

6. Emergency Voice Evacuation System and Two-way Telephone System Material Test Standards and Approval.

6.1. Acceptable Test Standards and criteria

6.1.1. All the Speakers, Voice Equipment, Control Systems, Materials, Assemblies, wiring, fittings, Products and Accessories, referred to in this chapter shall be Listed, Approved and Registered by the Civil Defence Material Approval Department.

6.1.2. There is no year of edition mentioned against any test standards. It is the intent of Civil Defence to convey to the customers seeking laboratory tests and the test laboratories to follow the "LATEST EDITION OF THE TEST STANDARD, AS AND WHEN THEY ARE UPGRADED/REVISED/AMENDED, TO THE DATE."

6.1.3. Emergency Voice Evacuation Systems

- i. ANSI/UL 2572, Mass Notification Systems.
- ii. UL 864, Standard for Control Units and Accessories for Fire Alarm Systems.
- iii. FM 3010, Fire Alarm Signaling Systems
- iv. FM 3011, Central Station Service for Fire Alarms and Protective Equipment Supervision.
- v. EN 54-16, Voice Alarm Control and indicating equipment
- vi. ISO 7240-16, Voice Alarm Control and indicating equipment

6.1.4. Speakers

- i. ANSI/UL 1480, Standard for Speaker
- ii. ULC-S541-07, Standard for Speaker
- iii. FM 3150, Audible Notification Appliances for Automatic Fire Alarm Signaling
- iv. EN 54-24, Loud Speakers
- v. ISO 7240-24 Loudspeakers

6.1.5. Amplifiers

- i. UL 864, Standard for Control Units and Accessories for Fire Alarm Systems
- ii. UL 1711, Amplifiers for Fire Protective Signaling Systems
- iii. EN 54-16, Voice Alarm Control and indicating equipment

6.1.6. 2-Way Telephone System

- i. UL 864, Standard for Control Units and Accessories for Fire Alarm Systems
- ii. EN 54-21, Alarm Transmission and fault warning routing equipment