# Arena Security Access Control Sytem Upgrade

**RFI Line Items**

ECPU:ESTIMATED COST P/UNIT          PMP:POTENTIAL MINIMUM PURCHASE          PAP:POTENTIAL ANNUAL PURCHASE          PF:PURCHASE FREQUENCY          ETD:ESTIMATED DELIVERY TIME

| Product name | MFR | MFR product # | ECPU | Min qty | PMP | PAP | PF | ETD | Details |
|---|---|---|---|---|---|---|---|---|---|
| Access Control Sytem Upgrade | | | | 1 | | | 1 | 21 | SEE ATTACHED SCOPE OF WORK AND MATERIAL LIST |
| Totals | | | | | | | | | |

| Product name | MFR | MFR product # | ECPU | Min qty | PMP | PAP | PF | ETD | Details |
|---|---|---|---|---|---|---|---|---|---|
| 12V Battery | ULTRATECH | 1270 | | 42 | | | 1 | 21 | 12V 7AMP BATTERY (ULTRATECH – 1270) |
| 16-input Monitor Module | Genetec | Sy-MR16IN | | 11 | | | 1 | 21 | Mercury MR16IN 16-input Monitor Module (2 relays, PCB only, software connections included) (Genetec – Sy-MR16IN) |
| Camera Connection | Genetec | GSC-Om-E-1C | | 344 | | | 1 | 21 | Camera connection (Genetec – GSC-Om-E-1C) |
| Compact Mini Dome Outdoor Camera | AXIS COMMUNICATIONS INC | 0536-001 | | 7 | | | 1 | 21 | Compact, day/night fixed mini dome in a vandal-resistant casing for outdoor or indoor installation D/N, HDTV 1080p, PoE, 2mp. (AXIS COMMUNICATIONS INC – 0536-001) |
| Day/Night, Fixed Dome with Vandal-resistant Casing | AXIS COMMUNICATIONS INC | 0407-001 | | 6 | | | 1 | 21 | 5MP, day/night, fixed dome with vandal-resistant, IP66-rated outdoor casing. Varifocal 3-9 mm P-iris lens (AXIS COMMUNICATIONS INC – 0407-001) |
| EasyLobby Visitor Management Connection | Genetec | GSC-1SDK-HIDEASYLOBBY | | 1 | | | 1 | 21 | HID EASYLOBBY Secure Visitor Management (SVM) connection. EasyLobby SVM sold separately; please contact HID for quote. (Genetec – GSC-1SDK-HIDEASYLOBBY) |
| Emery Exit | SECURITRON | EEB2 | | 4 | | | 1 | 21 | EMERY EXIT BTN SNGL GANG 30SEC (SECURITRON -U.S. – EEB2) |
| Enterprise Package | Genetec | GSC-Om-E | | 1 | | | 1 | 21 | GSC Omnicast Enterprise Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Time Zone, Edge recording and trickling, 1 Keyboard connection, Max. 300 cameras per Archiver / 100 cameras on the Directory machine (Genetec – GSC-Om-E) |
| Exit Sensors | HIS (Honeywell Integrated Security) | 0-000-361-01 | | 10 | | | 1 | 21 | IS310 White Request to Exit Sensors (HIS (Honeywell Integrated Security) – 0-000-361-01) |
| Fixed Dome Cameras | AXIS COMMUNICATIONS INC | 01518-001 | | 11 | | | 1 | 21 | M3206-LVE FIXED DOME CAM 30FPS (AXIS COMMUNICATIONS INC – 01518-001) |
| FLR Cable Loop | G.R.I. | 200-36HD | | 8 | | | 1 | 21 | FLR MT/3FTARMRD CBLE CLSD LOOP (G.R.I. – 200-36HD) |
| Genetec Advantage | Genetec | ADV-1AP-1Y | | 1 | | | 1 | 21 | Genetec Advantage for 1 intrusion alarm panel 1 Year (Genetec – ADV-1AP-1Y) |
| Genetec Security Center (GSC) Base Package (INCLUDED) | Genetec | GSC-BASE-5.9 | | 1 | | | 1 | 21 | Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (INCLUDED) (Genetec – GSC-BASE-5.9) |
| Genetec Security Center Software Version (INCLUDED) | Genetec | GSC-5.9 | | 1 | | | 1 | 21 | Security Center (GSC) Software Version (INCLUDED) (Genetec – GSC-5.9) |
| Intrusion Base Component | Genetec | GSC-AP-BASE | | 1 | | | 1 | 21 | Intrusion Base component. 1 part required per system with any intrusion unit manufacturer. Requires the GSC-1AP-Manufacturer part per panel. Requires one of Standard, Professional or Enterprise packages (Synergis and/or Omnicast). Mandatory Genetec Advantage. (Genetec – GSC-AP-BASE) |
| Intrusion Panel Connection | Genetec | GSC-1AP-DMP | | 1 | | | 1 | 21 | DMP Intrusion Panel Connection (Genetec – GSC-1AP-DMP) |
| License Scanner | Genetec | EL-AST-ID150 | | 2 | | | 1 | 21 | ASSURETEC ID-150 LICENSE SCANNER - DATA ONLY (Genetec – EL-AST-ID150) |

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| Mercury Intelligent Controller | Genetec | SY-LP1502 | | 13 | | | | 1 | 21 | Mercury Intelligent Controller, Linux Based, 8In/4Out/2Rd (Software Connections included)<br>(Genetec – SY-LP1502) |
| Mercury Intelligent Controller | Genetec | SY-LP1501 | | 5 | | | | 1 | 21 | Mercury Intelligent Controller, Linux Based, 2In/2Out/2Rd, PoE+ Support (Software Connections included)<br>(Genetec – SY-LP1501) |
| Mercury MR52 2-reader Interface Module | Genetec | SY-MR52-S3 | | 14 | | | | 1 | 21 | Mercury MR52 2-reader interface module Series 3 (8 inputs, 6 relays, PCB only, software connections included)<br>(Genetec – SY-MR52-S3) |
| MorphoAccess SIGMA Lite+ iClass Card Reader, 1:3K User Biometric Identification | Genetec | SY-293673644 | | 1 | | | | 1 | 21 | MorphoAccess SIGMA Lite+ iClass Card Reader, 1:3K User Biometric Identification (2 Finger + 1 Duress), Fake Finger Detection, 2<br>(Genetec – SY-293673644) |
| MorphoBridge Plugin | Genetec | GSC-1PMORPHOBIOMETRICS | | 1 | | | | 1 | 21 | Safran Identity MorphoBridge Plugin. Only available with Professional or Enterprise packages (Synergis and/or Omnicast). Mandatory Genetec Advantage.<br>(Genetec – GSC-1PMORPHOBIOMETRICS) |
| Multi Directional Camera | AXIS COMMUNICATIONS INC | 01970-001 | | 1 | | | | 1 | 21 | P3715-PLVE 2CH W/30FPS 2X2 MP MULTIDIRECTIONCAM<br>(AXIS COMMUNICATIONS INC – 01970-001) |
| Network Camera | AXIS COMMUNICATIONS INC | 01178-001 | | 1 | | | | 1 | 21 | M3058-PLVE Network Camera - 12 MP, 360° panoramic/fisheye dome.<br>(AXIS COMMUNICATIONS INC – 01178-001) |
| Outdoor Network Camera | AXIS COMMUNICATIONS INC | 01752-004 | | 1 | | | | 1 | 21 | Q6075-E 60HZ PTZ 1080P OUTDE READY<br>(AXIS COMMUNICATIONS INC – 01752-004) |
| Outdoor Vandal Dome AI Camera | HANWHA TECHWIN AMERICA | PNV-A9081R | | 6 | | | | 1 | 21 | 12MP 4K IR OUTDOOR VANDAL DOME AI CAMERA<br>(HANWHA TECHWIN AMERICA -US – PNV-A9081R) |
| Power Supply | ALTRONIX CORP | T2MK7F8DS1 | | 15 | | | | 1 | 21 | Trove2M2 - eFlow104NB (10A@24VDC) power supply, ACM8CB - 8 PTC Output Access Power Controller, VR6 - Voltage Regulator. Labeled with Security101 and Powered by Altronix.<br>(ALTRONIX CORP. – T2MK7F8DS1) |
| Printer | FARGO ELECTRONICS | 49100 | | 1 | | | | 1 | 21 | DTC4500 DS Base Model, USB and Ethernet* Printer with Two Year Printer Warranty<br>(FARGO ELECTRONICS – 49100) |
| Pro Reader | Genetec | ADV-RDR-P-1Y | | 43 | | | | 1 | 21 | Genetec™ Advantage for 1 Synergis Pro Reader – 1 year<br>(Genetec – ADV-RDR-P-1Y) |
| Securitron Maglock | SECURITRON | M680EBD 628 | | 1 | | | | 1 | 21 | M680E MAGLOCK, 1200 LB HOLDING 12/24VDC BONDSTAT MONITOR, DPS ALUMINUM<br>(SECURITRON -U.S. – M680EBD 628) |
| Securitron Maglock | ADI - Securitron | M680EBD-BSP | | 6 | | | | 1 | 21 | M680EBD-BSP Securitron Maglock with BondSTAT and DPS in Black Suede Powder Coat finish<br>(ADI - Securitron – ) |
| Security Desk Client Connection | Genetec | GSC-1U | | 1 | | | | 1 | 21 | Genetec Security Desk client connection<br>(Genetec – GSC-1U) |
| Signo40 Reader Wall Mount | Genetec | SY-40NKS-00-000000 | | 46 | | | | 1 | 21 | HID Signo 40 reader, Wall mount, 13.56mHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE<br>(Genetec – SY-40NKS-00-000000) |
| Small Enclosure Kit | Genetec | SY-21X23ENC-KIT | | 8 | | | | 1 | 21 | SY-21X23ENC-KIT (Small Enclosure Kit (unassembled). 21x23 inches/53.3x58)<br>(Genetec – SY-21X23ENC-KIT) |
| Steel Door Switch | ADI MFG | 8080TW | | 100 | | | | 1 | 21 | 3/ 4 STEEL DOOR SWTCH-TERM WHT<br>((miscellaneous ADI MFG) – 8080TW) |

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| Surge Protector | AXIS COMMUNICATIONS INC | 5801-641 | | 1 | | | 1 | 21 | Protect your Ethernet networks device, i.e. cameras, switches, midspans, etc, from lighting. Protects up to 10KV surge, IP66 and UL certified. (AXIS COMMUNICATIONS INC – 5801-641) |
| Synergis CloudLink | Genetec | SY-Cloudlink | | 1 | | | 1 | 21 | Synergis Cloud Link with 2GB of RAM, 16GB Flash, image installed with Synergis access control firmware, four RS-485 ports, PoE. (Genetec – Sy-Cloudlink) |
| Synergis CloudLink | Genetec | SY-CLOUDLINK-312 | | 1 | | | 1 | 21 | Synergis CloudLink with the extention module, total of 12 serial bus and supports 3 SAM. Unit not certified UL294 or ULC319 (Genetec – SY-CLOUDLINK-312) |
| Synergis Professional Package Software | Genetec | GSC-Sy-P | | 1 | | | 1 | 21 | GSC Synergis Professional Package Software which includes: 1 Access Manager. Max. 256 readers, Max. 2 Access Managers, Max. 10 clients, Badge Designer. Synergis Professional (Genetec – GSC-Sy-P) |
| Synergis Visitor Management Module | Genetec | GSC-Sy-P-Vis | | 1 | | | 1 | 21 | Visitor Management Module Synergis Professional Synergis Professional (Genetec – GSC-Sy-P-Vis) |
| Threat Level Module | Genetec | GSC-THREATLEVELS | | 1 | | | 1 | 21 | Threat Level Module (Genetec – GSC-THREATLEVELS) |
| Ultra-compact, Varifocal, D/N Mini Dome Camera | AXIS COMMUNICATIONS INC | 01241-001 | | 17 | | | 1 | 21 | M4206-LV Ultra-compact, varifocal, D/N mini dome with built-in IR vandal-resistant 3-6 mm lens with remote zoom and focus. (AXIS COMMUNICATIONS INC – 01241-001) |
| Wall Mount | AXIS COMMUNICATIONS INC | 5506-951 | | 1 | | | 1 | 21 | AXIS T91G61 WALL MOUNT (AXIS COMMUNICATIONS INC – 5506-951) |
| Shipping and Misc Installation Materials | | | | | | | 1 | 21 | Shipping and Misc Installation Materials |
| System Installation, Programming, and Training | | | | 1 | | | 1 | 21 | System Installation, Programming, and Training Labor |

# Security Access Control System Upgrade

## SCOPE OF WORK:

FTX Arena is looking for a qualified vendor to:

1) Replace existing access control system throughout with new. New system will consist of a Genetec Synergis and Omnicast Unified system with integration to the following:
    a. DMP Access Control with environmental sensors.
    b. HID EasyLobby Visitor management with 2 clients.
    c. Idemia Morpho Bioreader software.

2) Install Biometric readers and Prox readers in critical locations. Installation to include:
    a. Readers, software, power supplies, door strikes, REX motion, and contacts.
    b. Readers provided will be HID IClass technology in addition to fingerprint.
    c. System will be configured into the new Genetec ACS.

3) Replace existing Indigo Vision IP Video system with Genetec Omnicast, including:
    a. System pre-deployment planning of network infrastructure with in-house IT department.
    b. Documentation of existing cameras and locations for programming.
    c. Provide camera storage and bandwidth calculations report by an Axis Certified Professional.
    d. Three hundred forty-four (344) enterprise licenses for existing and new cameras.
    e. Deployment and configuration of system backbone and servers.
    f. Genetec software installation, update patches, and stability testing.
    g. Required Indigo Vision programming during phased migration.
    h. Pre-programming of new cameras with customer assigned IP address.
    i. Phased camera removal and installation of new IP camera.
    j. New camera installations include equipment, mounts, wiring and labor.
    k. Programming of camera Icons onto existing facility map with a link to the camera live view.
    l. Reconfiguration of camera names and locations on monitor displays.
    m. Reprogramming of Shooter Detection system inputs and testing.
    n. Approval session for camera view positioning.
    o. Three (3) training sessions for video and access control (sessions to be recorded for future reference).
    p. All programming to be performed by a Genetec and Indigo Vision certified technicians.

## APPROXIMATE PROJECT COST:

## GENERAL REQUIREMENTS:

A. Furnishing all labor, operations, materials, accessories, incidentals, services, receptacles and equipment indicated, specified, mentioned, scheduled or implied in the Scope of Work.

B. Remove all existing legacy controllers and enclosure no longer required and terminate into new Altronix enclosures. These enclosures will power the boards and locks.

C. Cable paths will be cleaned and properly labeled for future serviceability.

D. Proper documentation will be maintained and building security CAD drawing will be populated to include the device locations.

E. Existing card readers to be replaced with new HID Signo Multi-Class units with built-in Bluetooth capability.

F. Ability to re-use existing credential cards.

G. New Genetec software will be install by a certified technician onto the VM servers and tested to ensure stability and proper operation.

H. Work performed is limited to the 1-1 upgrade of the existing door locations as previously installed with no modifications in path of egress or sequence of operation. All doors are tested for proper operation. This includes fire alarm activation.

I. Programable and customizable system based on different operational schedules including a "Game Day" schedule which will be manually engaged to open all doors when security personnel is present in that area.

J. Magnetic locking mechanism will have an emergency fire alarm system trigger which will release (open) the magnetics locks.

K. All doors will be programmed to provide "door propped" alarms to the arena security command center.

L. All doors will be added to the Genetec Security MAP for quick visualization of alarm.

M. If the door has video coverage, the associated camera feed will pop up automatically at the arena security command center.

N. Installation of new contacts on existing door wiring. Wiring and new contacts will be provided to doors without existing contacts.  Install new contacts on three (3) existing overhead doors. Existing wiring will be tested, identified, labeled, and terminated on new control boards.

O. Add access control to "Championship Alley" doors, including readers, request to exit motions, status contacts, a black magnetic lock, power supplies, professional installation of door hardware, and Genetec licenses.

P. Access control wiring will be the industry standard "Banana Yellow" composite plenum cable.

Q. Decommission of legacy equipment.

R. Reuse all existing wiring, door contacts, REX motions, and electronic locks, existing power supplies for door locking hardware and existing cards/credentials.

S. The vendor (and any approved subcontractors) shall have at least ten (10) years' experience in the business of installing, repairing and maintaining all types of security access control systems.  Vendor shall have, and be able to provide examples of, successful experience with multiple completed projects of same scale as outlined in this scope.

T. Provide detailed project schedule for scope of work (demonstrating an ability and staff to complete the job in accordance with the specified standards and within the specified time period).

U. Warrant to the Arena in writing that the materials used, and work product furnished will be high quality and free of defects and equipped to sustain South Florida weather.

V. The vendor shall provide all safety equipment/devices, personal protective equipment and clothing as required by contract, regulation and the law.

W. The vendor shall implement an effective quality control program.

**TIMELINE:**
- Procurement of materials and installation must be completed by vendor thirty (30) days after receiving signed proposal

- Vendor must coordinate service and delivery schedule with the assigned Project Manager or Security Director.
- Vendor must submit a schedule of anticipated workdays to the assigned Project Manager and to the Security Director for approval and must account for events as follows:
  - Event Days – crews allowed onsite from 7am–3pm when the event occurs in the evening;
    - Crews will not be allowed onsite when an event occurs in the morning and/or afternoon (e.g., school shows); and
  - Non-Event Days – crews allowed onsite for extended hours as needed.

**WARRANTY:**
- Manufacturer to provide a limited warranty of five (5) years on all materials used from the date of installation.

**INSURANCE:**

- Vendor shall purchase and maintain during the entire project and for two years after project completion insurance with the minimum limits and coverage shown below from insurance companies has the right to reject unacceptable insurance carriers.

| STANDARD INSURANCE REQUIREMENTS | |
|---|---|
| Coverage Type | Limits |
| General Liability | Per Occurrence; General Aggregate; Completed Operations Aggregate |
| Auto Liability (All Hired Non-Owned) | for all jobs |
| Worker's Compensation | Statutory Limits; Employers Liability |

- Vendor shall carry standard ISO General Liability coverage, written on an occurrence basis including Completed Operations. Coverages on an occurrence basis shall be maintained without interruption from date of commencement of the Vendor's Work until date of final payment or date coverage is required to be maintained after final payment to the Vendor, whichever is later. The coverage must be endorsed to name Properties, Ltd., City of Miami, and Miami-Dade County as additional insureds on a primary and non-contributory basis.