

# EAS - Tab B-11

## NOAA/NWS Information

September 9, 2021

### ABOUT

National Weather Service (NWS) offices in Seattle, Spokane, Portland, and Pendleton are authorized to activate the Emergency Alert System (EAS) in Washington State. These four NWS offices have short-fused county warning responsibility for their respective portions of the state (see FIGURE 1). Event codes used by the NWS can be found in the EAS Master List or at [weather.gov/nwr/eventcodes](http://weather.gov/nwr/eventcodes)

### TRANSMISSION & BACKUP

The NWS may trigger EAS activation to disseminate the messages found in TABLE 1. In addition, the Sage ENDEC unit at NWS Seattle monitors several networks/stations and will interrupt NWS broadcasts to relay all civil emergency alerts and Required Monthly Tests on the following transmitters: Seattle, Neah Bay, Olympia, Puget Sound, Blaine, and Randle. These EAS alerts will be relayed directly to the selected transmitter, bypassing the NWS broadcast to distribute selected EAS alerts. NWS EAS messages are transmitted in Washington State through NOAA Weather Radio (NWR). See TABLE 2 for the full list of NWR stations in Washington. NWS EAS message authentication is conducted through the EAS origination code.

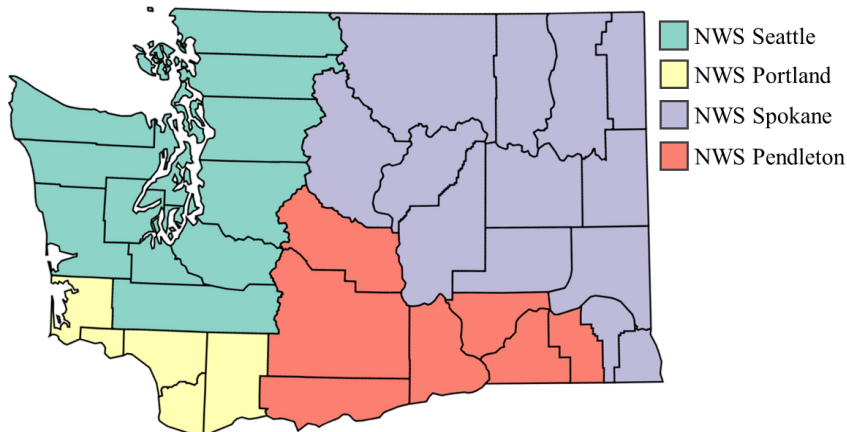
If an NWS office is unable to activate EAS for a weather event due to a communications outage or one or more NWR transmitters are offline, Washington State Emergency Management serves as the backup and can send an EAS message on behalf of the NWS.

### OUTAGES

NWR outages may be reported at <http://www.nws.noaa.gov/nwr/outages/outages.php> or by contacting the NWS office directly via the following *unlisted* numbers:

Seattle: 206-526-6857 | Portland: 503-326-2356 | Spokane: 509-244-0537 | Pendleton: 541-276-4493

FIGURE 1 - NWS Service Areas



**TABLE 1 - NWS Products/Triggers sent via EAS**

Trigger Type	EAS Event Code	Product Name	Trigger Condition
Automatic		Tornado Warning	None, issued for all
		Tornado Watch	
		Severe Thunderstorm Warning	
		Severe Thunderstorm Watch	
		Flash Flood Warning	
		Tsunami Warning	
		Tsunami Watch	
Manual  <i>NWS will exercise discretion during the overnight hours</i>		Flash Flood Watch	Extreme Event Only AND Expected onset is within 6 hours  <i>Excludes Winter Storm Warnings issued for the Cascades &amp; Olympics</i>
		Flood Watch	
		Winter Storm Warning	
		Coastal Flood Warning	
		Blizzard Warning	
		Dust Storm Warning	
		Flood Warning	Major Flood Category OR Expected onset is within 6 hours and not preceded by a watch
	High Wind Warning	Coast: winds 60 or gusts 90 MPH OR Inland: winds 50 or gusts 75 MPH AND Expected onset is within 6 hours  <i>Excludes products issued for the Cascades, Olympics, &amp; Columbia River Gorge.</i>	
<p><b>The NWS also has the ability to relay and trigger EAS for the following products upon request:</b> Administrative Message, Avalanche Watch, Avalanche Warning, Child Abduction Emergency, Civil Danger Warning, Civil Emergency Message, Earthquake Warning, Evacuation Immediate, Fire Warning, Hazardous Materials Warning, Local Area Emergency, Law Enforcement Warning, Nuclear Power Plant Warning, Radiological Hazard Warning, Shelter In Place Warning, 911 Telephone Outage Emergency, and Volcano Warning.</p>			

**TABLE 2 - NWS NOAA Weather Radio (NWR) Stations**

<b>NWS Office</b>	<b>Station</b>	<b>Freq. (MHz)</b>	<b>Transmitter Site</b>	<b>Counties Served</b>
<b>Seattle KSEW/NWS</b>	KHB-60 Seattle	162.550	Cougar Mtn	Snohomish, King, Pierce, Kitsap, Mason
	WXM-62 Olympia	162.475	Capitol Peak	Thurston, Grays Harbor, Mason, Lewis, East Pacific, Pierce
	WZ-2502 Upper Cowlitz (Randle)	162.425	Bennett Rd	Lewis
	KIH-36 Neah Bay	162.55	Bahokus Peak	Clallam, West Jefferson
	KXI-27 Forks	162.425	Mt Octopus	West Clallam, West Jefferson, Grays Harbor
	WWG-24 Puget Sound	162.425	Maynard Peak	Clallam, East Jefferson, Island, Snohomish, Skagit, San Juan, Kitsap
	KAD-93 Blaine	162.525	'H' Street - Blaine	San Juan, Whatcom
<b>Portland KPQR/NWS</b>	KIG-98 Portland	162.55	Goat Mtn	Clark, Western Skamania
	KEC-91 Astoria	162.40	Naselle Ridge	Pacific, Wahkiakum, Grays Harbor
	WNG-604 Woodland	162.525	Davis Peak	Clark, Cowlitz
<b>Spokane KOTX/NWS</b>	WXL-86 Spokane	162.40	Mt Spokane	Spokane, Pend Oreille, Stevens, Lincoln, Whitman
	WWF-49 Okanogan Valley	162.525	Tunk Mtn	Okanogan, Ferry
	WXM-48 Wenatchee	162.475	Burch Mtn	Chelan, Douglas, Grant
	WXK-98 Lewiston	162.55	Lewiston Ridge	Asotin, Garfield, Whitman
	WWG-99 Bonners Ferry	162.50	Black Mountain	Pend Oreille
<b>Pendleton KPDT/NWS</b>	WXL-95 Spout Springs	162.40	Spout Springs	Walla Walla
	KIG-75 Yakima	162.55	Yakima Ridge	Yakima, Eastern Kittitas
	WWF-56 Tri-Cities	162.45	Rattlesnake Ridge	Benton, Franklin, Grant, Yakima, Klickitat, Walla Walla, Adams
	WWH-27 Hermiston/Plymouth	162.425	Sillusi Butte	Benton
	KZZ-73 Dayton	162.525	Dewey Road	Columbia, Garfield
	WMS-34 The Dalles	162.40	Stacker Butte	Southern Skamania, Western Klickitat
	WXN-21 Cle Elum	162.40	Sky Meadows	Kittitas