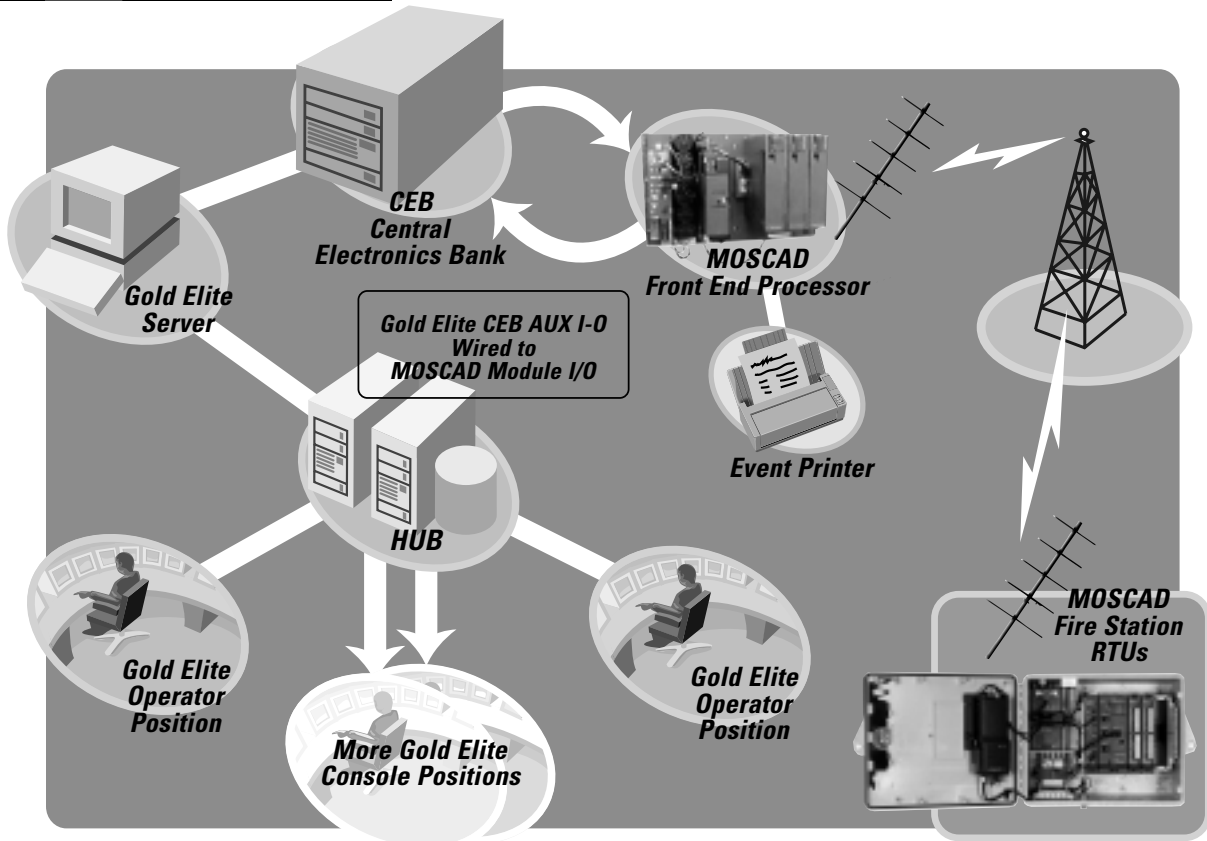


**FIRE/EMS STATION
ALERTING SOLUTION
WITH HARDWARE
CEB AUX I-O**



Operators select icons on the Gold Elite Screens to Quickly Alert Fire Stations

ALERTING BASED ON PROVEN MOSCAD TECHNOLOGY

MOSCAD technology has been used for years in the Public Safety market for Fire Station Alerting, Security and Siren Control.

- *The Gold Elite - MOSCAD Fire/EMS Station Alerting System provides a low cost entry for small size agencies that requiring core Fire Station Alerting features.*

QUICK AND EFFICIENT ALERTING

Alerts sent to one or more Fire Station Remote Terminal Unit (RTU) are transmitted in a single control message.

- *Dispatchers can start the Voice Alert within seconds, alerting multiple Fire Stations simultaneously.*

SYSTEM CONFIGURATION BY THE MOTOROLA SERVICE PROVIDER

System set-up software allows the Motorola Service Provider to make changes without revised software or hardware from the factory.

- *Helps minimize the delay and cost of adding features or additional Fire Stations to the system.*

USER CUSTOMIZED ALERTS

The MOSCAD system uses the ACT (Audio Control & Tone) Module developed by Motorola for the Fire Market Industry.

- *The ACT module can support up to four 30-second tones or messages which can be uniquely tailored for each customers requirements.*
- *A ramped heart saver pre-alert tone can be heard within the involved fire stations at the beginning of a notification.*

(continued)

AUTOMATED CONTROLS

Automated controls may be assigned for the eight MOSCAD output relays. Relays have configurable timers which can be assigned to one, some or all of the alerts.

- *When properly configured, the MOSCAD RTU can automatically turn on lights within the building, open bay doors, turn off the kitchen electrical stove, and even turn on the exhaust system. Such automation can free the firefighters from routine tasks so they focus on critical issues or emergencies.*
- *The MOSCAD Fire / EMS Fire Station alerting system is very flexible to support a wide variety of customer requirements*

PRINTED LOGGING OF EVENTS AND ALERTS

The MOSCAD Front End Processor supports a serial printer interface. The printed information includes time stamped events and alarms such as the initiated alert, the stations selected, the time the alert was sent out, alarms and personal acknowledgements.

- *This printout provides a time stamped audit trail for future reference*

GENERAL SPECIFICATIONS

CEB (Central Electronics Bank) AUX I-O Cards	Four CEB AUX I-O Cards are required. 16 I-O per card.
MOSCAD FEP (Front End Processor) I-O Modules	Two 16 D-I Modules. Two 16 D-O Modules.
MOSCAD or MOSCAD-L RTU at Fire Station	MOSCAD-L with low power portable radio, one 16 Discrete Input (DI) module and one 8 Discrete Output (DO) (0.4A) module. MOSCAD RTU with high power mobile radio, one 16 Discrete Input (DI) module and one 8 Discrete Output (DO) (10Amp) module.
ACT (Audio Control & Tone) Module	The ACT module serves as a player of recorded voice and alarm sounds and also routes low-level level audio signals from the voice radio to the Fire Station Public Address amplifier. The ACT module supports up to four 30 second tones or messages which can be uniquely tailored for each customers requirements.
Maximum System Capability	24 Fire Stations or 24 Apparatus.
RF Communications	Motorola Analog Trunking, Conventional VHF & UHF.
Global Functions	Alert #1, #2, #3, General Announcement, Start, Stop, Dispatcher "Talk Now" Indicator, Alert Error Indication – Too many alerts selected, Fire Station General Alarm – See Printout, Alerting Failure – See Printout, Manual Acknowledgement from each Fire Station.
Fire Station RTU D-I (Discrete Inputs)	The Fire Station RTU can support up to 16 inputs. The first input will be assigned as personnel acknowledgment. The personnel acknowledgment input will close a contact on the MOSCAD FEP and consequently display on the console and send a message to the FEP printer. The 15 other inputs will be sent as alarms to the FEP printer.
Fire Station RTU D-O (Discrete Outputs)	Automated outputs may be assigned for the eight outputs. Each output may have a programmable "on" timer (0 – 180 sec.) associated with it. Each of these outputs will trigger when an alert is received at the station. Each output can be assigned to one, some or all of the alerts. Each output will time out based on its timer and/or can be set to end, based on a contact closure from DI - #1.
System Polling	The MOSCAD FEP has a configurable time schedule for polling the Fire Station RTUs in the system.



Refer to the Motorola web site: <http://www.mot.com/MOSCAD> or to our regional offices:

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