedules include the three-day Contractor review time for acceptance or rejection of orders.

Ordering is decentralized, with orders being placed by any authorized Contracting Officer or purchase cardholder supporting the Department of Defense, the United States

Coast Guard (CG), North Atlantic Treaty Organization (NATO), Coalition Partners, other Foreign Military Sales (FMS), and other Federal agencies.

All Delivery Orders, Purchase Card Orders, and Task Orders are subject to the terms and conditions of this contract. The contract controls in the event of conflict with any delivery order or task order.

### 1.3.1 Order Completion

An SF 1449 or Purchase Card form is issued for each order.

In addition to any other data that may be called for in the contract, the following information must be specified in each order as applicable:

1. Date of order
2. Contract and order number

**NOTE:** Delivery Order numbering is in accordance with DFARS 204.7004 – Only the issuing office (ACA-ITEC4) is authorized to use the numbers 0001-9999.

3. Point of contact (name), commercial telephone and facsimile number, and e-mail address
4. Ordering Contracting Officer's commercial telephone number and e-mail address
5. Description of the supplies to be provided, quantity, and unit price (to include the contract line item number (CLIN) and/or subcontract line item number (SLIN) from Schedule of Supplies/Services. DFAS needs the CLIN/SLIN numbers to be reflected on the SF 1449s (or purchase card form) in order to do initial entry of orders into their automated payment system. When the Contractor submits a request for payment, DFAS compares the request for payment of CLIN/SLINs with the order CLIN/SLINs. Use of item numbers in Block 19 on the SF 1449 and not CLIN/SLIN numbers will result in payment delays and excessive administrative costs to both the Contractor and the Government).
6. Delivery date for supplies and performance period for services (See Delivery Requirements, Part C-1-1.)
7. Address of place of delivery or performance to include consignee
8. Packaging, packing, and shipping instructions
9. Accounting and appropriation data and Contract Accounting Classification Reference Number (ACRN. (DFAS requires an ACRN(s) on all orders.)
10. Invoice and payment instructions to the extent not covered by the contract
11. Orders for known Foreign Military Sales requirements shall clearly be marked "FMS requirement" on the face of the order, along with the FMS customer and the case identifier code.
12. If an Army order, a completed copy of the Army Electronic Invoicing Instructions contained in Part C-1-1.
13. Any other pertinent information.

Each Delivery Order and Task Order issued under this contract via appropriate form in compliance with FAR 12.204 is forwarded to the appropriate Service/Agency Centralized Order Processing Office (COPO) for verification and validation. All U.S. Marine Corps Purchase Card Orders for \$25,000 or more are submitted to the appropriate COPO for verification and validation. All other Service/Agency purchase card orders are processed in accordance with the Service/Agency procedures.

The COPOs assigns a unique control number (UCN) as designated by the Product Manager – Automatic Identification Technology (PM AIT) to each delivery order and task order for tracking purposes only.

The COPOs forwards the order to the Contractor. Distribution of orders is made by the contract ordering offices, in accordance with FAR 4.2, DFARS 204.2, and agency procedures.

Issuance of an order is defined as the date order is awarded (see also Delivery Requirements in Part C-1-1).

## **1.4 Ordering Period**

All ordering after the Base Period is subject to the Government's Option to Extend the Term of the Contract. Also, any period during which there is a suspension of performance as a result of a bid protest does not constitute part of the Ordering Period.

The contract life is seventy-two (72) months, 6 October 2008 through 5 October 2011, subject to Government exercise of all options to renew the term of the contract.

### **1.4.1 Ordering Time Limitations**

The range of time that supplies and services may be ordered is under the following limitations.

#### **1.4.1.1 Hardware, Software, and Documentation**

Hardware, software, and documentation are ordered for 36 months from the date specified in the written notice to proceed.

#### **1.4.1.2 Training**

Training, if required, is ordered for 36 months from the date specified in the written notice to proceed.

#### **1.4.1.3 Technical Engineering Services**

Technical engineering services, if required, are ordered for 36 months from the date specified in the written notice to proceed.

#### **1.4.1.4 Maintenance**

Maintenance is ordered from the date the warranty expires through the remaining life of the contract.

#### **1.4.1.5 Consumables**

Consumables are ordered for 36 months from date specified in the written notice to proceed.

## **1.5 Pricing**

Prices are listed in Section 9 in the CLIN List for each contract year.

## **1.6 Inspection, Acceptance, and Receipt**

The Contractor will only tender for acceptance those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or re-performance of nonconforming services at no increase in contract price. If repair/replacement or re-performance will not correct the defects or is not possible, the Government may seek an equitable price reduction or adequate consideration for acceptance of nonconforming supplies or services. The Government must exercise its post-acceptance rights within a reasonable time after the defect was discovered or should have been discovered; and before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

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## Section 2: Hardware

### 2.1 Intermec PM4i Printer

The PM4i is a multi-functional printer that provides reliability, ruggedness, and performance. The printer has the ability to print high-quality barcodes, human-readable text, and graphics as it encodes the Ultra High Frequency (UHF) RFID Gen 2 label with tag verification. The printer is 21.38"L x 10.28"H x 11.73"W and weighs 29.76 lbs. It is capable of printing barcode symbologies with minimum resolution of 203 dpi (dots per inch).



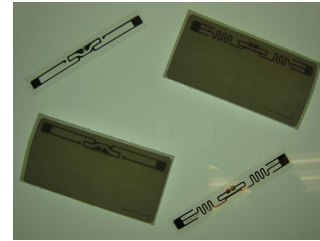
The operating environment of the printer is listed:

- **Operating Temperature:** 40°F- 104°F
- **Storage Temperature:** -4°F- 152°F
- **Humidity:** 20-80% RH non-condensing
- **Noise:** 50 dB (printing), no noise standby
- **Power:** 115/230VAC auto-switch w/PFC
- **Voltage range:** 90-264VAC
- **Frequency Range:** 45-65 MHz

- 0015AA** Thermal Transfer Printer with Software and Documentation  
Intermec PM4C414310300020  
3.3 -4° to 120° F operation  
4.1.1.4 Write - Read - Verify Tag Info / embedded Bar Code Label and Form Design Software / firmware upgradeable / thermal transfer 203+ DPI / Grade A print quality 4+ inch print width / USB, parallel, & ethernet / skip & mark unusable tags
- 0015AB** Wireless Upgrade to the Printer 3.13 Internet Protocol Version 6 (IPv6)  
EasyLAN Wireless Kit (802.1X, Field Installable) 1-971146-800
- 0015AC** Operator's Maintenance Kit  
Intermec 1-110501-00, Cleaning Card, 4.5x6", box of 25
- 0015AD** Replacement Print Head; Intermec 1-010043-900
- 0015AE** 4" Resin-Based Ribbon; Intermec 13634118

## 2.2 General Purpose Passive RFID EPC Class 1, Gen 2 Tags

The 4"x2" and 4"x6" general purpose passive EPC Gen 2 tags Kennedy Group Smart Therm are 96-bit user programmable read and write tags. The designated optimized frequency range is set for passive frequency (860-960 MHz) with the operating frequency of 915 MHz. The antenna size is 3.74 x .302 inches. The position of the inlay makes it compatible with the proposed Intermec PM4i printer. The tags transmit a high-performance omni-directional signal that allows optimal performance for packaging and logistic operations.



The operating environment of the tag is listed:

- **Operating temperature:** -40° F to +149°F
- **Storage temperature:** -40° F to +185° F
- **Humidity:** 40% to 80% RH
- **Optimized frequency range (Global):** 860-960 MHz
- **Mode of operation:** Passive (battery free)
- **Protocol:** ISO/IEC 18000-6C EPC Class 1 Gen 2
- **EPC memory allocation:** 96 bits

For harsh operational and industrial applications, Team CODEplus can offer ruggedized yet compact design rigid tags (small and large) that are suitable for such environments and survival in application temperatures up to 250° F (121° C). Additionally, the rigid tags have a wide-band antenna design, which allows for a single tag to be used virtually anywhere in the world and on a variety of surfaces, including metal, plastic and wood. The rigid tags are ideal for industrial applications where ruggedness, chemical resistance, or higher temperature ratings are required; and where tag size is an important consideration.

<b>0010AA</b>	4" X 2" General Purpose RFID Tag (Gen 2 Tags) Kennedy Group Smart Therm, SL42D2I, 1 Roll contains 2500 Labels Unit
<b>0010CA</b>	4" X 6" General Purpose RFID Tag (Gen2 Tags) Kennedy Group Smart Therm, SL46D2I,1 Roll contains 1000 Labels

## 2.3 Sirit INfinity 510 Fixed Reader

Sirit's INfinity 510 fixed position reader has been designed from the ground up for flexibility and adaptability under a multitude of regulatory and deployment scenarios from a single platform. The INfinity 510 is able to operate in any regulatory region simply by altering the unit's field upgradeable firmware.



The INfinity 510 comes with full support of mandatory and optional features (including optional user memory) for EPCglobal Class 1 Generation 2 and ISO18000-6C certifications. In support of a global supply chain, the INfinity 510 is FCC certified and factory configured to operate in RFID frequency bands of 860-960MHz. The INfinity 510 has dimensions consisting of 8.66"L x 11.81"W x 2.20"D.

The antenna connections are mono-static, thus reducing the overall system complexity and cost. The INfinity 510 features a worldwide external power supply. Simply by changing the IEC power cable, the INfinity 510 can be used in any country around the globe.

The communication interfaces include 10/100 Ethernet and RS232 serial ports. However, the main communication port of the INfinity 510 is the Ethernet IPv4 and IPv6 connection.

The operating environment of the reader is listed:

- **Operating Temperature:** -7° F to 140° F
- **Humidity:** 5% to 95% (Non-condensing)
- **Case Material:** Aluminum
- **Power:** 85-265 VAC
- **Upgradeability:** Upgradeable firmware permits forward compatibility for future protocols
- **Frequency:** UHF 860MHz to 960MHz

- 0001AA** Fixed Reader, RFID EPC Class 1, Gen 2, with Software and Documentation IN510WD000-006  
1 One Infinity 510 Reader, Worldwide frequency  
860-960MHz, DC power, 64 MB Flash, 64 MB RAM  
2 Antennas (860 -960 MHz RHCP, AN-CIRC860960-1)  
2 Antenna Cables (8m N-Type male to RN-TNC plug LM-240 cable, CA-NMRPTNcplug-8M-1)
- 0001AB** 2 Antenna Mounting Brackets Kit (PN-MOUNTKIT-002)  
Mounting Kit for Fixed ReaderKIT, MOUNTING, WALL, EDGE SERVER  
(Infinity 510 Mounting bracket kit) PN-MOUNTKIT-001

## 2.4 Bartec/Motorola MC9090ex-Gun RFID Handheld Reader

Bartec/Motorola's MC9090ex-Gun RFID handheld reader is a non-incendive, cost-effective, compact, lightweight, ergonomically designed, and an EPCglobal certified solution for providing mobile RFID read/write capability. Workers can count on ample battery life for a full shift through superior power management. Modular keypads, a rugged touch panel, and a display that is easy to view inside and outside provides users with maximum readability, ease-of-use, and comfort.



The MC9090ex-Gun RFID handheld reader weighs 2.2 lbs. with the battery, scanner, and radio. It has a removable, rechargeable lithium-ion battery pack. With support for U.S frequencies, Asia Pacific Advisory Committee (APAC) frequencies, and the European standard ETSI EN 300 220, the MC9090ex-Gun RFID handheld reader can easily support global deployments.

The operating environment of the handheld computer is listed:

- **Operating Temp:** -4° F to +122° F
- **Storage Temp:** -40°F to +158°F
- **Environmental Protection:** IP64 compliant
- **Drop Survival:** Multiple 1.8 m (6 ft.) drops on concrete across the operating temperature range
- **Humidity:** 5 to 95%, non-condensing
- **Electrostatic Discharge:** ±8kV Contact Discharge; ±15kV Air Discharge
- **Power:** Battery Type/Supply: Removable, rechargeable lithium-ion; 7.2V, 2200 mAh (15.8 Watt hours)
- **Display:** QVGA Color

- 0002AA** Passive RFID, Non-Incendive 902-928 MHz, EPC Class 1, Gen 2, Multi-Protocol HHR with Software and Documentation  
Bartec - B7-A229RGKHJEFR700  
Rechargeable Battery KT-21-61261-01 (2)  
Cable Adapter Module. (3.3v-500mAh) ADP9000-100R  
Power Supply 100-240 VAC, 12DC, 3.33A KT-14000-148R  
AC-Line Cord
- 0002AB** Rechargeable Battery  
Motorola KT-21-616261-01
- 0002AC** Battery Charger Motorola 1 slot Cradle, w/spare, charging CRD9000-1001SR  
Power Supply, 100-240 VAC, 12VDC, 3.33A  
AC Line Cord, USB Cable 25-64396-01R, 3 Year support
- 0002AD** Hands-Free Carrying Device Motorola SG-MC9021210-01R for MC9090
- 0002AE** A C Adapter Motorola MC9090 Cable Adapter Module (3.3v-500mAh)  
ADp9000-100R  
Power Supply, 100-240 VAC, 12VDC, 3.33A KT-14000-148R  
AC Line Cord

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## 2.5 Cable Requirements

All required cables are provided with the CLIN and connect to the ordered device. The cables included with this contract are as follows:

### Printer (Intermec PM4i):

Cable	Manufacturer part number	Included with CLIN
USB	PM4C414310300020	0015AA
Parallel	PM4C414310300020	0015AA
Ethernet	PM4C414310300020	0015AA

### Fixed Reader (Sirit Infinity 510):

Cable	Manufacturer part number	Included with CLIN
8m N-Type male to RN-TNC plug LM-240 cables (2)	CA-NMRPTNcplug-8M-1	0001AA

### Handheld Reader (Bartec/Motorola MC9090ex-Gun):

Cable	Manufacturer part number	Included with CLIN
USB	B7-A229RGKHJEFR700	0002AA

# Section 3: Recommended Equipment Configurations

## 3.1 Introduction

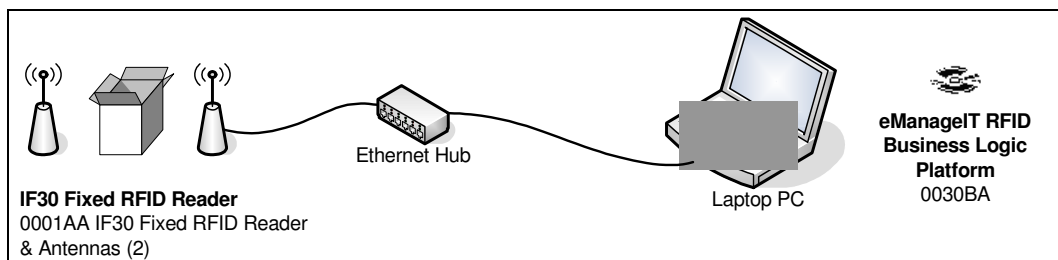
Team CODEplus has a long history of supporting PM J-AIT and the Army in complex asset visibility, logistics, information technology, logistics transformation, and AIT pRFID initiatives. Team CODEplus offers proven expertise in performing passive RFID installations, supporting systems implementation projects, and providing RFID technical services.

Section 3 discusses Team CODEplus' recommended equipment configurations to meet various pRFID requirements in easy to understand, step-by-step directions. The recommended configurations represent the most economical equipment, software, and service items that meet user requirements. This section provides information to order and build a pRFID configuration that best meets user needs. The configurations include the appropriate CLIN numbers.

## 3.2 Read / Write Data with Fixed Reader

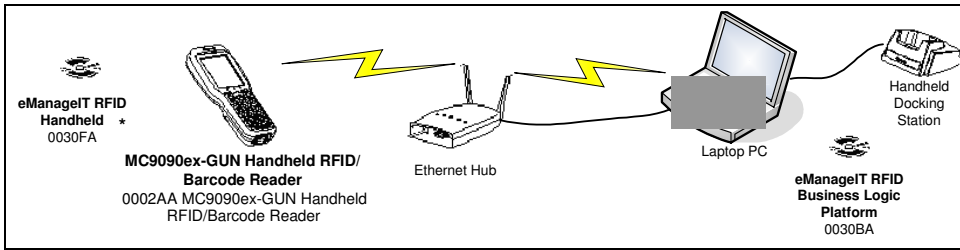
A measure of available items is supported by data collection. Scanning and bar code label printing applied to receiving and storage provides the measure of data for shipment manifesting, routing, fleet management, yard management, carrier management, and freight cost management.

Sirit's INfinity 510 fixed position reader has been designed from the ground up for flexibility and adaptability under a multitude of regulatory and deployment scenarios from a single platform. The INfinity 510 is able to operate in any regulatory region simply by altering the unit's field upgradeable firmware. In support of a global supply chain, the INfinity 510 is FCC certified and factory configured to operate in RFID frequency bands of 860-960MHz. The INfinity 510 has dimensions consisting of 8.66"L x 11.81"W x 2.20"D.



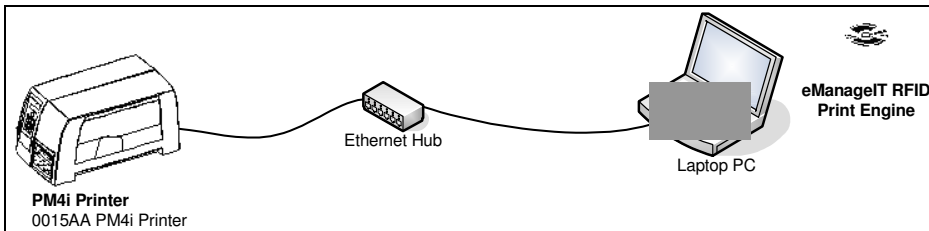
## 3.3 Read / Write Data with Handheld Reader

Bartec/Motorola's MC9090ex-Gun RFID handheld reader is a non-incendive, cost-effective, compact, lightweight, ergonomically designed, and an EPCglobal certified solution for providing mobile RFID read/write capability. Workers can count on ample battery life for a full shift through superior power management. Modular keypads, a rugged touch panel, and a display that is easy to view inside and outside provides users with maximum readability, ease-of-use, and comfort.



### 3.4 Printer Operation

The PM4i is a multi-functional printer that provides reliability, ruggedness, and performance. The printer has the ability to print high-quality barcodes, human-readable text, and graphics as it encodes the Ultra High Frequency (UHF) RFID Gen 2 label with tag verification. The printer is 21.38"L x 10.28"H x 11.73"W and weighs 29.76 lbs. It is capable of printing barcode symbologies with minimum resolution of 203 dpi (dots per inch).



### 3.5 Optional Equipment Configurations

The following solutions are optional and are multifaceted as they include a pre-packaged (with Bill of Materials ready) configuration to include forklift, portal, mobile, and standalone systems ready for immediate DoD deployment.

Description	Solution
<b>eManageIT RFID Mobile Vehicle Mount RFID Reader</b>	Mobile mount systems for forklifts and other mobile devices. The IV7 vehicle mount RFID reader, coupled with the CV60 or CV30 vehicle mount computers and associated power cables and antennas, provide a cost-effective way to bring RFID to outdoor applications where mobility and “read where you need” is important. This product set meets or exceeds Mil Std 810F and has an environmental rating of IP65.
<b>eManageIT RFID Portal</b>	Fixed installation for standard dock door portal with single stack pallet consisting of one high performance INfinity 510 fixed reader, two antennas, and two custom aluminum portal structures, which provide pinch point read capability at identified dock doors for outgoing (shipping) or incoming (add to inventory) pRFID-tagged assets. Generally, CODEplus pRFID portal system connects to a CODEplus eManageIT RFID Tag&Ship (based on eManageIT RFID Business Logic Platform) system in a server configuration.

Description	Solution
<b>eManageIT RFID Mobile (Fielding)</b>	Readily deployable pRFID system comprised of CODEplus eManageIT RFID application running on up to three pRFID MC9090-G RFID handheld readers with integrated scanners, one pRFID-enabled PM4i printer, spare pRFID labels and ribbon packaged in a Pelican Case model 1660. Using the handheld RFID computers, connected wirelessly or through docking to a laptop computer running CODEplus' eManageIT RFID Handheld/Fielding application, allows fielding teams to readily verify incoming shipments based on Advanced Shipping Notice (ASN), take starting and ending inventories, and prepare return shipments to the central warehouse including ASN submission.
<b>eManageIT RFID Tag&amp;Ship (Standalone)</b>	<b>Team CODEplus</b> core pRFID supply chain product is a turnkey EPC and DoD mandate compliant solution that can be deployed either in a standalone or client server configuration. The base system is comprised of a computer running CODEplus eManageIT RFID Tag&Ship application (based on eManageIT RFID Business Logic Platform) with an attached handheld barcode scanner, a pRFID-enabled PM4i printer, and an INfinity 510 reader with antennas and mounting kit. The eManageIT RFID Tag&Ship allows any facility to immediately conform to DoD or EPC standards providing pRFID printing, reading, verification, association, and ASN submission capabilities.

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## Section 4: Software

### 4.1 Configuration/Operational Software for Fixed Reader PC

#### 4.1.1 eManageIT™ RFID Hardware Configuration Wizard

This software will provide the necessary features and utilities to set up, control, and operate the Passive RFID EPC Class 1, Gen2 fixed readers in actual operational environments. The software is accessible through a graphical user interface (GUI). It can be updated through any computer with network access.

**0001AA** Fixed Reader, RFID EPC Class 1, Gen 2, with Software and Documentation IN510WD000-006I One Infinity 510 Reader, Worldwide frequency 860-960MHz, DC power, 64 MB Flash, 64 MB RAM 2 Antennas (860 -960 MHz RHCP, AN-CIRC860960-1) 2 Antenna Cables (8m N-Type male to RN-TNC plug LM-240 cable, CA-NMRPTNcplug-8M-1) 2 Antenna Mounting Brackets Kit (PN-MOUNTKIT-002)

### 4.2 Configuration/Operational Software for Fixed Reader PC and Handheld Reader

#### 4.2.1 eManageIT™ RFID Network Health Monitor

This software will allow management of all Passive RFID EPC Class 1, Gen2 hardware including printers, readers, and handhelds, remotely. It will have the utilities to set up, control, and operate the hardware in addition to monitoring these devices proactively for any potential faults. This monitoring capability is not limited to the CODEplus proposed system, but can also include any RFID device on the network. The Web-based application will also help monitor all necessary maintenance activities and records of each device.

**0001AA** Fixed Reader, RFID EPC Class 1, Gen 2, with Software and Documentation IN510WD000-006I One Infinity 510 Reader, Worldwide frequency 860-960MHz, DC power, 64 MB Flash, 64 MB RAM 2 Antennas (860 -960 MHz RHCP, AN-CIRC860960-1) 2 Antenna Cables (8m N-Type male to RN-TNC plug LM-240 cable, CA-NMRPTNcplug-8M-1) 2 Antenna Mounting Brackets Kit (PN-MOUNTKIT-002)

### 4.3 Configuration/Operational Software for Handheld Reader

#### 4.3.1 eManageIT™ RFID Handheld Application

This software will provide the necessary features and utilities to set up, control, and operate the Passive RFID EPC Class 1, Gen2 handheld readers in actual operational environments. The software is actually a Microsoft mobile operating system embedded into the computer that is controlling the hardware reader. It can be accessible through a GUI similar to that of most Microsoft operating systems.

**0030EA** Hand-Held Software Development Kit; eManageIT RFID Handheld Application, Media Kit v1.00

## **4.4 Application Development Software**

### **4.4.1 eManageIT™ RFID Business Logic Platform**

This software provides the ability to program, develop, and execute code to support the Passive RFID EPC Class 1, Gen2 configuration software. It contains the ability to download executable code to the hardware devices in addition to providing the tools, libraries, and methods needed to generate executable code. Using this platform, CODEplus successfully developed applications such as eManageIT™ RFID Tag & Ship.

**0030AA** Application Development Software; eManageIT RFID Business Logic Platform, Media Kit v1.00

## **4.5 Handheld Reader Software Development Kit**

### **4.5.1 eManageIT™ RFID Handheld Application**

This software provides the ability to program, develop, and execute code on handheld devices. It contains the ability to compile the application in cabinet (CAB) files and then download these installation packages onto the handheld reader for execution.

**0030EA** Hand-Held Software Development Kit; eManageIT RFID Handheld Application, Media Kit v1.00

## **4.6 Passive RFID EPC Class 1, Gen2 Enabled Printer Software**

### **4.6.1 eManageIT™ RFID Print Engine**

This software provides the ability to encode RFID data onto tags and to print barcodes into the human-readable portions of the tags. The software will have the ability to design label formats, identify faulty tags and mark them as such, and verify, associate, and create shipments with cases and pallets.

**0015AA** Thermal Transfer Printer with Software and Documentation Intermec PM4C4143103000203.3 -4° to 120° F operation 4.1.1.4 Write - Read - Verify Tag Info / embedded Bar Code Label and Form Design Software / firmware upgradeable / thermal transfer 203+ DPI / Grade A print quality 4+ inch print width / USB, parallel, & ethernet / skip & mark unusable tags

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# Section 5: Technical Engineering Services

## 5.1 Introduction

Team CODEplus will provide TES on-site at Government sites and at Team CODEplus' facilities as specified in the Task Order. TES will be ordered by a Task Order only. TES will include those services required for:

- RFID turnkey implementation
- IUID implementation support
- equipment integration
- site analysis, installation
- uninstall services
- relocation
- problem-solving
- user unique training
- IPT support
- conducting PCAs/FCAs
- software development
- communications
- interfaces to other Government systems
- equipment and systems engineering services
- system design
- systems integration to include middleware integration to enterprise systems

## 5.2 Task Order – Technical Engineering Services

1. Upon receipt of proposal request for TES, which includes a description of the tasks; Team CODEplus will submit a price proposal as soon as possible, but not more than fifteen workdays after receipt of the request unless so agreed to by the Ordering Contracting Officer. Team CODEplus' proposal shall contain sufficient detail to enable the Government to determine the acceptability of the proposal and shall include, as a minimum:
  - (A) A brief description of the technical approach which demonstrates the Contractor's understanding of the task(s);
  - (B) Proposed timeline schedule;
  - (C) Proposed labor categories from the Master CLIN listing and the number of hours for each category;
  - (D) Proposed other direct costs including price and description of each item (see paragraph "Incidental Materials" in this Part) and;
  - (E) Proposed price for travel with a breakout of airfare(s), per diem, rental car(s), and any other travel-related expenses.

2. The Government will negotiate a total firm-fixed price for the effort, excluding other direct costs. This firm-fixed price will include all labor, travel, and per diem required to complete the effort and will be included in the task order at CLIN 0060. If applicable, the Government will negotiate a separate firm-fixed price for other direct costs, which will be included in the task order at CLIN 0065. The incidental materials will be consistent with paragraph entitled "Incidental Materials" in this Part.
3. Travel and per diem shall be consistent with the current rates, requirements, and limitations applicable to Government personnel in the Federal Joint Travel Regulations or other applicable regulation (CONUS and OCONUS).

## 5.3 Technical Engineering Service Factors

### 5.3.1 Travel

Prices for Contractor personnel travel and per diem to perform TES shall be in accordance with the requirements set forth in "Task Orders – Technical Engineering Services" in Part C-1-1.

### 5.3.2 TES Trip Report

Team CODEplus will submit a TES Trip Report to the Task Order POC or Task Order COR, if applicable, no later than five workdays after the completion of each trip made for TES. The trip report will be in Team CODEplus' format and will contain as a minimum:

- Report Date;
- Customer Name, address, POC and telephone number;
- Project Name;
- Time arrived, time departed;
- Any recommended or provided Incidental Material description;
- Contractor's summary of work completed;
- Contractor POC name and signature.

### 5.3.3 Program Manager

Team CODEplus' pRFID Program Manager will manage all Delivery Orders, Task Orders, and purchase card orders, and will be Team CODEplus' authorized point-of-contact for the PM J-AIT, the COR, and the point-of-contact for Delivery Orders, Task Orders, and purchase card orders. Team CODEplus' pRFID Program Manager will be responsible for formulating and enforcing work standards, assigning schedules, and reviewing work discrepancies, communicating policies, purposes, and goals of the organization to the assigned Team CODEplus personnel for performance of this Contract. Team CODEplus' pRFID Program Manager shall manage Delivery Order and Task Order performance.

### 5.3.4 Software Development Services

Software Development Services (SDS) will be limited to development incidental to the pRFID-related mission that utilizes equipment acquired under this Contract. The pRFID SDS shall be limited to the development work required to implement, modify, interface,

and integrate Passive RFID EPC application(s) to an existing Government application(s) and database(s) e.g., SARSS, TIS, etc. Services include new software development, which may include translation of existing Government code that has been determined necessary to ensure operation of the system.

### 5.3.5 Installation / De-Installation / Relocation Services and pRFID Installation Plans

Team CODEplus will conduct installation/de-installation/relocation services as specified in the Task Order for each location requiring the services. The ordering contracting officer will issue proposal requests with schematic drawings of the Government site. Team CODEplus will use these schematic drawings for TES proposals; however, if the Government does not guarantee accuracy and completeness of its information, Team CODEplus can include a site survey to be part of the proposal.

Team CODEplus will submit an Installation Plan with supporting documentation and attachments for evaluation as a part of its proposal for TES. The Installation Plan will include, but is not limited to, the following items:

- (A) Specific details of the methodology for the installation and the resources required;
- (B) Detailed description, by major subheadings, of all installation work to be accomplished by the Contractor at the site to include scheduling and dependency of the various tasks;
- (C) Site layout plan including detailed drawings of all Passive RFID EPC components, such as racks, cabinets, or consoles;
- (D) General component specifications including equipment, physical specifications, templates, manufacturer's specific machine configuration and space requirements, special operational line-of-sight requirements between various components, lighting requirements, site construction requirements, power requirements, cabling requirements, network connections, communication lines including satellite communications, cooling requirements, shipping requirements, and all special requirements that do not fall under normal operating conditions;
- (E) Description of any actions, such as site modifications, which the Government will complete prior to installation of the Passive RFID EPC equipment, in sufficient detail to facilitate successful installation of the equipment.

### 5.3.6 Installation / De-Installation

Team CODEplus will install and uninstall Passive RFID EPC configurations as specified in the Task Order. Team CODEplus will provide all necessary installation support equipment, cables for the interface of the various components forming an installation, including the Passive RFID EPC devices, servers, peripheral devices, and power sources as required. Upon receipt of a Task Order requiring installation/de-installation, and in accordance with the schedule contained therein, Team CODEplus will install/de-install Passive RFID EPC equipment in accordance with the approved Installation Plan. In instances where work to be performed by Team CODEplus requires interaction with existing facilities and equipment, Team CODEplus will be responsible for any damage to existing facilities or equipment. After installation is completed, Team CODEplus will remove all packing, shipping, and storage materials left over from the installation.

### 5.3.7 Relocation of Passive RFID EPC Components

Upon receipt of a Task Order requiring relocation of Passive RFID EPC equipment, and in accordance with the schedule contained therein, Team CODEplus will install Passive RFID EPC equipment in accordance with the approved Installation Plan. The extent of the services performed by Team CODEplus will be specified in the Task Order and may vary from minimal involvement to total responsibility for the relocation.

### 5.3.8 Contract Support Personnel

Team CODEplus will provide highly skilled personnel with in-depth knowledge of Team CODEplus-supplied equipment and the customer environment. Personnel performing TES and training under this Contract shall possess the qualifications that Team CODEplus requires for, and be part of the same work force, providing such services to the general public. Team CODEplus will provide labor categories that represent a blend of demonstrated technical, supervisory and managerial expertise, analytical skills, and knowledge to provide specific tasks using efficient and state-of-the-art processes.

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# Section 6: Training

## 6.1 Introduction

This section describes the Training course descriptions, lengths, prerequisites, course objectives, and recommended audience.

## 6.2 Web-Based and CD-ROM Training

Training will be provided on CD-ROM and via the Internet on a trusted Web site. The Web-based training will allow users to train from the Web site and have the ability to download a version of the training for execution on a standalone Windows-based computer. The training will instruct students on how to operate, maintain, and repair the equipment, and develop unique application software programs for Passive RFID equipment acquired under this Contract. Team CODEplus will provide a Web-based and CD-ROM training package with updates for the base period of the Contract. Training updates may include the addition of new or modified products and other types of training updates as necessary.

### 6.2.1 Target Audiences and Areas

Target audiences utilizing the pRFID training will include technically skilled specialists responsible for supporting and implementing the use of Passive RFID EPC components and end Users responsible for operating the Contractor-provided hardware and software. The pRFID Configuration Training shall encompass an overview of instruction in the following areas:

- a. pRFID Configuration Overview (hardware, software, communications). Hardware characteristics and principles of operation, pRFID Configuration hierarchy and software components (including the Operating System communication software interfaces), data structures, queues, and internal tables of the Operating System;
- b. Hardware and Software Architecture. Communications processing (including protocols), software designs, interfaces, and assembly (Operating System development) language.
- c. Operating System commands;
- d. Operating System tailoring and generation, method for the distribution of fixes, problem resolution, and implementation of new software releases;
- e. Operations of equipment to include, but not limited to: configuring Reader(s) and Printer(s), collecting information, reading and writing information, searching data to identify priorities and finding specific items, creating prioritized lists of containers to be unloaded, and locating specific containers based on container number or content data;
- f. Diagnostics to include, but not limited to: problem definition and resolution, and diagnostic software utilization;
- g. Security features (including management considerations, controls, procedures, and software design); and
- h. Hardware maintenance and support. Preventive maintenance checks and services, and user-level repair operations.

## **6.3 Multimedia Training**

Team CODEplus will provide both Web-based and CD-ROM training as a Multimedia Training package (MMTP). This MMTP will provide information in the areas of hardware and software installation, addressing initial problem diagnostics, performance measurements, diagnostic software, and basic component operations. The MMTP will be developed for the specific target audiences and areas identified in the preceding paragraph entitled “Target Audiences and Areas.”

## **6.4 Draft MMTP**

Team CODEplus will provide PM J-AIT draft storyboards, and graphics materials within 60 calendar days after the date of a Task Order for the MMTP. The PM J-AIT will review and approve the drafts and provide comments to Team CODEplus. Team CODEplus will amend or edit the draft MMTP based on the Government’s comments and resubmit a revised draft no later than 14 calendar days after receipt of the Government’s comments. Team CODEplus will provide the final MMTP within 30 calendar days after receipt of PM J-AIT’s final approval of the draft MMTP materials. At the Government’s discretion, Team CODEplus will be prepared to attend a minimum of two meetings at PM J-AIT-designated facilities to provide for Government review and input into the MMTP prior to PM J-AIT final approval of the draft MMTP materials. Team CODEplus will provide PM J-AIT draft storyboards, scripts, and graphics materials ten workdays prior to each meeting. Team CODEplus will also provide an agenda at least ten workdays prior to each meeting, and will provide meeting minutes no later than ten workdays after the conclusion of each meeting.

## **6.5 Master CD-ROM and Copies**

Team CODEplus will provide the COR with one (1) Master CD-ROM to be used by the Government for reproduction and distribution purposes. Team CODEplus will also provide one (1) copy to the COR.

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# Section 7: Warranty Support

## 7.1 Introduction

This section discusses Team CODEplus' warranty policy as it applies to this contract. Team CODEplus provides a minimum of three-year warranty on all hardware and software including parts, labor, and transportation costs for all Passive RFID EPC components delivered under this Contract. Also, Team CODEplus provides a three-year warranty of all software products.

## 7.2 Warranty Status Report

Team CODEplus will provide a Warranty Status Report in Microsoft Office Excel format, once each Contract year as requested by the COR, to include but not limited to, a list of all equipment due to leave warranty status no later than the next twelve months with serial number, model number, Federal Agency, Unique Control Number, Delivery Order number, shipping date, warranty end date, Government User, point of contact and telephone number.

## 7.3 Report Format

The initial report format will be provided by Team CODEplus for Government review and approval no later than 30 calendar days after issuance of the Contract effective date specified in the Notice to Proceed.

The warranty will not apply if damage to the equipment is occasioned by fault or negligence of the Government. During the equipment warranty period, Team CODEplus will implement changes to correct equipment and software malfunctions in accordance with best commercial practices.

The implementation will be in accordance with a mutually agreed-upon schedule. These changes shall be made at no additional cost to the Government. The warranty will fully protect the Government against equipment malfunctions due to material defects, workmanship, or intrinsic operating problems. The warranty period for items ordered by delivery order will begin upon Government acceptance of the equipment. In the event Team CODEplus is authorized to use a Certificate of Conformance, the warranty period for items ordered by a delivery order will begin on the date of shipment. The warranty period for items ordered by purchase card shall be in accordance with the paragraph entitled "Government-Wide Commercial Purchase Card" in Part C-1-1. The warranty shall include mail-in procedures and on-call procedures as specified below.

### 7.3.1 Warranty Mail-In/Carry-In Procedures

For warranty mail-in service, Team CODEplus will bear all shipping costs, both from and back to Government sites. Team CODEplus will be responsible for equipment from the time of receipt until safe return to the Government. The Government will provide Team

CODEplus with any unusual transportation instructions for return shipment after repair. When the User does not require the same serial number equipment, Team CODEplus will ship a replacement item no later than 24 hours after notification of failed Passive RFID EPC components. If the User requires the same serial number equipment, Team CODEplus will restore all malfunctioning equipment covered under warranty to a fully operational condition and ship the equipment back to the User no later than ten workdays after receipt of the failed equipment (CONUS and OCONUS). In the event a same serial number component requested by the User cannot be repaired, Team CODEplus shall notify the Government User no later than three workdays after receipt of the component at Team CODEplus facilities. The Government User will provide Team CODEplus with disposition instructions for un-repairable Passive RFID EPC components. These activities will be carried out through the Team CODEplus Web site, RFID Service Center.

### 7.3.2 Warranty On-Call Procedures

Team CODEplus will provide on-call warranty service for Passive RFID EPC Multi-Protocol Fixed Readers in both CONUS and OCONUS. For CONUS locations, Team CODEplus will provide on-call repair no later than five workdays of notification and for OCONUS locations, on-call repair no later than seven workdays of notification. Team CODEplus will provide on-call warranty service outside the official hours of operation when required by the using activity. When warranty service outside the official hours of operation is ordered in CONUS locations, Team CODEplus will replace or return the equipment to a fully operational status no later than five calendar days from the time that CODEplus is notified of the malfunction. For OCONUS locations, Team CODEplus will replace or return the equipment to fully operational status no later than seven calendar days of notification. Team CODEplus will provide on-call warranty service support to repair the item on-site.

### 7.3.3 Warranty Replacement Parts

Team CODEplus will only use new parts or parts warranted as new by the OEM for repairs of failed Government Passive RFID EPC components. All replacement parts will be equal to or better than the replaced parts in terms of quality and performance. The warranty for all replacement items installed during the initial warranty period will be equal to the remaining warranty period for the original item, or 90 calendar days, whichever is greater. Failed parts replaced by Team CODEplus will become Team CODEplus' property. However, the Government reserves the right to purchase unserviceable parts containing sensitive or classified material, as required by statute or regulation.

# Section 8: Maintenance Support

## 8.1 Introduction

Section 8 describes the available maintenance services to users worldwide. This Section also includes instructions for ordering maintenance support.

## 8.2 Maintenance Procedures

Team CODEplus will replace or return equipment to a fully operational status and ship the equipment back to the user or repair facility no later than ten workdays after receipt of the failed equipment (CONUS and OCONUS). Transportation arrangements shall be in accordance with the provisions of the following paragraph entitled “Transportation.”

In the event that a Passive RFID EPC component cannot be repaired or if any discrepancy is noted between the equipment received and the Task Order, Team CODEplus will notify the user no later than three workdays after receipt of the component at Team CODEplus facilities. The user will provide Team CODEplus with disposition instructions for un-repairable Passive RFID EPC components.

## 8.3 Maintenance Types

### 8.3.1 Mail-in Maintenance

Team CODEplus will provide mail-in maintenance to include parts and labor on a monthly and per-incident basis for Passive RFID EPC multi-protocol fixed readers, handheld readers, and printers. In accordance with the following paragraph entitled “Transportation,” Team CODEplus will be responsible for transportation back to the user for all mail-in items.

### 8.3.2 On-Call Maintenance

Team CODEplus will provide worldwide on-call maintenance for Passive RFID EPC multi-protocol fixed readers, handheld readers, and printers. When maintenance service is ordered in CONUS locations, Team CODEplus will replace or return the equipment to a fully operational status no later than five workdays from the time that Team CODEplus is notified of the malfunction. For OCONUS locations, Team CODEplus will replace or return the equipment to fully operational status no later than seven workdays of notification.

Team CODEplus will provide on-call maintenance outside the official hours of operation when required by the using activity. When maintenance outside the official hours of operation is ordered for CONUS locations, Team CODEplus will replace or return the equipment to a fully operational status no later than three workdays days from the time that Team CODEplus is notified of a failure. When maintenance outside the official hours of operation is ordered for OCONUS locations, Team CODEplus will replace or return the equipment to fully operational status no later than five calendar days of notification.

Team CODEplus will provide the required maintenance service in accordance with the Task Order issued for the instant requirement; or in accordance with a Task Order for monthly maintenance; or in accordance with a Task Order issued pursuant to the subparagraph entitled "Special Funding of Per Incident Maintenance" in Part C-1-1.

## 8.4 Maintenance Records

Team CODEplus provides the user with status of repair by an e-mail query from the user, telephone query, facsimile, or web site method for query. Team CODEplus maintains these records for the life of this Contract. Team CODEplus permits a designated Government representative to have read-access to these records for ad hoc queries. Team CODEplus provides the Government representative with information needed to access and generate ad hoc queries. Team CODEplus maintains records for warranty and maintenance repair to pRFID equipment. Team CODEplus' records include:

- RMA number
- Name
- Organization
- Location
- Equipment name
- UID (or serial number, if UID is not required),
- Approximate date of manufacture,
- User diagnosis
- Repair diagnosis
- Date received
- Status of repair
- Date returned

### 8.4.1 Equipment Return and Tracking

Team CODEplus will provide a method to enable the Government user and Team CODEplus to quickly identify and track Passive RFID EPC components sent to a Team CODEplus RC for maintenance. Team CODEplus will assign an RMA number and inform the user of the RMA number as the tracking number and serial number for each RFID component returned. These activities will be carried out through the Team CODEplus Web site, RFID Service Center.

## 8.5 Repair Center Hours of Operation

Each RC is operational between the hours of 8:00 A.M. through 5:00 P.M., local time, Monday through Friday. This excludes Federal and Host Nation Country holidays in the geographic location of the RC.

### 8.5.1 Transportation

Transportation of Passive RFID EPC components shipped to Team CODEplus for maintenance will be arranged and paid for by the Government. Return transportation of repaired or replaced components shipped to the User will be arranged and paid for by Team CODEplus. Team CODEplus will use a return shipping method equal to or better than the user's method of shipment to Team CODEplus. The Government will provide

Team CODEplus with any unusual transportation instructions for return shipment after repair.

### 8.5.2 Packaging

The Government reserves the right to add a transit case(s) to the Contract to support missions that require rapid deployment worldwide of groups of pRFID equipment. In the event the Government has a requirement to add a transit case(s) to the Contract, the Contracting officer will request a CCP, and Team CODEplus will submit a CCP in accordance with the paragraphs "Current Technology Substitutions and Additions" and "Contract Change Proposal (CCP) Response Time" in Part C-1-1 and other applicable paragraphs in this Contract.

### 8.5.3 Maintenance Replacement Parts

Team CODEplus maintenance support will utilize only new parts, or parts warranted as new by the Original Equipment Manufacturer, for repairs of failed Government Passive RFID EPC components. Additionally, all replacement parts will be equal to or better than the replaced parts in terms of quality and performance. Failed parts replaced by Team CODEplus will become the property of Team CODEplus. However, the Government reserves the right to purchase unserviceable parts containing sensitive or classified material, as required by statute or regulation to be destroyed or retained by the Government. The effective warranty for all replacement items installed during the maintenance period shall be a minimum of 90 calendar days.

### 8.5.4 Preventive Maintenance

Preventive maintenance includes all actions performed in an attempt to retain an item in a specified condition by providing systematic inspection, detection, and prevention of incipient failures. Unless otherwise specified, Government personnel will perform all preventive maintenance for items acquired under this Contract. Team CODEplus will provide to the Government, in detail, all requirements and procedures for preventive maintenance and troubleshooting-level diagnostics, in documentation and user manuals. Team CODEplus will provide Material Safety Data Sheets to the COR and all users as specified in the individual order in accordance with FAR Clause 52.223-3 in Part C-1-1. Team CODEplus will provide documentation for each appropriate hardware CLIN that will include preventive maintenance checks, service schedules, and troubleshooting-level diagnostics. Team CODEplus will be responsible for all other maintenance and support.

### 8.5.5 Monthly Maintenance

The Government may, at its sole discretion, order monthly maintenance to be effective immediately upon the expiration of the warranty and continuously thereafter for any item for which monthly maintenance is provided. If the Government orders monthly maintenance after a lapse in coverage due to the expiration of the warranty or a lapse in monthly maintenance, then Team CODEplus may subject such items to inspection to assure that the item is in proper working order. If any such item requires repair, the Government must order per incident maintenance for that item before Team CODEplus is required to accept that item under monthly maintenance. Team CODEplus will then accept for monthly maintenance any item that it has inspected and found to be in working order, any item for which inspection is not requested no later than seven

calendar days after receipt of order for monthly maintenance or any item after completion of per incident maintenance.

## **8.6 Ordering Maintenance**

All maintenance is obtained by submitting a Delivery Order on SF 1449. Delivery orders must be completed and distributed in accordance with instructions from Section 1, "Ordering Procedures", of this Ordering Guide. Maintenance must be ordered on a separate delivery order and cannot be combined with orders for hardware or other services.

## Section 9: CLIN List and Prices

Section 9 provides the CLIN List and Prices for the base year of the Contract, and shall be updated prior to the commencement of each Option Year.

CLIN	Description	Unit of Issue	Unit Price
0001	<b>Fixed Reader Class 1, Gen 2</b>		
0001AA	<b>Fixed Reader, RFID EPC Class 1, Gen 2, with Software and Documentation IN510WD000-006</b> IOne Infinity 510 Reader, Worldwide frequency 860-960MHz, DC power, 64 MB Flash, 64 MB RAM  2 Antennas (860 -960 MHz RHCP, AN-CIRC860960-1)  2 Antenna Cables (8m N-Type male to RN-TNC plug LM-240 cable, CA-NMRPTNcplug-8M-1)  2 Antenna Mounting Brackets Kit (PN-MOUNTKIT-002)	EA	\$ 2,050.00
0001AB	<b>Mounting Kit for Fixed ReaderKIT, MOUNTING, WALL, EDGE SERVER</b> (Infinity 510 Mounting bracket kit) PN-MOUNTKIT-001	EA	\$ 49.00
0002	<b>Hand-Held Reader, Class 1, Gen 2</b>		
0002AA	<b>Passive RFID, Non-Incendive 902-928 MHz, EPC Class 1, Gen 2, Multi-Protocol HHR with Software and Documentation</b> Bartec - B7-A229RGKHJEFR700  Rechargeable Battery KT-21-61261-01 (2)  Cable Adapter Module. (3.3v-500mAH) ADP9000-100R  Power Supply 100-240 VAC, 12DC, 3.33A KT-14000-148R  AC-Line Cord	EA	\$ 4,450.00
0002AB	<b>Rechargeable Battery</b> Motorola KT-21-616261-01	EA	\$ 165.00
0002AC	<b>Battery Charger</b> Motorola 1 slot Cradle, w/spare , charging CRD9000-1001SR Power Supply, 100-240 VAC, 12VDC,3.33A AC Line Cord, USB Cable 25-64396-01R, 3 Year support	EA	\$ 205.00
0002AD	<b>Hands-Free Carrying Device</b> Motorola SG-MC9021210-01R for MC9090	EA	\$ 45.00

CLIN	Description	Unit of Issue	Unit Price
0002AE	<b>A C Adapter</b> <b>Motorola MC9090 Cable Adapter Module (3.3v-500mAh) ADp9000-100R</b> Power Supply, 100-240 VAC, 12VDC, 3.33A KT-14000-148R AC Line Cord	EA	\$ 75.00
0010	<b>General Purpose Passive RFID EPC Class 1, Gen 2, Tag</b>		
0010AA	<b>4" X 2" General Purpose RFID Tag</b> (Gen 2 Tags) Kennedy Group Smart Therm, <b>SL42D2I</b> , 1 Roll contains 2500 Labels Unit	EA	\$ 0.14
0010CA	<b>4" X 6" General Purpose RFID Tag</b> (Gen2 Tags) Kennedy Group Smart Therm, <b>SL46D2I</b> , 1 Roll contains 1000 Labels	EA	\$ 0.14
0015	<b>Thermal Transfer Printer</b>		
0015AA	<b>Thermal Transfer Printer with Software and Documentation</b> Intermec PM4C414310300020 3.3 -4° to 120° F operation 4.1.1.4 Write - Read - Verify Tag Info / embedded Bar Code Label and Form Design Software / firmware upgradeable / thermal transfer 203+ DPI / Grade A print quality 4+ inch print width / USB, parallel, & ethernet / skip & mark unusable tags	EA	\$ 2,150
0015AB	<b>Wireless Upgrade to the Printer</b> 3.13 Internet Protocol Version 6 (IPv6) EasyLAN Wireless Kit (802.1X, Field Installable 1-971146-800	EA	\$ 374.00
0015AC	<b>Operator's Maintenance Kit</b> Intermec 1-110501-00, Cleaning Card, 4.5x6", box of 25	EA	\$ 13.00
0015AD	<b>Replacement Print Head;</b> Intermec 1-010043-900	EA	\$ 146.00
0015AE	<b>4" Resin-Based Ribbon;</b> Intermec 13634118	EA	\$ 52.00
0030	<b>Software</b>		
0030AA	Application Development Software; eManageIT RFID Business Logic Platform, Media Kit v1.00	EA	\$ 11.00
0030BA	Application Development Software License ( <b>eManageIT RFID Business Logic Platform</b> )	EA	\$ 3,700.00
0030CA	Application Development Special Tool Kits/Utility Libraries; eManageIT RFID Business Logic Tools and Kits, Media Kit v1.00	EA	\$ 11.00
0030DA	Application Development Software Special Tool Kits/Utility Libraries License ( <b>eManageIT RFID Business Logic Tools and Kits</b> )	EA	\$ 1,390.00
0030EA	Hand-Held Software Development Kit; eManageIT RFID Handheld Application, Media Kit v1.00	EA	\$ 11.00
0030FA	Hand-Held Software Development Kit License ( <b>eManageIT RFID Handheld Application</b> )	EA	\$ 699.00
0050	<b>Training</b>		

CLIN	Description	Unit of Issue	Unit Price
0050AA	Web-Based Training	EA	\$ 11,965.00
0050BA	CD-ROM Training	EA	\$ 8,974.00
0060	<b>Technical Engineering Services</b>		
006001	Project Manager - Contractor Site	HR	\$ 162.00
006002	Senior Information Systems Engineer - Contractor Site	HR	\$ 162.00
006003	Senior Programmer - Contractor Site	HR	\$ 123.00
006004	Junior Programmer - Contractor Site	HR	\$ 92.00
006005	Programmer / Analyst - Contractor Site	HR	\$ 113.00
006006	Systems Analyst - Contractor Site	HR	\$ 113.00
006007	Senior Software Systems Engineer - Contractor Site	HR	\$ 122.00
006008	Software Systems Designer - Contractor Site	HR	\$ 107.00
006009	Senior Systems Engineer - Contractor Site	HR	\$ 157.00
006010	Systems Engineer - Contractor Site	HR	\$ 116.00
006011	Data Comm / Network Specialist - Contractor Site	HR	\$ 116.00
006012	RF Technical Radio Specialist - Contractor Site	HR	\$ 107.00
006013	Senior Field Engineer - Contractor Site	HR	\$ 122.00
006014	Technical Writer - Contractor Site	HR	\$ 77.00
			\$ -
006051	Project Manager - Government Site	HR	\$ 144.00
006052	Senior Information Systems Engineer - Government Site	HR	\$ 144.00
006053	Senior Programmer - Government Site	HR	\$ 110.00
006054	Junior Programmer - Government Site	HR	\$ 82.00
006055	Programmer / Analyst - Government Site	HR	\$ 101.00
006056	Systems Analyst - Government Site	HR	\$ 101.00
006057	Senior Software Systems Engineer - Government Site	HR	\$ 109.00
006058	Software Systems Designer - Government Site	HR	\$ 95.00
006059	Senior Systems Engineer - Government Site	HR	\$ 140.00
006060	Systems Engineer - Government Site	HR	\$ 104.00
006061	Data Comm / Network Specialist - Government Site	HR	\$ 104.00
006062	RF Technical Radio Specialist - Government Site	HR	\$ 95.00
006063	Senior Field Engineer - Government Site	HR	\$ 109.00
006064	Technical Writer - Government Site	HR	\$ 69.00
006099	Travel and Per Diem (Contractor shall include a breakout of the proposed travel and per diem in the task order proposal.)	LT	TBD
0065	<b>Incidental Materials</b>	LT	\$ 50,000.00
0075	<b>Expedited Delivery</b>		
0075AA	Expedited Delivery - CONUS	LT	TBD
0075AB	Expedited Delivery - OCONUS	LT	TBD

CLIN	Description	Unit of Issue	Unit Price
1001	<b>Maintenance Support - Fixed Reader</b>		
1001AA	Per Incident Mail-in - CONUS	EA	\$1,205.00
01001AB	Per Incident Mail-in - OCONUS	EA	\$1,807.00
1001AC	Monthly Mail-in - CONUS (per unit)	MO	\$24.00
1001AD	Monthly Mail-in - OCONUS (per unit)	MO	\$34.00
1001AE	On-call - CONUS	EA	\$1,991.00
1001AF	On-call - CONUS - Outside Official Hours	EA	\$2,564.00
1001AG	On-call - OCONUS	EA	\$2,807.00
1001AH	On-call - OCONUS - Outside Official Hours	EA	\$3,533.00
1002	<b>Maintenance Support - Hand-Held Reader</b>		
1002AA	Per Incident Mail-in - CONUS	EA	\$1,534.00
1002AB	Per Incident Mail-in - OCONUS	EA	\$1,993.00
1002AC	Monthly Mail-in - CONUS (per unit)	MO	\$29.00
1002AD	Monthly Mail-in - OCONUS (per unit)	MO	\$37.00
1002AE	On-call - CONUS	EA	\$1,812.00
1002AF	On-call - CONUS - Outside Official Hours	EA	\$1,996.00
1002AG	On-call - OCONUS	EA	\$2,596.00
1002AH	On-call - OCONUS - Outside Official Hours	EA	\$2,356.00
1015	<b>Maintenance Support for Thermal Printer</b>		
1015AA	Per Incident Mail-In - CONUS	EA	\$893.00
1015AB	Per Incident Mail-In - OCONUS	EA	\$1,160.00
1015AC	Monthly Mail-In - CONUS (per unit)	MO	\$12.00
1015AD	Monthly Mail-In - OCONUS (per unit)	MO	\$18.00
1015AE	On-call - CONUS	EA	\$1,355.00
1015AF	On-call - CONUS - Outside Official Hours	EA	\$1,528.00
1015AG	On-call - OCONUS	EA	\$1,762.00
1015AH	On-call - OCONUS - Outside Official Hours	EA	\$1,986.00
1016	<b>Maintenance Support for Wireless Printer</b>		
1016AA	Per Incident Mail-In - CONUS		\$893.00
1016AB	Per Incident Mail-In - OCONUS		\$1,160.00
1016AC	Monthly Mail-In - CONUS (per unit)		\$12.00
1016AD	Monthly Mail-In - OCONUS (per unit)		\$18.00
1016AE	On-call - CONUS	EA	\$1,355.00
1016AF	On-call - CONUS - Outside Official Hours	EA	\$1,528.00
1016AG	On-call - OCONUS	EA	\$1,762.00
1016AH	On-call - OCONUS - Outside Official Hours	EA	\$1,986.00
1030	<b>Maintenance Support for Application Development Software (CONUS/OCONUS)</b>	EA	\$ 809.00