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Summary

OAB and its members are committed to EAS, which is a critical component of each station's commitment to serving the public interest and providing local service.

OAB supports the Commission's proposal to strengthen the system of transmitting national emergency alerts, and supports the testing that would be required to ensure the functionality of such a national alert system. Whether to institute national alerts and associated tests is an issue best left to the federal government to determine and coordinate.

OAB's experience is that broadcasters take EAS obligations seriously and that the current level of mandatory participation in EAS is appropriate. OAB believes that station decisions whether to broadcast particular local and state emergency messages should remain voluntary and that station participation in state and local alerts has been widespread and effective. Local broadcasters are in the best position to assess which EAS messages are relevant to their audience.

OAB believes that there may be a need for a state level alert that is analogous to the national emergency message that could be utilized by appropriate state officials in very limited circumstances. Otherwise, OAB opposes federal requirements that would require broadcasters to turn their facilities over to state or local emergency managers for their own purposes.

The Commission should provide a "model" state EAS plan or at least specific guidance for state EAS plans, and the Commission should review state plans and actively work with state and local officials to ensure proper coordination of plans by adjacent jurisdictions.

Broadcasters should install and maintain equipment capable of receiving and transmitting all current EAS codes. For small broadcasters, however, any mandated installation of new equipment should be accompanied by appropriate economic incentives. Additionally, proper

training is important to the efficacy of EAS, and OAB generally supports the formalization of training.

Cable EAS overrides are frustrating for viewers and broadcasters. OAB advocates that the Commission implement a more proactive “waiver” approach which would allow television broadcasters to expressly assume responsibility for EAS compliance in exchange for requiring cable operators to refrain from overriding such stations’ programming.

Finally, OAB supports the applicability of EAS requirements on DTV channels, including on all multicast channels, rather than, at this point in time, the force-tuning of receivers to a single stream.

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)
)
Review of the Emergency Alert System) EB Docket No. 04-296

To: The Commission

COMMENTS OF THE OHIO ASSOCIATION OF BROADCASTERS

The Ohio Association of Broadcasters (“OAB”), by its attorneys, hereby submits these comments in response to the *Notice of Proposed Rule Making* (“Notice”), FCC 04-189, released August 12, 2004, in the above-captioned proceeding. OAB supports the Commission’s efforts to improve the Emergency Alert System (“EAS”) and to modernize it as an effective emergency warning mechanism for the twenty-first century.

I.

BACKGROUND

OAB members operate television and radio stations throughout the State of Ohio and into the neighboring states of Indiana, Kentucky, Michigan, Pennsylvania, and West Virginia. Approximately 75 percent of Ohio television stations are members of OAB, and approximately 65 percent of Ohio radio stations are members of OAB. Many OAB member stations, as leaders in their communities, have made significant investments in their news departments and in weather monitoring radar equipment and in state-of-the-art EAS equipment. OAB’s comments on the state of EAS are informed generally by its members’ experiences in reporting news, weather, and child abduction emergencies and more specifically by its members’ responses to a questionnaire on EAS issues.

OAB and its members are committed to EAS, which is a critical component of each station's commitment to serving the public interest and providing local service.¹ Viewers and listeners depend on broadcasters to provide emergency information, and EAS is one way that broadcasters respond to that need.² While one need look no further than Amber Alerts and weather alerts to know that the EAS is a viable, working system, as with any complex system requiring the cooperation of many people and government entities, there is room for improvement in the mechanical operations of EAS and to attempt to address human error and glitches on the technical side.

II.

THE STATE OF OHIO EMERGENCY ALERT SYSTEM PLAN

The State of Ohio Emergency Alert System (EAS) Plan sets the protocols for dissemination of emergency information via broadcast radio and television and cable television. The Ohio EAS is a fully automated system allowing for Ohio citizens (as well as citizens in counties located outside Ohio but adjacent to Ohio) to be provided with timely emergency information and warnings. A copy of the Ohio EAS Plan ("Plan") is attached to these comments.³ The Ohio EAS Plan may be activated on a day-to-day basis in response to emergencies such as tornadoes, severe storms, flash floods, widespread fires, discharge of toxic chemical or gases, nuclear incidents, widespread power failures,

¹ One Akron, Ohio broadcaster has described EAS as a "backbone" of broadcaster dissemination of information to the public.

² A Mansfield, Ohio broadcaster has stated: "We should make [EAS] the link people COUNT ON."

³ The Ohio state and regional EAS and Amber Alert Plans are available online at <http://ema.ohio.gov/EAS_AMBER.htm>.

industrial explosions, civil disturbances, child abductions, or any other occurrence that poses an immediate threat to health, life, safety, or property.⁴

The Plan is established by the State Emergency Communications Committee (“SECC”). The Committee is comprised of a Chairman, Vice-Chairman and Cable Co-Chairman, who are appointed by the Federal Communications Commission. The Chairman is responsible for appointing the chairman and vice-chairman of the 12 operational areas specified in the plan. These individuals also serve on the SECC, along with other voluntary members appointed by the Chairman. The Plan divides the state into 12 operational areas. Each of these operational areas has a Local Primary 1 (LP-1) and Local Primary 2 (LP-2) station designated, which serve as the entry point for distribution to other stations within the operational area. These LP-1 and LP-2 stations are selected based upon their signal coverage and their willingness to serve. LP stations agree to transmit any EAS messages requested by official “notifiers”—those agencies identified by the Plan as authorized to activate the EAS. The Plan also identifies a State Primary and Alternate State Primary station, which serve as the entry point for statewide activations of the EAS. Activations within an operational area may originate through the State Primary or through the LP stations in the designated area.

The Plan specifies a “master list” of event codes approved by the SECC for use in Ohio. This list includes warning codes, which must be programmed into EAS encoder/decoder boxes, as well as optional codes, which may be used at the discretion of participating stations. The Plan uses protocols outlined in Part 11 of the Commission’s

⁴ See Ohio Plan, at 1.

Rules for the formatting of EAS messages. Originator codes and naming conventions for identification codes are provided in the Plan.

The Plan requires that each participating station have an EAS encoder/decoder box which monitors the LP-1 and LP-2 stations within its operational area. Specific encoder/decoder programming requirements are outlined for radio and television stations and cable system head ends. Participating stations are also encouraged to monitor the NOAA weather radio station issuing weather warnings for the counties within their listening and viewing area. In the event of a statewide emergency requiring a longer message, the Plan establishes a program relay network which would allow for program length messages originated by the Ohio Emergency Management Agency.

In addition to the weekly testing by stations participating in the EAS, the Plan specifies a schedule for monthly tests originating from the LP stations. A script and schedule for statewide EAS tests to be conducted twice a year is also provided. Statewide tests are conducted bi-annually, one of which is scheduled to occur during the "Severe Weather Awareness Week," which is in March. The salutary and intended effect of this scheduling, of course, is that it raises viewer and listener awareness of the function and importance of EAS. OAB believes that public education about EAS is important to the success of the system, to avoid desensitizing the public to and annoying the public with EAS tests and messages.

Broadcast of EAS messages is encouraged but, as it should be, participation in the Ohio Plan is voluntary. If a state or local activation of EAS occurs, all stations that have

opted to participate in the Plan are expected to take part in the activation and follow all applicable requirements.⁵

III.

RESPONSES TO INQUIRIES IN THE *NOTICE*

OAB is proud of its members' achievements in helping to design and implement a state EAS program in Ohio as well in broadcasting local emergency information as part of broadcasters' general commitment to "localism."⁶ OAB welcomes the opportunity to work with the Commission as it explores ways to enhance EAS operations at the local, state, and national levels. In this regard, these comments address several specific aspects of the Commission's *Notice* addressing broadcast-related issues. While there is always room for improvement in some aspects of EAS operations, these comments are generally informed by OAB's belief that EAS is working in Ohio and that Ohio broadcasters are fulfilling their "localism" obligations by covering state and local emergency events—frequently with reports before EAS is even activated—that are substantially more detailed and thorough than the messages being transmitted via EAS.

⁵ Pages 3-13 of the Ohio Plan set forth the operational details of the Ohio Plan.

⁶ Several Ohio broadcasters in Akron, Columbus, and Cleveland described EAS in identical terms: as part of broadcasters' "public service."

A. National Alerts

OAB supports the Commission's proposal to strengthen the system of transmitting national emergency alerts. OAB recognizes the importance of having a system capable of transmitting national alerts, particularly in today's post-9/11 environment of ongoing threats to our national security.⁷

In this regard, OAB supports the testing—perhaps one or two tests per year—that would be required to ensure the functionality of such a national alert system. An emergency alert system should be tested from time to time to ensure proper functioning and to provide additional opportunities for training. National alerts should be part of this testing regime. OAB would strongly recommend, however, that these tests be conducted during nighttime hours to minimize the intrusion on viewers and listeners. OAB's members have observed that over-the-air testing can lead to listener and viewer confusion and alarm as well as overall desensitization to the emergency alert system.⁸ One of the well-recognized problems with the Commission's former EBS was the overly-intrusive testing that caused the public to lose confidence in the system as a whole. These concerns would apply equally to any national testing of EAS.

In the end, whether to institute national alerts and associated tests is, however, an issue best left to the federal government to determine and coordinate. If the federal

⁷ One Ohio broadcaster has noted: "How neat it would have been for the first word on 9-11 to have come from the President or Vice President, live, on every radio station in the country."

⁸ A number of Ohio broadcasters have described EAS testing as a potential "nuisance" to the public, and at least two Ohio broadcasters specifically suggested the use of "closed-circuit" tests to reduce the nuisance factor.

government provides the national alert signal, Ohio broadcasters will be ready, willing and able to carry and distribute it.

B. Mandatory Participation

In its *Notice*, the Commission asks whether participation in EAS should be made mandatory. However, OAB would point out that participation in EAS is already mandatory—unless broadcasters have specifically sought “Non-participating National” (“NN”) status, they are presumed to be “Participating” stations with respect to broadcast of national EAS messages. Moreover, all broadcasters, even NN-designated stations, are required to meet certain minimal EAS requirements such as having and maintaining EAS equipment, maintaining EAS information, and participating in EAS tests. OAB’s experience is that broadcasters do take these obligations very seriously and that this level of continued mandatory participation in EAS is appropriate.

While it is true that an individual station’s decision to broadcast particular local and state emergency messages is voluntary, OAB believes this participation has been widespread and effective and that it should remain voluntary. When stations receive state or local EAS alerts, they are in the best position to know whether the alert has been sent in error, whether it is timely and relevant to the local community,⁹ and whether the station’s own reporting is more detailed and timely than the content contained in the EAS message. Broadcasters spend enormous time and resources in developing local news operations so that they will be in a position to be “first” with local news, particularly

⁹ Ohio broadcasters have encountered situations where weather alerts have been received after the expiration time stated in the message as well as for locales outside a station’s viewing area. Indeed, a Lima, Ohio station points out that “the credibility and integrity of the EAS is brought to question when stations can not depend on the information being factual, correct, and timely.”

urgent matters affecting safety and welfare. If broadcast of specific state or local emergency alerts was mandatory *in spite of* sometime superior news coverage by broadcasters, this would make the system much more cumbersome and less useful to listeners and viewers. This could compromise some of the very best services that local stations can provide to their communities, especially in times of emergency.

Moreover, mandatory transmission of specific messages raises the very difficult question of which messages to make mandatory. Again, local broadcasters are in the best position to assess which messages are relevant to their listeners and viewers. These judgments—particularly with respect to weather events which are the predominant EAS messages transmitted by broadcasters—simply are not capable being made on a uniform basis given existing technology.¹⁰

OAB notes, however, that there may be a need for a state level alert that is analogous to the national emergency message that could be utilized by appropriate state officials in very limited circumstances—such as when there is a sudden, unforeseeable, widespread disaster that has the potential to impact a large area or population, for example a meltdown of or terrorist attack on a nuclear facility. Otherwise, OAB would oppose federal requirements that authorize local or state officials to “seize the airwaves” for their own purposes. Control of a station’s content must at all times remain with the licensee, except for the mandatory delivery of a national EAS message (and, as noted above, perhaps an emergency state message). Not only can a station in many cases provide more accurate real-time weather emergency information than even the National Weather Service, it is also a broadcaster’s job to know the best way to communicate vital

¹⁰ A Lima, Ohio broadcaster notes that weather events cause “the bulk of EAS traffic.”

information to the public, and it is a job most stations do very well. The prospect of allowing, in particular, local emergency managers to take over the station is likely to result in far too many “emergency” alerts, annoying viewers and listeners, which, in turn, would result in the desensitization of the public to “emergency” messages, causing listeners and viewers to “tune out” precisely the material that they most need to “tune in.”¹¹ Furthermore, for those stations whose viewing or listening areas include more than one state, conflicting demands of multiple state or local emergency managers for broadcast facilities could—indeed would—create chaos during an emergency, which is exactly the opposite of what is needed in such circumstances.

Additionally, licensees should only be answerable to one governmental authority, and that authority should remain the Commission. Otherwise, the necessary efficiencies and smooth operation of the EAS will be compromised as broadcasters struggle to respond to and comply with multiple differing requirements and protocols. While the Department of Homeland Security (“DHS”) (and its component part, FEMA) can and should take the leading role in ensuring that the nation is prepared for national emergencies, broadcasters should be responsive to the ascertained needs of DHS through the regulatory structure of the Commission. That is to say, the Commission should cooperate fully with DHS in fashioning and implementing a national emergency preparedness framework, but the specific requirements pertaining to Commission licensees should be promulgated and overseen by the Commission only.

¹¹ An Akron, Ohio broadcaster aptly described this as “EAS fatigue.” Another Ohio broadcaster has suggested that poor quality of EAS audio causes listeners to “tune out” emergency messages.

C. Model State Plans

OAB believes that it is a fair criticism of the existing EAS that there is not sufficient coordination between state EAS plans, some of which may be out of date, so that the overall effectiveness of the system is compromised. Greater centralization and federal oversight of state EAS plans would likely augment the efficacy of EAS. If the Commission possesses authority to require states to adopt EAS plans,¹² the Commission, in cooperation with other relevant federal agencies, should consider establishing national guidelines and standards for the structure of such plans and promulgate a “model” plan or at least a Policy Statement enumerating the essential elements of a workable plan. Similarly, the Commission should also consider encouraging or requiring regional plans which would address state-to-state coordination and cross-monitoring issues which arise, in particular, for border area stations.

In addition to providing a “model” plan and specific guidance for state plans (and possibly regional plans), the Commission should review these plans and actively work with state and local emergency communications committees in making sure the plans developed by adjacent jurisdictions are properly coordinated. Funding for the development of such plans should be provided, at least in part, by the federal government.

OAB would emphasize, however, that state EAS plans cannot be derived from a “one-size-fits-all” mold. Ohio has specifically tailored its EAS plan to reach all Ohioans; but what might work in Ohio might not work in Hawaii or Alaska. What might be needed in Florida might not be relevant in Arizona. The guidelines and standards,

¹² It is unclear whether the Commission or DHS has the current statutory authority to require states to adopt such plans.

therefore, should provide an overall framework so that EAS, taken as a whole at the national, state, and local levels, works seamlessly.

D. New Equipment

Because EAS can only be as effective as its component parts—literally—broadcasters should install and maintain equipment capable of receiving and transmitting all current EAS codes.¹³ For small broadcasters, however, any mandated installation of new equipment should be accompanied by an appropriate economic incentive—e.g., tax credits, regulatory fees credits, or some other “carrot” compensatory mechanism so that such a requirement would be affordable for smaller broadcasters whose participation in EAS is so important to its success.

As a practical matter, an equipment overhaul need occur only once—after “modern” hardware is installed, further upgrades are typically a function of new software, which is less costly than the hardware. Such software upgrades should be mandatory, and the Commission should provide an appropriate transition period for the acquisition and installation of each successive software upgrade.¹⁴ Moreover, equipment manufacturers should be encouraged to manufacture EAS equipment that is capable of upgrading through inexpensive means so as to minimize the financial burden on broadcasters, particularly small broadcasters, in keeping their EAS equipment up-to-speed with changing EAS requirements.

¹³ As noted in the Ohio Plan itself, the success of EAS depends on, among other things, proper equipment configuration. *See* Ohio Plan, at 15.

¹⁴ One Ohio broadcaster suggested a 90 day transition period for software upgrades.

E. Training

As noted in the Ohio Plan itself, the success of EAS depends on the operating staff readiness, equipment configuration, and adherence to protocol and steps required by state plans.¹⁵ Indeed, the Ohio Plan encourages stations to develop their own standard operating procedures and to post them at the EAS equipment for quick reference. The Plan observes: “a clear, concise step-by-step operating procedure, readily available, for operating personnel to use at the time of an emergency, is absolutely necessary if the EAS is to be successful.”¹⁶ Of course, in order for “step-by-step” operating procedures to be effective, station personnel must have adequate training, because EAS alerts can be a matter of life or death, leaving little time for staff to “learn the ropes” in a real-time emergency. Accordingly, proper training (and retraining) is a critical component of EAS, and OAB supports the formalization of training, so long as it does not prove to be unduly burdensome or disruptive.

Nonetheless, the implementation of training programs must, of necessity, occur at the local level.¹⁷ OAB believes that broadcasters currently do a good job of training employees concerning the operation of EAS equipment. However, because the success of EAS depends on the competency of all persons and organizations involved at all levels of EAS, which in turn depends upon the adequacy and efficacy of training, funding for annual training of emergency management personnel should be provided by the federal government. The federal government should also be responsible for providing guidance

¹⁵ See Ohio Plan, at 15.

¹⁶ Ohio Plan, at 16.

¹⁷ Several Ohio stations have suggested that state broadcast associations or the SBE could potentially serve as a source for EAS training.

to ensure that an appropriate minimum level of training of emergency management personnel is provided. A national training standard would ensure that training of persons who administer and activate the EAS is uniform across the board—throughout local communities, throughout the states, and among federal and state and local government agencies.

F. Cable Overrides

One of the most frustrating—to broadcasters and viewers alike—and potentially harmful aspects of the current system is when a cable operator overrides a television station’s own EAS messages or emergency reporting and information. Although cable systems are permitted, through a written agreement, to elect not to interrupt the emergency content of broadcast stations,¹⁸ many OAB television members have been unable to reach such an agreement with the local cable system. Such cable overrides are harmful not only because they may provide the public with less vital and up-to-date emergency information than the fuller reporting of a television station’s full news and weather departments, but they have, in the past, actually interfered with the provision of such information.¹⁹ Similarly, Ohio broadcasters have experienced problems with cable operators duplicating broadcast EAS messages after-the fact when the information is

¹⁸ See 47 C.F.R. § 11.51(h)(4).

¹⁹ To cite one example which is of-record with the Commission, one Ohio broadcaster had its live coverage of a tornado interrupted by a cable operator with a generic message to seek cover. Public safety was compromised in this case by viewers losing access to very detailed and specific information being provided by the broadcasters concerning the location of the funnel cloud in favor of the cable operator’s generic “seek cover” message.

stale.²⁰ Other Ohio broadcasters have experience problems with cable system malfunctions, given that most cable EAS equipment is entirely automated.²¹ Because television broadcasters have made substantial investments for critical, emergency reporting, the regulatory regime should not permit cable overrides to undermine those investments and the benefit they bring to local communities at their greatest time of need.

Accordingly, OAB advocates that the Commission implement a more proactive “waiver” approach which would allow television broadcasters to expressly assume responsibility for EAS compliance in exchange for requiring cable operators to refrain from overriding such stations’ programming.

G. Digital Media

OAB supports the applicability of EAS requirements on DTV channels, including on all multicast channels, rather than, at this point in time, the force-tuning of receivers to a single stream. Given that the transition to DTV is still in its infancy, with many of the technical and business issues concerning operating in a multicasting environment still to be determined, OAB would urge the Commission not to prejudge the application of EAS in a digital environment. It is likely that DTV will enhance broadcasters’ EAS abilities,

²⁰ For example, one Ohio broadcaster reports that it may send 3 to 7 alerts on a typical storm night. The cable system often duplicates these alerts 5 minutes later. This duplication causes the public to lose confidence in the system and generates ill will for emergency messages in general.

²¹ For example, one Ohio broadcaster has experienced problems where the cable operator’s EAS equipment does not recognize the End of Message code, thereby interrupting the broadcast programming with a “blue screen” for an extended period of time. Given that cable operators typically operate EAS equipment on an automated basis, until malfunctioning equipment resets, the cable operators effectively push broadcasters off the air temporarily.

but the Commission should refrain, at this point in time, from imposing regulations that might constrain the manner in which broadcasters roll-out DTV service.

Conclusion

The Commission's leadership in seeking to keep EAS as up-to-date and responsive as possible is commendable. In furtherance of those goals, OAB respectfully requests that the Commission consider the recommendations set forth herein.

Respectfully submitted,

**THE OHIO ASSOCIATION OF
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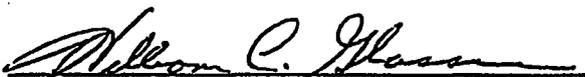
October 29, 2004

Attachment

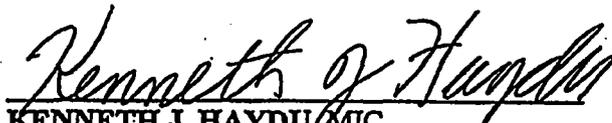
[State of Ohio Emergency Alert System Plan]

APPROVALS

This State of Ohio Emergency Alert System (EAS) Plan was developed and approved by the State of Ohio EAS Emergency Communications Committee and the National Weather Service (NWS) in cooperation with the Ohio Emergency Management Agency (EMA).



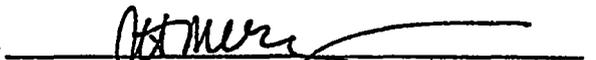
WILLIAM C. GLASSER, Chairman
State Emergency Communications Committee



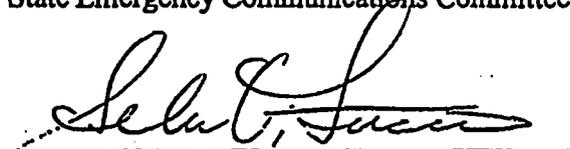
KENNETH J. HAYDU, MIC
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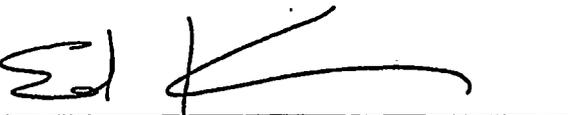
MARK A. PATCHEN, Vice Chairman
State Emergency Communications Committee



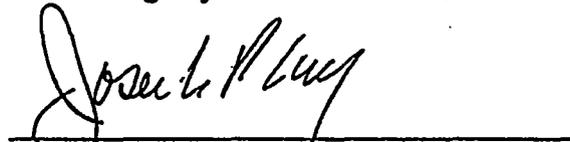
CHRISTINE MERRITT, Executive Vice President
Ohio Association of Broadcasters



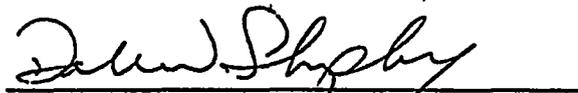
SEBINO DILUCIANO, Cable Co-Chairman
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Ohio Cable Telecommunications Association



JOSEPH P. CASEY, Chief
Technical & Public Safety Division
Federal Communications Commission



DALE W. SHIPLEY, Executive Director
Ohio Emergency Management Agency



BEN ARY, WNCI, State Primary
State Emergency Communications Committee



PETER J. FORD, Chief Technology Officer
Ohio Educational Telecommunications
Network Commission



JOE TERNOVAN, WLTV, State Alternate
State Emergency Communications Committee

**This plan supercedes all previously
published State EAS Plans**

Ohio Emergency Management Agency (EMA) (20)
All Ohio County EMA Directors
NWS Wilmington, OH
NWS Cleveland, OH
NWS Pittsburgh, PA
NWS Charleston, WV
NWS Fort Wayne, IN
NWS Grand Rapids, MI

All Ohio Radio and TV Stations
All Ohio Cable Systems

WOVK Radio, West Virginia

Ohio Association of Broadcasters (OAB)
Ohio SECC Chairman
All Operational Area LECC Chairmen
All Operational Area LECC Vice Chairmen
Ohio SECC Cable Co-Chairman
All Ohio County Sheriffs
President, All County Commissioners
Ohio Educational Telecommunications Network Commission (OET)
Ohio Cable Telecommunications Association (OCTA)
Michigan Emergency Management Agency
Michigan SECC Chairman
Indiana Emergency Management Agency
Indiana SECC Chairman
Kentucky Emergency Management Agency
Kentucky SECC Chairman
Pennsylvania Emergency Management Agency
Pennsylvania SECC Chairman
West Virginia Emergency Management Agency
West Virginia SECC Chairman

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I. PURPOSE

This document provides procedures agreed upon by the broadcast and cable industry which will permit designated federal, state and local government officials to issue emergency information, instructions and warnings to the general public of Ohio by activating the State of Ohio Emergency Alert System (EAS) or any of the 12 Local (Operational) Area Systems.

II. AUTHORITY

47 CFR, Part 11, Federal Communications Commission (FCC) Rules and Regulations.

III. GENERAL INFORMATION

A. The Ohio EAS System will utilize digital message encoding/decoding equipment which complies with the standards in the FCC rules, Part 11, and is certified by the Commission.

B. The Ohio EAS System is made up of 12 *Local Areas*, also known as “Operational Areas”. This plan was prepared by members of the State of Ohio Emergency Alert System (EAS) Emergency Communications Committee (SECC) in cooperation with the State of Ohio Emergency Management Agency (EMA) and the National Weather Service (NWS). The plan provides background data and prescribes specific procedures for the broadcast and cable television media to disseminate emergency information and warnings to the general public throughout the State of Ohio, at the request of designated federal, state and local government officials, known as *Notifiers*. The State of Ohio EAS Plan may be activated on a day-to-day basis in response to such emergencies as: tornadoes, severe storms, flash floods, widespread fires, discharge of toxic chemicals or gases, nuclear incidents, widespread power failures, industrial explosions, civil disturbances, child abductions or any other occurrence, which poses an immediate threat to health, life, safety or property.

C. The plan provides for access to the EAS by designated officials working in conjunction with the State Primary (SP) station (WNCI-FM) and the 24 area Local Primary (LP 1 & 2) EAS stations. The State of Ohio EAS area consists of all Ohio's 88 counties which are grouped into twelve local (operational) areas. The plan also envisions involvement of the broadcast media, as may be appropriate, in counties of Pennsylvania, Kentucky, Michigan, Indiana and West Virginia adjacent to the counties making up the Ohio EAS local areas. This is a two-way involvement, providing for EAS messages originated by Ohio stations to be disseminated over stations in adjacent states which have Ohio coverage, and for EAS messages originated by stations in adjacent states to be disseminated over Ohio stations having coverage in adjacent states.

D. Acceptance of or participation in this plan shall not be deemed to prohibit a broadcast licensee or cable TV operator from exercising independent discretion and responsibility in any given situation. Stations originating EAS emergency communications shall be deemed to have conferred rebroadcast authority.

E. The twelve Ohio Local Area EAS Plans shall be considered appendices to and a part of this state of Ohio EAS plan.

F. EAS Designations: The following are the FCC designations reflecting the EAS status of every broadcaster and cable operator. Consult the EAS Station Listing, Attachment V to this plan to determine your EAS designation.

NP (National Primary) = Sole source of national EAS alerts. In Ohio, WTAM and WLW are NP stations. These stations will feed national level alerts to the State Primary stations.

SP (State Primary) = The entry point for statewide Ohio EAS announcements. WNCI, Columbus, serves as the State Primary station. The Alternate State Primary station is WLWQ.

SR (State Relay) = In Ohio, several Public Broadcasting TV and radio stations and some LP stations (designated as LP-3) serve in this capacity to deliver statewide emergency alerts to all LP stations in the state. The Ohio ETV network distributes WNCI (SP) audio to these stations via their fiber optic system.

LP-1 and LP-2 (Local Primary) = EAS entry point stations for activating the EAS in each operational area. There will be at least two in each area. The LP-1 is the primary Local Primary station. The LP-2 is the Alternate Local Primary station. LP 1 and 2 stations are to be monitored by all participating stations in the area.

LP-3 (Local Primary 3) = In Ohio several stations serve as relay stations to deliver station emergency announcements to LP-1 and LP-2 stations throughout the state. LP-3 stations also serve as monitoring points for stations that cannot pickup a signal from an LP-1 or LP-2.

PN (Participating National) = Most broadcasters and cable operators are designated as PN. They monitor the area LP stations and deliver EAS alerts directly to the general public.

NN (Non-participating National) = Broadcasters who hold an “NN Authorization” from the FCC are required to sign off during a national EAS activation. There are very few of these in Ohio.

IV. OHIO EAS CONFIGURATION

The Ohio EAS is a fully automated system allowing notifiers through dedicated encoders to selectively provide Ohio citizens with timely emergency information and warnings. This state plan outlines general guidelines for EAS configuration activation and use, and state activation procedures. Local area notification procedures are outlined in the twelve (12) Ohio Local Area EAS plans.

Notifiers must have EAS encoder equipment. Notifiers without EAS equipment must activate the EAS through a notifier with the proper EAS encoder. LP stations serve as the

primary contact point for EAS entry and therefore, carry an extra EAS responsibility. With this in mind, key criteria for the selection of Ohio State Primary (SP) and Local Primary (LP) stations was their ability to provide 24-hour staffing.

The process of selecting monitoring assignments in the Ohio EAS structure was based on station coverage areas with an emphasis on the ability to span state, local area and county boundaries. This focus provides Ohio with an approach for disseminating EAS messages over all stations and cable systems with coverage serving an impacted area regardless of the physical location of the transmitter or cable head-end equipment. To achieve this capability, cross monitoring and multiple Local Primary (LP) monitoring assignments are required. While this monitoring scheme creates some additional burden on LP stations in hardware procurement and configuration, the benefits of specific and thorough coverage far outweighs these burdens.

The ability to fully utilize the automated technology of the EAS to assure 24-hour system reliability and selective signaling was key to the setting of our Ohio EAS goal. Throughout the long-range development of the Ohio EAS, emphasis will be placed on configuring a fully automated but interruptible system. Emphasis will be placed on notifiers having EAS encoders and on the reliable interface of the National Weather Service's Specific Area Message Encoder (SAME) into the Ohio EAS structure. Ohio EAS monitoring assignments *specify* the monitoring of the Operational Area LP-1 and LP-2 stations by all broadcasters and cable operators and *strongly recommend* that all broadcasters and cable operators monitor the NOAA weather radio station issuing weather warnings for counties within their coverage area. The approval to monitor a LP-3 station is granted when difficulties are encountered in receiving a LP-1 or LP-2 station.

The Ohio EAS Plan envisions the possible need for long form statewide emergency programs. For this reason, we have developed an emergency program relay network, shown in Attachment III. Procedures for implementation and use of this network are covered under Sections IX and XI, Broadcaster's Procedures.

V. **ORIGINATING STATIONS**

A. The State of Ohio Emergency Alert System's originating station is WNCI (FM), Columbus, Ohio (97.9 MHz), designated the State Primary (SP) station. The State of Ohio Emergency Alert System's *alternate* originating station is WLVQ-FM, Columbus, Ohio (96.3 MHz), designated the alternate State Primary station. If WNCI cannot be contacted, WLVQ should be notified and requested to activate the state of Ohio EAS.

B. In the case of localized emergency situations not involving the entire state, state level notifiers may request activation of the EAS on a local operational area basis through WNCI or through the local area Local Primary (LP) stations serving the affected area. (See Local Area Plans)

VI. **EAS MESSAGE PROTOCOL**

A. The EAS system uses a four-part message structure for emergency activation. The four parts are (1) *The preamble and EAS header codes*; (2) *The audio attention signal*; (3) *The EAS message audio text* and (4) *The preamble and end-of-message code*. The description of the protocol that follows is provided for informational purposes only. The actual generation of EAS messages is accomplished through the use of FCC type accepted EAS Encoder/Decoder equipment. EAS Encoder/Decoder equipment software generates the header and end-of-message codes using plain English entries, through menu prompts. The equipment user interface works much like a bank ATM machine. The FCC protocol is as follows:

(1) The Preamble and EAS Header

The preamble and EAS header code contains specific information related to the origination, handling and routing of the EAS message. An EAS encoder transmits the code three times with a one-second pause between transmissions.

The originator code part of this header is pre-set once by the user. The code is then sent automatically by the Encoder as part of each message activation. The following originator codes will be used as part of the Ohio EAS.

<u>ORIGINATOR</u>	<u>CODE</u>
Broadcast station or cable system	EAS
Civil authorities	CIV
National Weather Service	WXR
Primary Entry Point system	PEP (National use only)
Emergency Action Notification	EAN (National use only)

Within the EAS header is an eight-character identification code. These eight-characters identify the broadcaster, cable operator, NWS office, or civil authority sending or relaying the message. After initial programming, the EAS encoder will automatically affix this code to all outgoing EAS messages. The identification codes in Ohio will follow the convention shown in the examples given below:

WHBCAMFM – Broadcast station combo

WHBC(FM) – Single broadcast station

WLW/(AM) – Single broadcast station

NWS/KCLE – NWS, NOAA weather radio

STARCOEM – County Emergency Management. (Example, Stark County)

STARCOSO – County Sheriff. (Example, Stark County)

OHIOSTEM – State EOC/Emergency Management Agency

LOROHAD – Lorain Adelpia Cable Communications

Other suggested identification codes should be submitted to the SECC for approval and inclusion in the State and Local Operational area EAS Plans. Identification codes for county notifier encoders can be found in the Local Operational Area Plans. Identification codes for cable systems will consist of the first three letters of the city of the cable head end, followed by the OH for Ohio, followed by the three letter designator for the cable company name. The cable company name designators are as follows:

Adelphia Cable Communications	ADE	
Americable USA	AMU	
Ameritech New Media	AME	
Armstrong Cable Services	ARM	
ATT Broadband	ATT	
B. R. Cablevision, Inc.	BRC	
Buckeye Cablevision	BUC	
Cable Co-op	CAC	
Cable One	CAO	
Cablevision Communications (Woodsfield)	CCM	
Century Ohio Cable Television	CEN	
Charter Communications	CHA	
Classic Cable	CLA	
Clear Picture, Inc.	CLE	
Comcast Cablevision	COM	
Cox Communications	COX	
East Cleveland Cable	ECC	
Erie County Cablevision	ERI	
Fremont Cablevision	FRC	
FrontierVision Operating Partners	FRO	
Grafton Cable Communications	GRA	
Insight Communications, Inc.	INS	
Jefferson County Cable	JEF	
Kalida Telephone Company	KAI	
KAS Cable TV, Inc.	KAS	
Lowell Community Cable TV		LOW
Massillon Cable TV, Inc.	MAS	
MediaOne, Inc.	MED	
Nelsenville Cable TV	NEL	
NK Telco	NKT	
Orwell Cable Television Company	ORW	
OTEC Communications Company	OTE	

Richards Cable TV Co., Inc.	RIC
Riley Video Services	RIL
Telephone Service Company	TSC
Time Warner Cable	TWC
Watch TV	WAT
Wellington Cable Communications	WCA
Wide Open West	WID

(2) Audio Attention Signal

The audio attention signal is a two-tone signal transmitted after the EAS header code.

This signal is 8 seconds in duration and serves to alert listeners to an upcoming emergency broadcast.

(3) EAS Message Text

The EAS message text is the actual text of the emergency message to be transmitted. All Ohio statewide EAS messages will begin with the statement: **“WE INTERRUPT THIS PROGRAM TO ACTIVATE THE EMERGENCY ALERT SYSTEM”** and end with the statement: **“THIS CONCLUDES THIS EMERGENCY ALERT SYSTEM MESSAGE.”** This audio message, including open, close and body must be limited to two minutes in order to fit within the recording space provided in the EAS Decoders.

(4) End of Message Code

The end-of-message-code is transmitted by the encoder three times with one second pauses between transmissions. Its purpose is to return automated broadcast programming equipment to normal programming after an EAS interruption.

B. The EAS Protocol described above is taken from the FCC Rules, Part 11, and shall be used exclusively by the Ohio EAS System. Each participating station and subject cable system and notifier in the state shall program their EAS Decoder to facilitate the proper functioning of the system as described in this State Plan and the 12 Local Operational Area Plans.

C. Ohio EAS Event Codes:

Whether used under the authority of the Ohio State EAS Plan, or any of the 12 Local Operational Area EAS Plans, the following are the *only* EAS Event Codes to be used in Ohio by anyone for any purpose. No codes can be added without SECC/FCC approval. This list will be maintained as a “Master List” for all event codes used in the State of Ohio.

Warning Codes – These are codes critical to the rapid dissemination of emergency information. This entire list must be programmed into your EAS Encoder/Decoder.

Emergency Action Notification	EAN
Emergency Action Termination	EAT
Required Monthly Test	RMT
Required Weekly Test	RWT
Child Abduction Emergency	CAE
Civil Danger Warning	CDW
Civil Emergency Message	CEM
Earthquake Warning	EQW
Evacuation Immediate	EVI
Fire Warning	FRW
Flash Flood Warning	FFW
Hazardous Materials Warning	HMW
Law Enforcement Warning	LEW
9-1-1 Telephone Outage Emergency	TOE
Nuclear Power Plant Warning	NUW
Radiological Hazard Warning	RHW
Shelter In Place Warning	SPW
Tornado Warning	TOR

Optional Codes – These codes are authorized for use by station on an as needed or optional basis. The programming of these codes into station EAS equipment is at the discretion of each EAS station.

National Information Center	NIC
National Periodic Test	NPT
Blizzard Warning	BZW
Flash Flood Watch	FFA
Flash Flood Statement	FFS
Flood Warning	FLW
Flood Watch	FLA
Flood Statement	FLS
High Wind Warning	HWW
High Wind Watch	HWA
Network Message Notification	NMN
Practice/Demo Warning	DMO
Severe Thunderstorm Warning	SVR
Severe Thunderstorm Watch	SVA
Severe Weather Statement	SVS
Special Marine Warning	SMW
Special Weather Statement	SPS
Tornado Watch	TOA
Winter Storm Warning	WSW
Winter Storm Watch	WSA

VII. MONITORING ASSIGNMENTS

- A. As indicated in Paragraph V, WNCI is the State Primary station and will be the *originator* for State of Ohio EAS messages. WLWQ, the alternate State Primary station will serve as the *alternate originator* for the State of Ohio EAS and will monitor WNCI. Local Primary stations will monitor other LP stations as shown on the LP Monitoring Map, Attachment I.
- B. All participating (PN) State of Ohio broadcast stations and subject cable systems shall monitor the LP-1 and LP-2 stations serving their local operational area, unless specified otherwise in the Operational Area Plan.
- C. In addition to their assigned LP stations, all stations and cable systems participating in the Ohio EAS are encouraged to monitor the appropriate NOAA weather radio station serving their area. This is particularly important for LP stations. A complete list of NOAA weather stations and the counties for which they provide weather warnings is Attachment IV.
- D. Details on specific monitoring assignments for Ohio EAS participating stations and cable systems are outlined in the 12 Ohio Operational Area EAS Plans. If monitoring difficulties are experienced, the operational area chairman should be consulted in resolving the problem. The operational area chairmen will co-ordinate any waiver necessary with the SECC chairman and the FCC.

VIII. RESPONSIBILITIES OF LOCAL PRIMARY STATIONS

- A. Local Primary (LP) stations serving the Ohio EAS System are chosen on the basis of signal coverage and their ability and willingness to serve in this important key capacity. LP stations are normally required to operate 24 hours per day and if possible, be attended operations.
- B. In accepting this plan, all LP stations agree to transmit any EAS messages requested by official EAS notifiers identified in this and their Local Operational Area Plan. To do this, LP

stations must install telephone coupler equipment for use in providing notifier access.

Additionally, LP stations, as they deem necessary, agree to re-transmit any received message carrying any of the warning event codes specified in Paragraph VI, C, which are originated in their or any adjoining local operational areas. This will ensure message dissemination through all broadcast and cable media, which may have listeners, viewers or subscribers in the area affected by the emergency. This will require effort and attention to detail in EAS decoder programming station operational planning and staff training. LP station engineers or other responsible personnel should consult their local operational area chairman, adjoining area chairmen and the state chairman in coordinating this important function.

C. LP stations must program their EAS decoders to accept emergency messages carrying location codes for all counties which are covered, in whole or in part, by any station or cable system in their local operational area. Attachment II is a listing of LP Station County Programming. All other participating stations must program their EAS Encoders to accept emergency messages carrying location codes for all counties, which are covered, in whole or in part, by their secondary coverage contour.

IX. STATE PROGRAM RELAY NETWORK

A. The SECC envisions the possible need for program length messages which would be originated by the Ohio Emergency Management Agency in the event of a statewide emergency situation. Therefore, a program relay network has been established and is shown in Attachment III. These program length messages would be carried by the State Primary station and relayed to all points in the state at a time which would be predetermined and announced via a statewide EAS activation. The activation alert would flow through the State LP monitoring web and would provide program join information to all participating stations and cable systems.

B. It is important for all LP stations to pay particular attention to the program relay network fan-out so as to bring the correct relay station into their board. Transmitting audio from the

wrong monitored station in this situation could result in severing the delivery system.

Attachment I outlines the monitoring assignments for all LP stations.

X. NOTIFICATION PROCEDURES

A. Notifiers: The agencies named below shall serve as notifiers for the State of Ohio EAS.

Other agencies may request activation of the State of Ohio EAS, but they must do so through one of the notifiers listed below:

- (1) Governor of the State of Ohio.
- (2) Ohio Emergency Management Agency
- (3) Ohio State Highway Patrol.
- (4) National Weather Service.
- (5) County Emergency Management Agency Directors (local operational area only)
- (6) County Sheriff (local operational area only)

B. Notification of a statewide alert can be accomplished by sending the pre-formatted alert from the Emergency Operations Center/Joint Dispatch Facility (EOC/JDF) using an EAS encoder to the State Primary or Alternate State Primary station. The EOC/JDF houses the offices of the Ohio EMA and the Ohio State Highway Patrol dispatch center. This facility serves as the EAS notification point and is connected to the state primary station by a Remote Pickup Unit (RPU) radio link.

C. Requests for Activation: Requests for activation of the State of Ohio EAS will be made by contacting WNCI, the State Primary station by telephone or by remote pickup unit. If the SP station cannot be contacted, WLVQ, the alternate SP, shall be contacted.

WNCI and WLVQ have provided notifiers telephone numbers for direct access into station EAS equipment and to reach station operators. Local activation will be accomplished in accordance with the procedures outlined in the 12 Local Operational Area EAS Plans.

Ohio EAS messages will be formatted to begin and end with the following statements:

“We interrupt this program to activate the Emergency Alert System (text of emergency message). This concludes this Emergency Alert System message.”

D. Severe Weather Warnings: The National Weather Service (NWS) will serve as the primary notifier for severe weather warnings and subsequent weather information. The NWS, WNCI and the LP stations have agreed upon detailed activation procedures. The primary means of NWS activation of the Ohio EAS will be over NWS-Specific Area Message Encoder (SAME) through station monitoring of the NOAA weather radio system. The NWS may, through agreements with LP stations, contact those stations directly by telephone for EAS activation in localized weather situations.

XI. BROADCASTERS' PROCEDURE

A. Upon receipt of a pre-formatted EAS alert from an authorized notifier, the SP or alternate SP station shall re-transmit that alert immediately.

B. All broadcast stations and cable systems in the State of Ohio monitoring the key EAS (LP) stations will be alerted by their EAS decoders based on the event and location codes contained in the EAS digital header. Upon receipt of a valid EAS message each station or cable system must re-transmit the message within 15 minutes of receipt. (See requirements in Paragraph XIII, B.) If a program length message is to be transmitted, stations should arrange to join the Emergency Program Relay Network at the announced time.

C. All messages must be based on definite and confirmed facts. This can best be assured by using the notifier's original audio message as transmitted through the EAS decoder/encoder equipment. Discussion of unconfirmed facts can lead to public confusion and heightened anxiety.

D. Upon completion of the EAS transmission, appropriate notations must be entered into the station log. It is suggested that the FCC's EAS office be notified of EAS activation by filing FCC Form 201.

XII. LEGAL MATTERS

- A. As a reminder to broadcasters, the following legal points are made regarding emergency alert operations. (For complete information, consult FCC Rules and Regulations, Part 11)
- B. While the broadcast of EAS messages is encouraged, use of Ohio EAS material is solely up to the discretion of individual station or cable system management. Although the activation of the EAS is discretionary at the state and local levels, *if it is activated*, all communications facilities within the affected area that are participating in the EAS at the state or local level are expected to take part in the activation and to follow the requirements of the FCC's rules, the EAS Operating Handbook, and the State and Local Operational Area Plans. (See FCC Rules, Part 11, Secs. 11.21, 11.41 and 11.55.)
- C. All participating stations and cable systems have permission to rebroadcast Ohio EAS messages. Such rebroadcast permission begins with issuance of the EAS signaling and alert tones, and ends with the EAS end-of-message code. Stations and cable systems are encouraged to configure their EAS encoders for automatic relay of EAS messages. Unattended stations must operate EAS encoders in automatic mode.
- D. In the event of EAS activation, stations with certain power, pattern and operating hours limitations may forego those limitations subject to FCC Rules and Regulations.

XIII. STEPS BROADCASTERS AND CABLE OPERATORS MUST TAKE TO PARTICIPATE IN THE OHIO EMERGENCY ALERT SYSTEM

A. The Ohio State Emergency Communications Committee (SECC) has set the following requirements for participation in the Ohio EAS Plan. The success of the Ohio EAS will depend totally on operating staff readiness, equipment configuration and adherence to these steps.

B. All stations and cable systems must have an EAS Encoder/Decoder installed with audio inputs from the LP-1 and LP-2 stations serving their Local Operational Area. In addition, input from a NWS weather radio source is strongly encouraged.

C. The following Decoder/Encoder programming must be accomplished in order to participate in the plan:

For Radio and TV Stations: Decoders must be programmed to accept alerts using all the warning event codes given in Paragraph VI, C, as a minimum. Decoders must also be programmed to accept alerts containing all county location codes within their secondary coverage contour. The *EAS station specification sheets* found in the Local Operational Area Plan should be used as a guide. TV stations must transmit all received alerts in accordance with FCC Rules 11.51 (d).

For Cable System Head Ends: Decoders must be programmed to accept alerts for all warning event codes given in Paragraph VI, C. Decoders must be programmed to accept alerts containing county location codes for all counties covered, in whole or in part, by the system. Cable systems must transmit all received alerts in accordance with FCC Rules in Par. 11.51 (g) and 11.51 (h).

EAS equipment should be configured to notify station personnel of any EAS activation. LP stations must program their decoders for additional location codes as prescribed in this plan. Unless a facility is attended 24 hours by operators trained in EAS operation, encoder/decoder equipment should be configured to automatically rebroadcast properly addressed EAS messages.

NOTE: *(The SECC recognizes the problems encountered in large cable systems, where selective delivery to specific areas may not be possible, resulting in alerts being received by subscribers,*

which may not be affected by the alert. However, the SECC expects that all alerts be sent. The information contained in the alert itself is sufficient to allow subscribers to determine if the alert applies to them.)

D. Placement of EAS equipment is critical. It must be placed where regular operating personnel can hear it and observe the message printer on the decoder, at any time.

E. Each station and cable system is unique in the role that it plays in the EAS system.

Operating personnel are expected to consult their Local Operational Area EAS Plan and confer with the chairperson of the local operational area on the specific details and requirements for fulfilling their EAS requirements.

F. Stations and cable systems should, based on this plan and their local area plan, develop their own standard operating procedures. Station personnel should post those procedures at the EAS equipment for quick reference. A copy of this plan alone cannot possibly be considered adequate for operating personnel to use as a guide at the time of activation, nor can operating personnel be expected to remember what to do after studying this plan. This plan must be applied to each facility. Therefore a clear, concise step-by-step operating procedure, readily available, for operating personnel to use at the time of an emergency, is absolutely necessary if the EAS is to be successful.

G. The State EAS has both audio and video capabilities. Television stations and cable TV systems participating in the Ohio EAS should have systems configured at all times to air the EAS message crawler as well as audio during EAS messages. All participating stations and cable systems are encouraged to purchase EAS equipment with multiple monitoring capabilities. This should include as a minimum the ability to monitor two over-the-air broadcast stations plus a NOAA weather radio station. LP-1 and LP-2 station equipment should also allow for the telephone interface of notifiers' encoders or the interface of existing remote pickup unit

equipment, if appropriate. Local Primary stations should pay particular attention to their multiple monitoring responsibilities when selecting EAS equipment.

H. All participating stations and cable systems should assign a permanent input on their master control console to receive program audio from the LP station, State Relay station, or other assigned source as shown in the program relay network chart, Attachment III.

XIV. TEST PROCEDURES

A. EAS weekly tests of the EAS header and end-of-message codes must be conducted by all stations and cable systems in accordance with FCC Rules. This is known as the Required Weekly Test (RWT).

B. Monthly tests will originate from Ohio’s 24 Local Primary (LP) stations on the following schedule. These tests will be conducted in accordance with the FCC Rules and Regulations. State and local area tests must be re-transmitted within 60 minutes of receipt by all participating EAS stations and cable systems. Additional information and schedules on monthly local area tests (RMT) can be found in your Local Operational Area EAS Plan.

MONTH	TIME FRAME	STATION	ORIGINATING SOURCE
January	Daytime / 8:30 AM to Local Sunset	LP-1	Station Staff or County EOC
February	Nighttime / Local Sunset to 8:30 AM	LP-2	Station Staff or County EOC
March	Daytime / Statewide Tornado Test	SP	State EOC/JDF Staff
April	Nighttime / Local Sunset to 8:30 AM	LP-1	Station Staff or County EOC
May	Daytime / 8:30 AM to Local Sunset	LP-2	Station Staff or County EOC
June	Nighttime / Local Sunset to 8:30 AM	LP-2	Station Staff or County EOC
July	Daytime / 8:30 AM to Local Sunset	LP-1	Station Staff or County EOC
August	Nighttime / Local Sunset to 8:30 AM	LP-1	Station Staff or County EOC
September	Daytime / 8:30 AM to Local Sunset	LP-2	Station Staff or County EOC
October	Nighttime / Local Sunset to 8:30 AM	SP	State EOC/JDF Staff
November	Daytime / 8:30 AM to Local Sunset	LP-1	Station Staff or County EOC
December	Nighttime / Local Sunset to 8:30 AM	LP-2	Station Staff or County EOC

C. Statewide EAS tests will be conducted twice each year and will count as the required monthly test for the month in which it runs. One of these tests will take place as part of the Ohio “Severe Weather Awareness Week” activities, held in March of each year. This test will be

conducted on a Wednesday in March at 9:50 A.M. A second statewide EAS test will be conducted in October at 4:50 A.M. Statewide EAS tests will be originated by the Ohio EMA from the State Emergency Operations Center/Joint Dispatch Facility (EOC/JDF). This facility will serve as the State EAS primary notification point during an actual emergency.

D. The following script will be used for statewide tests:

“THIS IS A STATEWIDE TEST OF THE OHIO EMERGENCY ALERT SYSTEM, ORIGINATING FROM THE STATE EMERGENCY OPERATIONS CENTER IN COLUMBUS. THIS IS ONLY A TEST. THE OHIO EMERGENCY ALERT SYSTEM HAS BEEN DESIGNED TO PROVIDE THE PUBLIC WITH TIMELY WARNINGS AND EMERGENCY INFORMATION. HAD THIS BEEN AN ACTUAL EMERGENCY, YOU WOULD HAVE RECEIVED INSTRUCTIONS AND INFORMATION RELATED TO THAT EMERGENCY OVER THIS AND OTHER STATIONS IN YOUR AREA. THIS CONCLUDES THIS TEST OF THE OHIO EMERGENCY ALERT SYSTEM.”

XV. STATE AND LOCAL EMERGENCY COMMUNICATIONS COMMITTEE

A. The State Emergency Communications Committee (SECC) Chairman, Vice Chairman and Cable Co-Chairman are appointed by the Federal Communications Commission (FCC). SECC members include the Chairman and Vice Chairman of the 12 Local Operational Areas, the Cable Co-Chairman and other voluntary members appointed by the SECC Chairman.

B. The Local Operational Area Emergency Communications Committee (LECC) Chairmen and Vice Chairmen are appointed by the State Emergency Communications Committee Chairman. The LECCs are also subcommittees of the SECC and all LECC Chairmen and Vice Chairmen are members of the SECC.

C. Your SECC and LECC Chairman and Vice Chairman welcome your questions and comments concerning this plan. A complete listing of the SECC and LECC Chairmen and Vice Chairmen is found in Attachment VI.

XV. ACRONYMS

EAS	Emergency Alert System
EMA	Emergency Management Agency
EOC	Emergency Operations Center
FCC	Federal Communications Commission
LP-1	Local Primary Station
LP-2	Local Primary Station, alternate
LP-3	Local Primary Station, alternate, relay
LECC	Local Emergency Communications Committee
NOAA	National Oceanic and Atmospheric Administration
NWS	National Weather Service
RPU	Remote Pickup Unit
SAME	Specific Area Message Encoder
SECC	State Emergency Communications Committee
EOC/JDF	Emergency Operations Center/Joint Dispatch Facility

LP STATION DECODER										
PROGRAMMING CHART										
LP Stations	WRVF	WIOT	WCKY	WIMT	WKXA	WVNO	WNCO	WDFM		
COUNTIES										
ALLEN				X	X			X		
ASHLAND						X	X			
AUGLAIZE				X	X			X		
CHAMPAIGN				X						
CLARK				X						
COSHOCTON						X	X			
CRAWFORD	X	X	X		X	X	X			
CUYAHOGA							X			
DARKE				X						
DEFIANCE	X	X		X	X			X		
DELAWARE						X	X			
ERIE	X	X	X			X	X			
FRANKLIN						X				
FULTON	X	X						X		
HANCOCK	X	X	X	X	X	X		X		
HARDIN	X	X	X	X	X	X				
HENRY	X	X	X	X	X			X		
HOLMES						X	X			
HURON	X	X	X			X	X			
KNOX						X	X			
LICKING						X	X			
LORAIN						X	X			
LOGAN				X	X					
LUCAS	X	X	X					X		
MARION			X	X	X	X	X			
MEDINA						X	X	X		
MERCER				X						
MIAMI				X						
MONTGOMERY				X						
MORROW			X			X	X			
OTTAWA	X	X	X							
PAULDING	X	X		X				X		
PUTNAM	X	X	X	X	X			X		
RICHLAND			X			X	X			
SANDUSKY	X	X	X		X	X	X			
SENECA	X	X	X	X	X	X	X			
SHELBY				X						
UNION			X	X	X	X	X			
VAN WERT				X				X		
WAYNE						X	X			
WILLIAMS	X	X						X		
WOOD	X	X	X	X	X			X		
WYANDOT	X	X	X	X	X	X	X			

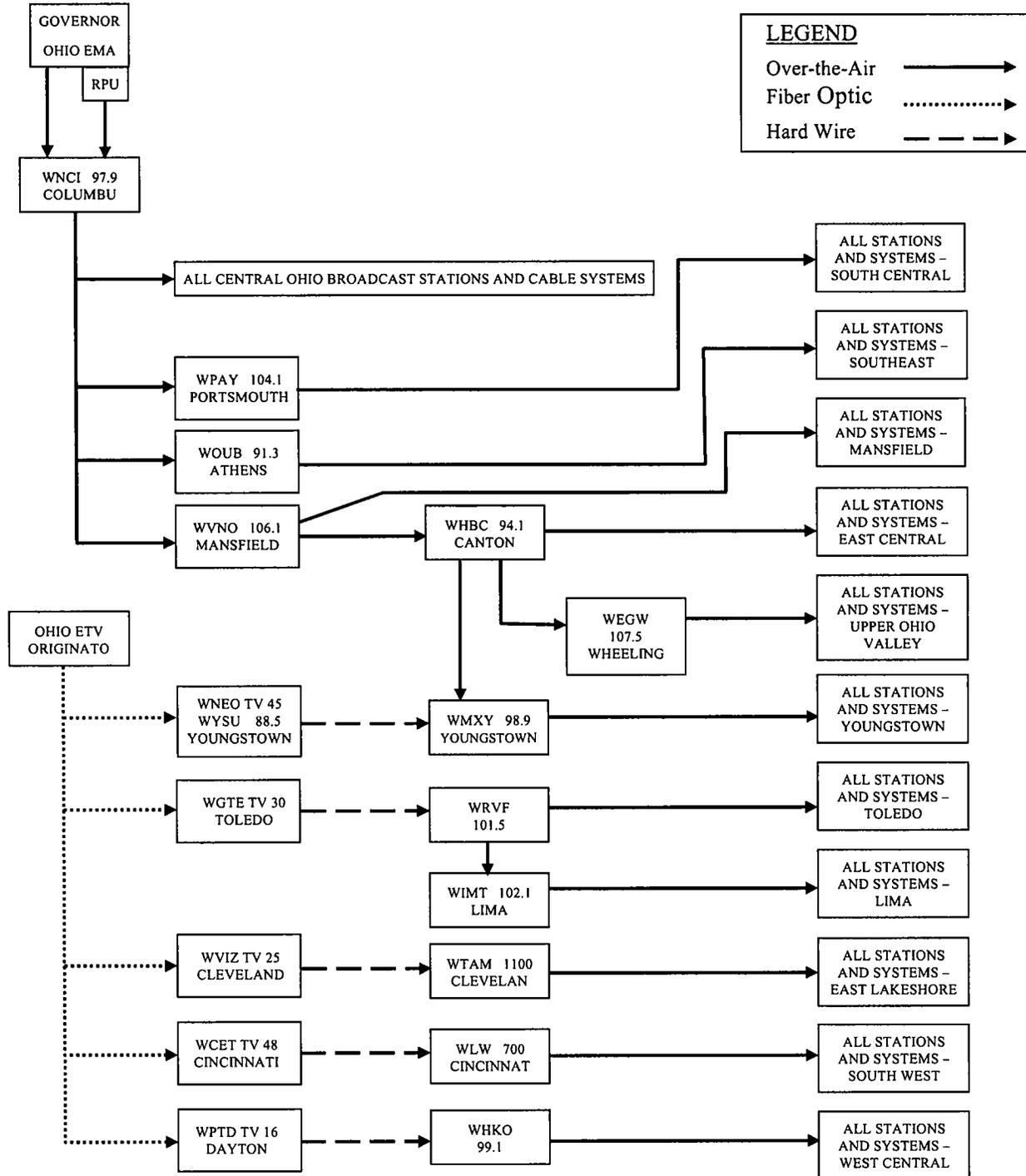
LP STATION DECODER PROGRAMMING CHART										
LP Stations	WTAM	WCPN	WHBC	WQMX	WXMY	WYSU	WEGW	WBNV	WOUC	
COUNTIES										
ASHLAND	X	X	X	X						
ASHTABULA	X	X			X	X				
BELMONT			X	X			X	X	X	
CARROLL	X		X	X	X	X	X			
COLUMBIANA	X		X	X	X	X	X			
COSHOCTON	X		X							
CRAWFORD	X	X								
CUYAHOGA	X	X	X	X						
ERIE	X	X								
GEAUGA	X	X	X	X	X	X				
GUERNSEY	X		X				X	X	X	
HARRISON	X		X	X	X	X	X	X	X	
HOLMES	X	X	X	X						
HURON	X	X								
JEFFERSON	X		X		X	X	X	X		
KNOX	X		X							
LAKE	X	X		X						
LICKING			X							
LORAIN	X	X		X						
MAHONING	X		X	X	X	X				
MEDINA	X	X	X	X						
MONROE							X	X	X	
MORGAN							X		X	
MUSKINGUM			X							
NOBLE			X				X	X	X	
OTTAWA	X	X								
PORTAGE	X	X	X	X	X	X				
RICHLAND	X	X								
SANDUSKY	X	X								
SENECA	X	X								
STARK	X	X	X	X	X	X				
SUMMIT	X	X	X	X						
TRUMBULL	X	X	X	X	X	X				
TUSCARAWAS	X		X	X			X		X	
WASHINGTON							X	X	X	
WAYNE	X	X	X	X						

LP STATION DECODER												
PROGRAMMING CHART												
LP Stations	WHKO	WTUE	WLW	WRRM	WAOL	WDPT						
COUNTIES												
ADAMS			X		X							
ALLEN			X									
AUGLAIZE	X		X									
BROWN			X	X	X							
BUTLER	X	X	X	X								
CHAMPAIGN	X	X	X									
CLARK	X	X	X			X						
CLERMONT			X	X	X							
CLINTON	X	X	X	X		X						
DARKE	X	X	X									
DELAWARE			X									
FAIRFIELD			X									
FAYETTE	X	X	X			X						
FRANKLIN			X									
GREENE	X	X	X	X								
HAMILTON			X	X	X							
HANCOCK			X									
HARDIN	X		X									
HIGHLAND			X	X	X	X						
HOCKING			X									
JACKSON			X									
LAWRENCE			X									
LICKING			X									
LOGAN	X	X	X									
MADISON	X	X	X			X						
MARION			X									
MERCER	X		X									
MIAMI	X	X	X			X						
MONTGOMERY	X	X	X	X		X						
MORROW			X									
PAULDING			X									
PICKAWAY			X									
PIKE			X									
PREBLE	X	X	X	X								
PUTNAM			X									
ROSS			X									
SCIOTO			X									
SHELBY	X	X	X									
UNION	X	X	X									
VAN WERT			X									
VINTON			X									
WARREN	X	X	X	X		X						
WYANDOT			X									

LP STATION DECODER PROGRAMMING CHART												
LP Stations	WNCI	WLVQ	WPAY	WKKJ	WXTQ	WOUB	OH EMA	WHIZ				
COUNTIES												
ADAMS			X	X								
ATHENS	X	X	X	X	X	X	X	X				
BROWN			X	X								
CHAMPAIGN	X	X					X					
CLARK	X	X					X					
CLINTON	X	X	X				X					
COSHOCTON	X	X					X	X				
CRAWFORD	X											
DELAWARE	X	X		X			X					
FAIRFIELD	X	X	X	X	X	X	X	X				
FAYETTE	X	X	X	X			X					
FRANKLIN	X	X		X			X					
GALLIA			X	X	X	X						
GREENE	X	X					X					
GUERNSEY	X	X					X	X				
HARDIN	X	X					X					
HIGHLAND	X	X	X	X			X					
HOCKING	X	X	X	X	X	X	X	X				
HOLMES								X				
JACKSON	X		X	X	X	X						
KNOX	X	X					X	X				
LAWRENCE			X	X	X	X						
LICKING	X	X		X			X	X				
LOGAN	X	X					X					
MADISON	X	X		X			X					
MARION	X	X					X					
MEIGS			X	X	X	X						
MONROE					X	X		X				
MORGAN	X	X			X	X	X	X				
MORROW	X	X					X					
MUSKINGUM	X	X			X	X	X	X				
NOBLE	X	X			X	X	X	X				
PERRY	X	X			X	X	X	X				
PICKAWAY	X	X	X	X			X					
PIKE	X		X	X								
RICHLAND	X											
ROSS	X	X	X	X		X	X					
SCIOTO			X	X								
TUSCARAWAS								X				
UNION	X	X		X			X					
VINTON	X	X	X	X	X	X	X	X				
WASHINGTON					X	X		X				
WYANDOT	X											

ATTACHMENT III

EMERGENCY PROGRAM RELAY NETWORK



ATTACHMENT IV
NOAA WEATHER STATIONS SERVING OHIO COUNTIES

The following is a listing of all NOAA weather station outlets serving Ohio points along with the counties for which SAME encoded warnings will be carried. Warnings for some counties are carried on more than one station:

City, Call Sign, Radar Site, Frequency

Akron, KDO-94, CLE, 162.40, Counties: Ashland, Carroll, Columbiana, Harrison, Holmes, Jefferson, Mahoning, Medina, Portage, Summit, Trumbull, Tuscarawas, Wayne, Stark

Angola, IN, KXI-94, IWX, 162.425, Counties: Defiance, Fulton, Williams

Ashland, KY, KIH-39, RLX, 162.55, Counties: Lawrence, Scioto, Gallia

Athens, KZZ-46, RLX, 162.425, Counties: Athens, Gallia, Hocking, Jackson, Meigs, Morgan, Perry, Vinton, Washington

Bridgeport, WWF-35, PBZ, 162.525, Counties: Belmont, Carroll, Columbiana, Coshocton, Guernsey, Harrison, Jefferson, Monroe, Morgan, Muskingum, Noble, Perry, Tuscarawas, Washington

Cambridge, (High Hill) WXJ-47, PBZ, 162.475, Counties: Belmont, Carroll, Coshocton, Guernsey, Harrison, Jefferson, Licking, Monroe, Morgan, Muskingum, Noble, Perry, Tuscarawas, Washington

Carey-KZZ47, CLE, 162.525, Counties: Crawford, Hancock, Hardin, Marion, Seneca, Wyandot

Castalia, KHB-97, CLE, 162.40, Counties: Ashland, Crawford, Erie, Hancock, Huron, Lorain, Ottawa, Richland, Sandusky, Seneca, Wood, Wyandot

Chesterland, KHB-59, CLE, 162.55, Counties: Ashtabula, Cuyahoga, Erie, Geauga, Huron, Lake, Lorain, Medina, Portage, Summit

Columbus, KIG-86, ILN, 162.55, Counties: Athens, Champaign, Clark, Delaware, Fairfield, Fayette, Franklin, Greene, Hocking, Knox, Licking, Madison, Marion, Morgan, Morrow, Muskingum, Perry, Pickaway, Pike, Ross, Union, Vinton

Covington, KY, KIH-42, RLX, 162.55, Counties: Butler, Warren, Clermont, Brown, Clinton, Hamilton, Highland

Erie, PA, KEC-58, CLE, 162.40, Counties: Ashtabula

Ft. Wayne, IN, WXJ-58, IWX, 162.55, Counties: Defiance, Paulding, Van Wert

Holland, WXL-51, CLE, 162.55, Counties: Fulton, Hancock, Henry, Lucas, Ottawa, Sandusky, Seneca, Wood
Warnings for Defiance and Williams Counties will be aired for the purpose of relay to the EAS.

Lima, WXJ-93, ILN, 162.40, Counties: Allen, Auglaize, Hancock, Hardin, Logan, Mercer, Paulding, Putnam, Shelby, Van Wert, Wyandot

Mansfield: WWG-57, CLE, 162.450, Counties: Ashland, Crawford, Holmes, Knox, Licking, Marion, Morrow, Richland, Wayne, Wyandot

Mayesville, KY, KZZ-49, ILN, 162.425, Counties: Adams, Brown

Meadville, PA, KZZ-32, CLE, 162-475, Counties: Ashtabula, Trumbull

Miamisburg, WXJ-46, ILN, 162.475, Counties: Butler, Champaign, Clark, Clinton, Darke, Greene, Logan, Miami, Montgomery, Preble, Shelby, Warren

Otway, WXM-69, ILN, 162.525, Counties: Adams, Brown, Highland, Pike, Ross, Scioto, Vinton

Pittsburgh, PA, KEH-35, PBZ, 162.55, Counties: Columbiana

Richmond, IN, KHB-52, 162.50, Counties: Butler Darke, Montgomery, Preble

Youngstown, WWG-56, CLE, 162.500, Counties: Carroll, Columbiana, Lawrence, Mahoning, Portage, Stark, Trumbull

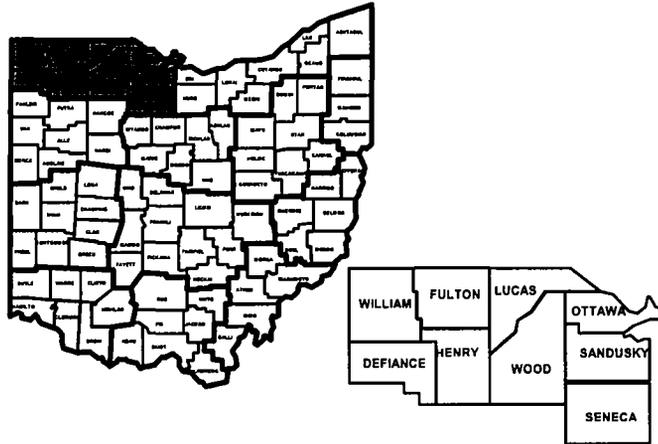
Ohio

EAS Operational Areas



NORTHWEST OHIO OPERATIONAL AREA

Attachment V



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
	<u>AM</u>	
WQCT Bryan	1520	Participating
WCWA Toledo	1230	Participating
WFOB Fostoria	1430	Participating
WFRO Fremont	900	Participating
WJYM Bowling Green	730	Participating
WTOD Toledo	1560	Participating
WLQR Toledo	1470	Participating
WONW Defiance	1280	Participating
WSPD Toledo	1370	Participating
WTTF Tiffin	1600	Participating
WDMN Toledo	1520	Participating
	<u>FM</u>	
WPFX North Baltimore	107.7	Participating
WZOM Defiance	105.7	Participating
WJZE Oak Harbor	97.3	Participating
WBCY Archbold	89.5	Participating
WHVT Clyde	90.5	Participating
WXTS Toledo	88.3	Participating
WBGU Bowling Green	88.1	Participating
WDFM Defiance	98.1	Local Primary-3
WBVI Fostoria	96.7	Participating
WFRO Fremont	99.1	Participating
WGTE Toledo	91.3	Participating
WHEI Tiffin	88.9	Participating
WMTR Archbold	96.1	Participating
WIOT Toledo	104.7	Local Primary-2
WKKO Toledo	99.9	Participating
WRVF Toledo	101.5	State Relay/Local Primary-1
WVKS Toledo	92.5	Participating
WJUC Swanton	107.3	Participating
WXUT Toledo	88.3	Participating

NORTHWEST OHIO OPERATIONAL AREA

Attachment V

FM

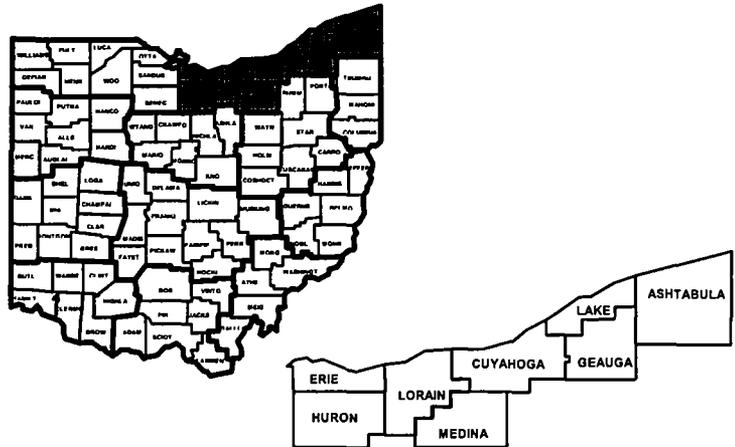
WXQQ Wauseon	96.9	Participating
WFJZ Hicksville	106.7	Participating
WGDE Defiance	91.9	Participating
WNDH Napoleon	103.1	Participating
WXXR Port Clinton	94.5	Participating
WPOS Holland	102.3	Participating
WBNO Bryan	100.9	Participating
WRQN Bowling Green	93.5	Participating
WCKY Tiffin	103.7	Local Primary-3
WWWM Sylvania	105.5	Participating
WIMX Gibsonburg	95.7	Participating
WTOL Toledo	90.3	Participating
WLZZ Montpelier	104.5	Participating
WMJK Clyde	100.9	Participating
WNRB Bellevue	92.1	Participating
WYSZ Maumee	89.3	Participating
WRWK Delta	106.5	Participating
WYSA Wauseon	88.5	Participating
WGBE Bryan	90.9	Participating

TV

WBGU Bowling Green	CH 27	Participating
WGTE Toledo	CH 30	State Relay
WNWO Toledo	CH 24	Participating
WTOL Toledo	CH 11	Participating
WTVG Toledo	CH 13	Participating
WUPW Toledo	CH 36	Participating
WLMB Toledo	CH 40	Participating

Cable TV

Adelphia Cable Communications	Participating
Americable USA	Participating
Buckeye Cablevision	Participating
Fremont Cablevision	Participating
Time Warner Cable	Participating

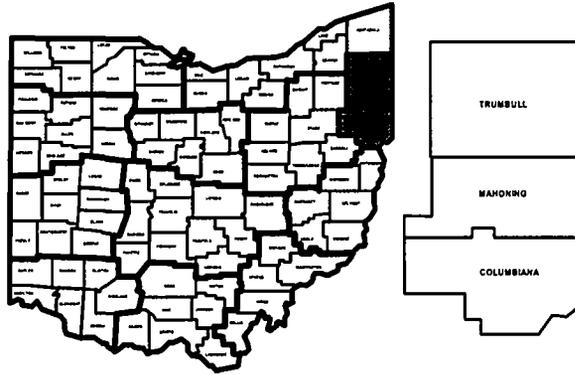


<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
	<u>AM</u>	
WABQ Cleveland	1540	Participating
WMMK Cleveland	1260	Participating
WBKC Painesville	1460	Participating
WATJ Chardon	1560	Participating
WELW Willoughby	1330	Participating
WEOL Elyria	930	Participating
WERE Cleveland	1300	Participating
WFUN Ashtabula	970	Participating
WHK Cleveland	1220	Participating
WRMR Cleveland	1420	Participating
WJMO Cleveland Heights	1490	Participating
WJTJ North Ridgeville	1040	Participating
WLEC Sandusky	1450	Participating
WVAC Norwalk	1510	Participating
WOBL Oberlin	1320	Participating
WDLW Lorain	1380	Participating
WKNR Cleveland	850	Participating
WCCD Parma	1000	Non-Participating
WWOW Conneaut	1360	Participating
WTAM Cleveland	1100	National Primary/ Local Primary-1/BSPP
	<u>FM</u>	
WNWV Elyria	107.3	Participating
WFHM Cleveland	95.5	Participating
WCPZ Sandusky	102.7	Participating
WCRF Cleveland	103.3	Participating
WKFM Huron	96.1	Participating
WFXJ North Kingsville	107.5	Participating
WLRD Willard	96.9	Participating
WENZ Cleveland	107.9	Participating
WDOK Cleveland	102.1	Participating
WGAR Cleveland	99.5	Participating
WQAL Cleveland	104.1	Participating

<u>FM</u>		
WGGN Castalia	97.7	Participating
WLKR Norwalk	95.3	Participating
WMVX Cleveland	106.5	Participating
WZAK Cleveland	93.1	Participating
WMJI Cleveland	105.7	Participating
WMMS Cleveland	100.7	Participating
WNCX Cleveland	98.5	Participating
WREO Ashtabula	97.1	Participating
WXTM Cleveland Heights	92.3	Participating
WCLV Lorain	104.9	Participating
WOBC Oberlin	91.5	Participating
WGOJ Conneaut	105.5	Participating
WNZN Lorain	89.1	Participating
WVMS Sandusky	89.5	Participating
WCVJ Jefferson	90.9	Participating
WCSB Cleveland	89.3	Participating
WCPN Cleveland	90.3	Local Primary-2
WBWC Berea	88.3	Participating
WRUW Cleveland	91.1	Participating
WJCU University Heights	88.7	Participating
WZOO Edgewood	102.5	Participating
WKKY Geneva	104.7	Non-participating
WKSV Thompson	89.1	Local Primary-3

<u>TV</u>		
WEWS Cleveland	CH 5/15	Participating
WJW Cleveland	CH 8/31	Participating
WKYC Cleveland	CH 3/2	Participating
WVIZ Cleveland	CH 25/26	State Relay
WUAB Lorain	CH 43/28	Participating
WQHS Cleveland	CH 19/10	Participating
WGGN Sandusky	CH 52/42	Participating
WIVM Brecksville	CH 10	Participating

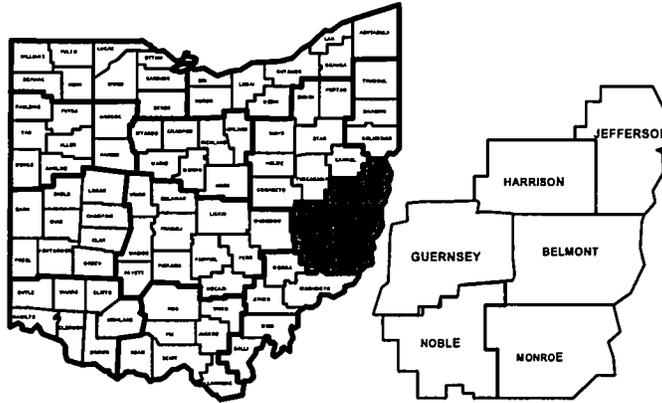
<u>Cable TV</u>		
Adelphia Cable Communications		Participating
Armstrong Cable Services		Participating
AT&T Broadband		Participating
Cable Co-Op		Participating
Classic Cable		Participating
Cox Communications		Participating
East Cleveland Cable		Participating
Erie County Cablevision, Inc.		Participating
Grafton Cable Communications, Inc.		Participating
Orwell Cable Television		Participating
Time Warner Cable		Participating
Wellington Cable Communications		Participating



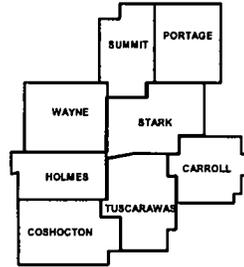
<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WBBW Youngstown	1240	Participating
WNIO Youngstown	1390	Participating
WGFT Youngstown	1500	Participating
WASN Campbell	1330	Participating
WKBN Youngstown	570	Participating
WKTX Cortland	830	Participating
WRTK Niles	1540	Participating
WOHI East Liverpool	1490	Participating
WANR Warren	1570	Participating
WHKW Warren	1440	Participating
WSOM Salem	600	Participating
<u>FM</u>		
WOGF East Liverpool	104.3	Participating
WHOT Youngstown	101.1	Participating
WMXY Youngstown	98.9	Local Primary-1
WKTL Struthers	90.7	Participating
WNCD Youngstown	93.3	Participating
WQXK Salem	105.1	Participating
WYSU Youngstown	88.5	State Relay/Local Primary 2
WBBG Niles	106.1	Participating
WRBP Hubbard	101.9	Participating
WYTN Youngstown	91.7	Participating
<u>TV</u>		
WFMJ Youngstown	CH 21/20	Participating
WKBN Youngstown	CH 27/42	Participating
WYTV Youngstown	CH 33/36	Participating
WYFX Youngstown	CH 62/17	Participating
<u>Cable TV</u>		
Armstrong Cable		Participating
AT&T Broadband		Participating
Classic Cable		Participating
Time Warner Cable		Participating

UPPER OHIO VALLEY OPERATIONAL AREA

Attachment V



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WDIG Steubenville	950	Participating
WOMP Bellaire	1290	Participating
WSTV Steubenville	1340	Participating
WILE Cambridge	1270	Participating
<u>FM</u>		
WWKC Caldwell	104.9	Participating
WOMP Bellaire	100.5	Participating
WCDK Cadiz	106.3	Participating
WBNV Barnesville	93.5	Local Primary-2
WEEL Shadyside	95.7	Participating
WEGW Wheeling, WV	107.5	Local Primary-1
WBJV Steubenville	88.9	Participating
WOUC Cambridge	89.1	Local Primary-3
WILE Barnesville	97.7	Participating
WCMJ Cambridge	96.7	Participating
WBIK Pleasant City	92.1	Participating
<u>TV</u>		
WTOV Steubenville	CH 9	Participating
WOUC Cambridge	CH 44	Participating
<u>Cable TV</u>		
Adelphia Cable Communications		Participating
AT&T Broadband		Participating
Cable One		Participating
Cablevision Communications		Participating
Classic Cable		Participating
Jefferson County Cable		Participating
Richards Cable TV Company, Inc.		Participating
Time Warner Communications		Participating



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WAKR Akron	1590	Participating
WBTC Uhrichsville	1540	Participating
WCUE Cuyahoga Falls	1150	Participating
WDPN Alliance	1310	Participating
WTIG Massilon	990	Participating
WHBC Canton	1480	Participating
WHLO Akron	640	Participating
WINW Canton	1520	Participating
WJER Dover/New Philadelphia	1450	Participating
WJMP Kent	1520	Participating
WRCW Canton	1060	Participating
WTOU Akron	1350	Participating
WTNS Coshocton	1560	Participating
WCER Canton	900	Participating
WKVX Wooster	960	Participating
<u>FM</u>		
WKRJ New Philadelphia	91.5	Participating
WTUZ Uhrichsville	99.9	Participating
WKRW Wooster	89.3	Participating
WKLM Millersburg	95.3	Participating
WZIP Akron	88.1	Participating
WCWS Wooster	90.9	Participating
WZKL Alliance	92.5	Participating
WHBC Canton	94.1	Local Primary-1/State Relay
WJER Dover	101.7	Participating
WAKS Akron	96.5	Participating
WKSU Kent	89.7	Participating
WNHS New Comerstown	105.7	Participating
WNIR Kent	100.1	Participating

EAST CENTRAL OHIO OPERATIONAL AREA

Attachment V

FM

WNPQ New Philadelphia	95.9	Participating
WONE Akron	97.5	Participating
WQKT Wooster	104.5	Participating
WRMU Alliance	91.1	Participating
WRQK Canton	106.9	Participating
WSTB Streetsboro	88.9	Participating
WTNS Coshocton	99.3	Participating
WKDD Canton	98.1	Participating
WAPS Akron	91.3	Participating
WOSE Coshocton	91.1	Participating
WQMX Medina	94.9	Local Primary-2
WOFN Beach City	88.7	Participating
WVML Millersburg	90.5	Participating

TV

WVPX Akron	CH 23/59	Participating
WBNX Akron	CH 55/30	Participating
WDLI Canton	CH 17/39	Participating
WEAO Akron	CH 49/50	Participating
WNEO Alliance	CH 45/46	State Relay
WOAC Canton	CH 67/47	Participating
WAOH Akron	CH 29	Participating
WAKN Akron	CH 11	Participating
WIVM Canton	CH 52	Participating

Cable TV

Adelphia Cable Communications	Participating
Armstrong Cable Services	Participating
AT&T Broadband	Participating
Cable One	Participating
Cablevision Communications	Participating
Classic Cable	Participating
Clear Picture, Inc.	Participating
Massillon Cable TV	Participating
Time Warner Cable	Participating



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WATH Athens	970	Participating
WBRJ Marietta	910	Participating
WJEH Gallipolis	990	Participating
WMOA Marietta	1490	Participating
WMPO Middleport/Pomeroy	1390	Participating
WOUB Athens	1340	Participating
WAIS Buchtel	770	Participating
<u>FM</u>		
WCMO Marietta	98.5	Participating
WSEO Nelsonville	107.7	Participating
WRVB Marietta	102.1	Participating
WYVK Middleport	92.1	Participating
WOUB Athens	91.3	Local Primary-1
WXTQ Athens	105.5	Local Primary-2
WRYV Gallipolis	101.5	Participating
WCVV Belpre	89.5	Participating
WMRT Marietta	88.3	Participating
WNUS Belpre	107.1	Participating
WMBP Belpre	91.9	Participating
WJAW McConnellsville	100.9	Participating
WJKW Athens	95.9	Participating
WVVP Marietta	86.1	Participating
WVVW Belpre	98.1	Participating

WOUB Athens
WJOS Pomeroy

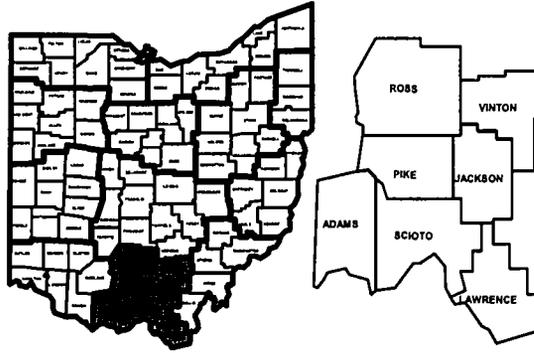
CH 20/27
CH 27

Participating
Participating

Cable TV

Adelphia Cable Communications
Cablevision Communications
Charter Communications
Lowell Community Cable TV
Nelsonville Cable TV
Riley Video Services
Time Warner Cable

Participating
Participating
Participating
Participating
Participating
Participating
Participating



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WBEX Chillicothe	1490	Participating
WCHI Chillicothe	1350	Participating
WIOI New Boston	1010	Participating
WIRO Ironton	1230	Participating
WYPC Wellston	1330	Participating
WNXT Portsmouth	1260	Participating
WPAY Portsmouth	1400	Participating
WXIC Waverly	660	Participating
<u>FM</u>		
WXZQ Piketon	100.1	Participating
WOSP Portsmouth	91.5	Participating
WOHC Chillicothe	90.1	Participating
WRAC West Union	103.1	Participating
WMEJ Proctorville	91.9	Participating
WVXC Chillicothe	89.3	Participating
WFCB Chillicothe	93.3	Local Primary-2
WCJO Jackson	97.7	Participating
WKKJ Chillicothe	94.3	Participating
WRAU South Webster	94.9	Participating
WKOV Wellston	96.7	Participating
WNXT Portsmouth	99.3	Participating
WPAY Portsmouth	104.1	Local Primary-1
WBKS Ironton	107.1	Participating
WVXW West Union	89.5	Participating
WXIZ Waverly	100.9	Participating
WOUL Ironton	89.1	Participating
WOUH Chillicothe	91.9	Participating
WBVB Coal Grove	97.1	Participating
WYRO McArthur	98.7	Participating
WOHP Portsmouth	88.3	Participating
WAGX Manchester	101.3	Participating
WAJB Wellston	92.5	Participating

SOUTH CENTRAL OHIO OPERATIONAL AREA

Attachment V

FM

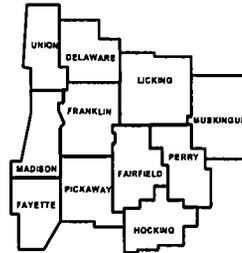
WKHR Bainbridge	91.5	Participating
WAJB Wellston	92.5	Participating
WHRR Portsmouth	96.1	Participating
WUHS West Union	96.9	Participating
WSLN Delaware	98.7	Participating
WZZZ Portsmouth	107.5	Participating

TV

WPBO Portsmouth	CH 42/43	Participating
WWHO Chillicothe	CH 53/46	Participating
WHCP Portsmouth	CH 30/17	Participating

Cable TV

Adelphia Cable Communications		Participating
Armstrong Cable Services		Participating
Time Warner Cable		Participating



STATION

FREQUENCY

EAS DESIGNATION

AM

WBNS Columbus	1460	Participating
WKSI Washington Courthouse	1250	Participating
WCLT Newark	1430	Participating
WZNW Columbus	1230	Participating
WDLR Delaware	1550	Participating
WHIZ Zanesville	1240	Participating
WHTH Heath	790	Participating
WLGN Logan	1510	Participating
WLOH Lancaster	1320	Participating
WMNI Columbus	920	Participating
WOSU Columbus	820	Participating
WRFD Columbus	880	Participating
WTVN Columbus	610	Participating
WVCO Columbus	1580	Participating
WUCO Marysville	1270	Participating

FM

WOUZ Zanesville	90.1	Participating
WBNS Columbus	97.1	Participating
WCBE Columbus	90.5	Participating
WCHO Washington Courthouse	105.5	Participating
WJYD London	106.3	Participating
WCLT Newark	100.3	Participating
WCVO Gahanna	104.9	Participating
WHIZ Zanesville	102.5	Local Primary-3
WHOK Lancaster	95.5	Participating
WLGN Logan	98.3	Participating
WLVQ Columbus	96.3	State Primary-2/Local Primary-2
WNCI Columbus	97.9	State Primary-1/Local Primary-1
WWBK Fredericktown	98.3	Participating
WJHE Heath	98.7	Participating

CENTRAL OHIO OPERATIONAL AREA

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FM

WINF Delaware	101.9	Participating
WFJX Hilliard	105.7	Participating
WWJM New Lexington	105.9	Participating
WCYC London	105.1	Participating
WLHE Lancaster	104.5	Participating
WJIC Zanesville	91.7	Participating
WNKO Newark	101.7	Participating
WAZU Circleville	107.1	Participating
WOSU Columbus	89.7	Participating
WBZX Columbus	99.7	Participating
WSNY Columbus	94.7	Participating
WCOL Columbus	92.3	Participating
WWCD Grove City	101.1	Participating
WOBN Westerville	101.5	Participating
WCVZ Zanesville	92.7	Participating
WFCO Lancaster	90.9	Participating
WMCO New Concord	90.7	Participating
WSMZ Johnstown	103.1	Participating
WWJM New Lexington	106.3	Participating
WXMG Upper Arlington	98.9	Participating
WDUB Granville	91.1	Non-participating
WYBZ Crooksville	107.3	Participating
WDOB Delaware	107.9	Participating
WJZA Lancaster	103.5	Participating
WCKX Columbus	107.5	Participating
WJZK Richwood	104.3	Participating
WLRY Rushville	88.5	Participating
WUFM Columbus	88.7	Participating
WOSB Marion	91.1	Participating

TV

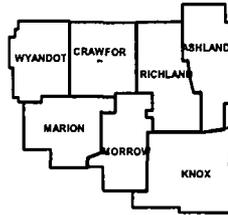
WBNS Columbus	CH 10/21	Participating
WCMH Columbus	CH 4/14	Participating
WHIZ Zanesville	CH 18/40	Participating
WOSU Columbus	CH 34/38	State Relay
WSFJ Newark	CH 51/24	Participating
WTTE Columbus	CH 28/36	Participating
WSYX Columbus	CH 6/13	Participating
WDEM Columbus	CH 17	Participating
WINJ Columbus	CH 8	Participating
WCLL Columbus	CH 19	Participating
WCPX Columbus	CH 48	Participating
WXCB Delaware	CH 56	Participating

Cable TV

Adelphia Cable Communications	Participating
Cablevision Communications	Participating
Insight Communications	Participating
Nelsonville Cable TV	Participating
Time Warner Cable	Participating
Wide Open West	Participating

NORTH CENTRAL OHIO OPERATIONAL AREA

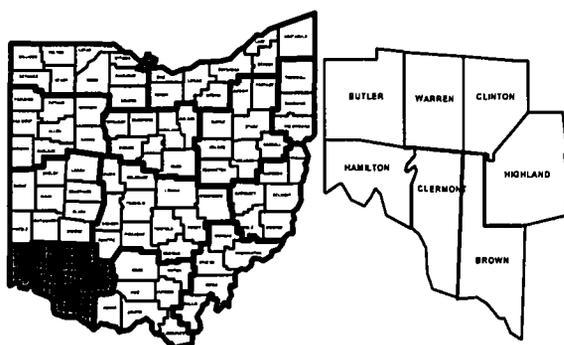
Attachment V



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WBCO Bucyrus	1540	Participating
WMAN Mansfield	1400	Participating
WMVO Mount Vernon	1300	Participating
WNCO Ashland	1340	Participating
WRGM Ontario	1440	Participating
WMRN Marion	1490	Participating
<u>FM</u>		
WMRN Marion	106.9	Participating
WQEL Bucyrus	92.7	Participating
WYHT Mansfield	105.3	Participating
WQIO Mount Vernon	93.7	Participating
WYHT Upper Sandusky	95.9	Participating
WNCO Ashland	101.3	Local Primary-2
WFXN Galion	102.3	Participating
WRDL Ashland	88.9	Participating
WXML Upper Sandusky	90.1	Participating
WSWR Shelby	100.1	Participating
WVNO Mansfield	106.1	State Relay/Local Primary-1
WYXZ Crestline	98.7	Participating
WWBK Fredericktown	98.3	Participating
WNZR Mount Vernon	90.9	Participating
WKCO Gambier	91.9	Participating
WBZW Loudonville	107.7	Participating
WOSV Mansfield	91.7	Participating
WVXG Mount Gilead	95.1	Participating
WDIF Marion	94.3	Participating
WAUI Shelby	88.3	Participating
WVMC Mansfield	90.7	Participating
WNCG Mansfield	95.7	Participating
<u>TV</u>		
WMFD Mansfield	CH 68/12	Participating
WBKA Bucyrus	CH 22	Participating
WOCB Marion	CH 39	Participating
WOHZ Mansfield	CH 50	Participating
<u>Cable TV</u>		
Armstrong Cable Service		Participating
Time Warner Cable		Participating

SOUTHWEST OHIO OPERATIONAL AREA

Attachment V



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WCIN Cincinnati	1480	Participating
WSAI Cincinnati	1530	Participating
WCNW Fairfield	1560	Participating
WDBZ Cincinnati	1230	Participating
WKFI Wilmington	1090	Participating
WKRC Cincinnati	550	Participating
WLW Cincinnati	700	Local Primary-1
WMOH Hamilton	1450	Participating
WCKY Cincinnati	1360	Participating
WPFB Middletown	910	Participating
WSRW Hillsboro	1590	Participating
WTSJ Cincinnati	1050	Participating
<u>FM</u>		
WAOL Ripley	99.5	Local Primary-3
WVNU Greenfield	97.5	Participating
WJVS Cincinnati	88.3	Non-participating
WAKW Cincinnati	93.3	Participating
WYGY Lebanon	96.5	Participating
WGRR Hamilton	103.5	Participating
WEBN Cincinnati	102.7	Participating
WGUC Cincinnati	90.9	Participating
WKRQ Cincinnati	101.9	Participating
WMOJ Fairfield	94.9	Participating
WKFS Milford	107.1	Participating
WMUB Oxford	88.5	Participating
WVMX Cincinnati	94.1	Participating
WOXY Oxford	97.7	Participating
WPFB Middletown	105.9	Participating
WAIF Cincinnati	88.3	Participating
WMKV Reading	89.3	Participating
WYJC Delhi Hills	90.1	Participating

SOUTHWEST OHIO OPERATIONAL AREA

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FM

WRRM Cincinnati	98.5	Local Primary-2
WSRW Hillsboro	106.7	Participating
WSWO Wilmington	102.3	Participating
WUBE Cincinnati	105.1	Participating
WVXU Cincinnati	91.7	Participating
WOFX Cincinnati	92.5	Participating
WHSS Hamilton	89.5	Participating
WAXZ Georgetown	97.7	Participating
WLHS West Chester	89.9	Participating
WLMH Morrow	89.1	Participating
WNLH Harrison	104.3	Participating
WAQZ Lebanon	97.3	Participating
WOBO Batavia	88.7	Participating

TV

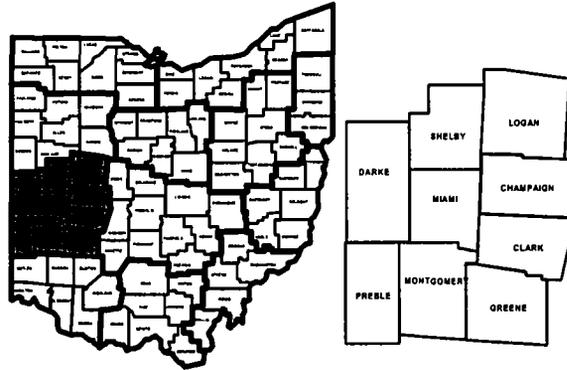
WCET Cincinnati	CH 48/34	State Relay
WCPO Cincinnati	CH 9/10	Participating
WSTR Cincinnati	CH 64/33	Participating
WKRC Cincinnati	CH 12/31	Participating
WLWT Cincinnati	CH 5/35	Participating
WPTO Oxford	CH 14/28	Participating
WXIX Cincinnati/Newport, KY	CH 19	Participating
WOTH Cincinnati	CH 35	Participating

Cable TV

Adelphia Cable Communications	Participating
Time Warner Cable	Participating
Wide Open West	Participating

WEST CENTRAL OHIO OPERATIONAL AREA

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<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
<u>AM</u>		
WULM Springfield	1600	Participating
WBZI Xenia	1500	Participating
WDAO Dayton	1210	Participating
WHIO Dayton	1290	Participating
WING Dayton	1410	Participating
WIZE Springfield	1340	Participating
WGNZ Fairbourne	1110	Participating
WBLB Bellefontaine	1390	Participating
WONE Dayton	980	Participating
WPTW Piqua	1570	Participating
WCTM Eaton	1130	Non-participating
<u>FM</u>		
WWSU Fairbourne	106.9	Participating
WDJO Greenville	106.5	Participating
WDHT Springfield	102.9	Participating
WDTP Xenia	95.3	Participating
WKSU Urbana	101.7	Participating
WEEC Springfield	100.7	Participating
WFCJ Miamisburg	93.7	Participating
WGTZ Eaton	92.9	Participating
WHKO Dayton	99.1	Local Primary-1
WMVR Sidney	105.5	Participating
WDPT Piqua	95.7	Local Primary-3
WTUE Dayton	104.7	Local Primary-2
WLQT Kettering	99.9	Participating
WMMX Dayton	107.7	Participating
WXEG Beaver creek	103.9	Participating
WCDR Cedarville	90.3	Participating
WTGR Union City	97.5	Participating
WCWT Centerville	101.5	Participating
WGXM Dayton	98.1	Participating

WEST CENTRAL OHIO OPERATIONAL AREA

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FM

WKET Kettering	98.3	Participating
WRPO Russells Point	93.5	Participating
WDEO Degraff	91.7	Participating
WCSU Wilberforce	88.9	Participating
WDPS Dayton	89.5	Participating
WDPR West Carrollton	88.1	Participating
WOKL Troy	96.9	Participating
WYSO Yellow Springs	91.3	Participating
WPKO Bellefontaine	98.3	Participating
WKDF Englewood	94.5	Participating
WRNB West Carrollton	92.1	Participating
WUSO Springfield	89.1	Participating
WQPR Dayton	89.5	Participating
WDPG Greenville	89.9	Participating

TV

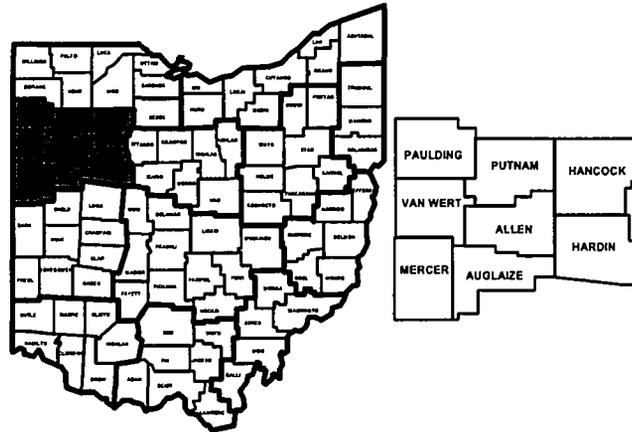
WDTN Dayton	CH 2/50	Participating
WHIO Dayton	CH 7/41	Participating
WKEF Dayton	CH 22/51	Participating
WPTD Dayton	CH 16/58	State Relay
WRGT Dayton	CH 45/30	Participating
WBDT Springfield	CH 26/18	Participating
WWRD Dayton	CH 55	Participating
WRCX Dayton	CH 51	Participating

Cable TV

Adelphia Cable Communications	Participating
Charter Communications	Participating
KAS Cable TV, Inc.	Participating
Time Warner Cable	Participating

LIMA OHIO OPERATONAL AREA

Attachment V



<u>STATION</u>	<u>FREQUENCY</u>	<u>EAS DESIGNATION</u>
	<u>AM</u>	
WLJM Lima	940	Participating
WERT Van Wert	1220	Participating
WFIN Findlay	1330	Participating
WIMA Lima	1150	Participating
WCSM Celina	1350	Participating
	<u>FM</u>	
WCBV Lima	105.9	Participating
WMLX St. Mary's	103.3	Participating
WLWD Columbus Grove	93.9	Participating
WZRX Fort Shawnee	107.5	Participating
WBWH Bluffton	99.3	Participating
WDOH Delphos	107.1	Participating
WBYS Van Wert	98.9	Participating
WGLE Lima	90.7	Participating
WKXA Findlay	100.5	Local Primary-2
WIMT Lima	102.1	Local Primary-1
WKTN Kenton	95.3	Participating
WUZZ Lima	104.9	Participating
WBUK Ottawa	106.3	Participating
WTGN Lima	97.7	Participating
WZOQ Wapakoneta	92.1	Participating
WLFC Findlay	88.3	Participating
WONB Ada	94.9	Participating
WFGF Lima	93.1	Participating
WKSD Paulding	99.7	Participating
WCSM Celina	96.7	Participating
WKKI Celina	94.3	Participating
WBCJ Spencerville	88.1	Participating
WYSM Lima	89.3	Participating
WBIE Delphos	91.5	Participating

LIMA OHIO OPERATONAL AREA

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TV

WLMO Lima	CH 65	Participating
WFND Findlay	CH 22	Participating
WLIO Lima	CH 35/8	Participating
WTLW Lima	CH 44/47	Participating
WLQP Lima	CH 18	Participating
WOHL Lima	CH 25	Participating

Cable TV

Adelphia Cable Communications	Participating
B.R. Cablevision	Participating
Comcast Cablevision	Participating
Kalida Telephone Company	Participating
NK Telco	Participating
Orwell Cable Television	Participating
OTEC Communication Company	Participating
Telephone Service Company	Participating
Time Warner Cable	Participating

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(614) 889-7183 (Fax)
e-mail – mpatchen@dps.state.oh.us

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Ohio Cable Telecommunications Association
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ATTACHMENT VI

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