



U.S. Department
of Veterans Affairs

Office of Construction &
Facilities Management

*Office of Facilities Planning
Facilities Standards Service*

DESIGN ALERT

MAY 19, 2015
003C2B-DA-144

Physical Security Design Manual for Mission Critical Facilities (January 2015 Edition) Revisions to Telecommunications Systems Uninterruptable Power Supply Requirements

ISSUE: Revisions of the manual are needed in order to provide appropriate levels of Uninterruptable Power Supply (UPS) in Demarcation Room and Main Computer Room per VA Office of Information and Technology (OIT).

CONCLUSION:

- 1) Revise section 9.3.1.3 (Telecommunications Systems/Demarcation Room/Power) of the 2015 PSDM to: "All equipment in the demarc room shall be powered from UPS equipment that will provide a minimum of 1 hour of service at full rated output. If the demarc room is part of the main computer room, then UPS is not required. In addition, a risk analysis shall be performed to demonstrate the need for compliance with NEC Article 708, Critical Operations Power Systems. Compliance with the provisions of NEC 708 may be required for the electrical systems serving the demarc room, including but not limited to upstream electrical distribution equipment."
- 2) Revise section 9.3.2.3 (Telecommunications Systems/Main Computer Room/Power) of the 2015 PSDM to: "All equipment in the main computer room shall be powered from UPS equipment that will provide a minimum of 4 hours of service at full rated output. In addition, a risk analysis shall be performed to demonstrate the need for compliance with NEC Article 708, Critical Operations Power Systems. Compliance with the provisions of NEC 708 may be required for the electrical systems serving the main computer room, including but not limited to upstream electrical distribution equipment."

ACKNOWLEDGEMENTS: This Design Alert was developed by a mutual collaborative effort which included the following VA Participants:

- CFM, Facilities Standards Service
- Office of Information and Technology (OIT)

CONTACT: Facilities Standards Service at til@va.gov