

## Chapter 27 - Electrical

### SECTION 2701 GENERAL

**2701.1 Scope.** This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of *The Electricity Wiring Regulations 2007, Revision 1*, dated January, 2009, as promulgated by the Regulation and Supervision Bureau, Emirate of Abu Dhabi.

### SECTION 2702 EMERGENCY AND STANDBY POWER SYSTEMS [F]

**2702.1 Installation.** Emergency and standby power systems required by this code or the *UAE Fire and Life Safety Code of Practice* shall be installed in accordance with this code, NFPA 110 and 111. [F]

**2702.1.1 Stationary generators.** Stationary emergency and standby power generators required by this code shall be *listed* in accordance with UL 2200. [F]

**2702.2 Where required.** Emergency and standby power systems shall be provided where required by Sections 2702.2.1 through 2702.2.20. [F]

**2702.2.1 Group A occupancies.** Emergency power shall be provided for emergency voice/alarm communication systems in Group A occupancies in accordance with Section 907.5.2.2.4. [F]

**2702.2.2 Smoke control systems.** Standby power shall be provided for smoke control systems in accordance with Section 909.11. [F]

**2702.2.3 Exit signs.** Emergency power shall be provided for *exit* signs in accordance with Section 1011.5.3. [F]

**2702.2.4 Means of egress illumination.** Emergency power shall be provided for *means of egress* illumination in accordance with Section 1006.3. [F]

**2702.2.5 Accessible means of egress elevators.** Standby power shall be provided for elevators that are part of an *accessible means of egress* in accordance with Section 1007.4. [F]

**2702.2.6 Accessible means of egress platform lifts.** Standby power in accordance with this section or ASME A 18.1 shall be provided for platform lifts that are part of an *accessible means of egress* in accordance with Section 1007.5. [F]

**2702.2.7 Horizontal sliding doors.** Standby power shall be provided for horizontal sliding doors in accordance with Section 1008.1.4.3. [F]

**2702.2.8 Semiconductor fabrication facilities.** Emergency power shall be provided for semiconductor fabrication facilities in accordance with Section 415.8.10. [F]

**2702.2.9 Membrane structures.** Standby power shall be provided for auxiliary inflation systems in accordance with Section 3102.8.2. Emergency power shall be