

AMENDMENT A00004 – Solicitation VA797H-12-R-0015

Delete:

Item 16 – Garment Exchange System (Uniform):

Furnish and install two (2) each Garment Exchange System with Video Security System and Spare Parts Kit.

Systems shall be installed at the following locations:

One (1) system to be located within the new laundry building at:

Department of Veterans Affairs Medical Center

4800 Memorial Drive

Laundry Facility – Building 222

Waco, TX 76711

One (1) system to be located within the new laundry building at:

Department of Veterans Affairs Medical Center

1901 South Veterans Memorial Blvd.

Temple, TX 76504

The systems installed must have enough storage capacity to accommodate approximately 1,000 employees. The garment exchange system shall have a color touch screen controls/ card reading & information systems” that incorporate automatic/manual machine operation, self-testing, fault display and built-in diagnostics.

GARMENT EXCHANGE SYSTEMS:

The systems shall be configured and meet the following:

Configuration and Capacity –

1. One system to be located in Waco’s present uniform issue area (Room) with a minimum capacity of 1000 users, all of whom will have an assigned slot. Each employee is issued 5 garments each.

2. The second system to be located in Temple’s uniform issue area (Room), with a minimum capacity of 1000 users, all of whom will have an assigned slot. Each employee is issued 5 garments each.

3. Two (2) each integrated enclosed video return bins with recording mechanism, interface with the UHF RFID garment tracking software.

4. Two (2) standard enclosed return bin located in uniform area (with video).

The successful offeror will remove existing garment systems and install new garment systems.

Provide all design and build services including wall construction, hook up of electric and air lines to equipment, PC units as required, all freight rigging and delivery

1) GENERAL REQUIREMENTS:

A. The systems shall provide automated dispensing and return of uniforms.

- B. There will be a secure locking door to prevent unauthorized access to the system. The door will only open upon an authorized user entering their 6 digit pin number at the touch screen.
- C. Uniforms can only be removed from the system at the designated access point.
- D. The conveyor is to be floor mounted.
- E. A comprehensive and integrated software system will be provided by the contractor.

F. Both the tracking software and operating software must be capable of being repaired and updates provided by remote access.

G. All machines must be programmed by garment tracking software using a stand alone network provided by the contractor. No data is to be transferred over the facility network. All transactions are recorded in a stand-alone centrally located database.

H. The conveyor will be loaded in a single operation by loading items to empty slots in sequential order.

I. The system must offer the option of "credit control", meaning that users can be denied access to clean items after exceeding their limit.

J. A complete package to include all peripherals (heat seal machine, labels, bar codes and/or man readable labels, PC units, all scanning hardware) must be provided by contractor

2) OPERATING SEQUENCE

A. To collect garments, the user enters their 6 digit PIN at the touch screen, which interfaces to the garment tracking software through the contractor provided stand alone network thus initiating distribution of uniforms.

B. The users retrieves his uniforms by opening the door after it has unlocked, and their uniform position is open. The user must have access only to their uniforms, and all other positions must be locked down by pneumatic plungers.

C. The uniform issue (on all systems) is recorded and sent to the software tracking system.

D. A debit is recorded in the software for each transaction performed by a user
The following operating features are specific to the upstairs scrub issue and return system.

E. Actual items issued are recorded by the antenna and sent to the software tracking system.

F. Clean scan – items are loaded to the system, and the conveyor is rotated one revolution. All loaded items are automatically scanned to clean.

G. Issue scan – when a user takes garments, they are debited to their account by the dual door antennae. Any items put back (taken in error) are credited by the inside antenna.

H. Soiled scan – soiled scanning is automatically done in bulk in a single operation in the laundry

3) CONTROL SOFTWARE

A. The contractor to furnish and install heavy duty touch screen keypads integrated with their equipment. These must be dedicated, ultra heavy duty touch screen models, membrane or manual touch pad keyboards are not acceptable. A separate touch screen must be provided for each of the video return bins as well as one each for the garment exchange systems.

B. The uniform management software shall be installed on a PC in a central location and will communicate through the provided stand alone network with all of the automation components.

C. The system shall include uniform management software to provide integrated garment tracking together with monitoring and control of a user database.

D. The machine shall be connected to a contractor provided server / computer and operate through the stand alone network to allow users to be added or deleted remotely. An additional copy of the software can be installed on the PC in the textile managers office to allow access to the management reporting functionality.

E. All uniforms will be entered in the tracking software. Uniforms will be equipped with a bar code and/or man readable label for identification purposes.

F. The software will be completely integrated with all machines so that a single suite of reports can provide data on user transactions, machine activity and garment movements. The entire uniform inventory will be managed by this software.

The software will also have the following integrated features

G. Interface to conveyor systems for all garments for automated distribution of assigned uniforms to employees.

H. Interface with deposit bins for drop off verification and credit control.

I. Track scrubs and uniforms to and from laundry, with ability to generate reports on laundry activity and appropriate cleaning charges.

J. Create Uniform Repair Order and monitor uniform repair activity.

K. Integrated electronic signature capture terminal for use when assigning or loaning uniforms to employees.

L. Integrated purchasing system

The following reports will be available from the software

- 1) Inventory Reports
- 2) Employee Reports
- 3) Purchasing Reports
- 4) Sales Reports
- 5) Repair Reports
- 6) Production Reports
- 7) Report Generator – Ability to create reports
- 8) Report Scheduler – Ability to schedule reports to be automatically emailed

4) VIDEO RETURN BINS FOR SOILED GARMENTS

A. System shall have an enclosed deposit bin which can be mounted in wall or used as a free standing bin in changing or common areas.

B. Each deposit system shall have an internal video camera, sensor, bin lock, event recorder and playback capability.

C. Each bin will be equipped with a heavy duty touch screen, to accurately identify user depositing soiled garments.

D. Bin will only unlock when an authorized user enters their PIN number.

E. Bin must interface to all other components through contractor provided stand alone network.

F. Records deposit by PIN number information and sends that data to the garment tracking software and issues credit to the users account.

G. Sequence of operation:

1) User enters PIN number at the reader, and the bin is unlockedVA-797-12-R-0015 Page **122** of **139**

- 2) Deposit two scrub (or uniform) pieces (one on each side of split bin) and close door
- 3) Video camera and sensor system send credit for deposit and record the items dropped off in the bin for future review should that be required (in the event a non-scrub item is found in the bin).
- 4) Access to debit for false deposits is available from the computer system
- 5) Electrical spec – 110V single phase, plug in to wall outlet capable

5) CONVEYOR HARDWARE SPECIFICATIONS

TRACK

The track is 1 5/16" O.D. x 13 gauge welded steel tubing, zinc plated to prevent corrosion. Cross members are 3" steel formed channel.

DRIVE

The conveyor drive is fractional horsepower direct drive motor built by Brother International, Horsepower selections are ½ and 1 HP both braking or non braking versions. This is coupled to a Hitachi Inverter for multiple voltage applications

Drive Sprocket

Integral flame cut steel laminated to a 54T RC sprocket, shaft diameter 1 1/4"

Two 1 ¼ " diameter, permanently lubricated, precision pillow block bearings support the drive sprocket.

Heavy duty drive utilizes 1 5/8" diameter sprocket shafts and pillow blocks.

Where applicable, drive options are supplied: dual drives, no-slack drive, increased horsepower, special gear reduction.

CONVEYOR CHAIN

Yokes

Each die cast aluminum yoke contains two load bearing wheels 1 3/8" diameter with nylon tires, on steel cores. Hardened inner races roll on steel ball bearings. Two nylon stabilizing rollers mounted on the underside of the yoke provide positive tracking of chain.

Frames

Conveyors have 10 slots in each 12" frame to separate orders. All frames have hardened hinge pins and spacers to minimize wear. Frames are steel, aluminum, or nylon, depending on conveyor model.

ELECTRICAL

The reversing motor starter has 24 volt coils with mechanical interlock. A U.L. listed, class two, step-down transformer mounted in the starter box, provides for a 24 volt current limiting control circuit. The electrical circuit has been approved and listed by ETL (Electrical Testing Laboratories).

24 Volt Operating Controls

All control wiring to operate the plungers, activate door locks, etc, will be 24V for user and operator safety.

Pneumatic plungers

There must be a set of 10 plungers to match the 10 slot frames. Plungers drop to block access to other user's garments when the issue door is opened

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INSERT:

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NOTE: Alternate systems that will be better for the facility and beneficial to the government will be considered.

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The systems installed must have enough storage capacity to accommodate approximately 1,000 employees. The garment exchange system shall have a color touch screen controls/ card reading & information systems” that incorporate automatic/manual machine operation, self-testing, fault display and built-in diagnostics.

GARMENT EXCHANGE SYSTEMS:

The systems shall be configured and meet the following:

1. One system to be located in Waco's present uniform issue area (Room) with a minimum capacity of 1000 users, all of whom will have an assigned slot. Each employee is issued 5 garments each.
2. The second system to be located in Temple's uniform issue area (Room), with a minimum capacity of 1000 users, all of whom will have an assigned slot. Each employee is issued 5 garments each.
3. Two (2) each integrated enclosed video return bins with recording mechanism, interface with the UHF RFID garment tracking software.
4. Two (2) standard enclosed return bin located in uniform area (with video).

The successful offeror will remove existing garment systems and install new garment systems. Provide all design and build services including wall construction, hook up of electric and air lines to equipment, PC units as required, all freight rigging and delivery

GENERAL REQUIREMENTS:

- A. The systems shall provide automated dispensing and return of uniforms.
- B. There will be a secure locking door to prevent unauthorized access to the system. The door will only open upon an authorized user entering their 6 digit pin number at the touch screen.
- C. Uniforms can only be removed from the system at the designated access point.
- D. The conveyor is to be floor mounted.
- E. A comprehensive and integrated software system will be provided by the contractor.

- F. Both the tracking software and operating software must be capable of being repaired and updates provided by remote access.
- G. All machines must be programmed by garment tracking software using a stand alone network provided by the contractor. No data is to be transferred over the facility network. All transactions are recorded in a stand-alone centrally located database.
- H. The conveyor will be loaded in a single operation by loading items to empty slots in sequential order.
- I. The system must offer the option of “credit control”, meaning that users can be denied access to clean items after exceeding their limit.
- J. A complete package to include all peripherals (heat seal machine, labels, bar codes and/or man readable labels, PC units, all scanning hardware) must be provided by contractor

OPERATING SEQUENCE

- A. To collect garments, the user enters their 6 digit PIN at the touch screen, which interfaces to the garment tracking software through the contractor provided stand alone network thus initiating distribution of uniforms.
- B. The users retrieves his uniforms by opening the door after it has unlocked, and their uniform position is open. The user must have access only to their uniforms, and all other positions must be locked down by pneumatic plungers.
- C. The uniform issue (on all systems) is recorded and sent to the software tracking system.
- D. A debit is recorded in the software for each transaction performed by a user

CONTROL SOFTWARE

- A. The contractor to furnish and install heavy duty touch screen keypads integrated with their equipment. These must be dedicated, ultra heavy duty touch screen models, membrane or manual touch pad keyboards are not acceptable. A separate touch screen must be provided for each of the video return bins as well as one each for the garment exchange systems.
- B. The uniform management software shall be installed on a PC in a central location and will communicate through the provided stand alone network with all of the automation components.
- C. The system shall include uniform management software to provide integrated garment tracking together with monitoring and control of a user database.
- D. The machine shall be connected to a contractor provided server / computer and operate through the stand alone network to allow users to be added or deleted remotely. An additional copy of the software can be installed on the PC in the textile manager’s office to allow access to the management reporting functionality.

- E. All uniforms will be entered in the tracking software. Uniforms will be equipped with a **bar code** and/or man readable label for identification purposes. A minimum of 3,000 bar codes shall be provided by the successful offeror.
- F. The software will be completely integrated with all machines so that a single suite of reports can provide data on user transactions, machine activity and garment movements. The entire uniform inventory will be managed by this software.

The software will also have the following integrated features

- G. Interface to conveyor systems for all garments for automated distribution of assigned uniforms to employees.
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- I. Create Uniform Repair Order and monitor uniform repair activity.
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REPORTS:

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VIDEO RETURN BINS FOR SOILED GARMENTS

- A. System shall have an enclosed lockable deposit bin which can be mounted in wall.
- B. Each deposit system shall have an internal video camera, sensor, bin lock, event recorder and playback capability.
- C. Each bin will be equipped with a heavy duty touch screen, to accurately identify user depositing soiled garments.
- D. Bin will only unlock when an authorized user enters their PIN number.
- E. Bin must interface to all other components through contractor provided stand alone network.
- F. Records deposit by PIN number information and sends that data to the garment tracking software and issues credit to the users account.

SEQUENCE OF OPERATION:

A. User enters PIN number at the reader, and the bin is unlocked

- B. Deposit two scrub uniform pieces (one on each side of split bin) and close door
- C. Video camera and sensor system send credit for deposit and record the items dropped off in the bin for future review should that be required (in the event a non-uniform item is found in the bin).
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PNEUMATICS PLUNGERS

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