The Authorized Equipment List (AEL) provides information on allowable equipment expenditures for the following grant programs (data applies to FY2005 and later unless noted):

- Citizen Corps Program (CCP)
- Metropolitan Medical Response System (MMRS) Program
- Buffer Zone Protection Program (BZPP)
- Driver's License Security Grant Program (DLSGP)
- Emergency Management Performance Grants (EMPG)
- Emergency Operations Center (EOC) Grant Program
- Freight Rail Security Grant Program (FRSGP)
- Homeland Security Grant Program (HSGP)
- Intercity Bus Security Grant Program (IBSGP)
- Intercity Passenger Rail (Amtrak)
- Interoperable Emergency Communications Grant Program (IECGP)
- Law Enforcement Terrorism Prevention Activity (LETPA-SHSP)
- Law Enforcement Terrorism Prevention Activity (LETPA-UASI)
- Nonprofit Security Grant Program (NSGP)
- Operation Stonegarden Grant Program (OPSG)
- Port Security Grant Program (PSGP)
- Public Safety Interoperable Communications (PSIC) Grant Program
- Regional Catastrophic Preparedness Grant Program (RCPGP)
- State Homeland Security Program (SHSP)
- Transit Security Grant Program (TSGP)
- Tribal Homeland Security Grant Program (THSGP)
- Urban Areas Security Initiative (UASI) Program

Each item in the AEL is marked for applicability to appropriate grant programs. The numbering scheme for individual items has been changed to provide direct cross referencing with the InterAgency Board's Standardized Equipment List. Complete interactive versions of both the AEL and SEL are available on-line in the Responder Knowledge Base (RKB) at www.rkb.us. Hard copies of the SEL may be requested at www.iab.gov. PDF and Excel versions of the AEL are available for downloading from the AEL page on the RKB. The official version of the AEL is available in PDF format on the G&T website at www.ojp.usdoj.gov/odp.

As in previous years, the AEL is presented in 21 sections, as follows:

1. Personal Protective Equipment
2. Explosive Device Mitigation and Remediation Equipment
3. CBRNE Operational and Search and Rescue Equipment
4. Information Technology
5. Cyber Security Enhancement Equipment
6. Interoperable Communications Equipment
7. Detection
8. Decontamination
9. Medical
10. Power
11. CBRNE Reference Materials
12. CBRNE Incident Response Vehicles
13. Terrorism Incident Prevention Equipment
15. Inspection and Screening Systems
16. Animal and Plants
17. CBRNE Prevention and Response Watercraft
18. CBRNE Aviation Equipment
19. CBRNE Logistical Support Equipment
20. Intervention Equipment
21. Other Authorized Equipment
How to Interpret the AEL

Each item has the following attributes in the list:

**AEL Ref No:**

This is a unique identifier for each item on the AEL, to facilitate referencing it.

**Title/Description:**

Each item has a title (printed in bold), and most also have additional information in the description field below the title.

**Applicable Grant Programs**

This lists the specific grant program(s) for which the item is allowable.

**Grant Notes**

Many items have specific additional guidance relating to allowability under one or more of the grant programs. If a note exists for an item, it will appear directly beneath the applicable grant programs list.

**Target Capabilities List (based on the September, 2007 document):**

The list below identifies the Target Capabilities that support the National Preparedness Goal. Each item in the AEL will be annotated with a list that shows which Target Capability (ies) is (are) supported by that item.

1. Planning
2. Communications
3. Risk Management
4. Community Preparedness and Participation
5. Intelligence and Information Sharing and Dissemination
6. Information Gathering and Recognition of Indicators and Warnings
7. Intelligence Analysis and Production
8. Counter-Terror Investigation and Law Enforcement
9. CBRNE Detection
10. Critical Infrastructure Protection
11. Food and Agriculture Safety and Defense
12. Epidemiological Surveillance and Investigation
13. Laboratory Testing
14. On-site Incident Management
15. Emergency Operations Center Management
16. Critical Resource Logistics and Distribution
17. Volunteer Management and Donations
18. Responder Safety and Health
20. Animal Disease Emergency Support
21. Environmental Health
22. Explosive Device Response Operations
23. Fire Incident Response Support
24. WMD and Hazardous Materials Response and Decontamination
25. Citizen Evacuation and Shelter-In-Place
26. Isolation and Quarantine
27. Search and Rescue (Land-Based)
28. Emergency Public Information and Warning
29. Emergency Triage and Pre-Hospital Treatment
30. Medical Surge
31. Medical Supplies Management and Distribution
32. Mass Prophylaxis
33. Mass Care (Sheltering, Feeding, and Related Services)
34. Fatality Management
35. Structural Damage and Mitigation Assessment
36. Restoration of Lifelines
37. Economic & Community Recovery
Section 14  Physical Security Enhancement Equipment

(14CI)  Support Equipment for Continuation of Critical Infrastructure Operations

(14CI-00) ...

14CI-00-COOP  System, Information Technology Contingency Operations
Description: 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.

Applicable Grant Programs: Amtrak , BZPP , DLSGP , EMPG , EOC , IBSGP , IBSGP , LETPA-SHSP , LETPA-UASI , NSGP , OPSG , PSGP , SHSP , THSGP , TSGP , UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 1 , 2 , 3 , 4 , 5 , 6 , 7 , 10

(14EX)  Explosion Protection

(14EX-00) ...

14EX-00-BCAN  Receptacles, Trash, Blast-Resistant
Description: Blast-resistant trash receptacles.

Applicable Grant Programs: Amtrak , BZPP , EMPG , EOC , IBSGP , IBSGP , LETPA-SHSP , LETPA-UASI , NSGP , OPSG , PSGP , SHSP , THSGP , TSGP , UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 10

14EX-00-BSIR  Systems, Building, Blast/Shock/Impact Resistant
Description: Systems to mitigate damage from blasts, shocks, or impacts, such as column and surface wraps, breakage/shatter resistant glass, window wraps, and deflection shields.

Applicable Grant Programs: Amtrak , BZPP , EMPG , EOC , IBSGP , IBSGP , LETPA-SHSP , LETPA-UASI , NSGP , OPSG , PSGP , SHSP , THSGP , TSGP , UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 10 , 19 , 22

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

(14SW)  Surveillance, Warning, Access/Intrusion Control

(14SW-01)  General

14SW-01-ALRM  Systems/Sensors, Alarm
Description: 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.

Applicable Grant Programs: Amtrak , BZPP , DLSGP , EMPG , EOC , IBSGP , IBSGP , LETPA-SHSP , LETPA-UASI , NSGP , OPSG , PSGP , SHSP , THSGP , TSGP , UASI

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.

Wednesday, March 07, 2012  Full AEL: Page 122 of 142
**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:**
10, 15, 28

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

<table>
<thead>
<tr>
<th>14SW-01-ASTN</th>
<th>Network, Acoustic Sensor Triangulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>A network consisting of some number of deployed acoustic sensors and one or more processing nodes for data integration and analysis. Such networks can be &quot;tuned&quot; to one or more ranges of frequencies to detect sounds such as gunshots, heavy weapons discharge, explosions, MANPAD launches, vehicle noises, etc., and utilize acoustic triangulation to provide accurate location data. Such networks can be wired, wireless, or hybrid, and are capable of operation near critical infrastructure assets or in wide areas.</td>
</tr>
<tr>
<td><strong>Applicable Grant Programs:</strong></td>
<td>Amtrak, BZPP, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, OPSG, PSGP, SHSP, THSGP, TSGP, UASI</td>
</tr>
<tr>
<td><strong>Grant Notes:</strong></td>
<td>Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.</td>
</tr>
<tr>
<td><strong>Applicable TCL Numbers:</strong></td>
<td>6, 8, 10, 19</td>
</tr>
</tbody>
</table>

**Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us."
**Applicable TCL Numbers:** 10, 15, 28

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

### 14SW-01-LRHW  Long Range Hailing and Warning Device

**Description:**
Long range hailing and warning device capable of producing highly directional sound beams, allowing users to project warning tones and intelligible voice commands at great distances. LRHW may be interconnected to other surveillance, warning, access or intrusion control devices into an integrated system.

**Applicable Grant Programs:**
Amtrak, BZPP, EMPG, IBSP, LETPA-SHSP, LETPA-UASI, OPSP, PSSP, SHSP, THSP, TSGP, UASI

**Grant Notes:**
Purchase and installation of LRHW with grant funds is subject to FEMA Environmental and Historic Preservation (EHP) review and compliance with applicable Federal, state and local environmental requirements.

**Applicable TCL Numbers:** 10

### 14SW-01-PACS  System, Physical Access Control

**Description:**
Locking devices and entry systems for control of physical access to facilities.

**Applicable Grant Programs:**
Amtrak, BZPP, DLSGP, EMPG, EOC, IBSP, IBSP, LETPA-SHSP, LETPA-UASI, NSGP, OPSP, PSSP, SHSP, THSP, TSGP, UASI

**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 10

### 14SW-01-SIDP  Systems, Personnel Identification

**Description:**
Systems for positive identification of personnel as a prerequisite for entering restricted areas or accessing information systems.

**Applicable Grant Programs:**
Amtrak, BZPP, DLSGP, EMPG, EOC, IBSP, IBSP, LETPA-SHSP, LETPA-UASI, NSGP, OPSP, PSSP, SHSP, THSP, TSGP, UASI

**Grant Notes:**
Should be compliant with FIPS Publication 201-1.

Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 4, 8, 10, 14, 15, 16, 17, 19, 20, 22, 23, 24, 27, 31, 32, 33, 35

### 14SW-01-SIDV  Systems, Vehicle Identification

**Description:**
Systems for identification of vehicles, ranging from decals to radio frequency identification (RFID) or other transponder devices.

**Applicable Grant Programs:**
Amtrak, BZPP, DLSGP, EMPG, EOC, IBSP, IBSP, LETPA-SHSP, LETPA-UASI, NSGP, OPSP, PSSP, SHSP, THSP, TSGP, UASI

**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 8, 10, 16

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.
14SW-01-SNSR  Sensors/Alarms, System and Infrastructure Monitoring, Standalone

Description: 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.

Applicable Grant Programs: Amtrak, BZPP, DLSGP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, NSGP, OPSPG, PSGP, SHSP, THSPG, TSGP, UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 10, 11

14SW-01-VIDA  Systems, Video Assessment, Security

Description: Camera-based security systems utilizing standard, low light, or infrared technology.

Applicable Grant Programs: Amtrak, BZPP, DLSGP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, NSGP, OPSPG, PSGP, SHSP, THSPG, TSGP, UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 6, 8, 10, 19

14SW-01-WALL  Barriers: Fences; Jersey Walls

Description: Obstacles designed to channel or halt pedestrian or vehicle-borne traffic in order to protect a physical asset or facility.

Applicable Grant Programs: Amtrak, BZPP, DLSGP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, NSGP, OPSPG, PSGP, SHSP, THSPG, TSGP, UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 4, 8, 10, 16, 17, 19, 26

14SW-02-HSCN  Equipment, Hull Scanning

Description: Devices or systems used to scan ship hulls for attached devices.

Applicable Grant Programs: Amtrak, BZPP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, NSGP, OPSPG, PSGP, SHSP, THSPG, TSGP, UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 10

14SW-02-RADR  Systems, Radar

Description: Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.
**Description:** Scanning systems for detection of objects such as vessels, personnel, and other objects.

**Applicable Grant Programs:** Amtrak, BZPP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-USASI, NSGP, OPSG, PSGP, SHSP, THSP, TSGP, UASI

**Grant Notes:** Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 6, 8, 10

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

14SW-02-SONR  Systems, Sonar

**Description:** 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.
- **Scanning Sonar:** Consists of smaller sonar systems that can be mounted on tripods and lowered to the bottom of the waterway. Scanning sonar produces a panoramic view of the surrounding area and can cover up to 360 degrees.
- **Side Scan Sonar:** Placed inside of a shell and towed behind a vessel. Side scan sonar produces strip-like images from both sides of the device.
- **3-Dimensional Sonar:** Produces 3-dimensional imagery of objects using an array receiver.

**Applicable Grant Programs:** Amtrak, BZPP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-USASI, NSGP, OPSG, PSGP, SHSP, THSP, TSGP, UASI

**Grant Notes:** Certain sonar devices that will not damage the environment or require special permitting under the National Environmental Policy Act are eligible for funding. These devices are intended to support the detection of underwater improvised explosive devices (IED). The eligible types of sonar, and short descriptions of their capabilities, are provided in the decryption of this item.

Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 8, 10

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

14SW-02-VBAR  Barriers, Vessel

**Description:** Deployable, modular systems for restricting the movement of vessels.

**Applicable Grant Programs:** Amtrak, BZPP, EMPG, EOC, IBSGP, IBSGP, LETPA-SHSP, LETPA-USASI, NSGP, OPSG, PSGP, SHSP, THSP, TSGP, UASI

**Grant Notes:** Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:** 10

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

**Section 15  Inspection and Screening Systems**

(15IN)  Inspection Systems

(15IN-00)  ...  

15IN-00-PLSN  System, Pulsed Neutron Activation, Non-Invasive

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.
### Description:
Screening system utilizing pulsed neutrons. Non-destructive detection of CWAs in sealed containers.

### Applicable Grant Programs:
BZPP, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, MMRS, NSGP, OPSG, PSGP, SHSP, THSGP, UASI

### Grant Notes:
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

### Applicable TCL Numbers:
9, 10, 22, 24

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### 15IN-00-RADR  
Radar, Ground/Wall Penetrating

**Description:**
Radar systems designed to penetrate walls or ground to allow detection of hidden objects.

**Applicable Grant Programs:**
BZPP, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, MMRS, NSGP, OPSG, PSGP, SHSP, THSGP, UASI

**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:**
8, 9, 10, 19, 22, 23, 24, 27, 35

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### 15IN-00-XRAY  
System, Mobile Search & Inspection; X-Ray

**Description:**
Portable X-Ray systems for use in search and screening operations.

**Applicable Grant Programs:**
BZPP, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, MMRS, NSGP, OPSG, PSGP, SHSP, THSGP, UASI

**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:**
8, 9, 10, 22, 24, 27

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### (15SC)  
Screening Systems

### (15SC-00)  
...

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### 15SC-00-PMON  
Monitors, Portal

**Description:**
Systems to scan vehicles/cargo for radioactive content. Various sizes for vehicles, packages (large and small) and pedestrians. Does not identify radionuclide. DIQCode: [D,Q] Note: For explosive detection portal, see Item 07ED-03-PORT.

**Applicable Grant Programs:**
BZPP, IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, MMRS, NSGP, OPSG, PSGP, SHSP, THSGP, UASI

**Grant Notes:**
Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

**Applicable TCL Numbers:**
8, 9, 10, 19, 22, 24

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### 15SC-00-PMSP  
Monitor, Portal, Spectroscopic

**Description:**
Systems to scan vehicles/cargo for active particle content and identify source radionuclide. Variants include vehicle, rail, and seaport container configurations. DIQCode: [D,I,Q]

**Applicable Grant Programs:**
IBSGP, IBSGP, LETPA-SHSP, LETPA-UASI, MMRS, OPSG, PSGP, SHSP, THSGP, UASI

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Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.
Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

See ODP Bulletins 133 and 168 for special guidance on these items.

Applicable TCL Numbers: 8, 9, 10, 19, 22, 24

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

15SC-00-PPSS Systems, Personnel/Package Screening

Description: Fixed systems such as walk-through magnetometers and conveyor-belt x-ray systems used to screen personnel and packages for hazardous materials/devices.

Applicable Grant Programs: BZPP, IBSGP, IBSP, LETPA-SHSP, LETPA-UASI, MRRS, NSG, OPSG, PGP, SHSP, THG, UASI

Grant Notes: Grantees should leverage private assets where appropriate when implementing security enhancements at privately-owned critical infrastructure facilities.

Applicable TCL Numbers: 8, 9, 10, 19, 22, 24

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.