

Tennessee Statewide Emergency Alert System (EAS) Plan

R E V I S E D - January 2013

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I. INTENT AND PURPOSE OF THIS PLAN

This plan is the FCC-mandated document outlining the organization and implementation of the State of Tennessee Emergency Alert System (EAS). It is the guideline for Tennessee broadcasters, video TV providers, and other stakeholders to determine:

- their mandated and optional monitoring assignments including new Common Alerting Protocol (CAP) mandates effective June 30, 2012
- codes to be used in the EAS Header sequence in this state
- schedule of the Required Monthly Tests (RMT's) which must be relayed by all broadcasters and video operators within 15 minutes of reception
- any other elements of the EAS which are unique to this state

This Plan is an adjunct to the FCC EAS Rules and is not meant to be a summary, in whole or in part, of those Rules. FCC Rules, Part 11, contain the general rules regarding the Emergency Alert System.

- Acceptance of, or participation in this plan, shall not be deemed as a relinquishment of program or device control and shall not prohibit a broadcast licensee, video provider or other stakeholders from exercising independent discretion and responsibility in any given situation, nor shall the capability of automatic control of emergency devices be deemed in any way as a requirement of any state, county, or municipal agency to relinquish control of any emergency device.

This committee was formed to facilitate advocacy and partnership for over-the-air radio and television communications, other voice, data, audio and video providers and projects between government, and the public and private sectors involving information and communications in times of critical need. This revised state plan was developed in a spirit of cooperation and coordination in order to give the citizens of Tennessee the best public notification EAS possible. Our intent is to review and revise this document on a regular and as needed basis.

II. NATIONAL, STATE, AND LOCAL EAS: PARTICIPATION AND PRIORITIES

A. National EAS Participation

All broadcasters and video operators are required to participate in the National-level EAS. "PN" (Participating National) stations and all cable operators would carry the Presidential message; "NN" (Non-Participating National) stations would make an announcement and sign off.

In addition, all broadcasters and video operators must transmit a Required Weekly EAS Test (RWT), and once a month, must re-transmit the Required Monthly Test (RMT) within 15 minutes

of receiving it on their EAS Decoder. These actions are required of all broadcasters and video operators, regardless of their "PN" or "NN" EAS status.

B. State/Local EAS Participation

Participation in the State and/or Local Area EAS is voluntary for all broadcasters and video operators. However, any stations/video operators electing to participate in the State and/or Local Area EAS must then follow the procedures found in this Plan. Note: Even though they elect not to carry National EAS Alerts, stations designated "NN" (Non-Participating National) may participate in the State and/or Local Area EAS without any prior FCC approval.

C. Conditions of EAS Participation

Acceptance of or participation in this Plan shall not be deemed as a relinquishment of program control and shall not be deemed to prohibit a broadcast licensee from exercising his independent discretion and responsibility in any given situation. Broadcast stations and video systems originating EAS emergency communications shall be deemed to have conferred rebroadcast authority. The concept of management of each broadcast station and cable system to exercise discretion regarding the broadcast of emergency information and instructions to the general public is provided by the FCC Rules and Regulations.

D. EAS Priorities

Stations/video operators are reminded that the EAS Priorities as set forth in the FCC Rules are as follows:

1. National EAS Messages
2. Local Area EAS Messages
3. State EAS Messages
4. Messages from the National Information Center (NIC)

[These are follow-up messages after a National EAS Activation.]

E. Integrated Public Alert and Warning System (IPAWS) Governance for Tennessee

The Tennessee Emergency Management Agency (TEMA) is both a Collaborative Operating Group (COG) and State Reviewing and Approval Authority for all IPAWS users within the state.

Under the cognizance of the Office of the Statewide Interoperability Coordinator (SWIC) an IPAWS Governance Advisory Group (IGAG) is established to provide recommended policy to the Director of TEMA regarding IPAWS matters; to develop IPAWS usage procedures and protocols in accordance with FEMA directives; and to monitor IPAWS usage and effectiveness throughout the state. The IGAG will meet as determined by the Chairman, but at least once annually. The IGAG will consist of representatives from TEMA (Assistant Director for

TN Emergency Alert System (EAS)

Response, SWIC and Deputy SWIC), National Weather Service, Tennessee Bureau of Investigation and a county Emergency Management Director.

TEMA has established the following policies to govern the use of IPAWS and the issuance of alerts and warnings within the state: (TCA Title 58, Chapter 2)

- a. IPAWS will allow the President of the United States to speak to the American people under all emergency circumstances, including situations of war, terrorist attack, natural disaster, or other hazards.
- b. IPAWS will allow the Governor of the State of Tennessee to speak to the Citizens of the State under all emergency circumstances as defined in the Tennessee Emergency Management Plan.
- c. IPAWS will reach the citizens of Tennessee before, during, and after a disaster through as many means as possible.
- d. IPAWS will create an interoperability framework by establishing or adopting standards such as the Common Alerting Protocol (CAP).
- e. IPAWS will partner with NOAA to enable seamless integration of message transmission through national networks
- f. The National Weather Service (NOAA) has responsibility for issuing “Weather Watches, Statements and Warnings” through the IPAWS network.
- g. The Tennessee Bureau of Investigation has sole responsibility to issue a “Child Abduction Amber Alert” transmission for Tennessee through the IPAWS networks.
- h. TEMA maintains the 24 hour Warning Point for the State of Tennessee and is responsible for insuring emergency communications, watches, warnings and alerts are communicated to the County 24 hour Warning Point.
- i. Only one IPAWS alerting entity will be approved per county, normally this will be the county 24 hour warning point in keeping with the State’s disaster plans and procedures. The county 24 hour warning point is identified in the local Basic Emergency Operations Plan.
- j. Alerts issued by a county will be limited to events totally contained within that county’s borders, such as local HAZMAT spills/releases, local evacuations/sheltering, local active shooter situations, etc. Any events which require alerting two or more counties will be issued by TEMA.
- k. The alerting entity must submit its policy for public alerts to TEMA in writing. These policies must specify what agency within the county is authorized to issue an alert, what specific types of alerts will be issued, what specific events will trigger an alert, what geographic areas will be included in alerts, what records of alerts will be maintained and how they will be maintained

TN Emergency Alert System (EAS)

1. The alerting entity must inform TEMA each time an alert is issued regardless of type, event or location.
- m. A county issuing an alert via IPAWS is solely responsible for the content of the alert. The county will insure that the information is accurate, timely, and consistent and utilizes the proper IPAWS formatting, tags and language.
- n. When submitting an application for IPAWS alert issuing authority, a written statement of understanding and intention to adhere to these TEMA policies is required as is a written statement that all users will adhere to required computer security procedures and policies.
- o. Failure to adhere to these policies will result in revocation of IPAWS user status and may affect grant entitlements.

To become an authorized IPAWS user within the State of Tennessee a local jurisdiction, most usually a county, must complete the following steps:

- a. Select IPAWS compatible software. Access to IPAWS is free; however, to send a message using IPAWS, a user jurisdiction must procure its own IPAWS compatible software. A list of private sector software providers is available from TEMA upon request.
- b. Apply for a Memorandum of Agreement (MOA) with FEMA. An MOA governing system security must be executed between the IPAWS user and FEMA. The MOA application is available from TEMA. Once completed, forward the application to TEMA for review and submission to FEMA.
- c. To apply for public alerting permissions an additional application is required. This application will be provided once the MOA is approved by FEMA. The application requires the IPAWS user to define the specific types of alerts they intend to issue and the extent of the geographic warning area. The application will be submitted to TEMA as the Review and Approval Authority for the State of Tennessee before being submitted to FEMA.
- d. IPAWS users must complete FEMA Independent Study Course IS-247 "Integrated Public Alert and Warning System." This course is offered for online completion at the Emergency Management Institute (EMI) website.
- e. Once the application is approved by FEMA, a digital certificate and identification will be generated and a copy of the executed documents will be returned to the user applicant. At this point the user will be able to issue alerts and warnings.

III. THE TENNESSEE STATE EMERGENCY COMMUNICATIONS COMMITTEE (SECC)

- CHAIRMAN: Dr. Stephen Guillot/ Director of Emergency Preparedness at Vanderbilt University Medical Center

COMMITTEE MEMBERS:

- Tennessee Emergency Management Agency
- Tennessee Association of Broadcasters
- AT&T Tennessee
- Verizon Wireless
- Nashville Mayor's Office of Emergency Management
- National Weather Service
- National Center for Emergency Preparedness at Vanderbilt University Medical Center
- Tennessee Higher Education Emergency Management
- Tennessee Public Television
- Broadcast Engineers
- Tennessee Valley Authority
- Clear Channel Media & Entertainment Nashville
- TN Department of Safety and Homeland Security

IV. ORGANIZATION AND CONCEPTS OF TENNESSEE EAS

A. EAS Designations

The FCC's EAS Station Designations reflect the EAS status of every broadcaster and video operator. The "FCC Map book" in Appendix E of this plan lists all stations and their EAS designation.

NP (National Primary) Primary Entry Point (PEP) source of all National EAS Alerts.

These stations along with the NWS and State EOC will receive and relay all National level EAS Alerts. At its initial level, it consists of various FEMA-designated broadcast stations – known as Primary Entry Point (PEP) stations – which are tasked with receiving and transmitting “Presidential Level” messages initiated by FEMA. As the entry point for national level EAS messages, these PEP stations are designated “National Primary” (NP) stations. In Tennessee, there are currently three (3). In east-TN it WJCW-AM (910) and WJXB-FM (97.5). In middle-TN it is WSM-AM (650). The National Weather Service (NOAA WX) radio and National Public Radio may also be a National source, which is not the case for the EAN which is unlimited-time length and beyond the capability of that system.

SR (State Relay) Primary source of all State EAS messages.

These stations will receive State level messages from the State EOC and NWS and will also relay all National level messages.

LP-1 (Local Primary) Primary source of all local area EAS messages.

They will be relaying National, State, and Weather Alerts. These may also be the input point for Local EAS Alerts. In some areas, due to the size, there may be an LP-2 and LP-3 station to help cover the entire area.

PN (Participating National) where most broadcasters and video operators are designated as "PN".

These sources are for delivering all levels of EAS to the general public.

NN (Non-Participating National) Broadcasters who hold an "NN" authorization from the FCC must sign off the air during a National Emergency.

B. Other Definitions

The following are other terms used in the organization of the Tennessee EAS Plan.

STATE EOC: Tennessee Emergency Operation Center in Nashville.

This will be the origination point for messages from the Governor.

TRN: Tennessee Radio Satellite Network (TRN) and Clear Channel Radio in Nashville.

This statewide satellite network will monitor the State and Nashville EOC, NWS, and NP-1 and relay all national and state level alerts.

MOEM: Nashville mayor's Office of Emergency Management has the capabilities to initiate actual alerts and RMTs both to Davidson County and the entire State

NWS: National Weather Service.

Under the EAS, NOAA Weather Radio (NWR) stations are encoding all of their alerts using the same coding as used for EAS alerts. Broadcasters and video operators can feed their EAS Decoders with the audio from any normal NOAA Weather Radio receiver, and their EAS Decoder will react just as it does with broadcaster EAS codes. NWS will also relay all National and State Level Alerts.

NUCLEAR POWER PLANTS AND EMERGENCY PREPAREDNESS PROGRAMS.

The nuclear power plants (Sequoyah and Watts Bar) will not have their own EAS encoder. The Tennessee Emergency Management Agency will monitor the plants via direct ground line telephone. The EAS messages are released by TEMA to or through designated local EAS stations for activation..

C. Delivery Plan

This plan was designed to set up a primary and secondary delivery method for each level of EAS alerts. Stations which elect to monitor only the two assigned sources (FCC-mandated) will have two paths for each alert. Stations that monitor all four assigned sources will have three paths for all alerts. Stations that have TRN downlinks should monitor it as source number 3 (see station database in Appendix D). Stations without TRN downlink will monitor a station in their area with a downlink as their source 3. Consult the section of this plan entitled, "Table of Monitoring Assignments" (Appendix D), to determine the specific two mandated and two optional sources that each broadcaster and cable operator should monitor.

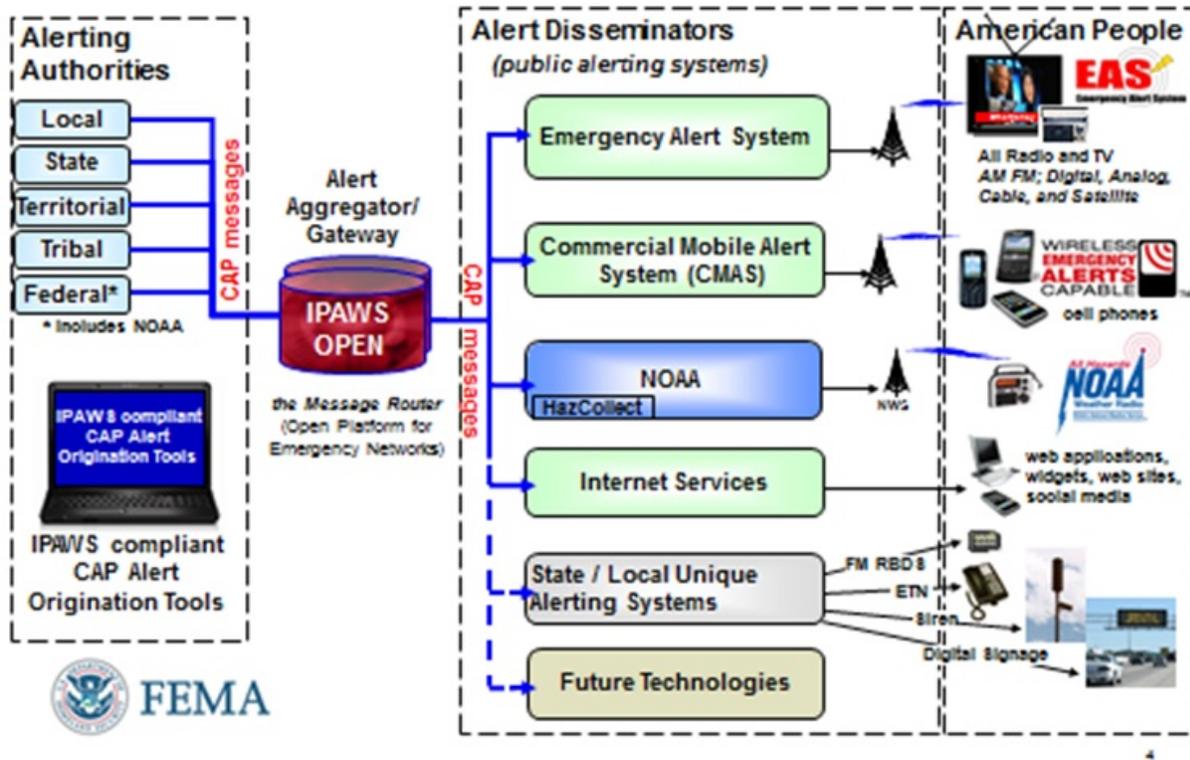
D. Local Area Planning

The Tennessee SECC has written this plan to set up the delivery system for National and State level alerts and messages. It is not within the scope of this plan to set up the local area webs. Some local areas and large cities have already developed sophisticated Local EAS plans. These plans involve local EMA offices, County Sheriff or local police departments, and 911 Centers. Local stations are encouraged to foster a relationship with their local emergency agencies and the Area EAS chair-person. Having a well-designed local web will be an important spoke in the EAS wheel since most EAS alerts are generated at the local level.

Local emergency agencies are encouraged to leverage IPAWS technological advances to provide and improve effectiveness and timeliness of public warnings where and when possible.

IPAWS Architecture

Standards based alert message protocols, authenticated alert message senders, shared, trusted access & distribution networks, alerts delivered to more public interface devices



V.EAS HEADER CODE INFORMATION

A. EAS Header Code Analysis

FCC has mandated that an EAS Header Code contain the following elements sent in the following sequence:

1. [Preamble] ZCZC-ORG-EEE-PSSCCC-TTTT-JJHHMM-LLLLLLLLL
2. Attention Signal
3. Aural, Visual, or Text Message
4. [Preamble] NNNN

[Preamble]= (Clears the system) Sent automatically by your Encoder.

ZCZC= (Start of ASCII Code) Sent automatically by your Encoder.

ORG= (Originator Code) Preset once by user, then sent automatically by your Encoder. See section "B" for codes.

EEE= (Event Code) Determined by user, each time an alert is sent. See section "C" for codes.

PSSCCC= (County-Location Code) Determined by user, each time an alert is sent. See section "D" for codes.

TTTT= (Duration of Alert) Determined by user, each time an alert is sent.

JJJHHMM= (Date/Time-of-Day) Sent automatically by your Encoder.

LLLLLLLL= (8-Character ID, Identifying the Broadcaster, Cable TV, Weather Service Office, Nuclear/Industrial Plant, or Civil Authority operating that Encoder) Preset once by user, then sent automatically by your Encoder. See section "E" for codes.

Attention Signal- Must be sent if aural, visual or text message is sent.

[Preamble]= (Re-clears the system) sent automatically by your Encoder when you initiate the End-of Message sequence.

NNNN= (End-of Message Code) Must be initiated manually at the end of every EAS Alert originated by all sources. A failure of the system will occur if this code is not sent to reset the Decoders of all station/operators that carried that alert.

(Note: The EAS protocol, including any codes, must not be amended, extended, or abridged without FCC authorization.)

B. TENNESSEE Originator Codes (ORG)

Following are the only Originator Codes to be used by sources in the state of Tennessee.

WXR - To be used by National Weather Services Offices

CIV - To be used by Emergency Government, Sheriffs, and all other Civil Authorities

EAS - To be used by all Broadcasters and Video Operators

C. TENNESSEE Event Codes (EEE)

Whether used under the authority of the State EAS Plan, or any of the County/Local Area EAS Plans, the following are the only Event Codes to be used in the State of Tennessee by anyone for any purpose. No codes can be added without FCC approval. County/Local Area EAS Plans which desire to use a code not on this list should submit that code request to the SECC for FCC approval and subsequent addition to this list. This list will be maintained as a "Master List" for all Event Codes used in the State of Tennessee. Use of any Event Codes that are pending approval by the FCC is optional and may not be supported for use under this Plan prior to FCC approval.

MANDATED FCC EVENT CODES

Emergency Action Notification	EAN
Emergency Action Termination	EAT
National Information Center	NIC
National Periodic Test	NPT
Required Monthly Test	RMT
Required Weekly Test	RWT
Tornado Watch	TOA
Tornado Warning	TOR
Severe Thunderstorm Watch	SVA
Severe Thunderstorm Warning	SVR
Severe Weather Statement	SVS
Special Weather Statement	SPS
Flash Flood Watch	FFA
Flash Flood Warning	FFW
Flash Flood Statement	FFS
Flood Watch	FLA
Flood Warning	FLW
Flood Statement	FLS
Winter Storm Watch	WSA
Winter Storm Warning	WSW
Blizzard Warning	BZW
High Wind Watch	HWA
High Wind Warning	HWW

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Evacuation Immediate	EVI
Civil Emergency Message	CEM
Practice/Demo Warning	DMO
Administrative Message	ADR
Hurricane Statement	HLS
Hurricane Watch	HUA
Hurricane Warning	HUW

Additional FCC Event Codes: (pending approval)

Aircraft Emergency	AIR
Natural Gas Outage	NGO
Avalanche Warning	AVW
Nuclear Power Plant Emergency	NPL
Avalanche Watch	AVA
Nuclear Power Plant Test	NPT
Chemical Plant Release	CHM
Oil Spill	OSP
Chemical Plant Test	CHT
Prison Escape	PES
Civil Disorder	CDS
Radiological Emergency	RAD
Closed Circuit Test	CCT
Railroad Emergency	RRE
Criminal/Terrorist Alert	CTA
Railroad Toxic Leak	RRL
Earthquake Warning	EQW
Road Closing	ROC
Earthquake Watch	EQA
School Closing	SOC
Electric Power Outage	EPO
EAS Equipment Self-Test	EST
Fire Warning	FRW
Shelter Facilities	SHL
Fire Watch	FRA

Ship Emergency	SHP
Fog Warning	FOG
Telephone Emergency	TEL
Food Contamination	FOC
Telephone Outage	TLO
Heat Stroke Warning	HSW
911 Telephone Outage	TEO
Ice Jam	ICJ
Toxic Leak	TXL
Icy Roads	ICY
Traffic Emergency	TRF
Industrial Plant Emergency	IPL
Volcano Warning	VOW
Landslide Warning	LNW
Volcano Watch	VOA
Landslide Watch	LNA
Volcanic Ash Warning	VLW
Local Area Warning	LAE
Volcanic Ash Watch	VLW
Marine Warning	MAW
Water Contamination	WAC
Military Emergency	MIL
Water Outage	WAO
Natural Gas Leak	NGL

D. TENNESSEE County-Location Codes (PSSCCC)

The first digit (P) can be used to indicate one-ninth of the county code it precedes in the following pattern: All Tennessee FIPS Codes are preceded by the STATE CODE: 047 STATEWIDE = 047000

0=Entire County		
4=State	4=County	7=
7=State	5=County	8=
C=County	6=County	9=

VI. EAS TESTS

The following requirements regarding both RWTs (required weekly test) and RMTs (required monthly test) apply to all video providers and all broadcasters, "PN", as well as "NN" stations. Even stations that have elected not to participate in local EAS alerts must still rebroadcast their local RMT every month. There are two exceptions to these rules. First, Class "D" FM and LPTV stations need not have an EAS Encoder. They must have an EAS Decoder. Thus, these stations are exempt from running the weekly digital code RWT test. However, they must retransmit monthly RMT tests as outlined below, minus the EAS Header Codes and Attention Signal. In addition, LPTV stations must present all EAS information visually, just as all other TV stations must do. The second exception is for FM Translator and TV Translator stations, which are not required to have any EAS equipment.

A. Required Weekly Test (RWT)

Transmission: All broadcasters and video operators must transmit an RWT once each week at random days and times except for the week of the RMT test. There are no time-of-day restrictions. This is a 10.5-second test, consisting only of the EAS Header and End-of- Message Codes. An appropriate entry regarding transmission must be made in the Station Log.
Reception: All broadcasters and video operators receiving a RWT from one of their monitored sources must log receipt of this test. No further action is required.

B. Required Monthly Test (RMT)

Transmission: Statewide RMTs will be initiated by the MOEM in all odd numbered months (daytime tests) and in all even numbered months (nighttime tests). During the designated week for this test, all other broadcasters and video operators are to wait for this test and then react as described in (4.) below. These tests will use the Event Code "RMT".

Scheduling of RMTs / Week and Time-of-Day:

The Tennessee Association of Broadcasters will administer the scheduled RMTs and the RMTs shall always occur during the first, full, Sunday-thru-Saturday week of the month. Time frame and origination of the RMT tests shall adhere to the following format:

MONTH TIME FRAME ORIGINATOR

JANUARY DAY / 8:30 AM to Local Sunset EOC

FEBRUARY NITE / Local Sunset to 8:30 AM EOC

MARCH DAY / 8:30 AM to Local Sunset EOC

APRIL NITE / Local Sunset to 8:30 AM EOC

MAY DAY / 8:30 AM to Local Sunset EOC

JUNE NITE / Local Sunset to 8:30 AM EOC

JULY DAY / 8:30 AM to Local Sunset EOC

AUGUST NITE / Local Sunset to 8:30 AM EOC

SEPTEMBER DAY / 8:30 AM to Local Sunset EOC

OCTOBER NITE / Local Sunset to 8:30 AM EOC

NOVEMBER DAY / 8:30 AM to Local Sunset EOC

DECEMBER NITE / Local Sunset to 8:30 AM EOC

The Originator will send the RMT at its discretion. The SR Stations must then rebroadcast this test within 15 minutes of receiving it.

3. Scheduling of RMTs / Recommended Time Constraints:

The Originating Civil Authority and TAB Administrator is requested to use discretion in scheduling times for RMTs. Since all broadcasters and video providers are required to rebroadcast this test within 15 minutes of receiving it, care should be taken not to put undue hardship on broadcasters when they are carrying their highest-revenue programming. On a daily basis, these periods would include all major newscasts: early morning, noon-time, evening, and late-evening. In addition, the times of major events should be avoided, such as pre-planned Presidential speeches, hours of a major national or local news story carried outside of normal newscast hours, local and national election coverage, and certain major sporting events.

Broadcasters and video operators which have a complaint regarding the scheduling of RMTs in their Area should make their concerns known to their Area Chair (see "The Tennessee SECC" section in this Plan for names). If a satisfactory resolution is not reached at that level, the State EAS Chair should be contacted.

4. Reception / Re-transmission of RMTs

All broadcasters and video operators receiving an RMT test must re-transmit this test within 15 minutes of receiving the test. [For Daytime-only stations receiving a night-time RMT, this test must be re-transmitted within 15 minutes of the Daytime-only station's sign-on.] Transmission of this RMT test takes the place of the Required Weekly Test (RWT). Times should be logged for both the receipt and re-transmission of the RMT test. Broadcast and cable management should impress upon their staff that re-transmission of this test is not an option. It is an FCC violation to fail to re-transmit this test within 15 minutes of receiving it. The best policy may be to set your EAS unit for a 15-minute automatic countdown upon receiving an RMT. If the operator on duty does not send the test manually within that window, the EAS unit will do it when time runs out.

C. Time-Duration and County-Location Codes to be used

TIME-DURATION used in the EAS Header Code for all EAS Tests shall be 30 MINUTES.

COUNTY-LOCATION codes used in the EAS Header Code for EAS Tests shall conform to these guidelines:

SR Stations:

All tests, RWT and RMT, shall use the Location Code for the entire state.

LP Stations:

All tests, RWT and RMT, shall include the Location Code for all counties in that LP stations Local Area of responsibility. To determine the counties in their Local Area of responsibility, each LP station should consult the "Boundary Map of Tennessee EAS Local Areas", and/or the cover sheet for the "FCC Map book", both found in the Appendix E of this Plan.

PN and NN Stations and Video Operators:

RMT tests shall be re-transmitted unchanged, except for the "L-Code". Thus, RMTs will include all counties present in the original message. For the RWT originated each week by each PN and NN station, and each cable operator, the county-location code used shall be the county for the broadcaster's City of License, or video operator's Community or Area of License. Other counties in the stations/systems service area may be added at management discretion.

VII. EAS TEST SCRIPTS

RMT Format and Script: This test will take about 60 seconds. Please record the alert text to insure that the entire test will take no longer than 60 seconds.

- Send the EAS header code
- Use the RMT event code.
- Use three-hour duration
- One-second pause
- Send the two-tone attention signal for 8 seconds
- Transmit the following suggested test script:

"This is a coordinated monthly test of the Emergency Alert System. This test originates from the ___ (Name of Agency) _____. With the cooperation with local, state and federal Emergency Management Agencies, broadcasters, multichannel video providers and other public communications operators, this system informs you of events that pose an immediate threat to your life health or property. If this had been an actual emergency requiring immediate action or evacuation, official messages would follow the alert tone. This test will conclude in five seconds."

- One-second pause
- Send EAS end-of-message code

VIII. GUIDANCE FOR ORIGINATORS OF EAS ALERTS

A. Guidance for National Weather Service Personnel

NWS personnel issue EAS Weather Alerts via the NOAA Weather Wire Service (NWWS) and on NOAA Weather Radio (NWR) using the NOAA-SAME/EAS Codes. NWS procedures should be followed relating to the transmission of the SAME/EAS Codes, the 1050 Hz Alert Tone, and the reading of the weather bulletin script. NOAA Weather Radio has been an "all hazards" network in Tennessee since the establishment of a Memorandum of Understanding (MOU) with Tennessee EMA. Alerts for other than weather emergencies originate with State or Local EMAs and are broadcast by NWS personnel over NWR at the request of State EMA.

B. Guidance for Regional and Local Emergency Services Personnel

The Emergency Alert System (EAS) is designed so that agencies with an emergency message need transmit that message only once, and it will be received by all area broadcasters and video providers simultaneously. The most accessible method to do this is via the State/Local Emergency Management Agency. In order to generate this EAS message for transmission to broadcasters and video providers, a device called an EAS Encoder is needed. This encoder transmits by radio to local broadcasters and cable operators automatically triggering their EAS Decoders to deliver the message. It is preferred that each County EOC have an encoder to aid in positive access to EAS. Counties without an EAS Encoder can still utilize the EAS System by routing their emergency alert requests through a local designated broadcaster via a remote pickup unit or via other arrangement.

A WORD OF CAUTION: Certain Emergency Services agencies may have acquired a valuable new tool in gaining direct access to all area broadcasters and video operators via the EAS. However, if not used prudently, there is danger of losing this tool. Broadcasters and cable operators are expecting the EAS to be used only for life-threatening emergencies. Keep in mind two things. First, some broadcasters and video operators have their EAS Decoders set on Automatic Mode. There is no one there to screen a message and decide if it should be aired. They are depending on you to send only an EAS Alert for a very serious emergency. The first time you trigger the system for a frivolous event, you will lose the confidence of your area broadcasters and video operators. The second thing to remember is that broadcasters and video operators participate in the local-level EAS on a voluntary basis. No one can force them to carry your EAS Alerts. Maintaining a good relationship with local broadcasters and video operators is key to their support to civil authorities during a crisis.

C. Guidance for Nuclear Plant Emergency Preparedness Programs

(The following guidance is in accordance with State of Tennessee mandates.)

Nuclear Power Plants:

Sequoyah and Watts Bar nuclear power plants emergency notification originates via telephone at the utilities site and is relayed through the Tennessee Emergency Management Agency to the County Emergency Management Agency. The state coordinates the EAS messages and time they are to be released and gives the official message to the designated local EAS stations for activation.

The state, in coordination with local authorities in the county, develops a Protective Action Decision (PAD) to protect the public. The state notifies the public of the PAD through the emergency warning and notification systems, which will include emergency messages passed via siren and tone alert radio warning systems and through the EAS, i.e., the EAS radio/television/video operators. The State EMA may initiate EAS messages to cover both the impacted areas and surrounding counties.

IX. PROGRAMMING EAS DECODERS

This section is provided to aid users of the EAS, primarily broadcasters and cable operators, in programming the Event Codes, County-Location Codes, and Modes of Operation into their EAS Decoder. Regardless of the EAS hardware in use, each EAS Alert will require programming to include those three elements.

A. Modes of Operation

All EAS Decoders must be capable of operating in at least two modes, Manual and Automatic.

MANUAL OPERATION: In the manual mode the EAS unit will only notify the operator of any incoming EAS Alert that has been programmed into it. The operator must take appropriate action to cause the Alert to be re-transmitted over the station/cable system.

AUTOMATIC OPERATION: This type of operation is normally used with a program interrupt connection on the EAS unit. On-air audio and/or video is "looped through" the EAS unit so that the unit can interrupt the audio/video when necessary. In Automatic operation, when the EAS decoder is triggered by an EAS Alert, the unit immediately interrupts programming to transmit the EAS Alert.

SEMI-AUTOMATIC OPERATION: Some manufacturers offer a semi-automatic mode of operation in which the unit will begin a preset countdown to an automatic interrupt after receiving an EAS Alert. The operator should run the EAS Alert on the air manually at the earliest

convenience. If the Alert is not run when the preset countdown time expires, the EAS unit will take over and transmit the EAS Alert automatically.

NOTE: BROADCASTERS USING "UNATTENDED OPERATION" MUST RUN THEIR EAS DECODER IN AUTOMATIC MODE OR SEMI-AUTOMATIC MODE. It is a requirement of the acceptance of this plan that unattended operations monitor the National Weather Service codes as a source, at the least, for WATCHES and WARNINGS for THUNDERSTORMS; FLASH FLOODING, SEVERE THUNDERSTORMS and THE CHILD ABDUCTION AMBER ALERT which are issued via the NWS EAS monitoring service to their public.

B. Event Codes Required by the Federal Communications Commission

The FCC requires that broadcasters and video providers program their EAS Decoders for following events:

"EAN" (National EAS Activation) - Must be re-transmitted immediately.

"EAT" (National EAS Termination) - Must be re-transmitted immediately.

"RMT" (Required Monthly Test) - containing your County of License code and must be re-transmitted within 15 minutes of receipt.

"RWT" (Required Weekly Test) - containing your County of License code. This received test need only be logged. No re-broadcast is necessary.

C. Event Codes Required by the Tennessee State Emergency Communications Committee

The following list of event codes is a minimum required list of events for activation of EAS units in Tennessee.

"TOR" (Tornado Warnings) - Must be re-transmitted immediately.

"FFW" (Flash Flood Warnings) - Must be re-transmitted immediately.

"CEM" (Civil Emergency Message) - Must be re-transmitted immediately.

"STA" (State Priority Message) - Must be re-transmitted immediately.

D. County Location Codes to Use

Required event codes must be programmed into the EAS unit for the station's local county. Additionally, when programming EAS equipment other counties in the "service area" of the broadcast station should be considered.

X. APPROVAL AND CONCURRENCE:

DIRECTOR, Tennessee Emergency Management Agency

_____ DATE _____

CHAIRMAN, State Emergency Communications Committee

_____ DATE _____

BROADCAST COMMITTEE MEMBER, State Emergency Communications Committee

_____ DATE _____

CHIEF, COMPLIANCE AND INFORMATION BUREAU, Federal Communications Commission

_____ DATE _____

WARNING COORDINATION METEOROLOGIST, National Weather Service

_____ DATE _____

PRESIDENT or CURRENT CHAIRMAN, Tennessee Association of Broadcasters

_____ DATE _____

APPENDIX A

NOAA WEATHER RADIO IN THE TENNESSEE EAS PLAN

The following table lists each county in Tennessee along with the corresponding FIPS number (Federal Information Processing System), name of the NOAA Weather Radio (NWR) station serving that county, the frequency of the NWR station, and the National Weather Service (NWS) Office responsible for weather warnings for the county.

Notes: Some counties may be served by more than one NWR station. In those locations, a primary station have been designated, however, reception of NWR broadcasts depends on a number of factors especially on the location of the broadcast facility and their reception equipment. Broadcasters are encouraged to check signal levels in those places where more than one NWR broadcast can be received and use the strongest signal.

STATE EAS ACTIVATION

Governor, State of Tennessee

Director, Tennessee Emergency Management Agency

State Emergency Information Director, Tennessee Emergency Management Agency

WEATHER EAS ALERTS

All Weather EAS Alerts are originated by the National Weather Service via NOAA Weather Radio. These Alerts are also disseminated via the NOAA Weather Wire Service (NWWS) and the AP and UPI teletype networks. An EAS Weather Alert received via one of these teletypes shall constitute valid authorization for a broadcaster or cable operator to originate an EAS Weather Alert "WARNING" if that is the level of Alert that has been declared by the National Weather Service. In the absence of a "WARNING" issued by the National Weather Service, a broadcaster or cable operator may originate an EAS Weather Alert "WARNING" at the direction of his Local or County Emergency Management Agency. If another agency is to be used in declaring weather alerts, it shall be listed in the appropriate Local Area Plan.

Tennessee broadcasters and video operators shall not originate a "WARNING" or "ACTIVATION" unless they are doing so at the direction of an authorized agency which does not have its own EAS Encoder to originate the EAS Alert itself. This restriction applies to all Event Codes containing the title "WARNING" or "ACTIVATION", including the "TORNADO WARNING" Code "TOR". If a broadcaster or cable operator feels he has sighted a tornado, this information should be presented as a "SEVERE WEATHER STATEMENT" with Code "SVS". When the official word from the National Weather Service or other authorized agency is received, their "TORNADO WARNING" Alert can be relayed by the broadcaster or video operator.

CIVIL-EMERGENCY EAS ALERTS

All local emergencies, other than weather alerts, shall be declared only by the Local or County Emergency Management Agency, or the Tennessee Emergency Management Agency on behalf of local authorities. If another agency is to be used in declaring local emergencies, it shall be listed in the Local/County Emergency Operations Plan (EOP) (Appendix 5 to Annex B), Standard Operating Procedures (SOP) and the appropriate Local Area EAS Plan.

APPENDIX C - BOUNDARY MAP

APPENDIX D - TABLE OF MONITORING ASSIGNMENTS

STATE RELAY AND LP STATIONS

All participating Tennessee broadcasters and video providers must monitor the two required sources shown as monitoring inputs #1 and #2 for their county of license (or studio). The National Weather Service Inputs are strongly suggested and add redundancy to receiving alerts at all levels of EAS, especially for unattended operations.

The State Relay (SR) and Local Primary (LP-1 and LP-2) stations have agreed to monitor all optional sources shown for their stations, in order to provide the maximum alternate-path options to all broadcasters and video providers.

APPENDIX D: TABLE OF MONITORING ASSIGNMENTS

Participating EAS stations should first monitor the nearest TRN satellite, the area LP-1 or 2 receiver capable stations for Tennessee's RMT. They should also monitor local PEP stations or a National Public Radio affiliate for national tests or notify the TAB Office for other assignments:

Nashville Area	WSIX-FM (97.9)/WSM-AM (650) (PEP)/WPLN-FM (90.3)
Western Central Area	WPRT- FM (102.5) Pegram / WVRV-FM (105.1) Waverly
Southwestern Area	WTNV-FM (104.1) / WYNU-FM (92.3) Jackson
Memphis Area	WMC-FM (99.7) / WEGR-FM (102.7) / WYPL-FM (89.3) / WREC-AM (600) (PEP)
Eastern Central Area	WGSQ-FM (94.70) Cookeville / WOWF-FM (102.5) Crossville

TN Emergency Alert System (EAS)

Knoxville Area	WJXB-FM (97.5) (PEP) / WIVK-FM (107.7)
Northeastern Area	WETS-FM (89.5) / WQUT-FM (101.5) / WJCW-AM (910) (PEP) Johnson City
Chattanooga Area	WSKZ-FM (106.5) / WUSY-FM (100.7) / WDOD-FM (96.5)

LP 1/ LP 2 and NATIONAL WEATHER SERVICE MONITORING ASSIGNMENTS by COUNTY

The remaining 5 digits (SSCCC) indicate the county, as listed below:

COUNTY	CODE	OPERATIONAL AREA	LP-1	LP-2	ALT	NWS
Anderson	047001	Knoxville	97.5	107.7		162.475 Knox
Bedford	047003	Nashville	97.9/650	90.3		162.475 Beec
Benton	047005	West Central	102.5	105.1		162.450 Vale
Bledsoe	047007	Chattanooga	106.5/100.7	96.5		162.450 Spen
Blount	047009	Knoxville	97.5	107.7		162.475 Knox
Bradley	047011	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Campbell	047013	Knoxville	97.5	107.7		162.425 Lafo
Cannon	047015	Nashville	97.9/650	90.3		162.475 Beec
Carroll	047017	South West	104.1	92.3		162.450 Vale
Carter	047019	North East	89.5/910	101.5		162.550 Tri-C
Cheatham	047021	Nashville	97.9/650	90.3		162.550 Nash
Chester	047023	South West	104.1	92.3		162.550 Jack
Claiborne	047025	Knoxville	97.5	107.7		162.425 Lafo
Clay	047027	East Central	94.7	102.5		162.525 Lafa
Cocke	047029	North East	89.5/910	101.5		162.475 Knox
Coffee	047031	Nashville	97.9/650	90.3		162.475 Beec
Crockett	047033	South West	104.1	92.3		162.500 Dyer
Cumberland	047035	East Central	94.7	102.5		162.400 Cook
Davidson	047037	Nashville	97.9/650	90.3		162.550 Nash
Decatur	047039	South West	104.1	92.3		162.525 Lobe
DeKalb	047041	East Central	94.7	102.5		162.500 Hick
Dickson	047043	West Central	102.5	105.1		162.400 McE
Dyer	047045	South West	104.1	92.3		162.500 Dyer
Fayette	047047	Memphis	99.7/600	102.7/89.3		162.475 Mem

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Fentress	047049	East Central	94.7	102.5		162.400 Cook
Franklin	047051	Nashville	97.9/650	90.3		162.525 Winc
Gibson	047053	South West	104.1	92.3		162.500 Dyer
Giles	047055	Nashville	97.9/650	90.3		162.425 Lawr
Grainger	047057	Knoxville	97.5	107.7		162.475 Knox
Greene	047059	Knoxville	97.5	107.7		162.475 Knox
Grundy	047061	East Central	94.7	102.5		162.450 Spen
Hamblen	047063	Knoxville	97.5	107.7		162.475 Knox
Hamilton	047065	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Hancock	047067	Knoxville	97.5	107.7		162.475 Knox
Hardeman	047069	South West	104.1	92.3		162.550 Jack
Hardin	047071	South West	104.1	92.3		162.525 Lobe
Hawkins	047073	North East	89.5/910	101.5		162.550 Tri-C
Haywood	047075	South West	104.1	92.3		162.550 Jack
Henderson	047077	South West	104.1	92.3		162.550 Jack
Henry	047079	South West	104.1	92.3		162.450 Vale
Hickman	047081	West Central	102.5	105.1		162.450 Cent
Houston	047083	West Central	102.5	105.1		162.400 McE
Humphreys	047085	West Central	102.5	105.1		162.400 McE
Jackson	047087	East Central	94.7	102.5		162.525 Lafa
Jefferson	047089	Knoxville	97.5	107.7		162.475 Knox
Johnson	047091	North East	89.5/910	101.5		162.550 Tri-C
Knox	047093	Knoxville	97.5	107.7		162.475 Knox
Lake	047095	South West	104.1	92.3		162.500 Dyer
Lauderdale	047097	South West	104.1	92.3		162.500 Dyer
Lawrence	047099	West Central	102.5	105.1		162.425 Lawr
Lewis	047101	West Central	102.5	105.1		162.450 Cent
Lincoln	047103	Nashville	97.9/650	90.3		162.525 Winc
Loudon	047105	Knoxville	97.5	107.7		162.475 Knox
McMinn	047107	Chattanooga	106.5/100.7	96.5		162.550 Chatt
McNairy	047109	South West	104.1	92.3		162.550 Jack
Macon	047111	East Central	94.7	102.5		162.525 Lafa
Madison	047113	South West	104.1	92.3		162.550 Jack
Marion	047115	Nashville	97.9/650	90.3		162.550 Chatt
Marshall	047117	Nashville	97.9/650	90.3		162.425 Lawr

TN Emergency Alert System (EAS)

Maury	047119	Nashville	97.9/650	90.3		162.425 Lawr
Meigs	047121	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Monroe	047123	Knoxville	97.5	107.7		162.550 Chatt
Montgomery	047125	West Central/ Nashville	102.5/97.7 650	105.1 90.3		162.500 Clark
Moore	047127	Knoxville	97.5	107.7		162.525 Winc
Morgan	047129	Knoxville	97.5	107.7		162.475 Knox
Obion	047131	South West	104.1	92.3		162.500 Dyer
Overton	047133	East Central	94.7	102.5		162.400 Cook
Perry	047135	West Central/ South West	102.5/97.7 650	105.1 90.3		162.525 Lobe
Pickett	047137	East Central	94.7	102.5		162.400 Cook
Polk	047139	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Putnam	047141	East Central	94.7	102.5		162.500 Hick
Rhea	047143	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Roane	047145	Knoxville	97.5	107.7		162.475 Knox
Robertson	047147	Nashville	97.9/650	90.3		162.550 Nash
Rutherford	047149	Nashville	97.9/650	90.3		162.550 Nash
Scott	047151	Knoxville	97.5	107.7		162.475 Knox
Sequatchie	047153	Chattanooga	106.5/100.7	96.5		162.550 Chatt
Sevier	047155	Knoxville	97.5	100.7		162.475 Knox
Shelby	047157	Memphis	99.7/600	102.7/89.3		162.475 Mem
Smith	047159	East Central	94.7	102.5		162.500 Hick
Stewart	047161	West Central/ South West	102.5/97.7 650	105.1 90.3		162.500 Clark
Sullivan	047163	North East	89.5/910	101.5		162.550 Tri-C
Sumner	047165	Nashville	97.9/650	90.3		162.550 Nash
Tipton	047167	Memphis	99.7/600	102.7/89.3		162.475 Mem
Trousdale	047169	Nashville	97.9/650	90.3		162.525 Lafa
Unicoi	047171	North East	89.5/910	101.5		162.550 Tri-C
Union	047173	Knoxville	97.5	107.7		162.475 Knox
Van Buren	047175	Chattanooga	106.5/100.7	96.5		162.450 Spen
Warren	047117	East Central	94.7	102.5		162.450 Spen
Washington	047179	North East	89.5/910	101.5		162.550 Tri-C
Wayne	047181	South West	104.1	92.3		162.500 Coll
Weakley	047183	South West	104.1	92.3		162.450 Vale

TN Emergency Alert System (EAS)

White	047185	East Central	94.7	102.5		162.450 Spen
Williamson	047187	Nashville	97.9/650	90.3		162.550 Nash
Wilson	047189	Nashville	97.9/650	90.3		162.550 Nash

Tennessee/Alabama/Kentucky/Mississippi NOAA Weather Radio Sites with Reception Coverage in Tennessee Counties:

<http://www.nws.noaa.gov/nwr/Maps/PHP/tennessee.php>

- | | |
|---------------------------------------|------------------------------------|
| Vale/Carroll County 162.450 | Beech Grove/Coffee County 162.475 |
| Dyersburg/Dyer County 162.500 | Huntsville, AL 162.400 |
| Jackson/Madison County 162.550 | Lawrenceburg/Maury County 162.425 |
| Memphis/Shelby County 162.475 | Winchester/Franklin County 162.525 |
| Mayfield, KY 162.475 | Spencer/Van Buren County 162.450 |
| Booneville, MS 162.550 | Chattanooga/ Hamilton County |
| 162.550 | |
| Collinwood/Wayne County 162.500 | Nashville/Davidson County 162.550 |
| Florence, AL 162.475 | Lafayette/Macon County 162.525 |
| McEwen/Humphreys County 162.400 | Hickman/Smith County 162.400 |
| Clarksville/Montgomery County 162.500 | Cookeville/Overton County 162.400 |
| Centerville/Hickman County 163.450 | Lafollette/Campbell County 162.425 |
| | Knoxville/Knox County 162.475 |
| | Tri-Cities/Sullivan County 162.550 |

IMPORTANT NOTE: Coverage from each site is different and will vary considerably. Please monitor the NOAA’s best reception for you area with considerations for weather direction, geography and obstructions. For any unattended operation stations are encouraged to monitor directly to their air-chain NOAA codes for the Emergency Activation Notification (EAN), WATCHES/WARNINGS for Child Abduction AMBER Alerts Civil Emergency Message (CEM), Tornadoes (TOA/TOR), Flash Flooding (FFA/FFW) and Severe Thunderstorms (SVA/SVR) and other codes to be determined locally.

APPENDIX E - FCC MAPBOOK FOR TENNESSEE

The FCC Map book for the Tennessee EAS State Plan will be produced by the FCC from the data contained in this Plan. Tennessee broadcasters and Video Operators should request a copy of the finished Tennessee Map book from the FCC.

TN Emergency Alert System (EAS)

APPENDIX F – CONTACT, STATION LIST and LOCATION

FName	LName	Station/Group	City/State	Zip	Phone
Harry	Grathjohn	WBCR	Alcoa TN	37701	865/984-1470
Al	Wrinn	WKVL	Alcoa TN	37701	865/392-9585
Becky	Parker	WSLV	Ardmore TN	38449	931/427-2178
Corky	Albright	WQSV/WQMV	Ashland TN	37015	
	Sliger	WJSQ/WLAR	Athens TN	37303	423/745-1000
Mark	Lefler	WYXI	Athens TN	37371	423/745-1390
Mike	Anderson	WYGO FM	Athens TN	37371	423/337-0995
Craig	Harding	WBIN AM	Benton TN	37307	423/338-2864
Richard	Teubner	WMOD FM	Bolivar TN	38008	731/658-7328
Tracy	Shaw	WOJG/WBOL	Bolivar TN	38008	731/658-3690
Jennings	Dotson	WBCV	Bristol TN	37620	423/968-5221
Roger	Bouldin	Bristol Broadcasting	Bristol VA	24203	276/669-8112
Jack	Dempsey	WCYB/WEMT TV	Bristol VA	24201	276/645-1502
Carlton	Viers	WTBG FM	Brownsville TN	38012	731/772-3700
Ron	Lane	WFWL/WRJB	Camden TN	38320	731/584-7570
Dennis	Banka	WRKM/WUCZ	Carthage TN	37030	615/735-1350
Steve	Turner	WNKX AM/FM	Centerville TN	37033	931/729-5191
Bernie	Barker	WDEF/WDOD	Chattanooga TN	37408	423/321-6200
Charles	Sanders	WNOO	Chattanooga TN	37406	423/698-8617
Chuck	Wilkins	Cumulus Media	Chattanooga TN	37401	423/756-6141
Jim	Brewer	Brewer Bdcst (WJTT)	Chattanooga TN	37402	423/265-9494
Jared	Stehney	Clear Channel Radio	Chattanooga TN	37421	423/892-3333
Mike	Costa	WTVC TV	Chattanooga TN	37406	423/756-5500
Phil	Cox	WDEF TV	Chattanooga TN	37408	423/785-1200
Tom	Tolar	WRCB TV	Chattanooga TN	37405	423/267-5412
Tracye	McCarthy	WDSI TV	Chattanooga TN	37408	423/265-0061
Ying	Benns	WFLI	Chattanooga TN	37409	423/821-3555
Ying	Benns	WHYB TV	Chattanooga TN	37421	423/899-1939
Libby	Phillips	WUUQ/WUUS	Chattanooga TN	37405	423/643-2212
Bob	Levell	WLLJ FM	Chattanooga TN	37412	423/892-1200
Dave	DeFranzo	WEYE FM	Church Hill TN	37642	423 357-5601
Kenneth	Hill	WMCH	Church Hill TN	37642	423/357-5601
David	Loos, Jr.	WJZM	Clarksville TN	37040	931/645-6414
Katie	Gambill	Five Star Broadcasting	Clarksville TN	37043	931/431-4984
Ron	Meredith	WYSH	Clinton TN	37716	865/457-1380
Robert	McKay	WKRM/WKOM	Columbia TN	38401	931/388-3636
Tom	Williford	WMCP	Columbia TN	38401	931/388-3241
Trent	Ogilvy	WMRB	Columbia TN	38401	931/381-7100
Hugh	McPherson	Cookeville Communications	Cookeville TN	38501	931/526-7144
Larry	Stone	Stoncom	Cookeville TN	38501	931/528-9289

TN Emergency Alert System (EAS)

Rebecca	St. John	WLSB	Copperhill	TN	37317	423/496-3311
Terry	Digel	WPXX TV	Cordova	TN	38016	901/384-9324
Billy	Thomas	WKBQ/WKBL	Covington	TN	38019	901/476-0426
Janetta	Sheilds	WZYX	Cowan	TN	37318	931/967-7471
Jeff	Shaw	Peg Broadcasting	Crossville	TN	38555	931/707-1102
Kirk	Tollett	WWSR/WOFE/WBZH	Crossville	TN	38557	931/484-1057
Kenneth	Forte	WDKN	Dickson	TN	37055	615/446-0752
DeLana	Williams	WSDQ	Dunlap	TN	37327	423/949-5805
Joe	Robinson	Tri State Christian TV	Dyersburg	TN	38024	731/286-4433
Roger	Vestal	WTRO/WASL	Dyersburg	TN	38025	731/285-1339
Cleo	Reed	WBEJ	Elizabethton	TN	37643	423/542-2184
Chuck	Raye	WEMB/WXIS	Erwin	TN	37650	423/743-6123
Andy	Bell	WCPH/WENR	Etowah	TN	37331	423/263-5555
Joe	Young	WYTM/WEKR	Fayetteville	TN	37334	931/433-1531
Eric	Alvarez	Telefutura WLLC TV	Franklin	TN	37067	615/255-4139
Jim	Baumann	Telefutura WLLC TV	Franklin	TN	37067	615/255-4139
Matt	Austin	WAYM FM	Franklin	TN	37067	615/261-9293
Salvador	Guzman	WHEW	Franklin	TN	37064	615/592-0595
Tom	Lawrence	WAKM	Franklin	TN	37067	615/794-1594
Jack	Williams	WHIN	Gallatin	TN	37066	615/451-0450
Scott	Bailey	WMRO	Gallatin	TN	37066	615/451-2131
Chuck	Wilkins	Cumulus Media	Gray	TN	37615	423/477-1000
Ronnie	Metcalf	WGRV/WIKQ/WSMG	Greeneville	TN	37744	423/638-4147
Dustin	McCoy	WCXZ/WLMU	Harrogate	TN	37752	423/869-7002
Lisa	Frank	WTNK	Hartsville	TN	37074	615/374-2111
Rick	Goetz	WKRTP LPTV	Hendersonville	TN	37075	615/826-0792
Rodney	Minyard	WMLR	Hohenwald	TN	38462	
Frank	Warmath	WIRJ	Humboldt	TN	38343	731/784-1740
Jim	Freeland	WVHR/WWDX	Huntingdon	TN	38344	731/986-0242
Chip	Thomas	Thomas Bdcst WFKX	Jackson	TN	38302	731/427-9616
Jerry	Hunt	WDXI/WMXX	Jackson	TN	38301	731/427-9611
Jerry K.	Moore	WBBJ TV	Jackson	TN	38301	731/424-4515
Lacy	Ennis	Grace Broadcasting	Jackson	TN	38305	888/855-9394
Larry	Wood	WNWS FM	Jackson	TN	38301	731/423-8316
Verla	Price	Forever Communications	Jackson	TN	38301	731/427-3316
Jim	Cody	WCLC AM/FM	Jamestown	TN	38556	931/879-8188
Kevin	Baz	WDEB AM/FM	Jamestown	TN	38556	931/879-8164
Rick	Shelton	WWAM	Jasper	TN	37347	423/942-1700
Mike	Word	WJFC	Jefferson City	TN	37760	865/475-3825
Dan	Cates	WJHL TV	Johnson City	TN	37605	423/926-2151
Paul	Gobble	WETB	Johnson City	TN	37602	423/928-7131
David	Widener	WKPT/WTFM/WKTP	Kingsport	TN	37662	423/246-9578
George	DeVault	WKPT TV	Kingsport	TN	37662	423/246-9578

TN Emergency Alert System (EAS)

Grant	Carter	WBBX AM	Kingston	TN	37763	615/376-6954
Brian	Tatum	Horne Radio LLC	Knoxville	TN	37934	865/983-4310
Chris	Baker	WVLT TV	Knoxville	TN	37950	865/450-8888
Chris	Protzman	Journal Broadcast	Knoxville	TN	37950	865/693-1020
John	Hannon	WBXX TV	Knoxville	TN	37932	865/777-9220
David	Wells	WMEN/WRJZ	Knoxville	TN	37917	865/656-6262
David	Williams	WMAK TV	Knoxville	TN	37919	865/329-8531
Ken	Salyer	Cumulus Media	Knoxville	TN	37939	865/588-6511
Stan	Knott	WATE TV	Knoxville	TN	37901	865/637-6666
Holly	Jones	WPXK TV	Knoxville	TN	37923	865/531-4037
Jeff	Lee	WBIR TV	Knoxville	TN	37917	865/637-1010
John	Hayes	WTNZ TV	Knoxville	TN	37923	865/693-4343
Rob	Robinson	WVLZ	Knoxville	TN	37902	865/546-4653
Ted	Lowe	WKXV	Knoxville	TN	37921	865/558-0900
Terry	Gillingham	South Central Radio	Knoxville	TN	37927	865/525-6000
Ivon	Davis	WEEN/WLCT	Lafayette	TN	37083	615/666-2169
Barbara	Nulf	WQLA AM	LaFollette	TN	37766	423/566-1000
Bill	Waddell	WLAF	LaFollette	TN	37766	423/562-3557
Jeff	Alpert	WTNQ FM	LaFollette	TN	37766	423/566-1310
Jack	Cheatwood	WDXE AM/FM	Lawrenceburg	TN	38464	931/762-4411
Roger	Wright	WWLX/WLLX	Lawrenceburg	TN	38464	931/762-6200
Frank	Bryant	WJFB TV	Lebanon	TN	37087	615/444-8206
Susie	James	WANT/WCOR	Lebanon	TN	37088	615/449-3699
Jim	Morris	WBLC	Lenoir City	TN	37771	865/675-4105
Glen	McNish	WLIL	Lenoir City	TN	37771	865/986-7536
Missie	Haislip	WJMM AM/FM	Lewisburg	TN	37091	931/359-4511
Sharon	Smartt	WAXO	Lewisburg	TN	37091	931/359-6641
Don	Enochs	WZLT/WDXL/WBFG	Lexington	TN	38351	731/968-3500
Joel	Upton	WLIV AM/FM	Livingston	TN	38570	931/823-1226
Delbert	Smith	WRKQ	Madisonville	TN	37354	423/442-1446
Rob	Clutter	WMSR	Manchester	TN	37355	931/728-3526
Amber	Dotson	WFTZ FM	Manchester	TN	37355	931/723-1015
Paul	Tinkle	WCMT AM/FM WCDZ	Martin	TN	38237	731/587-9526
Bryan	Kell	Peg Broadcasting	McMinnville	TN	37110	931/473-2104
George	Bryant	KWAM	Memphis	TN	38119	901/261/4200 ext. 228
Art	Gilliam	WLOK	Memphis	TN	38103	901/527-9565
Dan	Barron	Entercom Radio	Memphis	TN	38117	901/384-5855
Daniel	Ybarra	WGSF	Memphis	TN	38111	901/454-9948
John	Koski	WHBQ TV	Memphis	TN	38111	901/320-1313
Keith	Parnell	Flinn Broadcasting	Memphis	TN	38115	901/375-9324
Lee	Meredith	WMC TV	Memphis	TN	38104	901/726-0555
Morgan	Bohannon	Clear Channel Radio	Memphis	TN	38118	901/578-1160
Michelle	Price	WLRM	Memphis	TN	38115	901/473-3434
Ardyth	Diercks	WPTY/WLMT TV	Memphis	TN	38112	901/323-2430

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Ron	Walter	WREG TV	Memphis	TN	38103	901/543-2333
Gennora	Reed	Cumulus Media	Memphis	TN	38119	901/682-1106
Todd	Payne	WCRV	Memphis	TN	38119	901/763-4640
Terry	Digel	WPXX TV	Memphis	TN	38157	901/8218593
Clark	Quillen	WJDT FM/WBGQ FM	Morristown	TN	37815	423/235-4640
Ed	Arnold	WCRK/WMTN	Morristown	TN	37815	423/586-9101
Ben	Foy	WMCT	Mountain City	TN	37683	423/727-6701
Doreen	Graves	WBBP	Memphis	TN	38126	901/278-7878
Cassandra	Easley	WNPX TV	Mt. Juliet	TN	37122	615/773-6100
Donald	Paul	WXRQ	Mt. Pleasant	TN	38474	931/379-3119
Scott	Walker	WGNS	Murfreesboro	TN	37130	615/893-1450
George	McClintock	WTWW	Murfreesboro	TN	37129	
Bill	Barry	WAMB/WKDA	Nashville	TN	37210	615/889-1960
Bud	Walters	WPRT/WQZQ/WBUZ	Nashville	TN	37217	615/361-7560
Mike	Carpenter	Cumulus Media	Nashville	TN	37210	615/727-7000
Debbie	Turner	WTVF TV	Nashville	TN	37219	615/244-5000
Craig	Jacobus	WCJK/WJXA	Nashville	TN	37204	615/259-9393
Doreen	Wade	WSMV TV	Nashville	TN	37209	615/353-4450
Eric	Westenberger	WWCR/WNQM	Nashville	TN	37218	615/255-1300
Gary	Krean	WRLT FM	Nashville	TN	37203	615/242-5600
Stan	Knott	WKRN TV	Nashville	TN	37210	615/248-7222
John	Heidelberg	WVOL	Nashville	TN	37207	615/226-9510
Michael	Miller	Salem Broadcasting	Nashville	TN	37217	615/367-2210
Morgan	Babb	WNSG	Nashville	TN	37218	615/255-2876
Randy	Useton	WCRT AM	Nashville	TN	37214	615/871-1160
Dominic	Mancuso	Sinclair Broadcasting	Nashville	TN	37228	615/369-1717
Barb	Deniston	WHPY FM	Nashville	TN	37203	877/393-1555
Ted	Johnson	WNSR/WMGC	Nashville	TN	37209	615/844-1039
Dan	Endom	Clear Channel Radio	Nashville	TN	37203	615/664-2400
Van	Irwin, Jr.	WNAH	Nashville	TN	37203	615/254-7611
Dennis	Breckey	WNAB TV	Nashville	TN	37228	615/369/1717
Zach	Harper	WWCR/WNQM	Nashville	TN	37218	615/255-1300
Aileen	Craft	WNTT	New Tazewell	TN	37879	423/626-4203
Dwight	Wilkerson	WLIK	Newport	TN	37821	423/623-3095
Jim	Phillips	WNPC AM/FM	Newport	TN	37821	423/623-8744
Hillard	Mattie	WBNT AM/FM	Oneida	TN	37841	423/569-8598
Rich	Bott	Bott Radio Network	Overland Park	KS	66212	
Gary	Benton	WMUF/WLZK/WHDM	Paris	TN	38242	731/644-9455
Ralph	Clenney	WKJQ FM	Parsons	TN	38363	731/847-3011
Joyce	Bownds	WUAT	Pikeville	TN	37367	423/447-2906
Lee	Dorman	WQKR	Portland	TN	37148	615/325-3250
Ronnie	Rose	WKSJ AM/FM	Pulaski	TN	38478	931/363-2505
Philip	Beal	WRGS	Rogersville	TN	37857	423/272-3900
Jane	Haggard	WKWX FM	Savannah	TN	38372	731/925-9599
Jerry	Hunt	WORM AM/FM	Savannah	TN	38372	731/925-7102
Paul	Fink	WSEV/WDLY	Sevierville	TN	37862	865/453-2844

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Rusty	Reed	WLIJ/WZNG	Shelbyville	TN	37162	931/684-1514
Dwayne	Page	WJLE AM/FM	Smithville	TN	37166	615/597-4265
Pat	Robertson	WSTN	Somerville	TN	38068	901/465-1880
Charles	Rodgers	WEPG/WSDQ	South Pittsburgh	TN	37380	423/837-0747
Neil	Petersen	WDBL/WSGI	Springfield	TN	37172	615/384-9744
Charles	Sells	WXQK	Cleveland	TN	37311	423/242-7656
Jim	Christainsen	WDEH AM/FM	Sweetwater	TN	37874	423/337-5025
Byron	Harbolt	WENR				
Rob	Clutter	WSGM	Tracy City	TN	37387	931/592-7777
General	Manager	WHMT	Tullahoma	TN	37388	931/455-7426
Paul	Tinkle	WDUC FM	Tullahoma	TN	37388	931/393-3500
		WQAK/WYVY	Union City	TN	38281	731/885-0051
Terry	Hailey	WENK-WTPR AM/FM-WWKF	Union City	TN	38261	731/885-1240
Ed	Knight	WECO AM/FM	Wartburg	TN	37887	423/346-3900
Chris	Lash	WWON/WFPA	Waynesboro	TN	38485	931/722-3631
Betty	Yarbrough	WCDT	Winchester	TN	37398	931/967-2201
Doug	Combs	WBRY	Woodbury	TN	37190	615/563-2313

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