

AEL Number	Title	Description
03OE-03-MEGA	System, Public Address, Handheld or Mobile	Systems for mass audio notification, including vehicle-mounted high powered speaker systems, or battery powered megaphone / public address systems with corded microphone.
04AP-05-CRED	System, Credentialing	Software application and associated hardware and material for creating site/event credential badges and controlling scene access. 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.Â However, special security considerations apply for data stored remotely. Â See 04AP-11-SAAS for further information.
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).
04AP-11-SAAS	Applications, Software as a Service	Sometimes referred to as "on-demand software", SAAS applications run on the provider's servers, delivering functionality via the internet to any device having connectivity and the required browser or interface.Â 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.Â 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.Â Internet connectivity is required to utilize SAAS applications unless specific failover measures such as a "hybrid cloud" are available.Â In addition, data is stored remotely on vendor equipment.Â Use of SAAS for mission critical applications should be thoroughly vetted before implementation.
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.
05EN-00-ECRP	Software, Encryption	Encryption software for protecting stored data files or email messages.
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.
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.
05NP-00-FWAL	Firewall, Network	Firewall (software or standalone appliance) for use in protecting networks. See also 05HS-00-PFWL.
05NP-00-IDPS	System, Intrusion Detection/Prevention	Intrusion Detection and/or Prevention System (IDS, IPS) deployed at either host or 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.
06CP-01-PORT	Radio, Portable	Individual/portable radio transceivers.
06CP-03-ICOM	Intercom	System for hands-free (wired or wireless) communication for limited numbers of personnel in close proximity, such as vehicle crew members. Includes systems designed for underwater use.
06CP-03-PRAC	Accessories, Portable Radio	Speaker/microphone extensions to portable radios. Sometimes used within encapsulated/partially encapsulated suits, where restricted access to radio equipment impedes normal portable radio operations. Also includes programming/cloning cables.
10GE-00-GENR	Generators	Generators, varying types and sizes, including gasoline, diesel, propane, natural gas, alternator, gas turbine powered devices, etc.
13IT-00-DACQ	Data Acquisition	Software for data collection and information / intelligence gathering, including data mining and search tools that support inferential analysis, including trend analysis. This functionality may also be obtainable via subscription as a cloud-based service using a web browser interface or a mobile app, as opposed to local software.Â However, special security considerations apply for data stored remotely. Â See 04AP-11-SAAS for further information.
14CI-00-COOP	System, Information Technology Contingency Operations	Back-up computer hardware, operating systems, data storage, and application software necessary to provide a working environment for contingency operations. May be a purchased remote service or a dedicated alternate operating site.
14EX-00-BCAN	Receptacles, Trash, Blast-Resistant	Blast-resistant trash receptacles.
14EX-00-BSIR	Systems, Building, Blast/Shock/Impact Resistant	Systems to mitigate damage from blasts, shocks, or impacts, such as column and surface wraps, wall coverings, breakage/shatter resistant glass, window wraps, and deflection shields.
14SW-01-ALRM	Systems/Sensors, Alarm	Systems and standalone sensors designed to detect access violations or intrusions using sensors such as door/window switches, motion sensors, acoustic sensors, seismic, and thermal sensors. May also include temperature sensors for critical areas.
14SW-01-DOOR	Doors and Gates, Impact Resistant	Reinforced doors and gates with increased resistance to external impact for increased physical security.
14SW-01-EXTM	System, Fire Extinguisher Monitoring	System for monitoring the presence and pressure of fixed-location fire extinguishers to ensure that they are usable and are not stolen for possible misuse.
14SW-01-LITE	Lighting, Area, Fixed	Fixed high-intensity lighting systems for improved visibility in areas such as building perimeters and surveillance zones.
14SW-01-PACS	System, Physical Access Control	Locking devices and entry systems for control of physical access to facilities.
14SW-01-SIDP	Systems, Personnel Identification	Systems for positive identification of personnel as a prerequisite for entering restricted areas or accessing information systems.
14SW-01-SIDV	Systems, Vehicle Identification	Systems for identification of vehicles, ranging from decals to radio frequency identification (RFID) or other transponder devices.
14SW-01-SNSR	Sensors/Alarms, System and Infrastructure Monitoring, Standalone	Standalone sensors/alarms for use on critical systems or infrastructure items (security systems, power supplies, etc.) to provide warning when these systems fail or are near failure.
14SW-01-VIDA	Systems, Video Assessment, Security	Camera-based security systems utilizing standard, low light, or infrared technology.
14SW-01-WALL	Barriers: Fences; Jersey Walls	Obstacles designed to channel or halt pedestrian or vehicle-borne traffic in order to protect a physical asset or facility.
14SW-02-HSCN	Equipment, Hull Scanning	Devices or systems used to scan ship hulls for attached devices.
14SW-02-RADR	Systems, Radar	Scanning systems for detection of objects such as vessels, personnel, and other objects.
14SW-02-SONR	Systems, Sonar	Includes several different types of underwater sound wave imaging: Imaging Sonar: A high-frequency sonar that produces video-like imagery using a narrow field of view. The sonar system can be pole-mounted over the side of a craft or hand-carried by a diver.
14SW-02-VBAR	Barriers, Vessel	Deployable, modular systems for restricting the movement of vessels.
15IN-00-PLSN	System, Pulsed Neutron Activation, Non-Invasive	Screening system utilizing pulsed neutrons. Non-destructive detection of CWAs in sealed containers.
15IN-00-RADR	Radar, Ground/Wall Penetrating	Radar systems designed to penetrate walls or ground to allow detection of hidden objects.
15IN-00-XRAY	System, Mobile Search & Inspection; X-Ray	Portable X-Ray systems for use in search and screening operations.
15SC-00-PMON	Monitors, Portal	Systems to scan vehicles/cargo for radioactive content. Various sizes for vehicles, packages (large and small) and pedestrians. Does not identify radionuclide. Note: For explosive detection portal, see Item 07ED-03-PORT. DIQCode: [D,Q]
15SC-00-PPSS	Systems, Personnel/Package Screening	Hand-held or fixed systems such as walk-through magnetometers and conveyor-belt x-ray systems used to screen personnel and packages for hazardous materials/devices.
21GN-00-INST	Installation	Installation costs for authorized equipment purchased through FEMA grants.
21GN-00-SHIP	Shipping	Shipping costs for equipment purchased with grant funding.
21GN-00-STAX	Sales Tax	Sales tax on equipment purchased with grant funding.
21GN-00-TRNG	Training	Training on CBRNE and cyber security equipment by vendors or local entities.