# Alert III Crash System
# Basic System Overview & Training

# Alert III Emergency Conference System

- PCAS / SCN - Primary /Secondary Airfield Crash Net

- Instant Emergency Conferencing for First Responders

- Proven Design for Performance and Reliability

- Meets DOD / AFI and FAA Requirements for  Airfield Communications

# Standalone, independent system.

- No connection to LAN / WAN
- With local UPS, impervious to power surges or outages - line powered.

RS232 Interface - 4 wire

Loop start analog signalling - FXS/FXO-2 wire.

**System Console: PC GUI**

- Visual Status of all elements.
- Basic Functional controls.
- Configuration changes.
- Not vital for operation.
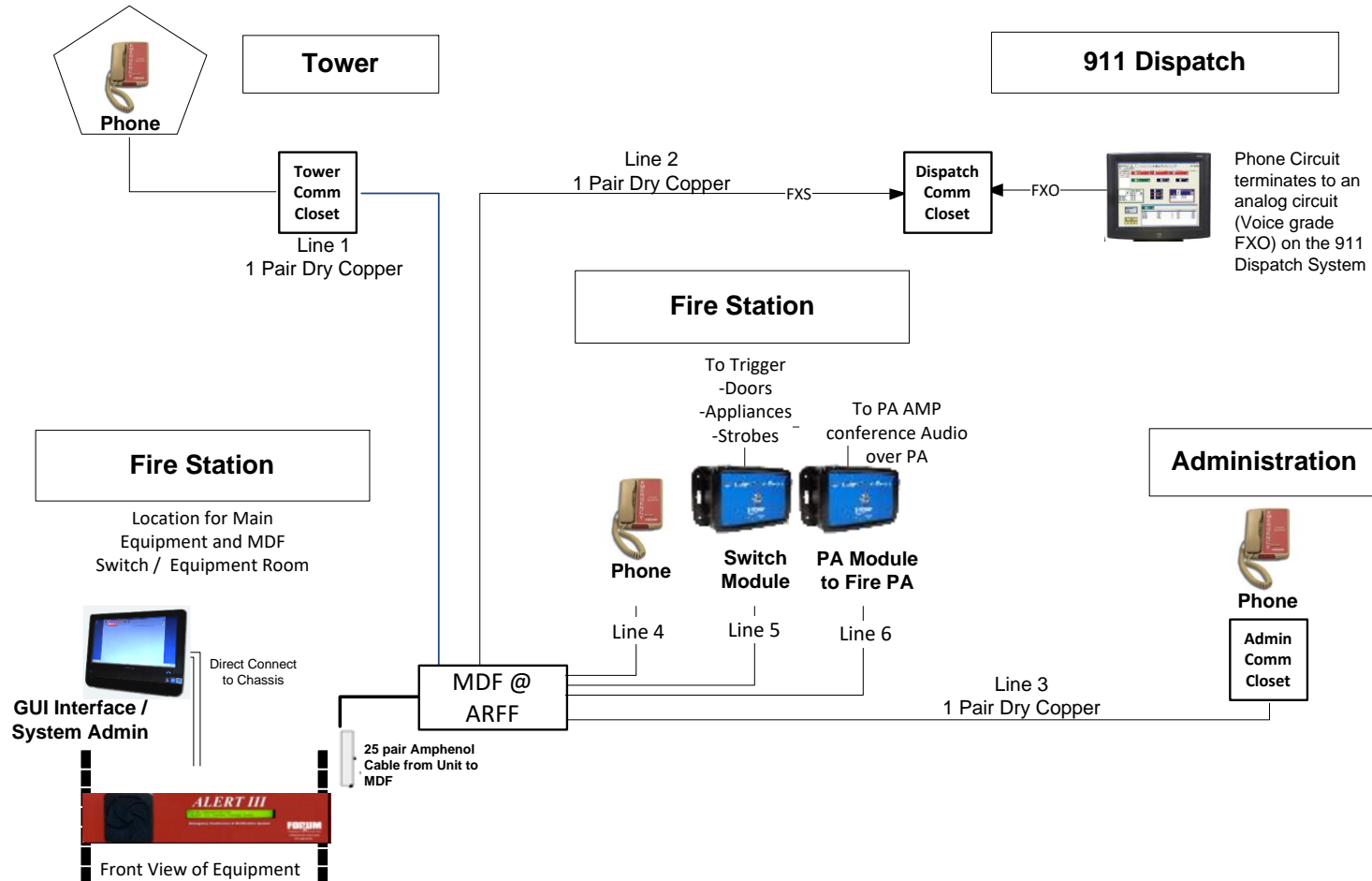- All in one PC w Forum Software

**System chassis:**

- Fully integrated total system functionality.
- Conference control.
- Ringing stations.

**Telephones:**

- Analog, line powered station sets.
- Push to Talk Handsets
- Visual LED ringing indicator.
- Handset volume control.
- HI /LOW ringer control.

# Alert III Crash System
## Typical Airport Design

**Tower**

**Phone**

**911 Dispatch**

**Tower Comm Closet**

Line 2
1 Pair Dry Copper

FXS →

**Dispatch Comm Closet**

← FXO

Phone Circuit terminates to an analog circuit (Voice grade FXO) on the 911 Dispatch System

Line 1
1 Pair Dry Copper

**Fire Station**

To Trigger
-Doors
-Appliances
-Strobes

To PA AMP conference Audio over PA

**Administration**

**Fire Station**

Location for Main Equipment and MDF Switch / Equipment Room

**Phone**

**Switch Module**

**PA Module to Fire PA**

**Phone**

**Admin Comm Closet**

Direct Connect to Chassis

Line 4

Line 5

Line 6

Line 3
1 Pair Dry Copper

**GUI Interface / System Admin**

**MDF @ ARFF**

**25 pair Amphenol Cable from Unit to MDF**

**ALERT III**

Front View of Equipment

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# User Interface (GUI) provides Visual Indication of System Status

- When a designated Blast Initiator phone is taken off hook, a crash blast of all "armed" lines is performed.
- The Touch Screen User Interface indicates when a line is ringing and answered.
- Clear Conference Audio is established immediately, with no ring tones heard while participants join the call.
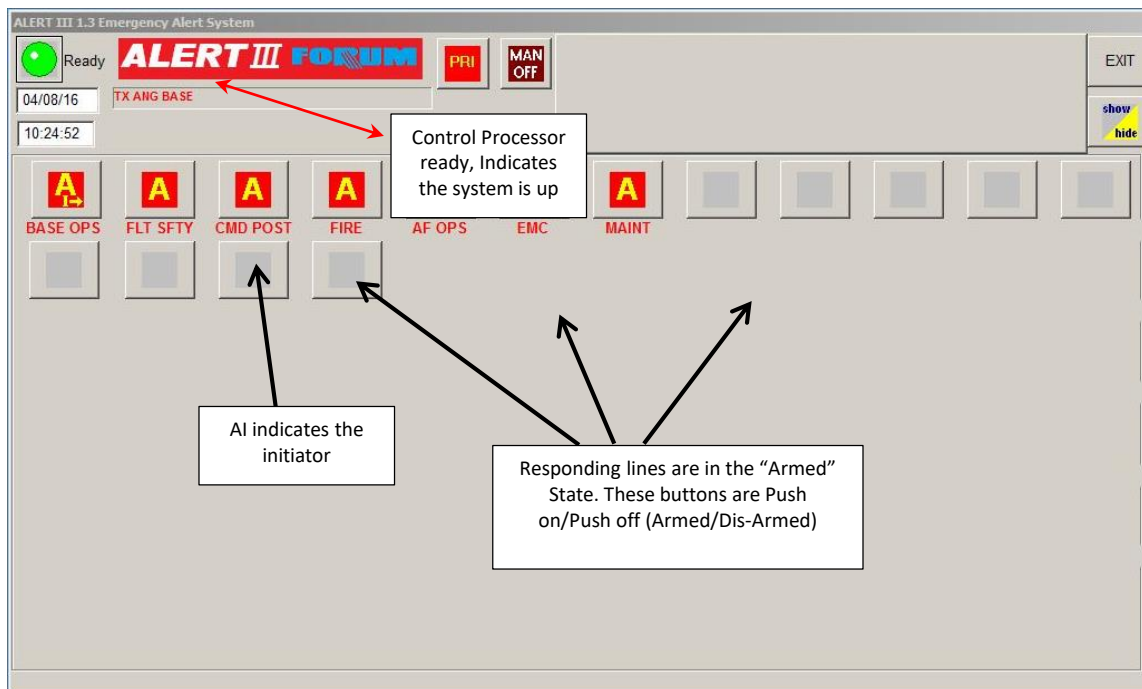


**Each Agency can be in one of four states:**

**Armed:** station will ring

**Armed and Initiator:** station will initiate a blast and ring if other station initiates.

**Initiator Only:** station will initiate a blast, but will NOT ring if other station initiates. e.g., ATC Tower for Primary.
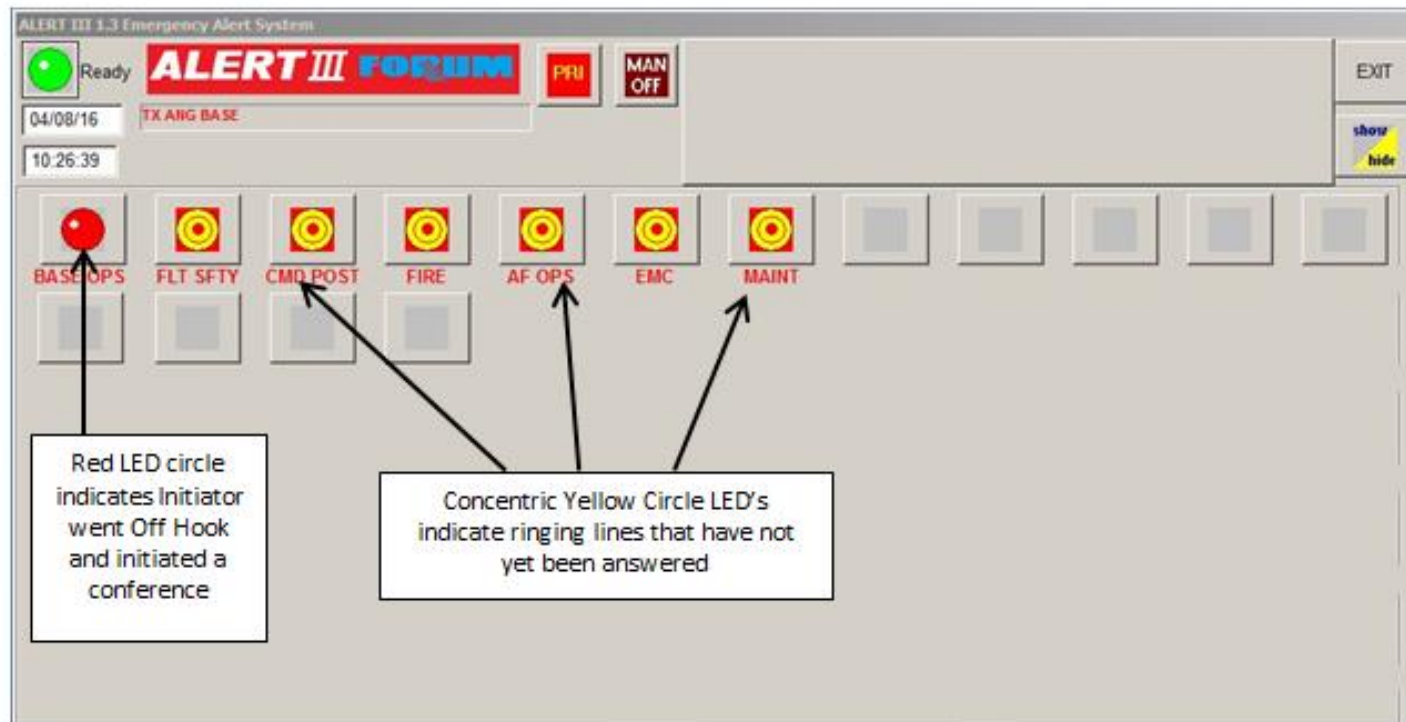
**Unarmed:** not active

## Testing Crash Blast System/Ringing

Figure xx:   Ringing

## Testing Crash Blast System/Answered
**Figure xx:    Answered**



Red LED's for Primary (PCAS) indicate lines that have been answered and are actively in the conference
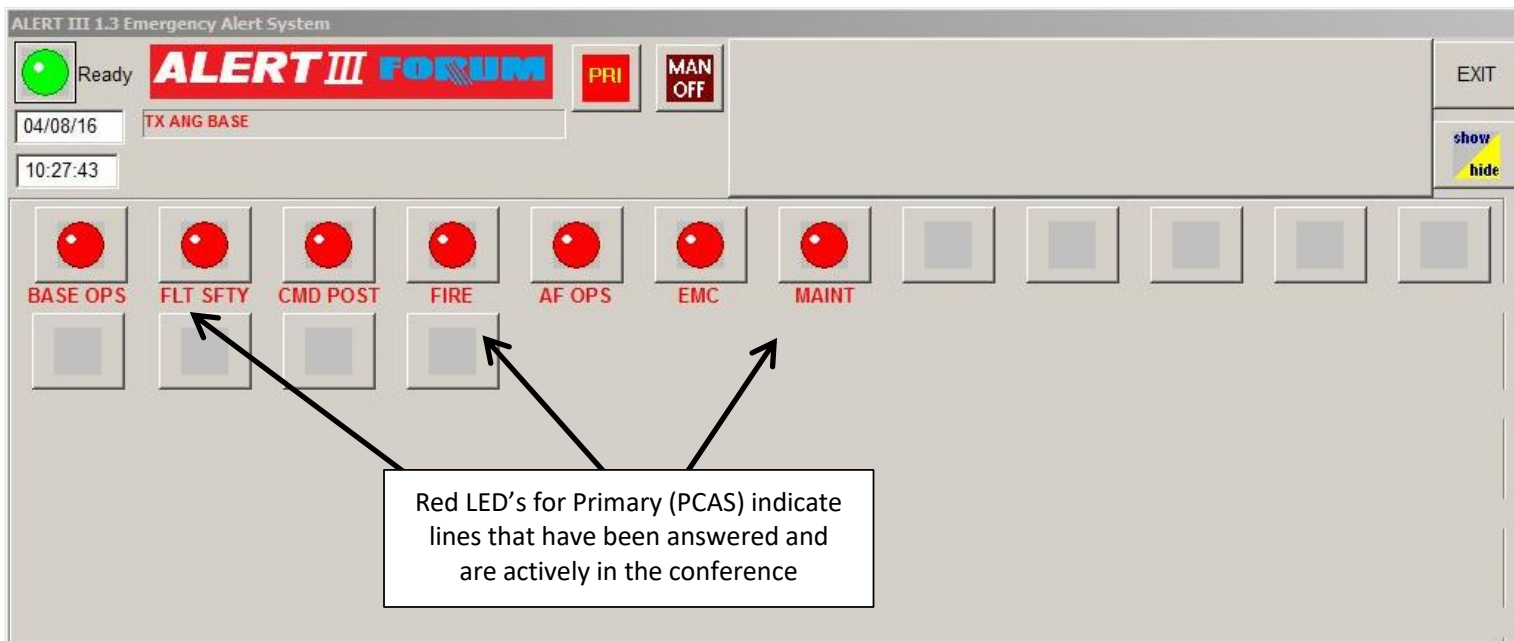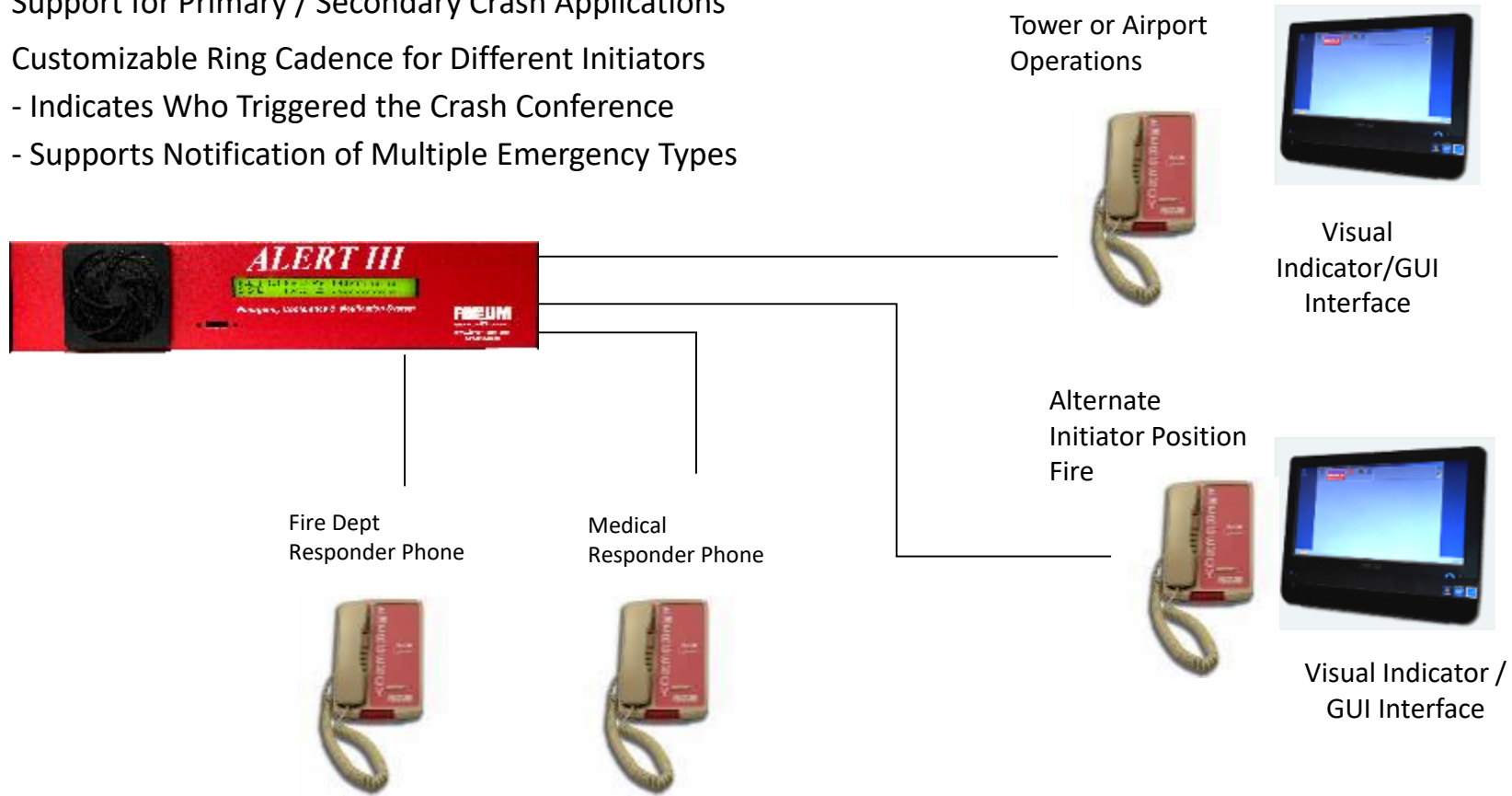
# Alert II Emergency Conference System

## Dual User Interfaces Support Multiple Control Points

- Fully Functional (Full Duplex) System User Interfaces

- Support for Primary / Secondary Crash Applications

- Customizable Ring Cadence for Different Initiators
  - Indicates Who Triggered the Crash Conference
  - Supports Notification of Multiple Emergency Types

Tower or Airport
Operations

Visual
Indicator/GUI
Interface

Alternate
Initiator Position
Fire

Fire Dept
Responder Phone

Medical
Responder Phone

Visual Indicator /
GUI Interface

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## Specialized Telephone Instruments

- Push to talk handset provides positive audio control while minimizing interference from noisy environments.

- Flashing red LED provides visual ringing indication.

- Two ringing volumes, low / high. Switch selectable on back of set.

- On Hook audio volume, adjustment bar on faceplate.

- Positive retention handset prevents accidental activation.

- Customizable faceplate color and emblem.

## Push to Talk Handsets

**Push *and* Hold the button to speak,**

**Release the button to listen.**

## Specialized Peripheral Modules

- Forum line interface modules provide an interface to:

  - **Public Address (PA) systems** in Fire or Airfield Operations areas for conference audio.

  - **Contact closure devices** to activate Fire Bay Doors, bells, klaxons, runway lights, and / or ARFF appliances.

  - **Radio Interface systems** to broadcast conference audio over one or more radio frequencies.

  - A selection **of Indoor / Outdoor strobe lights**, sirens, or visual indicators.

# Alert III Emergency Conference System

**Service and Support**

Forum provides a ***One Year (1) Remote Support Agreement***, effective from date of acceptance, 8 to 32 port chassis. Forum will perform remote diagnostics and provide advance replacement of components, if required.

Forum offers a complete program of service and support options for our customers, from additional training and certifications to remote diagnostics, documentation and support.  For assistance just call or email.

For Technical Phone Support, contact us as shown below:
      Monday - Friday (8:30 am to 5:30 pm CST)
      Alert III Products Support Line: 972-619-8585
      support@forum-com.com

# Thank you!