



VA Eastern Colorado Health Care System Initial Outfitting & Transition

General Conditions and Statement of Work

LV07 – Synchronized Clocks

Version 1.1

7/20/2017

Table of Contents

1	Introduction	1
2	General Conditions	1
2.1	2.1 General Operation.....	1
2.2	Drawing Documents and Specifications	2
3	Procurement Specific Requirements.....	2
3.1	Technical Requirements	2
3.2	Project Management Requirements	Error! Bookmark not defined.
3.3	Installation Requirements.....	4
3.4	Warranty.....	5
3.5	Performance.....	5
3.6	Acceptance of General Conditions.....	5
4	Operations & Maintenance	5

LV07 – Synchronized Clocks

1 Introduction

The Veteran Affairs Eastern Colorado Health Care System (VA ECHCS) wishes to enter into an agreement to purchase LV7 – Synchronized Clocks with an authorized vendor for the installation and service (customer, support, and maintenance) at the Denver Replacement Facility, at 1700 Wheeling Street, Aurora CO 80045.

The Contractor shall provide hardware, software, and all services necessary to install the required synchronized clocks. General Conditions Synchronized networked clocks are used in medical applications for documentation of patient events and adherence to schedules for patient care. This requirement is for digital clockS with 2.5" and 4" letter size, red LED digits (six digit face) which can be easily seen by clinical staff. The clocks connect to Power Over Ethernet (PoE) ports connected back to a customer provided server and software provided by the vendor.

2 General Conditions

2.1 General Operation

- 2.1.1** This acquisition is part of the initial outfitting and activation of the new Denver VA Medical Center being constructed in Aurora, CO. Delivery will be coordinated with the successful contractor after award of the contract. The Awardee Contractor shall contact the Technical Onsite Point of Contact (POC) for this RFQ to schedule a pre-delivery meeting to be conducted approximately 30 Days before the initial award delivery date for verification of delivery dates. Technical On-Site POC for this RFQ is as follows:

Lauren Hill (C) 407.233.7054 (W) 720.857.5935

Email – Lhill@MartekGlobal.com

- 2.1.2** The Awardee Contractor may be required to adjust the delivery date from the date specified in the contract award document, due to situations beyond the Governments control. The Government has the right to adjust the contract award delivery date for up to 90 days at no cost to the Government.

- 2.1.3** On-Site assembly and installation of items, and performance of services identified in this document will take place during normal business hours which are defined as: 0700 to 1600 (i.e.: 7:00am to 4:00pm Mountain Standard Time), Monday through Friday, and excluding Federal Holidays.

2.1.4 Delivery Location

- 2.1.4.1** Contractor shall deliver all equipment to the Eastern Colorado Health Care System, PVN Dock, 1700 N. Wheeling Street, Aurora, CO 80045

2.1.5 Delivery Markings

- 2.1.5.1** Contractor shall deliver items in manufacturer's original sealed containers with manufacturer's name clearly marked thereon. Deliveries shall be marked with the PO and Contract Number.

2.1.6 Delivery Coordination

- 2.1.6.1** All deliveries shall be coordinated with the onsite Points of Contacts (POC) for deliveries. Deliveries that are not properly coordinated will be the subject of deliveries being rejected.

2.1.7 Site Delivery Conditions

- 2.1.7.1** There shall be no smoking, eating, or drinking inside the construction site at any time.

General Conditions and Statement of Work

LV07 – Synchronized Clocks

- 2.1.7.2 The vendor will protect all finished spaces and surfaces at no additional cost to VA ECHCS. The vendor will be responsible for paying for and repairing any damage or noted deficiencies to finished spaces and surfaces that occur as a result of the vendor's (or associated sub-contractors) installation.
- 2.1.7.3 Prior to starting work, the vendor and associated personnel (including subcontractors) will be required to attend a site safety training program, and adhere to its Personal Protective Equipment (PPE) requirements (i.e. hard hat, steel toe boots, high visibility vest, safety glasses, gloves). The length of the training is approximately 2 hours.
- 2.1.7.4 There are no dumpsters available for vendor use. Vendor shall be responsible for removal of all trash generated from installation.
- 2.1.7.5 Vendor shall provide at least two copies of User and service manual for network hardware. Electronic copy is acceptable.

2.2 Drawing Documents and Specifications

- 2.2.1 VA ECHCS will have the right to use, for all its purposes, all final design CAD drawings (including shop drawings, REVIT/CAD, or pdf drawings, etc.), specifications, and any other documentation submitted by the awardee at no additional cost to VA ECHCS. CAD drawings should include locations of all clocks and major network hardware components

3 Procurement Specific Requirements

3.1 Technical Requirements

- 3.1.1 Power over Ethernet synchronized clock system requirements and intent
- 3.1.2 Equipment Features and Characteristics: The vendor shall provide a system complete with equipment that contains the following features or characteristics, at a minimum will have:
 - 3.1.2.1 12- or 24-hour time display
 - 3.1.2.2 PM indicator light for use with 12 hour display
 - 3.1.2.3 Automatically adjust for Daylight Saving Time
 - 3.1.2.4 Alternating time and date display option
 - 3.1.2.5 LED dimmer option (75%, 50%, 25%)
 - 3.1.2.6 Power outage memory backup for up to 1 hour
 - 3.1.2.7 Operating temperature range: 32°- 95°F (0°- 35°C) and Storage temperature range: -20° - 185°F (-29°- 85°C)

3.1.3 Equipment

3.1.3.1 JSN F3200.B: Surface Mounted Power over Ethernet Clock (2.5" Display)

- **Dimensions:**
 - Clock housing: not to exceed 5" Height x 13.8" width x 2.2 depth
 - Red LED digits: 2.5" letter size, Six Digits
- **Portability/Mobility:**
 - Flush mounted into wall

General Conditions and Statement of Work

LV07 – Synchronized Clocks

- **Utility/Power Requirements:**
 - Unit will be IEEE 803.3af compliant PoE (Power over Ethernet)
 - 12.9 Watts peak power consumption
 - RJ45 Connection compatible /
 - Auto synchronization capability

3.1.3.2 JSN F3200.A Surface Mounted Power over Ethernet Clock (4.0" Display)

- **Dimensions:**
 - Clock housing: not to exceed 8.0" Height x 23.3" width x 2.4" depth
 - Red LED digits: 4.0" letter size, six digits
- **Portability/Mobility:**
 - Surface mounted on wall with 4° Slope Bracket
- **Utility/Power Requirements:**
 - Unit will be IEEE 803.3af compatible PoE (Power over Ethernet)
 - 12.9 Watts peak power consumption
 - RJ45 Connection compatible
 - Auto synchronization capability

3.1.3.3 Additional software and Accessories:

- The following list the minimum requirements for supplies and accessories that are to accompany this item/system:
- Provide Applications Management Platform (AMP) web based interface for managing the versioning and upgrades of the clock and SNS software.
- Provide Ethernet port for synchronization via Network Time Protocol (NTP); IT network provided by customer
- Provide clear plastic cover/guard with gasket to protect digital face of clock
- Provide mounting brackets for surface mounted clocks and flush mounting boxes for flush mounted clocks.

3.1.3.4 Network Requirements: Clock shall communicate with SNS Application Management Platform (previously provided by Primex through Kewit-Turner Construction Contractor)

3.1.4 The VA requires the item identified in Tables 4 and 6 below. A specific make and model were used for planning purposes during the construction of the Denver Replacement Facility, which is identified in the Equivalency column in that table.

Table 1 – Item Requirement Summary

Item Number	Item Description	Equivalency
F3200.B	Clock, Networked, Surface Mounted (2.5" Display)	Primex C2005X202E

The item is required in the Denver Replacement Facility buildings as identified in Table 5. For anticipated delivery/installation dates the vendor should reference section 2.3 above.

Table 2 – Item Quantity by Building

Building Name	Building # & Letter	Acronym	Quantity
Diagnostic and Treatment South and North	3/D and F	DAT	10

Table 6 – Item Requirement Summary

General Conditions and Statement of Work

LV07 – Synchronized Clocks

Item Number	Item Description	Equivalency
F3200.A	Clock, Networked, Surface Mounted (4.0" Display)	Primex C2005X203E

Table 7 – Item Quantity by Building

Building Name	Building # & Letter	Acronym	Quantity
Diagnostic and Treatment South and North	3/D and F	DAT	32
Inpatient Building South	4/H	IBS	5
Inpatient Building North	5/K	IBN	2
Inpatient Building South (Storage for Spares)	4/H	IBS	5

3.2 Installation Requirements

- 3.2.1** The vendor is required to complete assembly and installation of all systems and items detailed herein. Planning has been conducted to ensure sufficient infrastructure (i.e., power, data, cabling/infrastructure and other utilities as necessary) is available at the installation locations for the items. The vendor is NOT required to provide any changes to the infrastructure of the building. Installation includes 49 items and does not include 5 spare items.
- 3.2.2** The vendor is required to coordinate and complete installation at the Denver Replacement Facility with VA ECHCS.
- 3.2.3** The vendor is required to define the need for a staging area to accommodate item assembly and installation, if needed. Post-award, this information will be confirmed with the vendor.
- 3.2.4** The vendor is required to provide tools, labor and materials to complete assembly and installation of the items detailed in this document.
- 3.2.5** The vendor will protect all finished spaces and surfaces at no additional cost to VA ECHCS. The vendor will be responsible for paying for and repairing any damage or noted deficiencies to finished spaces and surfaces that occur as a result of the vendor's (or associated sub-vendors) installation.
- 3.2.6** During the entire duration of assembly and installation, the vendor will have a competent representative on-site as the vendor's contact, and to serve as the interface between the vendor and VA ECHCS. All instructions provided from VA ECHCS to the representative will be binding as if given to the vendor's main contact.
- 3.2.7** For equipment only, upon installation the vendor is required to have equipment verified by a VA Representative to ensure it is in working condition according to the manufacturer's technical specifications. Verification by the VA Representative is required prior to vendor payment.
- 3.2.8** Use of Premises
- 3.2.8.1** During the performance of this contract, work will be carried out on VA ECHCS premises. The vendor will perform all work in such a manner that will cause a minimum interference with VA ECHCS operations and the operations of other vendors on the premises.
- 3.2.8.2** The vendor will coordinate and cooperate with VA ECHCS's general vendor and construction manager during delivery and installation activities.

General Conditions and Statement of Work

LV07 – Synchronized Clocks

- 3.2.8.3 The Denver Replacement Facility will be an active construction site during delivery and installation. The vendor will take all necessary precautions to protect the premises and all persons and property therein from damage or injury. The vendor will assume responsibility for taking precautions for the vendor's (and associated subvendors') employees, agents, licensees, and permittees.
- 3.2.8.4 Prior to starting work, the vendor and associated personnel (including subvendors) will be required to attend a general vendor's site safety training program, and adhere to its Personal Protective Equipment (PPE) requirements (i.e. hard hat, steel toe boots, high visibility vest, safety glasses, gloves). The length of the training will be between 1-4 hours, and is commensurate with the level of complexity involved with any services that may be required per section 5.

3.3 Warranty

- 3.3.1 The item(s) shall come with the manufacturer's standard warranty and shall transfer in full to the VA upon delivery and Government acceptance of the item(s).
- 3.3.2 All standard warranty clauses as stated in the FAR 52.212-4 and some from FAR 52.212-5 apply, as determined by the required item. Any additional requirements are identified in section 4.

3.4 Performance

- 3.4.1 The vendor will conduct all operations in the vendor's own name as an independent vendor and not in the name of, or as an agent for VA ECHCS.

3.5 Acceptance of General Conditions

- 3.5.1 It will be understood that each vendor has carefully examined the drawings, specifications, all other contract documents, and any other documents referred to therein, and thoroughly understands the conditions under which the work will be performed.

4 Operations & Maintenance

- 4.1.1 Provide current firmware updates and management for the synchronized clocks and SNS system via VA approval Cloud host.
- 4.1.2 The Contractor shall provide technical support through a call center for VHA medical center Biomedical Engineering staff maintaining the clocks and SNS system.