Washington Military Department Emergency Management Division	Effective Date: July 1, 2009 **E911 UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY** **Cancels all previous E911 UPS Support Policies** See Also: E911 County Contract Policy E911 County Regionalization Policy WAC 118-66-030 WAC 118-66-050

UNINTERRUPTIBLE POWER SUPPLY SUPPORT POLICY

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

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 E911 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.

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:
    1. E911 Call Taker equipment.
    2. Automatic Number Identification and Automatic Location Identification (ALI) controllers.
    3. ALI link modems, routers, and Network interfaces.
    4. Telephone common equipment.
    5. Intelligent workstation common equipment.
    6. Telecommunication Devices for the Deaf /Teletype Devices.
    7. Call Detail Recorder Printer.
    8. PSAP Clock Synchronizer.

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 E911 UPS subject to the conditions and limitations in this policy. This should be claimed under line item B2.
b. The requested amount must be reasonable, prudent, and applicable to E911. Prior to purchasing or leasing the equipment, county must submit a written quote including shipping, handling, taxes, and installation charges to the State E911 Office for review and approval. Without prior written approval the purchase or lease may not be eligible for reimbursement by the State E911 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 approved purchase price and should be claimed under line item B2.1. 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. Maintenance funds may be used to purchase spare parts.
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. This should be claimed under line item B2.2.
g. Replacement of an entire battery bank must have prior written approval by the State E911 Office and should be claimed under line item B2.2.
h. Secondary and/or individual UPSs to maintain other equipment are not eligible for purchase, upgrades, replacement or maintenance.

3. Moratorium

In order for the State Office to complete the necessary adjustments for the Mid-Year review, a moratorium will be in place from **March 1** through **June 30**. During this moratorium, no equipment requests will be processed.

In the event of an emergency, an exception will be made on a case by case basis.

Approved by: 9/22/09
Robert Oenning, State E911 Administrator