

**REQUEST FOR PROPOSAL #2020-011**

**University of Southern Maine (USM)  
Public-Private Partnership for Portland Campus Student Housing and Student Center**

**ADDENDUM #03**

**DATE: August 21, 2019**

## **Appendix M: UMS IT Standards**

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USM is interested in the Developer ensuring that IT infrastructure and connectivity is included in the development budget. The Developer should design the IT infrastructure and connectivity in coordination with UMS IT. IT will be provided by a UMS's contractor vendor. The cost for reimbursement for these services should be estimated and included in the Developer's budget.

The Developer should include solutions to the following services in response to this RFP, for each of the items listed below, the Developer must provide a service level agreement:

- Cell Phone Signal Strengthening System
- Voice Telephone Services
- Internet Connectivity; current provider is Networkmaine, <http://networkmaine.net/>
- IPTV Services; current provider is Apogee
  - Streaming will allow bulk video and authorized broadcast content to be viewed over the internet distribution network.
  - Permitted devices will include laptop, personal computer, tablet, smart phone, set-top box connected to a television monitor, any other internet-connected device where the application service has been installed.
  - Permit a single user to register for up to three (3) devices.
  - Include list of channels provided with the service.
  - Describe the portal offered to perform user registration and account administration. For IPTV services, the Developer may elect to engage in a community-wide delivery strategy, as opposed to each resident entering into individual contracts. The University of Southern Maine current provider is Apogee. This is to be determined at the discretion of the Developer and intended to be commensurate with a high-quality residential experience that students may be able to pursue elsewhere in the Portland market.
- Wireless Networks
  - The proposed wireless deployment is the latest tested technology available
  - Dense access point to student deployment ratio will provide full coverage and capacity to accommodate the ever-increasing number of devices coming onto the network
  - Network designed to work efficiently even in user-dense, brick & mortar settings and in high traffic areas such as residential halls.
  - Network will provide private internet services, dedicated speeds, dedicated IP address which will support facility common areas.
- Video Surveillance
  - Provide high-resolution image capture that enable positive identification.
  - Provide ability to use Power over Ethernet (PoE)
  - Provide IP Door located on the secure side of the Access Controlled door.
  - All door hardware shall be central power (PoE preferred)
  - Notify administrators upon failure.
  - Configure individual camera to record video at all times, on demand or per event.
  - Monitor 128 separate camera images with customizable user screens.
  - Leverage floor plan and map-based user Interface.
  - Use high performance video compression
  - Initiate automatic notification of events.
  - Provide operational status updates from servers and cameras.
  - Provide ease access to real-time and archived video from any camera University System.

- Provide ability to place cameras in a location with a wired or wireless network connection.
- Provide capability to store video on and off campus.
- Building Access Control
  - The solution will support usage of the campus one-card solution (smart / proximity cards); current provider is Blackboard.
  - Solution will support the following coding features:
    - Help prevent unauthorized access to facilities.
    - Initiate lockdowns quickly isolating safety incidents
    - Create and maintain an accurate log of who enters the facility
    - Solution shall meet UL294 standard of safety for Access Control System units.
    - Solution shall meet or exceed UL294B, specifically for the use of Power over Ethernet (PoE) components used within access control systems where PoE is the primary power source.
  - Security Features
    - Automatic card disablement due to non-usage.
    - Solution provide a unified commands and control interfaces.
    - Solution accelerates investigations by viewing all sensors and alarms on an intuitive, map-based interface, with ability to provide detail.
    - Solution automate responses with workflow features and a business logic engine.
  - Administrator Interface
    - Solution will be capable of being mouse driven and simultaneously support keyboard data input.
    - Solution will be capable of supporting touch screen for command input.
    - Solution will support tool bar for common commands, function keys and through drop down menus.
  - Administrator interface shall support:
    - display and control of field equipment
    - acknowledge alarms on a priority basis
    - initiate printing of reports
    - archive and retrieve event logs
    - view historical information on predefined trend windows
    - view intranet or information from the internet in a secured environment
    - ability to modify password
    - monitoring of data communications channels
    - configuration of system parameters
  - Visitor Management Systems
    - Maintain an accurate visitor record for auditing and safety-incident reporting.
    - Identify unwanted visitors and deny them access to University buildings.
  - Alarm Management
    - Solution will support several different types of alarms for analog points.
    - Solution will support assignment of alarm priorities and sub-priorities.
    - Solution will support alarm enunciation including setting of alarm conditions.
    - Solution will support automated processing of alarms
    - Solution will provide alarm summaries to be viewed and printed and shall support filtering by date and time, source of the alarm, and highest priority.
    - Solution will provide user configurable alarm summaries.

- Solution will provide logging of alarms to an event file for future retrieval in alarm reports or archived to removable media.
  - Solution will support programmable function key for alarm actions; acknowledgement, summary, and associated display.
  - Solution will support management of alarm stages, such as; silence alarm conditions, acknowledge and action alarms, alarm condition response by pre-defined responses, and alarm reset option.
- Solutions offered will meet the following regulatory compliance:
    - Standards for Higher Education Opportunities Act (HEOA).
    - Standards for Family Education Rights and Privacy Act (FERPA).
    - W3C's Web Content Accessibility Guidelines (WCAG) 2.0 Level AA and the Web Accessibility Initiative Accessible Rich Internet Applications Suite (WAI-ARIA) 2.1 for web content, for all services or deliverables which include any Information or Communication Technology (ICT) containing a human-interface, such as an end-user software component, web pages or site, video or audio playback, file upload system, mobile device components, control panel, reports, documents, keypad, etc.,