Audio Verification Standard

Protocol for Audio Verification and Two-Way Voice - Monitoring Service Command Set

Sponsor:
Security Industry Association

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ACKNOWLEDGMENTS:

This standard was developed by the Security Industry Association’s (SIA) Audio Verification Standards Subcommittee. The voting members of the Subcommittee at the date of publication are listed below.

SIA gratefully acknowledges the efforts of the many volunteers from the security industry that helped the Subcommittee develop this standard.

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1 Scope, Need, Purpose and Application

1.1 Scope

This proposed standard describes the minimum requirements for command sets for a monitoring service operator pressing buttons on a touch-tone phone to control an audio verification system at the customer’s premises. The monitoring service operator generates dual-tone multi-frequency (DTMF) signals by pressing buttons on a touch-tone phone connected in parallel with the monitoring service receiver’s phone line. The audio verification system at the premises receives and interprets these signals.

An initial command set controls basic two-way voice operation. One group of command sets toggles, turns off and turns on individual microphones or microphone zones at the premises. Another group of command sets toggles, turns off and turns on relays or relay zones at the premises. Additional command sets can be used for integrated home system control.

1.2 Need

Use of a standard Audio Verification and Two-Way Voice command set by security system manufacturers would eliminate much confusion that confronts monitoring service operators who support a multitude of security systems, each using its own command set. Reducing the confusion confronting monitoring service operators enhances security services provided to customers by assuring that monitoring service operators can respond more quickly and reliably to emergency situations.

1.3 Purpose

The purpose of this proposed standard is to define a basic set of responses to DTMF signals to control two-way voice, microphones, relays, and integrated home system features.

1.3.1 This proposed standard describes command sets for controlling the following functions:

1. two-way voice control
2. microphone zoning
3. relay control.

1.3.2 This proposed standard also suggests a method for using computer-activated DTMF signals to control integrated home system features.

1.4 Application

The proposed standard command sets are to be implemented by manufacturers of audio verification systems and integrated home systems. Monitoring service and other operators will use these command sets to control security systems and integrated home systems.