

Table 7.1: Specifications of Emergency Voice Evacuation or Communication Systems

ITEMS	REQUIREMENTS
7. CONTROL SYSTEM	<p><u>1. GENERAL</u></p> <ul style="list-style-type: none"> i. EVC operating instructions shall be posted at the control system. ii. Manual controls shall be arranged to provide visible indication of the on/off status for their associated signaling zone. iii. Systems shall be provided with manual voice transmission capabilities selectively to one or more zones or on an all-call basis. <p><u>2. MESSAGE PRIORITY</u></p> <ul style="list-style-type: none"> i. Voice Evacuation messages shall override previously initiated signals, messages, music, communication signals etc. to the selected notification zone. ii. If such an initiated recorded Voice Evacuation message is interrupted by live voice instructions, upon release of the microphone, the previously initiated recorded messages to the selected notification zones shall not resume playing automatically unless triggered again manually or required by the emergency response plan. iii. Fire alarm signals shall be distinctive, clearly recognizable, and, with the exception of mass notification inputs, take precedence over any other signal even when a non-fire alarm signal is initiated first and shall be indicated as follows in descending order of priority . <ul style="list-style-type: none"> a. Signals associated with life safety b. Signals associated with property protection c. Trouble signals associated with life and/or property protection d. All other signals
8. ANCILIARY FUNCTIONS (MULTI-PURPOSE, MUSIC, COMMUNICATIONS ETC.)	<ul style="list-style-type: none"> i. Ancillary functions (Non-emergency functions) such as Music, Commentary, Live shows, general communication messages etc., shall be permitted but shall not impair the required operation of the emergency voice evacuation or communications system. ii. Loudspeakers used for emergency communications system functions also providing ancillary functions shall meet the following conditions. <ul style="list-style-type: none"> a. The loudspeakers and associated audio equipment are installed or located with safeguards to resist tampering or misadjustment of those components essential for intended emergency notification. b. The monitoring integrity requirements continue to be met while the system is used for non-emergency purposes. iii. Ancillary functions shall be inspected and tested annually to verify they will not impair the operation of the fire alarm system or the emergency voice evacuation system. iv. Where emergency communications systems utilize Class N pathways that are also shared Level 1 or Level 2 pathways, as a means to support ancillary functions, devices, or interconnected systems , the shared pathways shall meet the requirements of Table 7.1. 8.
9. CIRCUITS AND WIRING	<ul style="list-style-type: none"> i. All the voice evacuation system circuits monitoring speakers shall be class A, addressable circuits, with redundant pathways. ii. Operational capability continues past a single open, and the single open fault shall result in a trouble signal. iii. Conditions that affect the intended operation of the path are annunciated as a trouble signal. iv. Operational capability is maintained during the application of a single ground fault. v. A single ground condition shall result in the annunciation of a trouble signal. vi. All cables and wiring used for emergency voice evacuation or communication systems shall be 2 hour fire rated.