

EMA Public Safety Report

November 19, 2013

Communications Upgrade (Tower) Project:

Site Walks and Path Surveys completed with Motorola and Aviat October 29-31.

Electricity service to Smyrna Tower site this week.

Milton Site Electrical complete and Fire Antenna installed this week.

Hutson Site clearing/cleaning begun; then add Tower light & remove existing dish.

RCSO Tower Site needs electrical upgrades.

DNAWAS (Digital National Warning System) Placement:

TEMA is currently in the process of purchasing DNAWAS and installing at one location for each county. TEMA will provide this for the first year service and installation at no cost. Needs to be located with 7x24 monitoring. Rutherford County's location for NAWAS is currently MPD.

TEMA will pay for equipment, installation, maintenance, technical support and the first year of service in each county 24 hour warning point. Training is included for the first year. Training consists of two half day workshops per region. After the first year, each site will be responsible for their annual license /usage fee. The licenses/usage fees available for each package are listed below.

Tier 1: Basic Package

- Basic License/usage fee (\$606.00 yr.)
- Voice Only Communications
- No Redundancy (Internet Only)

Tier 2: Intermediate Package

- Intermediate License/usage fee (\$853.00 yr.)
- Voice and Data Communications
- No Redundancy (Internet Only)

Tier 3: Premium Package

- Premium License/usage fee (\$976.00 yr.)
- Voice Only Communications
- With Redundancy (Internet & Satellite)

Tier 4: Elite Package

- Elite License/usage fee (\$2,359.70 yr.)
- Voice and Data Communications
- With Redundancy (Internet & Satellite)

Note: For annual maintenance fee and technical support add \$247 per year per plan – optional.

Upcoming Events:

- Campus Emergencies Course Dec 16-17, Nashville
- 700/800 MHZ RPC 12/8 @ 9 am in EOC
- HAZMAT Operations Course, Jan 6-10, LaVergne



Digital NAWAS

Statewide Notification System NAWAS Upgrade

Upgrade Objectives



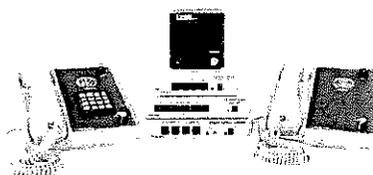
1. Increase Reliability
 - a) Latest Technology
 - b) Redundant Connections
 - c) Advanced System Monitoring

2. Enhance Capabilities
 - a) Multiple Group Circuits
 - b) Point to Point Calling
 - c) Flexible Equipment Options

3. Reduce Service & Maintenance Costs



Current NAWAS System

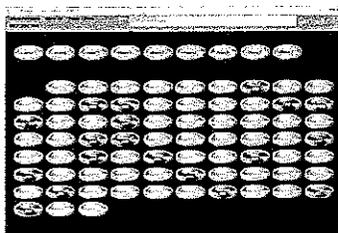


1. Dated System
 - a) Limited pool of technicians trained for circuit maintenance and troubleshooting
 - b) Infrastructure reaching end of life
 - c) Limited availability of parts
2. Limited Capabilities
 - a) Multiple Group Circuits
 - b) Point to Point Calling
 - c) Flexible Equipment Options
3. Rising Cost
 - a) High price for maintenance, installation, & service
 - b) Hundreds of \$ per month

System Overview



EM*net*



1. Multiple Group Circuits
 - a) Statewide NAWAS Circuit
 - b) Regional and NWS Circuits
 - c) Special Event & Response Groups
2. Point to Point Calling
 - a) Private conversations with any endpoint
3. No Dialing
 - a) Intuitive user interface
 - b) One touch calling
4. Data Capability
 - a) Point to Point Messaging
 - b) Situation Report
 - c) Emergency Notifications & Weather Alerts
 - d) EAS Origination including IPAWS, CMAS, and HazCollect

Deployment Overview



Four equipment options are available. You can choose the package that best fits their needs/requirements. TEMA will pay for equipment, installation, maintenance, technical support and the first year of service in each county 24 hour warning point. Training is included for the first year. Training consist of two half day workshops per region. For annual maintenance fee and technical support add \$247 per year per plan (optional)

Tier 1: Basic Package (\$606.00 yr.)

- Voice Only Communications
- No Redundancy (Internet Only)

Tier 2: Intermediate Package (\$853.00 yr.)

- Voice and Data Communications
- No Redundancy (Internet Only)

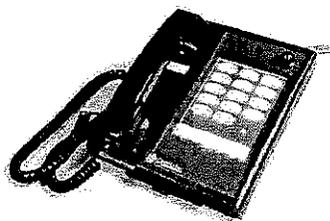
Tier 3: Premium Package (\$976.00 yr.)

- Voice Only Communications
- With Redundancy (Internet & Satellite)

Tier 4: Elite Package (\$2,359.70 yr.)

- Voice and Data Communications
- With Redundancy (Internet & Satellite)

Tier 1: Basic Package

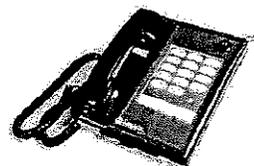


Equipment Basic Package:

EMnet Voice Manager – EMphone

Touch screen voice terminal with dual WAN support, built in speaker, volume control, LED alert light, analog recorder output, and PTT handset. Unit can be powered by 110v A/C or POE power.

Tier 1: Basic Package



Advantage:

- Direct replacement for existing NAWAS terminal
- Simple touch screen interface
- No computer is needed
- Provides all of the new voice capabilities

Disadvantage

- Does not provide redundancy (internet only)
- Does not provide data capabilities (messaging, notifications, EAS, etc.)

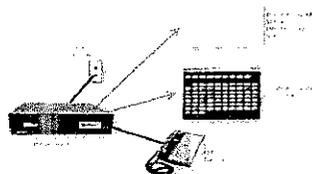
Tier 2: Intermediate Package



Equipment Intermediate Package:

EMnet Package – Internet with Touch Screen

- EMnet rack mount computer
- Touch screen monitor
- USB Keyboard
- USB Mouse
- Pre-loaded EMnet messaging software



EMnet EAS Originate Package – Primary

- EMnet EAS originate software
- USB studio microphone

EMnet Voice Manager Package – USB Terminal

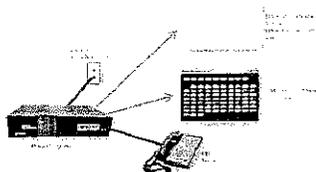
- EMnet Voice Manager software
- USB PTT Terminal with built in speaker, volume control, LED alert light, analog recorder output, and PTT handset. Unit is powered by USB.

Tier 2: Intermediate Package



Advantage:

- Replaces existing NAWAS terminal
- Provides all of the new voice capabilities
- Includes messaging capabilities
- Includes notification tools for automatic distribution of emergency alerts, weather data, situation reports, etc.
- Provides EAS origination tools for send alerts via EAS, IPAWS, CMAS, and HAZCOLLECT.



Disadvantage

- Does not provide redundancy -internet only
- Space for computer

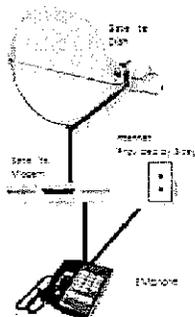
Tier 3: Premium Package



Equipment Premium Package:

EMnet Voice Manager - EMphone

Touch screen voice terminal with dual WAN support, built in speaker, volume control, LED alert light, analog recorder output, and PTT handset. Unit can be powered by 110v A/C or POE power.



EMnet VSAT Package - 1.2M, 3W

1.2M satellite antenna and mount
 Satellite LNB, 3W BUC
 Up to 200' of RG-11 coaxial cable with PVC jacket (non-plenum)
 Satellite modem
 Grounding and surge protection as required

Tier 3: Premium Package

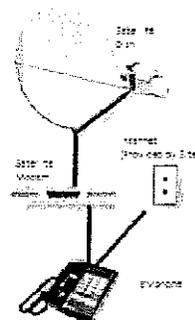


Advantage

- Direct replacement for existing NAWAS terminal
- Simple touch screen interface
- No computer is needed
- Provides all of the new voice capabilities
- Provides fully redundant transport paths (internet & satellite)

Disadvantage

- Does not provide data capabilities (messaging, notifications, EAS, etc.)



Tier 4: Elite Package



Equipment Elite Package:

EMnet VSAT Package – 1.2M,3W with Touch Screen

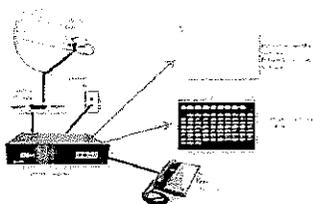
- 1.2M satellite antenna and mount
- Satellite LNB, 3W BUC
- Up to 200' of RG-11 coaxial cable with PVC jacket (non-plenum)
- Satellite modem
- Grounding and surge protection as required
- EMnet rack mount computer
- Touch screen monitor
- USB Keyboard & Mouse
- Pre-loaded EMnet messaging software

EMnet EAS Originate Package – Primary

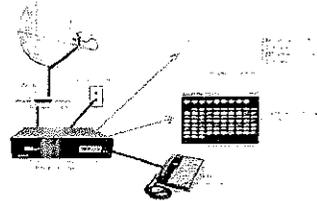
- EMnet EAS originate software
- USB studio microphone

EMnet Voice Manager Package – USB Terminal

- EMnet Voice Manager software
- USB PTT Terminal with built in speaker, volume control, LED alert light, analog recorder output, and PTT handset. Unit is powered by USB.



Tier 4: Elite Package



Advantage:

- Replaces existing NAWAS terminal
- Provides all of the new voice capabilities
- Includes messaging capabilities
- Includes notification tools for automatic distribution of emergency alerts, weather data, situation reports, etc.
- Provides EAS origination tools for send alerts via EAS, IPAWS, CMAS, and HAZCOLLECT.
- Provides fully redundant transport paths (internet & satellite)

Disadvantage - cost and space