



Emergency
Management
Division

E911 UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY

Cancels:

E911 UPS Support Policy, July 1, 2007

See Also:

E911 County Contract Policy
WAC 118-66-050
WAC 118-66-030
RCW 82.14B.030

UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY

Uninterruptible power supply (UPS) for Public Safety Answering Point (PSAP) enhanced 911 (E911) equipment in accordance with WAC 118-66-050 is eligible for reimbursement as an Enhanced 911 expense. An E911 UPS is defined in WAC 118-66-030 as a system designed to provide power, without delay or electrical transients, during a period when the normal power supply is incapable of performing acceptably.

This policy applies to all Washington State counties eligible for the Operations Section of the County Contract.

1. Analysis

- a. A UPS provides electrical power to emergency services equipment in the event of a loss of commercial power at the PSAP. The role of the UPS is to maintain operation of critical components of the PSAP equipment long enough for commercial power or auxiliary generators to come online and become stable.
- b. Instructions on how to size an E911 UPS are available in the National Emergency Number Association (NENA) document number: NENA-04-001– NENA Recommended Generic Standards for E911 PSAP Equipment.
- c. In addition to the commercial power source, a reserve battery power supply or UPS shall be available to provide a minimum of 30 minutes of emergency power for full functionality of the following listed elements of the E911 system:
 - E911 Call Taker equipment
 - Automatic Number Identification and Automatic Location Identification (ALI) controllers
 - ALI link modems, routers, and Network interfaces
 - Telephone common equipment
 - Intelligent workstation (IWS) common equipment
 - Telecommunication Devices for the Deaf /Teletype Devices

- Call Detail Recorder Printer
- PSAP Master Clock

2. Decision

- a. The State E911 Office will reimburse eligible county PSAPs for the purchase or lease and installation of the hardware and software components required to support an enhanced 911 UPS subject to the conditions and limitations in this policy.
- b. The requested amount must be reasonable, prudent, and applicable to 911. Prior to purchasing the equipment, county must provide a written quote to state office for review and approval. Without prior written approval the purchase may not be eligible for reimbursement by the state office.
- c. Purchase or lease of any E911 equipment must follow PSAP or governing jurisdictional procurement policies.
- d. Maintenance cost shall not exceed 10 percent of the current value per contract year. Current value is calculated as original purchase price plus upgrades less replaced components. Maintenance funds may be used for agreements with vendors, time and materials and/or salaries for internal employee to maintain equipment. Maintenance funds may also be used for training internal employees to maintain equipment.
- e. Reimbursement for lease costs shall be on a year-to-year basis.
- f. Replacement of failing battery(ies) that have tested as failed or failure imminent should be replaced immediately upon discovery.
- g. Replacement of an entire battery bank must have prior written approval by state office.
- h. Battery replacement will be a separate line item from maintenance.

Approved by:



Robert Oenning, State E911 Administrator