CODE APPLICATION NOTICE

FILE NO.: 3-700.4(A)
Subject: On-site Generator Testing **EFFECTIVE:** 06/19/08

CODE SECTIONS: Article 700.4(A), 2007 California Electrical Code (CEC)
Section 101.5, 2007 California Building Code (CBC)

2007 California Electrical Code:
700.4(A) Conduct or Witness Test. The authority having jurisdiction shall conduct or witness a test of the complete system upon installation and periodically afterward.

2007 California Building Code:
101.5 Referenced codes. *The codes, standards and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code. When this code does not specifically cover any subject related to building design and construction, recognized architectural or engineering practices shall be employed. The National Fire Codes and the Fire Protection Handbook of the National Fire Protection Association are permitted to be used as authoritative guides in determining recognized fire prevention engineering practices.*

PURPOSE:
The current code does not specifically cover what tests are required upon completing the installation of an on-site generator set. This can lead to confusion and/or disputes during the final phase of a project as to what specific tests are necessary. The acceptance testing requirements in NFPA-110, 2005 Standard for Emergency and Standby Power Systems are a nationally recognized standard that completely details the specific tests required for testing on-site generator sets.

INTERPRETATION:
Permanently installed on-site generator sets for health care facilities shall be tested in accordance with the 2005 NFPA 110 Standard for Emergency and Standby Power Systems, Section 7.13 Installation Acceptance. All safety devices shall be tested as specified in Section 7.13.11, however the safety devices provided may comply with 2005 NFPA-99 Section 4.4.1.1.16 in lieu of NFPA-110 Section 5.6.5.2. The emergency power supply system shall be considered as a Level 1 system for testing purposes. Upon loss of normal power the emergency power supply system shall provide emergency power within 10 seconds as required by Article 700.12, 2007 CEC. Personnel from the Office of Statewide Health Planning and Development shall not conduct testing but shall witness installation acceptance testing.

Original Signed 06/19/08
John D. Gillengerten Date