

NOTE: Due to the nature of electronic delivery of the Oregon State EAS Plan, it is difficult to place detailed maps due to the amount of data required to reproduce them. It is suggested therefore that these maps be obtained on line through the worldwide web, print them, and insert them into your copy of the plan at this point.

To obtain the Oregon State Map of NOAA Weather Radio Stations listed in the Table on Page 5 of Tab 10, the SECC Committee refers you to the following URL.

www.nws.noaa.gov/nwr/states/oregon.html

This will bring up a map showing all the weather radio stations in the state. You may click on community that corresponds to the table on page 5 and the monitoring assignments in Tab 4 and you may obtain a detailed coverage map of each station listed.

National Weather Service (NOAA)

The National Weather Service (NWS) offices in Boise, Eureka, Medford, Pendleton, and Portland are authorized to activate the Emergency Alert System in Oregon. NWS message authentication is conducted through the EAS origination code.

In Oregon, the NWS officially requests EAS activation only for tsunami warnings (TSA), flash flood warnings (FFW), Severe Thunderstorm Warnings and tornado warnings (TOR). However, messages may be sent for any of the events listed in Tables 1 and 2 below. Local plan developers should work with the National Weather Service to determine which of the events listed in Table 2 that will initiate EAS activation. (Special note: NOAA may, at the request of authorized officials, activate EAS for other events listed in TAB 11 and 12, such as the CEM. Those procedures, including authentication, will be spelled out in the local plans.)

Table 1. EAS Activation is recommended/requested for:

<i>Event</i>	<i>Code</i>
Flash Flood Warning	FFW
Tornado Warning	TOR
Tsunami Warning	TSW
Severe Thunderstorm Warning	SVR
Flood Warning (Note: Only rare and severe flooding events)	FLW

Table 2. EAS activation depends on Local Plan for:

<i>Event</i>	<i>Code</i>
Blizzard Watch	WSA
Blizzard Warning	BZW
Flash Flood Watch	FFA
Flash Flood	FLA
Flood Warning	FLW
Non Precipitation Watch (High Wind, Dust Storm, etc.)	HWA
Non Precipitation Warning (High Wind, Dust Storm, etc.)	HWW
Severe Thunderstorm Warning / Special Marine Warning	SVR
Severe Thunderstorm Watch	SVA
Tornado Watch	TOA
Tsunami Watch	TSA
Storm Warning (Marine)	HWW
Winter Storm Watch	WSA
Winter Storm Warning	WSW

Note: The NWS may not always generate messages for the events listed in Table 2. Generally speaking, messages will be sent when the senior NWS official on duty determines that immediate action is necessary to prevent a loss of life or property or when preparedness activities should commence immediately.

NWS messages will follow this format:

EAS HEADER

NOAA Weather Radio Attention Tone (in addition to the optional 8-second two-tone)

Aural Message

EOM

Aural Message from NWS will follow this format:

“This is the National Weather Service in (Location of office)” (slight pause)

“A (event name) (event type) has been issued for (location) until (expiration time)”

(Text of statement is read, followed by the concluding statement)

“Repeating once again, the National Weather Service has issued a (event name & type) for (location) until (expiration time). This has been a direct broadcast from the National Weather Service.”

EAS Header

NWS messages will originate from the office responsible for weather radio programming for that portion of the state, divided by county. In some cases, the weather office that actually composes the warning may not be the office activation EAS. This will not make any difference to the broadcaster though, it will still be aired on the appropriate NWR for the LP-1's to monitor. Location codes for NWS messages valid in Oregon are listed below.

KBOI / NWS for Boise

KEKA / NWS for Eureka

KMFR / NWS for Medford

KPDT / NWS for Pendleton

KPQR/ NWS for Portland

NWS Office with EAS activation responsibility (by county)

Boise: Baker, Harney and Malheur

Eureka: Curry. (Note: Eureka weather office issues no forecasts or warnings for Curry County, but is responsible for operating the Palment Butte weather radio in support of Medford and Portland forecast offices.)

Medford: Coos, Curry, Douglas, Jackson, Josephine, Lake, Klamath

Pendleton: Crook, Deschutes, Grant, Gilliam, Jefferson, Morrow, Sherman, Unatilla, Union, Wallowa, Wasco, Wheeler.

Portland: Benton, Clackamas, Clatsop, Columbia, Hood River, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, Washington, Yamhill.

NWS Telephone Numbers

Boise (208) 334-9861
Eureka (707) 443-5610
Medford (541) 776-4303
Pendleton (541) 276-7832
Portland (503) 326-2340

Unlisted NWS numbers will be provided as needed and included in local plans. The contact point for EAS issues is the Warning Coordination Meteorologist at each of these offices.

NOAA Weather Radio Attention Tone

This tone is used as an attention signal and to turn on certain NOAA Weather Radio receivers. This tone must be included to activate those radios. Although some encoder/decoders are able to "notch out" this tone, however in some cases the general public may hear a portion of it when NWS EAS messages are broadcast.

NWS Tests

The NWS may periodically test its ability to send SAME-coded messages. The DMO message will be used for this purpose. This message does not include an aural portion, and should not be broadcast or retransmitted. An aural test message will be sent weekly between 11 AM and 12 PM on Wednesday. The test may be canceled if severe weather is occurring or forecast. The weekly test (RWT) should not be retransmitted. The NWS may participate in the RMT for various operational areas. Those procedures will be spelled out in local plans.

NOAA Weather Radio Transmitters

The table beginning on page 5 of this Tab lists the NOAA weather radio sources that provide EAS messages in Oregon. Further information about these radios may be obtained from the NWS office listed.

EAS Backup in case of NOAA Weather Radio Failure

In rare cases, EAS messages from the NWS may be unavailable through the NOAA weather radio because of transmitter failure or other problems. In those cases, the NWS office initiating the alert will contact the Oregon Emergency Response System (Oregon Emergency Management in Salem, Oregon) who will encode and send it on the state network.

The NWS has a direct link to OEM through the National Warning System (NAWAS). OEM also receives a hard copy of NWS messages. If OEM is unable to activate EAS, the NWS office initiating the warning will attempt to contact the affected LP-1's by telephone.

Station	Calls	Freq.	Power	Office	Site	Elev. /Ft.	Coverage
Ashland	WWF-97	162.475	100 W.	Medford	Mt. Ashland	7533	Jackson, Josephine Co.
Astoria	KEC-91	162.400	100 W.	Portland	Naselle	1948	Astoria
Bend	WWF-80	162.500	120 W.	Pendleton	Powell Butte	5000	Bend, Prineville, Redmond, Madras,
Boise	WXK-68	162.550		Boise	Shaffer Butte	7200	Ontario
Brookings	KIH-37	162.550	500 W.	Eureka	Palmer Butte	3170	Brookings
Burns	KHB-30	162.475	300 W.	Boise	Burns Butte	5309	Burns
Coos Bay	KIH-32	162.400	330 W.	Medford	Noah Butte	903	Coos, Curry Co.
Eugene	KEC-42	162.400	100 W.	Portland	Blanton	1350	Eugene, Corvallis, Albany & Florence
Florence	WNG674	162.5	300 W.	Portland	Herman Pk,	2037	Lane, Douglas
Fossil	WNG-559	162.550	300 W.	Pendleton	Snowboard R.	5200	Warm Springs
Heppner 1	WWH-28	162.425	100 W.	Pendleton	Robinson Hill	2936	Morrow, Gilliam
*Heppner 2	WWH-29		100w.	Pendleton			
John Day	WNG560	162.500	100W.	Pendleton	Fall Mt.	5935	Grant
K. Falls	WXL-95	162.550	100 W.	Medford	Hogback R.	5750	Klamath Falls
Medford	WXL-85	162.400	330 W.	Medford	Blackwell H	1850	Medford
Mt. Hebo	WHG697	162.525	100w.	Portland	Mt. Hebo	3169	Clatsop, Tillamook
Neahkahnie	WWF-94	162.425	25 W.	Portland	Neahkahnie	1661	Seaside, Cannon Beach
Newport	KIH-33	162.550	100 W.	Portland	Otter Crest	1050	Newport
Pendleton	WWF-59	162.400	330 W.	Pendleton	Spout Springs	5500	Morrow, Umatilla, Union, Wallowa, Walla Walla Wa.
Pendleton	WNG708	162.425	80 W.	Pendleton	Pendleton Airport	1560	Umatilla
Port Orford	WNG596	162.425	300W	Medford	Cape Blanco	150	Coos, Curry
*Plymouth	WWH-27	162.425		Pendleton	Sillusi Butte	1184	Pendleton, Hermiston
Portland	KIG-98	162.550	330 W.	Portland	Goat Mt.	4200	Portland Operational Area
Reedsport	WZ-2509	162.525	100 W.	Portland	Winchester Hill	497	Douglas
Roseburg	WXL-98	162.550	100 W.	Medford	Dotson B.	3229	Roseburg
Salem	WXL-96	162.475	100 W.	Portland	Prospect Hill	1000	Capital Operation Area
Tillimook	WWF-95	162.475	25 W.	Portland	Cape Mears	1450	Tillamook, Clatsop
**Umatilla	WWF-57	162.500	330 W.	Pendleton	Umatilla R.	500	Pendleton
Goldendale	WNG-566	162.525	100 W.	Pendleton	Goodnoe Hills	2673	Klickitat, Sherman, Gilliam
The Dalles	WXM-34	162.400	100 W.	Pendleton	Stacker Butte	3202	The Dalles, Hood River

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