

UNALLOWABLE COSTS

Renovations:

- ☐ Any modifications to existing buildings or structures
- ☐ Installation or replacement of equipment (cameras, access controls to doors, card readers, monitors, etc.). Installation means attaching equipment to walls, ceilings, floors, and doors
- ☐ Installation or replacement of racks that involve attaching racks to floors and/or walls.
- ☐ Installing new equipment cabling where new holes are made through walls, floors, or ceilings. Installation of new conduit onto existing walls, ceilings, or floors. Floor raising to install new cabling
- ☐ Installation of electrical outlets
- ☐ Installation of uninterruptible power supply units (UPS) that involve attaching to floors or walls. And new cabling installed through walls, ceilings, or floors
- ☐ Any activities (grant funded or not) that are connected to the grant funded project that involve the building utility infrastructure such as installing new electrical, water, or gas lines
- ☐ Installation of generators
- ☐ Any installation of new equipment at communications towers or building roofs such as antennas or internet systems such as Starlink or satellite dishes
- ☐ Any interior renovations to office spaces that change the layout such as removing walls or creating new walls. Replacing or hardening of doors and windows
- ☐ Installation or replacement of fencing and bollards
- ☐ Any activities that involve ground disturbances

Training:

- ☐ Training not at a designated training facility to test the readiness of the nation to prevent or respond to a terrorist attack or a natural or manmade disaster such as Active shooter, Search and Rescue, SWAT, etc.
- ☐ Training activities in a water body
- ☐ Drone training

ALLOWABLE COSTS

For costs to be allowable they must align with 2 CFR Part 200 Cost Principles Sub Part E, the DHS Terms and Conditions, and the SLCGP goals and objectives. Examples of types of allowable costs include the following:

Renovations:

- ☐ Replacing or installing servers, communication, or network components onto existing racks and using existing cabling
- ☐ Installation of new equipment cabling through existing conduit and no new holes in walls, ceilings, or floors
- ☐ Tabletop equipment such as computers, monitors, and workstations
- ☐ Software
- ☐ Hiring cybersecurity or administration staff
- ☐ Creating cybersecurity plans or conducting cybersecurity testing

Training:

- ☐ Classroom only training
- ☐ Computer or software training
- ☐ Training at a designated training facility that does not involve ground disturbances or equipment installations

Yellow = 04 – Information Technology

- AP: Application Systems and Software
- HW: Hardware
- MD: Media Devices
- SN: Sensor Devices
- SW: System and Network Software

Green = 05 – Cybersecurity Enhancement Equipment

- AU: Authentication Devices
- EN: Encryption
- HS: Host Level Security
- NP: Network Level Security
- PM: Patch and Configuration Management

04AP-01-CADS	System, Dispatch, Computer Aided	<p>Computer software system(s) used to track and manage public safety incidents and resources.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>	When utilizing FEMA program funds to build, upgrade, enhance, or replace communications and information systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.	Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-02-AVLS	Systems, Automatic Vehicle Locating (AVL)	<p>Systems that utilize vehicle-based devices to provide real-time location to a central monitoring facility.</p> <p>While some sensors and other hardware may be required, this functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-02-DGPS	Device, Global Positioning System (GPS)	Global Positioning System (GPS) receiving device, including self-contained handhelds, mobile mounted systems, and accessory devices to enable computers and communications devices.		Emergency Management Performance Grants (EMPG), Freight Rail Security Grant Program (FRSGP), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-02-OAPT	System, Operations Area Personnel Tracking and Accountability	Personnel tracking and accountability systems for use in an operations area, including both administrative tracking systems and precision locating and tracking systems. This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.		Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-02-ROUT	System, Mobile Emergency Routing	Routing system for emergency vehicles that accounts for inclement weather, road conditions, vehicle characteristics and department-level protocols for handling vehicle usage. The technology will ensure emergency vehicles have priority traffic in all areas of travel while responding to a call. Examples include QuickRoute, a DHS S&T-sponsored application. This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant

				Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-03-GISD	Data, Geospatial	<p>Data related to positions on the Earth's surface in the form of databases, maps, satellite, and other remote-sensing imagery. For use with Geospatial Information Systems (Item 04AP-04-GISS).</p> <p>Data and updates are generally available via subscription.</p>		<p>Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)</p>
04AP-03-GISS	System, Geospatial Information (GIS)	<p>Geospatial/Geographical Information Systems (GIS), including application software as well as integrated hardware for implementation. GIS systems support the acquisition, integration and dissemination of geospatial data and imagery. GIS systems provide or support multiple CBRNE terrorism prevention and response functions, including (but not limited to):</p> <ul style="list-style-type: none"> a. Geospatial Analysis - allows for association of intelligence and location-based information to perform complex analysis and visualization b. Decision Support - provides a mechanism to deliver actionable intelligence, supporting strategic and tactical operations c. Situational Awareness - supports a common operational picture with near real-time intelligence fused with geospatial information fully describing the area of operations in a spatial context d. Navigation e. Monitoring (tracking, weather, traffic, assets, environment, damage assessments, disease surveillance) f. Modeling - combines complex spatial information and applies modeling tools to predict consequences of events in support of planning, mitigation, response and recovery g. Mapping - presents fused information in a standard, distributable and easily recognizable format h. Reporting (activity, after-action, alert-warning, location, situation, coverage portrayal) <p>This functionality may also be obtainable via subscription as a</p>		<p>Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)</p>

		cloud-based service, as opposed to purchasing software. See 04AP-11-SAAS for further information.		
04AP-04-RISK	Software, Risk Management	<p>Software or systems that facilitate capture, quantification, and management of risk factors involved in specific tasks, environments, or programs.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-05-CDSS	Systems and Tools, ICS	<p>Incident Command System (ICS) software including command/plans and decision-support tools. Also includes NIMS-compliant field incident management materials such as T-Cards and holders, specialized forms, etc.</p> <p>Some of this functionality, including planning and decision support tools, may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-05-CRED	System, Credentialing	<p>Software application and associated hardware and material for creating site/event credential badges and controlling scene access.</p> <p>Although some hardware would still be required, this functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>	Should be compliant with FIPS Publication 201-1.	Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-05-SVIS	Software, Operational Space Visualization	<p>Operational space visualization tools.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)

04AP-06-CBRN	Software, CBRNE/Commercial Chemical/Hazard	<p>CBRNE/commercial chemical/hazard software and response system that enables the tracking, identification, and/or querying of information relating to CBRNE sources.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-06-PMOD	Software, Plume Modeling	<p>Plume modeling fate and transport software and/or databases capable of real-time linkage to sensors and meteorological monitoring and detection.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-06-TRAF	Software, Traffic Modeling	<p>Software designed to depict traffic flow, identify congestion points, and predict impact of accidents or deliberate alterations of traffic patterns such as alterations of signal times, detours, closures, etc. Traffic flow may be for vehicular, maritime, aviation, pedestrian, or other flows.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-07-INVN	Software, Equipment Tracking and Inventory	<p>Application software for tracking of tangible equipment, including location and person(s)/organization(s) responsible.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-08-SIMS	Simulators	<p>Systems that provide interactive audio, audio-visual or tactile simulation of operational situations to support training, planning, or decision making.</p> <p>Some of this functionality may</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas

		also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.		Security Initiative Program (UASI)
04AP-09-ALRT	Systems, Public Notification and Warning	Systems used to alert the public of protective actions or to provide warning to the public in the event of an incident, such as sirens, the Emergency Alert System (EAS), the Integrated Public Alert and Warning System (IPAWS), and Wireless Emergency Alerts (WEA).	Fees related to telecommunications services to support the system are the responsibility of the jurisdiction and are not allowable under this item. When utilizing FEMA program funds to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.	Emergency Management Performance Grants (EMPG), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-10-EMCS	System, Emergency Medical Communication	<p>Communication system for use by emergency medical personnel that aids in triage, treatment, and transport of victims by providing a framework for data capture and exchange. Using smart phone or tablet devices and Internet connectivity, these systems provide menu-based entry of critical patient information, and interactive transmission of this data to hospital resources. Such systems may also provide interactive video and telemedicine support to medical responders, as well as aid selection of transport destination based upon patient requirements and destination facilities.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service, as opposed to purchasing software. However, special security considerations apply for data stored remotely, including HIPAA requirements. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04AP-11-SAAS	Applications, Software as a Service	Sometimes referred to as "on-demand software", SAAS applications run on the providers servers, delivering functionality via the internet to any device having connectivity and the required browser or interface. Access to the application is obtained via a service subscription rather than outright purchase, with all updates and configuration requirements handled by the service provider. Some example SAAS applications include equipment tracking and maintenance, intra-application communication among client devices, and specialized software such as plume modeling. Note that purchasers of SAAS should consider the security aspects of the planned usage, particularly availability and the protection of sensitive information stored remotely. Internet connectivity is required to utilize SAAS applications unless specific failover measures such as a "hybrid cloud" are available. In addition, data is stored remotely on		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Transit Security Grant Program (TSGP), Urban Areas Security Initiative Program (UASI), Amtrak - (IPR - Amtrak), Nonprofit Security Grant Program (NSGP)

		vendor equipment. Use of SAAS for mission critical applications should be thoroughly vetted before implementation.		
04HW-01-INHW	Hardware, Computer, Integrated	Computer hardware and operating system software designated for use in an integrated system allowable under the indicated grant programs. Such systems include detection, communication, cybersecurity, logistical support and Geospatial Information Systems. This item may include networking hardware (routers, wireless access points, etc. servers, workstations, notebook computers, and peripherals such as printers and plotters procured with an allowable system and necessary for its implementation.	Only hardware procured as part of a system allowable under the indicated grant programs is allowable under this item.	Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04HW-01-MOBL	Computer, Mobile Data	Mobile computer devices, usually mounted permanently in vehicle, operating from DC power supply. Used for data upload and download, as well as local data entry.	When utilizing FEMA program funds to build, upgrade, enhance, or replace communications and information systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.	Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04HW-02-BARC	Equipment, Bar Code Reading and Printing	Bar code readers and printers, including devices that have wireless network capabilities.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04HW-02-PR3D	Printer, 3D	3D Printer using printable filament technology		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04HW-02-RFID	Devices, Radio Frequency Identification	Radio Frequency Identification Devices (RFID) and associated readers.		Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Port Security Grant Program (PSGP)

04HW-03-NETD	Components, Networking, Deployable	<p>Networking devices such as routers, switches, and wireless access points that are designed for forward deployment during incident response. These devices may include functionality such as Power over Ethernet (PoE) or uninterruptable power supplies (UPS). Units may combine functionality, such as a router that also provides PoE for hardwired connections and has built-in UPS. These components are often ruggedized or otherwise designed for field deployment and are intended to assist in rapid deployment of wired and wireless network capability for incident command centers and other forward deployment activities.</p> <p>Applicable Standards</p> <p>1. IEEE 802.3 - 2018 - IEEE Standard for Ethernet, August 31, 2018</p> <p>2. IEEE 802.11 - 2016: IEEE Standard For Information Technology-- Telecommunications And Information Exchange Between Systems Local And Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) And Physical Layer (PHY) Specifications</p> <p>3. IEEE 802.11ak - 2018: IEEE Standard For Information Technology- Telecommunications And Information Exchange Between Systems Local And Metropolitan Area Networks-Specific Requirements Part 11: Wireless LAN Medium Access Control (MAC) And Physical Layer (PHY) Specifications Amendment</p> <p>4: Enhancements For Transit Links Within Bridged Networks</p>		Amtrak - (IPR - Amtrak), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Transit Security Grant Program (TSGP), Emergency Management Performance Grants (EMPG)
04MD-01-CMR A	Camera, Still	Still camera, digital or film.		Environmental Planning and Historic Preservation (EHP), Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP),

				State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -01- IRED	Camera, Infrared (IR)	Infrared (IR) a. Thermal b. Forward Looking Infrared Radiation (FLIR) and/or c. Infrared detection		Environmental Planning and Historic Preservation (EHP), Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -01- IRIL	Equipment, Illumination, IR	Infrared illumination equipment.		Environmental Planning and Historic Preservation (EHP), Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -01- LAMP	Equipment, Light Amplification	Light amplification (night vision enhancement) equipment, including hand-held, helmet mounted, or equipment-mounted tactical systems. Includes hardware/accessories necessary for helmet/equipment mounting.		Environmental Planning and Historic Preservation (EHP), Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -01- UCA M	Camera, Underwater (Still/Video)	Still or video camera adapted or designed for use underwater.		Environmental Planning and Historic Preservation (EHP), Homeland Security Grant Program (HSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Emergency Management Performance Grants (EMPG),
04MD -01- VCA M	Camera, Video	Video camera.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security

				Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -02- PROJ	Projector, Video	Video projector		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04MD -03- DISP	Display, Video	Video display - assorted technologies including Plasma, LCD, LED, etc.	Purchases of video displays using Emergency Management Program Grant funds are allowable only for displays to be used in command/operations centers.	Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04SN -01- PTMS	Station, Portable Meteorological	<p>Portable meteorological station that monitors and provide appropriate trending data on (at a minimum) temperature, wind speed, wind direction, precipitation, relative humidity, and barometric pressure.</p> <p>In some cases, portable stations can now be replaced by very granular cloud-based reporting and forecasts. This functionality may be obtained by subscription (see item 04AP-11-SAAS for more information).</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04SN -01- XMIT	Transmission Device, Wireless, Remote Sensor	A device which, when attached to a remote sensor such as a video camera or chemical detector, allows wireless transmission of data to a distant base. May use radio frequency (RF) or infrared (IR) transmission.	When utilizing FEMA program funds to build, upgrade, enhance, or replace communications and information systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.	Emergency Management Performance Grants (EMPG), Homeland Security Grant Program (HSGP), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
04SW -04- NET W	Software, Network	<p>Software for networking, monitoring network performance and/or maintaining configuration.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)

		See 04AP-11-SAAS for further information.		
04SW-05-SCAD	System, SCADA (Supervisory Control and Data Acquisition)	<p>A software/hardware system designed primarily to monitor and control remote sensors and actuators. Uses vary from large-scale examples such as refinery or power grid control to building HVAC systems.</p> <p>While some sensors and other hardware may be required, this functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05AU-00-BIOM	Device, Biometric User Authentication	Devices that utilize biometric characteristics (fingerprints, palm prints, iris or retinal scanning, tissue matrix, etc.) to authorize access to facilities and/or systems.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05AU-00-TOKN	System, Remote Authentication	System used to provide enhanced remote authentication, usually consisting of a server, some synchronization scheme, and a device, token, or smartphone application.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05EN-00-ECRP	Software, Encryption	Encryption software for protecting stored data files or email messages.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05EN-00-ETRN	Encryption, Data Transmission	A class of network access solutions, usually for remote access, that provide encrypted user access. May be used for remote access, point to point, or link encryption. Includes virtual private networks, and encrypted transmission modes such as SSH and SSL.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)

05HS-00-FRNS	Software, Forensic	<p>Application suites that allow in-depth analysis of hosts based on operating system and file systems. Software of this type may be used by law enforcement officers, government/corporate investigators, and consultants to investigate the aftermath of computer-related crimes. Forensics software generally includes disk analysis tools, tools for the recovery of deleted files, and integrated database support to mark files and data of interest to investigators.</p> <p>This functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Homeland Security Grant Program (HSGP)
05HS-00-MALW	Software, Malware/Anti-Virus Protection	Software for protection against viruses, spyware, and malicious code. May be obtained for individual hosts or for entire network segments.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Nonprofit Security Grant Program (NSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Homeland Security Grant Program (HSGP)
05HS-00-PFWL	System, Personal Firewall	Personal firewall for operation on individual workstations. Usually a software solution, but appliances are also available. See also: 05NP-00-FWAL.		Emergency Management Performance Grants (EMPG), Nonprofit Security Grant Program (NSGP), Operation Stonegarden (OPSG), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI), Intercity Bus Security Grant Program (IBSGP), Homeland Security Grant Program (HSGP)
05NP-00-FWAL	Firewall, Network	Firewall (software or standalone appliance) for use in protecting networks. See also 05HS-00-PFWL.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05NP-00-IDPS	System, Intrusion Detection/Prevention	Intrusion Detection and/or Prevention System (IDS, IPS) deployed at either host or		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant

		network level to detect and/or prevent unauthorized or aberrant behavior on the network. Software and hardware (appliance) solutions exist. This replaces item 05NP-00-IDS and incorporates more recent prevention technology.		Program (IBSGP), Nonprofit Security Grant Program (NSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05NP-00-SCAN	Tools, Vulnerability Scanning	Tools designed to identify security vulnerabilities on networks, databases, web applications or individual hosts on target networks.		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05NP-00-SIEM	System, Security Information and Event Management (SIEM)	<p>Software or appliance that gathers data from multiple security sources such as firewalls, intrusion detection systems, malware protection systems, etc. to provide log file consolidation and event correlation capability in support of network security operations.</p> <p>While some client-side software may be required, this functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)
05PM-00-PTCH	System, Patch/Configuration Management	<p>System to manage the update and installation of patches, applications, and/or operating systems utilized by an organization in order to maintain current "version control."</p> <p>This functionality may also be obtainable via subscription as a cloud-based service using a web browser interface, as opposed to purchasing software. However, special security considerations apply for data stored remotely. See 04AP-11-SAAS for further information.</p>		Emergency Management Performance Grants (EMPG), Intercity Bus Security Grant Program (IBSGP), Port Security Grant Program (PSGP), State Homeland Security Program (SHSP), Tribal Homeland Security Grant Program (THSGP), Urban Areas Security Initiative Program (UASI)