

Informational Note No. 5: See NFPA 730-2020, *Guide for Premises Security*, and ANSI/TIA-5017-2016, *Telecommunications Physical Network Security Standard*, for further information regarding physical security.

Informational Note No. 6: See NFPA 1600-2019, *Standard on Continuity, Emergency, and Crisis Management*, A.5.3.2. Threats to facilities that may require transfer of operation to the critical systems include both naturally occurring hazards and human-caused events.

Informational Note No. 7: See Informative Annex F, Availability and Reliability for Critical Operations Power Systems; and Development and Implementation of Functional Performance Tests (FPTs) for Critical Operations Power Systems.

Informational Note No. 8: See Informative Annex G, Supervisory Control and Data Acquisition (SCADA).

Informational Note No. 9: Text that is followed by a reference in brackets has been extracted from NFPA 1600-2019, *Standard on Continuity, Emergency, and Crisis Management*. Only editorial changes were made to the extracted text to make it consistent with this *Code*.

Article 708 addresses homeland security issues for facilities that are mission critical. These requirements go beyond those of Article 700, in that these electrical systems must continue to operate during the full duration of an emergency and beyond. See Exhibit 708.1. Examples of facilities that would use a critical operations power system (COPS) include police stations and fire stations. Not all such facilities within an area would be designated as COPS. Because power must operate continuously with a robust power supply, only those facilities that are designated as critical would be included.

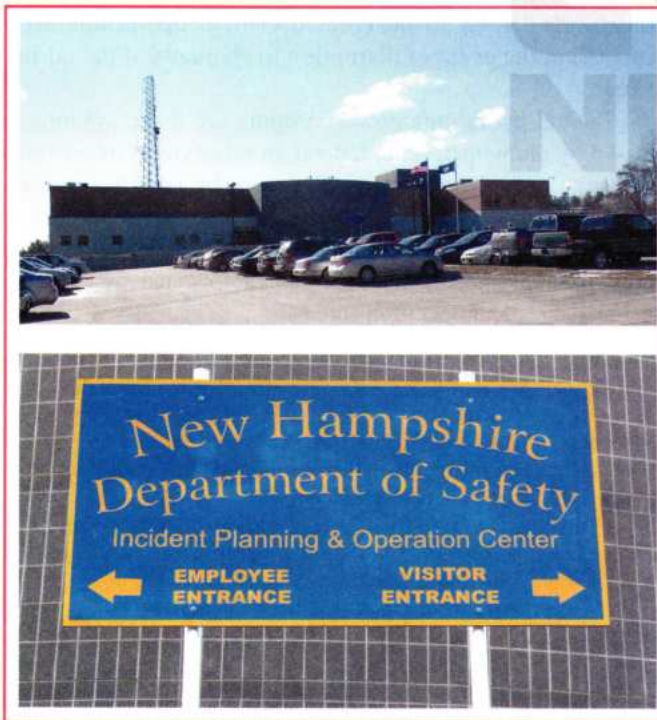


EXHIBIT 708.1 New Hampshire Department of Safety Emergency Management Center, a typical COPS facility: (top) facility and (bottom) facility signage.

708.2 Reconditioned Equipment. Reconditioned transfer switches shall not be permitted.

708.4 Risk Assessment. Risk assessment for critical operations power systems shall be documented and shall be conducted in accordance with 708.4(A) through (C).

Informational Note: See NFPA 1600-2019, *Standard on Continuity, Emergency, and Crisis Management*, Chapter 5, which provides additional guidance concerning risk assessment and hazard analysis.

(A) Conducting Risk Assessment. In critical operations power systems, risk assessment shall be performed to identify hazards, the likelihood of their occurrence, and the vulnerability of the electrical system to those hazards.

(B) Identification of Hazards. Hazards to be considered at a minimum shall include, but shall not be limited to, the following:

- (1) Naturally occurring hazards (geological, meteorological, and biological)
- (2) Human-caused events (accidental and intentional)

(C) Developing Mitigation Strategy. Based on the results of the risk assessment, a strategy shall be developed and implemented to mitigate the hazards that have not been sufficiently mitigated by the prescriptive requirements of this *Code*.

708.5 Physical Security. Physical security shall be provided for critical operations power systems in accordance with 708.5(A) and (B).

(A) Risk Assessment. Based on the results of the risk assessment, a strategy for providing physical security for critical operations power systems shall be developed, documented, and implemented.

(B) Restricted Access. Electrical circuits and equipment for critical operations power systems shall be accessible to qualified personnel only.

708.6 Testing and Maintenance.

(A) Conduct or Witness Test. The authority having jurisdiction shall conduct or witness a test of the complete system upon installation and periodically afterward.

(B) Tested Periodically. Systems shall be tested periodically on a schedule approved by the authority having jurisdiction to ensure the systems are maintained in proper operating condition.

(C) Maintenance. The authority having jurisdiction shall require a documented preventive maintenance program for critical operations power systems.

Informational Note: See NFPA 70B-2019, *Recommended Practice for Electrical Equipment Maintenance*, for information concerning maintenance.