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Approve/Authorize Administration to contract with Pref-Tech for \$417,762.55, and not to exceed \$450,000 with change orders, to source, install, and integrate access control, cameras, environmental sensors, and intrusion alarm systems at the Garland HS MCJROTC and tying into existing systems on the Garland HS campus.

# Proposal



To:  
**Charles Klein**  
**International Leadership of Texas**  
2021 Lakeside Blvd.  
Richardson, TX 75082  
C: 713-309-5046  
E: [cklein@ILTexas.org](mailto:cklein@ILTexas.org)

Submitted by:

**Preferred Technologies, LLC**  
3709 Promontory Point Drive, Ste. 106  
Austin, TX 78744  
Telephone: (281) 442-0550  
Facsimile: (281) 449-5597

Title: International Leadership of Texas, Garland HS MCJROTC and Takeover

Contract Number: DIR-CPO-4742

Date Submitted: 12/30/2022

Point of Contact: Alan Ham  
*Sales and Design Professional*

Proposal Amount: \$421,982.37  
DIR Cumulative Discount: \$4,219.82  
Final Total: **\$417,762.55**

Signed:

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Alan Ham  
*Sales and Design Professional*  
Preferred Technologies, LLC  
(346) 262-3792  
[alanham@pref-tech.com](mailto:alanham@pref-tech.com)



## Overview

Preferred Technologies, LLC. (Pref-Tech) will provide an access control system, video management system and intrusion detection system for International Leadership of Texas at Garland High School. Pref-Tech's work will be compliant with manufacturer requirements, applicable codes, and the highest industry standards.

## Scope of Work

Preferred Technologies, LLC. will perform the following tasks:

### **Garland HS Conversion**

- License
  - Pref-Tech will provide the necessary base software, device connection licenses and accompanying Advantage licensing for access control system and video management system functionality within Genetec Security Center.
- Head End Equipment
  - MDF
    - Pref-Tech will provide a Genetec Server in the MDF to serve as the local archiver for the video management system.
- Access Control
  - Pref-Tech will provide and install (1) access control enclosure in the MDF.
    - This enclosure will be equipped with the following parts:
      - Life Safety Power Unified Power Supply
      - (1) Mercury LP1502 Intelligent Controller
      - (1) Mercury MR52 Reader Board
      - (2) NP7-12V Batteries
    - The enclosure located in the MDF will be equipped with a Cloudlink. A patch cord will be used to connect this device to the switch.
  - Pref-Tech will provide (4) access-controlled door portals.
    - Pref-Tech will provide composite cabling infrastructure to supply power to the door hardware and devices for the newly added doors. Each of these connections will have integrated resistors for proper supervision.
    - Pref-Tech will convert (16) existing doors into the Genetec Synergis system.
    - Door configurations are as follows:
      - (4) Access-Controlled Single Door
        - This opening will be equipped with:
          - (1) Door position switches
          - (1) HID Signo Card Reader
          - (1) Electrified strike
  - Pref-Tech will provide and install (16) monitored doors. Each leaf will be equipped with a door position switch and associated 18/2 cabling to support them.
    - (16) are monitored double doors.
  - Pref-Tech will provide and install (1) 2N IP Verso Intercom unit.
    - This unit will be equipped with Bluetooth and RFID capabilities.
    - This unit will be equipped with a Wiegand module.



- Video Management
  - Pref-Tech will provide and install (36) cameras on the interior and exterior of the building. The quantities of each camera type are shown below. They will be installed at the locations shown in the drawings.
    - (14) Hanwha PNM-9085RQZ Multi-sensor Network Cameras
    - (5) Hanwha PNM-8082VT 3-sensor Dome Network Camaras
    - (11) Hanwha PNM-9000VD 2-Sensor Dome Network Camaras
    - (2) Hanwha PND-A6081RV Dome Network Camaras
    - (4) Hanwha PNM-9031RV 180 Panoramic Cameras
- Vape Sensors
  - Pref-Tech will provide and install (4) Halo IOT Vape Sensors in accordance with the drawings.
- Intrusion Detection
  - Pref-Tech will provide and install (1) DMP XR550 intrusion panel with power supply inside of the MDF.
  - Pref-Tech will provide and install (2) DMP 7060N-W keypads.
  - Pref-Tech will provide and install (31) DMP FX-360 Motion Detectors.
  - Pref-Tech will provide 18/4 cabling associated with the Intrusion Detection System.
- Structured Cabling
  - Pref-Tech will provide data drops in accordance with newly installed cameras and vapor sensors.
    - (12) CAT6 data drops will be provided.

## Garland HS MCJROTC

- License
  - Pref-Tech will provide the necessary base software, device connection licenses and accompanying Advantage licensing for access control system and video management system functionality within Genetec Security Center.
- Head End Equipment
  - MDF
    - Pref-Tech will provide a Genetec Server in the MDF to serve as the local archiver for the video management system.
- Access Control
  - Pref-Tech will provide and install (1) access control enclosure in the MDF.
    - This enclosure will be equipped with the following parts:
      - Life Safety Power Unified Power Supply
      - (1) Mercury LP1502 Intelligent Controller
      - (1) Mercury MR52 Reader Board
      - (1) Mercury MR16 Input Board
      - (2) NP7-12V Batteries
  - Pref-Tech will provide (3) access-controlled door portals.
    - Pref-Tech will provide composite cabling infrastructure to supply power to the door hardware and devices for the newly added doors. Each of these connections will have integrated resistors for proper supervision.



- Door configurations are as follows:
        - (2) Access-Controlled Double Door
          - This opening will be equipped with:
            - (2) Door position switches
            - (1) HID Signo Card Reader
            - (1) Electrified exit device
          - (1) Access-Controlled Single Door
            - This opening will be equipped with:
              - (1) Door position switches
              - (1) HID Signo Card Reader
              - (1) Electrified strike
  - Pref-Tech will provide and install (5) monitored doors. Each leaf will be equipped with a door position switch and associated 18/2 cabling to support them.
    - (5) are monitored single doors.
  - Pref-Tech will provide and install (1) 2N IP Verso Intercom unit.
    - This unit will be equipped with Bluetooth and RFID capabilities.
    - This unit will be equipped with a Wiegand module.
- Video Management
  - Pref-Tech will provide and install (11) cameras on the interior and exterior of the building. The quantities of each camera type are shown below. They will be installed at the locations shown in the drawings.
    - (1) Hanwha PNM-9084RQZ Multi-sensor Network Cameras
    - (5) Hanwha PNM-9085RQZ Multi-sensor Network Cameras
    - (2) Hanwha PNM-9000VD 2-Sensor Dome Network Camaras
    - (3) Hanwha PND-A6081RV Dome Network Camaras
- Vape Sensors
  - Pref-Tech will provide and install (2) Halo IOT Vape Sensors in accordance with the drawings.
- Intrusion Detection
  - Pref-Tech will provide and install (1) DMP XR550 intrusion panel with power supply inside of the MDF.
  - Pref-Tech will provide and install (1) DMP 7060N-W keypads.
  - Pref-Tech will provide and install (4) DMP FX-360 Motion Detectors.
  - Pref-Tech will provide 18/4 cabling associated with the Intrusion Detection System.
- NewLine Displays
  - Pref-Tech will install (6) IL Texas provided Newline Displays.
    - IL Texas will provide associated mounts for installation.
    - Pref-Tech will provide HDMI + USB wall connections behind the Newline display. These will connect the teacher's locations to the Newline display.
  - Pref-Tech will install (2) HDMI + USB wall connections for the Newline Display. (1) will be mounted in the front and (1) will be mounted in the back.



- Structured Cabling
  - Pref-Tech will provide and install the following configuration of data drops:
    - (18) CAT6 Data drops for connectivity.
    - (16) CAT6 Data drops for camera and vapor sensor additions.
- Pref-Tech Labor Service
  - Pref-Tech will provide project management services to include proper project facilitation and close out documentation to International Leadership of Texas.
  - Pref-Tech will provide a Genetec-certified programmer to configure and commission the system.
  - Pref-Tech will provide training on the Genetec system. An 8-hour course will be held for users of the system and an 8-hour course will be held for administrators of the system.

### Assumptions

The below assumptions were applied when pricing this project. The pricing in this proposal is contingent upon the validity of these assumptions. Additional charges may result if these assumptions be found false.

- Pref-Tech's work is limited to the installation of the bill of materials listed in the Pricing Sheet.
- Others will provide construction drawings in AutoCAD format for permitting.
- Others will provide all required 120VAC power.
- Others will coordinate the fire alarm tie-in with the fire contractor. Pref-Tech is not responsible for any fees from the fire alarm contractor for the tie-in.
- Others will provide all necessary network access, server and workstation permissions, and IP information.
- Others will provide physical access to all work locations.
- Others will provide pathway for cabling.
- Others will provide electrified door hardware unless specifically outlined in scope.
- Existing access control doors must have functional hardware in good condition in order for them to be converted.
- Others will prep doors and frames for door devices.
- Others will provide client workstations.
- Others will provide necessary wall space.
- All material shipments will be standard ground. If expedited shipping is required, then extra charges may apply.
- Taxes are excluded. If taxes apply, then Pref-Tech will apply the required taxes to each invoice.











|                   |           |                               | DOUBLE CAT 6 WALL DROP BLUE   |    | 18.00   |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
|-------------------|-----------|-------------------------------|---|----|---------|---------|----|-------------------|----------------------|-------|-----------------|----------------------|-------|----------------|--------------------|--------------|--------------|----------------------|--------------|--------------|--|
| DIR KIT COMPONENT | COMMSCOPE | CMP-00420CS34-6U-06           | CS-LNPRIS CS34P BLU C6 423 ULTP CRK 1KFT 23-4P UTP-PLENUM SOL BC CAT6 CS34P BLUE BOXED UN745099H410 | NA | 9000.00 | 9000.00 | FT | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | 969625                        | UNPRISE MODULAR RJ45 JACK CAT 6, UTP 8 POSITION, BLUE MD #76027778                                  | NA | 72.00   | 72.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | UC18BB2-02F007                | UNPRISE CATEGORY 6 ULTP PATCH CORD, RJ45 TO RJ45, 4-PAIR, NON-PLENUM, BLUE JACKET, 7 FT             | NA | 18.00   | 18.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | UC18BB2-02F001                | UNPRISE CATEGORY 6 ULTP PATCH CORD, RJ45 TO RJ45, 4-PAIR, NON-PLENUM, BLUE JACKET, 1 FEET           | NA | 18.00   | 18.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | 108168543                     | L-TYPE FLUSH MOUNTED FACEPLATE, FOUR PORT WHITE   | NA | 18.00   | 18.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | 107067928                     | M20 DUST COVER FOR M-SERIES FACEPLATES AND OUTLETS, WHITE   | NA | 36.00   | 36.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | CUSTOM                        | CABLE LABEL   | NA | 72.00   | 72.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
|                   |           |                               | SINGLE CAT 6 CEILING DROP BLUE (CAMERAS AND VAPE SENSORS)   |    | 16.00   |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
| DIR KIT COMPONENT | COMMSCOPE | CMP-00420CS34-6U-06           | CS-LNPRIS CS34P BLU C6 423 ULTP CRK 1KFT 23-4P UTP-PLENUM SOL BC CAT6 CS34P BLUE BOXED UN745099H410 | NA | 4000.00 | 4000.00 | FT | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | 969625                        | UNPRISE MODULAR RJ45 JACK CAT 6, UTP 8 POSITION, BLUE MD #76027778                                  | NA | 32.00   | 32.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | UC18BB2-02F007                | UNPRISE CATEGORY 6 ULTP PATCH CORD, RJ45 TO RJ45, 4-PAIR, NON-PLENUM, BLUE JACKET, 7 FT             | NA | 16.00   | 16.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | UC18BB2-02F001                | UNPRISE CATEGORY 6 ULTP PATCH CORD, RJ45 TO RJ45, 4-PAIR, NON-PLENUM, BLUE JACKET, 1 FEET           | NA | 16.00   | 16.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | COMMSCOPE | 197619                        | 6-PORT FLUSH MT UNLOADED SGL GANG M-SERIES 10816854 WHITE   | NA | 16.00   | 16.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | CUSTOM                        | CABLE LABEL   | NA | 32.00   | 32.00   | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
|                   |           |                               | CAT 6 PATCH PANELS  |    | 0.00    |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
| DIR KIT COMPONENT | COMMSCOPE | 531802                        | CS-LNPRIS UNP-6-DM-2U-48 48-PORT PATCH PANEL, CAT6, IP6, 110MM BLACK, 2U UNIVERSAL 760180069        | NA | 3.00    | 3.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
|                   |           |                               | CAT 8 A PATCH PANELS  |    | 0.00    |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
| DIR KIT COMPONENT | COMMSCOPE | 461432                        | CS-LNPRIS UNP-6-DM-1U-04 24-PORT PATCH PANEL, CAT8A, 110-MOD IP10 MOD BLACK, 1U 760162600           | NA | 4.00    | 4.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
|                   |           |                               | GEN CONS  |    | 1.00    |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
| DIR KIT COMPONENT | PREF-TECH | TRAIN                         | TRAIN   | NA | 1.00    | 1.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | DOCUMENTATION                 | DOCUMENTATION   | NA | 1.00    | 1.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | PROGRAMMING                   | PROGRAMMING   | NA | 1.00    | 1.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | PROJECT MANAGEMENT            | PROJECT MANAGEMENT  | NA | 1.00    | 1.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
| DIR KIT COMPONENT | PREF-TECH | PERMITTING                    | PERMITTING  | NA | 1.00    | 1.00    | EA | \$ -              | \$ -                 | 0.00% | \$ -            | \$ -                 | 0.75% | \$ -           | \$ -               | \$ -         | \$ -         | \$ -                 | \$ -         | \$ -         |  |
|                   |           |                               | GENERAL CONDITIONS  |    |         |         |    |                   |                      |       |                 |                      |       |                |                    |              |              |                      |              |              |  |
| DIR MATERIAL      | PREF-TECH | JLT-GARLAND HS-TRAVEL-1230202 | PER DIEM  | NA | N/A     | 1.00    | EA | \$ 57,426.45      | \$ 57,426.45         | 0.00% | \$ 57,426.45    | \$ 57,426.45         | 0.75% | \$ 430.70      | \$ 430.70          | \$ 57,857.15 | \$ 57,857.15 | \$ 57,857.15         | \$ 57,857.15 | \$ 57,857.15 |  |
| DIR MATERIAL      | PREF-TECH | JLT-GARLAND HS-TRAVEL-1230202 | TRAVEL  | NA | N/A     | 1.00    | EA | \$ 4,739.26       | \$ 4,739.26          | 0.00% | \$ 4,739.26     | \$ 4,739.26          | 0.75% | \$ 35.54       | \$ 35.54           | \$ 4,774.80  | \$ 4,774.80  | \$ 4,774.80          | \$ 4,774.80  | \$ 4,774.80  |  |
|                   |           |                               |   |    |         |         |    | <b>MSRP TOTAL</b> | <b>\$ 481,783.77</b> |       | <b>SUBTOTAL</b> | <b>\$ 418,841.06</b> |       | <b>DIR FEE</b> | <b>\$ 3,141.31</b> |              | <b>TOTAL</b> | <b>\$ 421,982.37</b> |              |              |  |



## *Acceptance of Proposal*

The Pref-Tech team thanks you for allowing us the opportunity to work with you on this project. To accept this proposal and allow Pref-Tech to proceed with the scope of work outlined above, please sign below and fax or email to your account executive.

My signature below constitutes acceptance of this proposed scope of work and the Terms and Conditions provided.

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Signature

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Name and Title

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Company

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Date



## Terms and Conditions

**This proposal is valid for 30 days.**

**This Proposal is subject to change based on unknown items that may occur as result of COVID-19** such as material delays, labor shortages, jobsite disruptions or governmental intervention. Even as the US is experiencing a wind-down, manufactures and production facilities are feeling the impacts limited by international imports (such as chip shortages), health and safety concerns, as well as economic impacts to their business. Lead times and production may be extended without warning. Projects with critical completion schedules should be coordinated with your **Pref-Tech SDP**.

### **Invoicing:**

- **Pref-Tech will Order and Invoice for 100% of the materials for the total contract amount.** This includes (but is not limited to) all material, software, consumables, and other items deemed necessary for the project.
- **Customer expressly allows Pref-Tech to invoice for stored materials.** Pref-Tech will store materials at the customer location or in the Pref-Tech bonded and insured warehouse and provide backup documentation with inventories by part number, pictures, etc., as requested by the Customer.
- **Customer expressly allows Pref-Tech to submit progressive invoices based upon completed work percentage or other production milestone.**

Payment terms are NET 30 days from the date of invoice. Past due amounts shall incur interest at 8% per annum, accrued daily from the date due (NET 30) until paid in full.

Pref-Tech may elect to preserve our right to perfect a bond or lien by sending notices in accordance with statutory requirements.

Any change to the scope of work or materials described in this proposal involving extra cost will only be effective upon the execution of a written change order by involved parties.

Pricing is conditional upon unrestricted access to all applicable areas where work is to be performed or access to and from areas where work is to be performed. Unless otherwise noted, the scope of work shown in this proposal is to be performed without delays. Additional trip charges may apply if delays caused by reasons outside of Pref-Tech's control are incurred.

Pref-Tech will guarantee all material and workmanship for a period of one year from the completion of the work included in this proposal. The warranty will commence upon final project acceptance and will terminate the 365<sup>th</sup> day beyond the date of final acceptance, regardless of warranty work conducted during the warranty period. The Owner is responsible for troubleshooting and identifying faults covered under this warranty. Additional fees may apply if Pref-Tech must troubleshoot issues for the Owner and/or if, during the course acting on a warranty request, Pref-Tech determines that the issue was not generated by failures in material or workmanship. Except for the foregoing warranty, Preferred Technologies specifically disclaims all other warranties, express or implied, including but not limited to the warranties of merchantability and of fitness for a particular purpose.

Pref-Tech shall not be liable for any special, consequential, incidental or exemplary damages or loss. Pref-Tech will not be responsible for equipment or parts which are in disrepair due to misuse, accident or mishandled by others not authorized to service this equipment during our agreement time. Pref-Tech will not be responsible for damages caused by fire, the elements, civil commotion, and malicious mischief, negligence of the customer, its agents or acts of God.

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