Orange County Fire Authority, Fire Prevention Division

Approval of Alternate Technology as Single Path of Communication

The following technology, with the specific configuration, equipment, and requirements listed below, has been approved for use within the jurisdictions served by the OCFA. This approval letter shall be included on all plans submitted to the OCFA for alarm or monitoring systems utilizing this technology.

System Name: *DSC 3G3070CF Communicator*

Transmission Technology: *Cellular 3G (HSPA) or 2G (GSM/GPRS) via wireless network (may be shown under licensee's name: Connect 24); transmits IP data directly to central station without going through third party receiving station or server*

Method of signal and data integrity: *Method 3—checksum verification*

Communicator Make/Model: *DSC 3G3070CF Communicator, CSFM listing 7300-1273:0140*

Receiver Make/Model: *Sur-Gard System III UL listed receiver utilizing SG-DRL3-IP line card*

Data Throttling capable?: *None*

Central Station: *Any utilizing the receiver specified above*

Special Requirements:
o Any failure of the communication path shall be annunciated at the central station within 5 minutes.[1]
o Incomplete, corrupted, or other signal errors will be recorded and displayed at the central station. *Communicator will resend message if receipt is not acknowledged by receiver at central station.*
o The record and display rate of subsequent alarms will not be less than one every 10 seconds.
o Compatible with control panels that communicate using Contact ID format.
o Can use attached external antenna
o Installed in separate enclosure connected to main alarm panel; has its own back-up batteries

Inspection procedure:
[1]*Verify check-in timing. Timing is programmed into the communicator. Must communicate every 5 minutes. Will annunciate at central station if check-in is not received.*

3G3070CF has a network connection and signal strength indicator.
Presence and frequency of red LED flashes indicates connection and strength:
- *1 flash=power trouble*
- *2 flashes=radio/SIM failure*
- *3 flashes=GSM network problem/SIM card inactive/poor signal strength/no antenna*
- *4 flashes=insufficient signal strength/poor location*
- *5 flashes=configuration failure*
- *6 flashes=receiver not available*
- *8 flashes=primary receiver absent*
- *9 flashes=AC trouble*

Green LED (top)=optimal reception
Green LED (bottom)=no GSM service available, if green (bottom) is off and red is on; blinking=bad reception; on=connected to HSPA/GSM network

Approved: 12-11-12, SR182594