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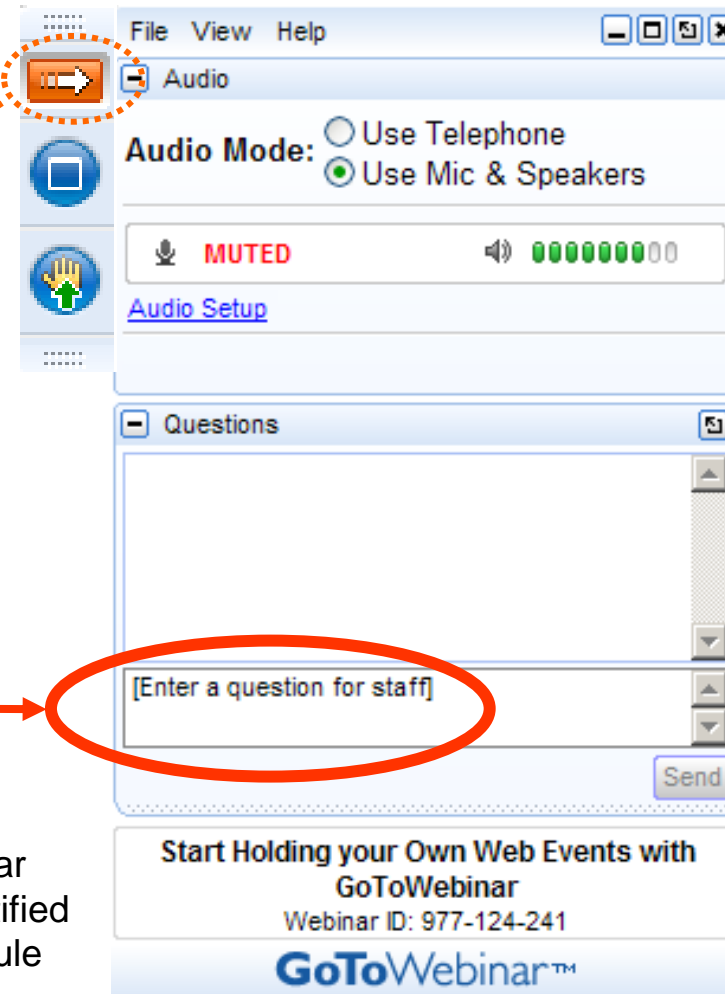
Episode #87

What's up with EAS?

Your questions please?

(if you don't see the control panel, click on the orange arrow icon to expand it)

Please enter your questions in the text box of the webinar control panel (remember to press send)



The screenshot shows a GoToWebinar control panel window. At the top, there is a menu bar with 'File', 'View', and 'Help'. Below the menu bar, there is a section for 'Audio' settings. An orange arrow icon is circled in red and has a dotted orange line pointing to it. The audio settings include 'Audio Mode' with two radio buttons: 'Use Telephone' (unselected) and 'Use Mic & Speakers' (selected). Below this, there is a 'MUTED' indicator with a microphone icon and a volume level indicator showing 00. A link for 'Audio Setup' is visible. Below the audio settings, there is a 'Questions' section. A text box with the placeholder text '[Enter a question for staff]' is circled in red, and a solid red arrow points to it. A 'Send' button is located to the right of the text box. At the bottom of the control panel, there is a promotional banner for 'Start Holding your Own Web Events with GoToWebinar' with the Webinar ID: 977-124-241 and the GoToWebinar logo.



Remember: The completion of a Nautel webinar qualifies for ½ SBE re-certification credit, identified under Category I of the Re-certification Schedule for SBE Certifications.

You've got Questions...

- Is EAS the biggest thing keeping radio alive? If they find another way to deliver it will radio die like newsprint?
- Let's say the news man works at home and he wants to be an alert originator. Can I do this with my Sage EAS box and switcher?
- EAS in tertiary / secondary / rural markets.
- are stations required to run EAS on the HD feeds and how are they doing it now?
- Mostly interested in the best practice of where to put it in the signal chain. Should it go to web stream also? Only FM? etc.
- How does the Canadian implementation of this compare to the US system?



Why is Jeff talking about EAS???

PUBLIC SAFETY AND HOMELAND SECURITY BUREAU ANNOUNCES EFFECTIVE DATE AND COMPLIANCE DATES FOR CERTAIN EMERGENCY ALERT SYSTEM (EAS) RULES

PS Docket No. 15-94

On September 30, 2022, the Commission released a *Report and Order* in PS Docket No. 15-94 adopting new rules to improve the clarity and accessibility of Emergency Alert System (EAS) messages.¹ On November 10, 2022, the Office of the Federal Register published a summary of the *Report and Order*.² Accordingly, the effective date for the rules adopted in the *Report and Order* is December 12, 2022.³ In addition, as provided in the *Report and Order*, EAS Participants⁴ are required to comply with the following new and revised Commission rules by the following dates:

- **December 12, 2023:**
 - Sections 11.55(c) and 11.61(a)(1)(iv), requiring EAS Participants to implement the new Common Alerting Protocol alert polling and prioritization rules.
 - Section 11.51(d)(3), requiring EAS Participants to display the new text for the national alert originator code (PEP),⁵ the national test code (NPT),⁶ and (excluding cable systems) the national emergency code (EAN).⁷
 - Section 11.51(d)(3)(iii), requiring EAS Participants to display a standard script for NPT alerts issued in legacy format.

Acronyms

- CAP – Common Alerting Protocol
- CAP-CP – Common Alerting Protocol – Canadian Profile
- IPAWS – Integrated Public Alert and Warning System
- NPAS – National Public Alerting System (Alert Ready)
- SAME – Specific Area Message Encoding
- NAAD – National Alert Aggregation and Dissemination
- OASIS – Organization for the Advancement of Structured Information Standards
- WPA – Wireless Public Alerting System
- WEA – Wireless Emergency Alerts
- PEP – Primary Entry Point
- LP1/LP2 – Local Primary
- RMT – Required Monthly Test and RWT – Required Weekly Test



EAS Event (NWR-SAME) Codes

Weather-Related Events	NWR-SAME Code	Status
Blizzard Warning	BZW	Operational
Coastal Flood Watch	CFA	* Operational *
Coastal Flood Warning	CFW	* Operational *
Dust Storm Warning	DSW	* Operational *
Flash Flood Watch	FFA	Operational
Flash Flood Warning	FFW	Operational
Flash Flood Statement	FFS	Operational
Flood Watch	FLA	Operational
Flood Warning	FLW	Operational
Flood Statement	FLS	Operational
High Wind Watch	HWA	Operational
High Wind Warning	HWW	Operational
Hurricane Watch	HUA	Operational
Hurricane Warning	HUW	Operational
Hurricane Statement	HLS	Operational
Severe Thunderstorm Watch	SVA	Operational
Severe Thunderstorm Warning	SVR	Operational
Severe Weather Statement	SVS	Operational
Special Marine Warning	SMW	* Operational *
Special Weather Statement	SPS	Operational
Tornado Watch	TOA	Operational
Tornado Warning	TOR	Operational
Tropical Storm Watch	TRA	* Operational *
Tropical Storm Warning	TRW	* Operational *
Tsunami Watch	TSA	Operational
Tsunami Warning	TSW	Operational
Winter Storm Watch	WSA	Operational
Winter Storm Warning	WSW	Operational

http://www.911broadcast.com/tech-emergency_alerts_70.htm



Non-Weather-Related Events	NWR-SAME Code	Status
<i>National Codes-Required</i>		
Emergency Action Notification	EAN	Not currently implemented on NWR
Emergency Action Termination	EAT	Not currently implemented on NWR
National Information Center	NIC	Operational
<i>State and Local Codes-Optional</i>		
Avalanche Watch	AVA	* Operational *
Avalanche Warning	AVW	* Operational *
Child Abduction Emergency	CAE	* Operational *
Civil Danger Warning	CDW	* Operational *
Civil Emergency Message	CEM	Operational
Earthquake Warning	EQW	* Operational *
Evacuation Immediate	EVI	Operational
Fire Warning	FRW	* Operational *
Hazardous Materials Warning	HMW	* Operational *
Law Enforcement Warning	LEW	* Operational *
Local Area Emergency	LAE	* Operational *
911 Telephone Outage Emergency	TOE	* Operational *
Nuclear Power Plant Warning	NUW	* Operational *
Radiological Hazard Warning	RHW	* Operational *
Shelter in Place Warning	SPW	* Operational *
Volcano Warning	VOW	* Operational *

http://www.911broadcast.com/tech-emergency_alerts_70.htm



Administrative Events	NWR-SAME Code	Status
Administrative Message	ADR	Operational
National Periodic Test	NPT	Not currently implemented on NWR
Network Message Notification	NMN	Not currently implemented on NWR
Practice/Demo Warning	DMO	Operational
Required Monthly Test	RMT	Operational
Required Weekly Test	RWT	Operational

http://www.911broadcast.com/tech-emergency_alerts_70.htm





EMERGENCY ALERTS

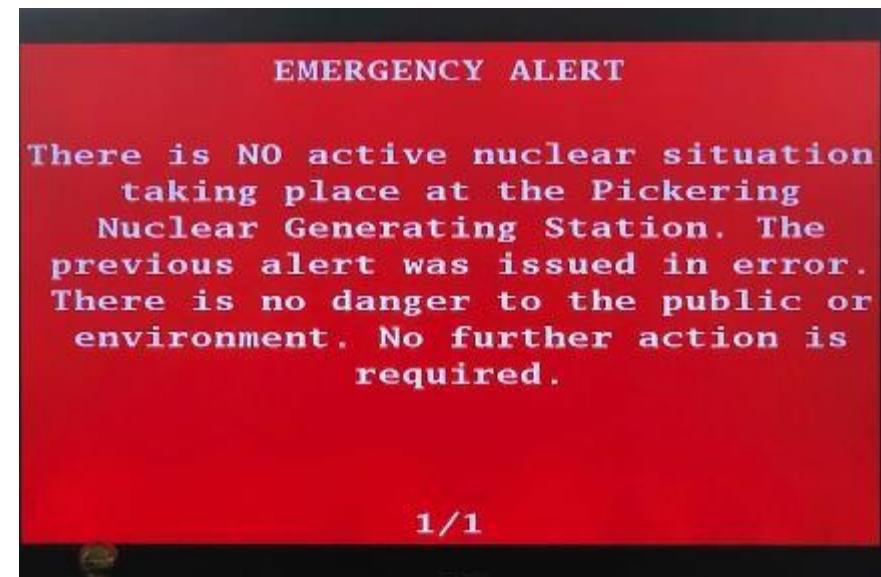
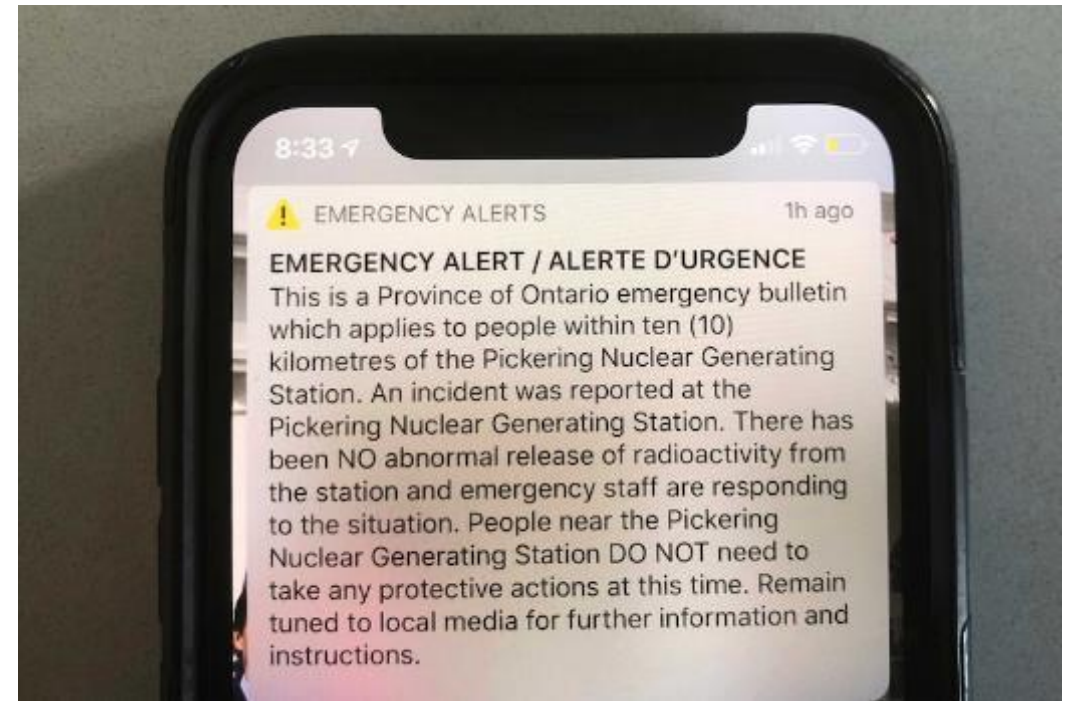
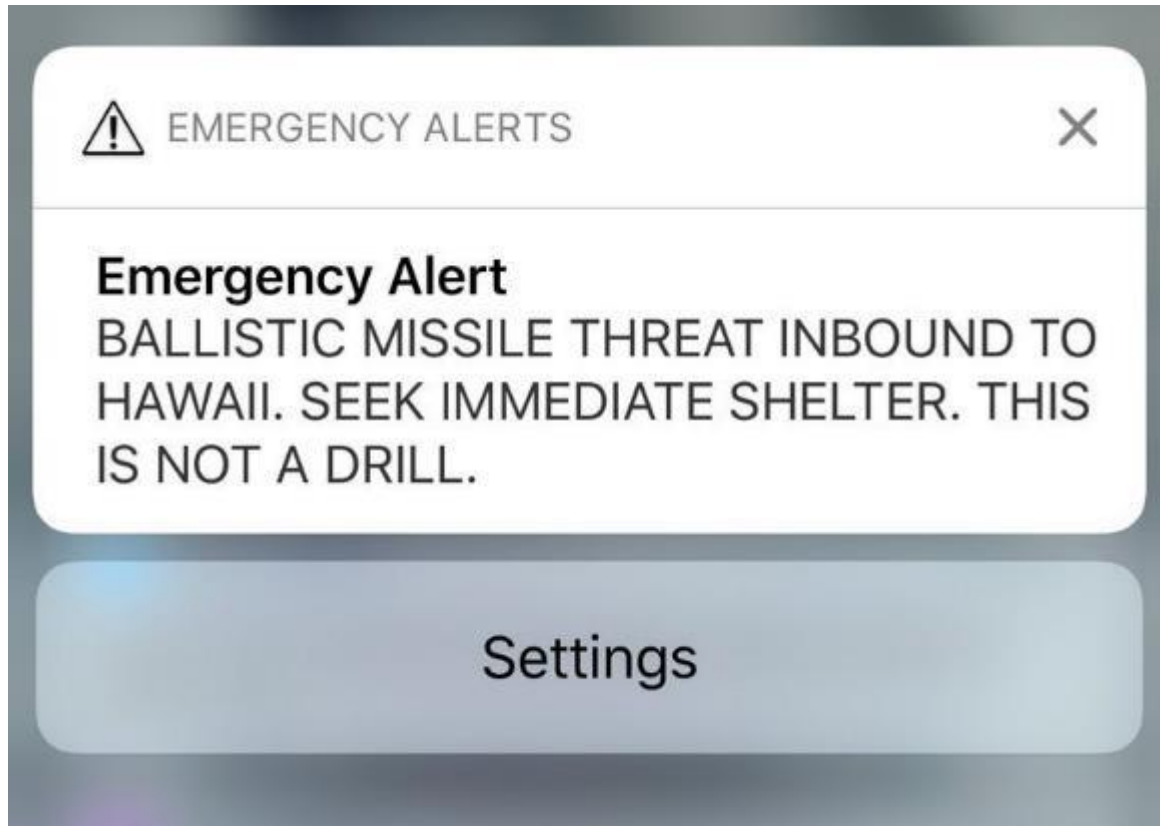
now

EMERGENCY ALERT / ALERTE D'URGENCE

At 12:42 p.m. Eastern Daylight Time Sunday, Environment Canada has issued a tornado warning for this mobile coverage area. Take cover immediately if threatening weather approaches. /// À 12h42 heure avancée de l'Est le dimanche, Environnement Canada a émis une alerte de tornade pour cette zone de couverture mobile. Mettez-vous immédiatement à l'abri si un phénomène météorologique menaçant s'approche.

[https://emergencyalertsystem.fandom.com/wiki/AlertReady_\(Canada\)?file=Canada_wireless_alert_example.jpeg#Alert_Ready_\(2014-Present\)](https://emergencyalertsystem.fandom.com/wiki/AlertReady_(Canada)?file=Canada_wireless_alert_example.jpeg#Alert_Ready_(2014-Present))







- ✓ ▲ AM Radio Station
- ✓ ▲ FM Radio Station
- ✓ ● TV Station
- ✓ ● Broadcasting Distribution Undertaking
- ✓ ☞ AM Contour (Day)
- ✓ ☞ AM Contour (Night)
- ✓ ☞ FM Contour

[https://emergencyalertsystem.fandom.com/wiki/AlertReady_\(Canada\)?file=Canada_wireless_alert_example.jpeg#Alert_Ready_\(2014-Present\)](https://emergencyalertsystem.fandom.com/wiki/AlertReady_(Canada)?file=Canada_wireless_alert_example.jpeg#Alert_Ready_(2014-Present))



Manufacturers:

SAGE ALERTING SYSTEMS

<https://www.sagealertingsystems.com/>



<https://www.digitalalertsyste.ms.com/>



<http://www.gorman-redlich.com/>



<https://www.viavisolutions.com/en-us/products/emergency-alert-systems-eas>

2023 Operating Handbook

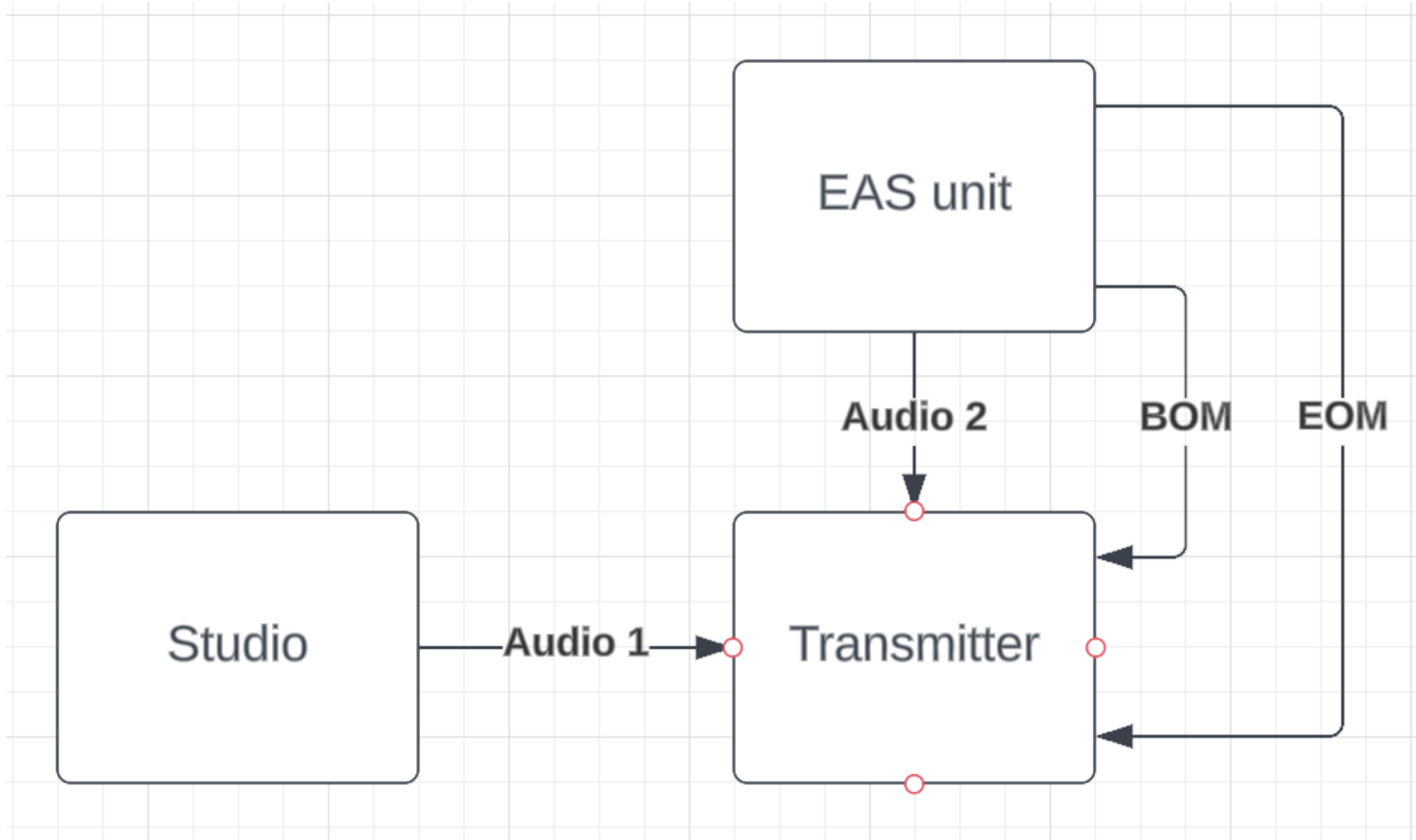
EAS
Emergency Alert System



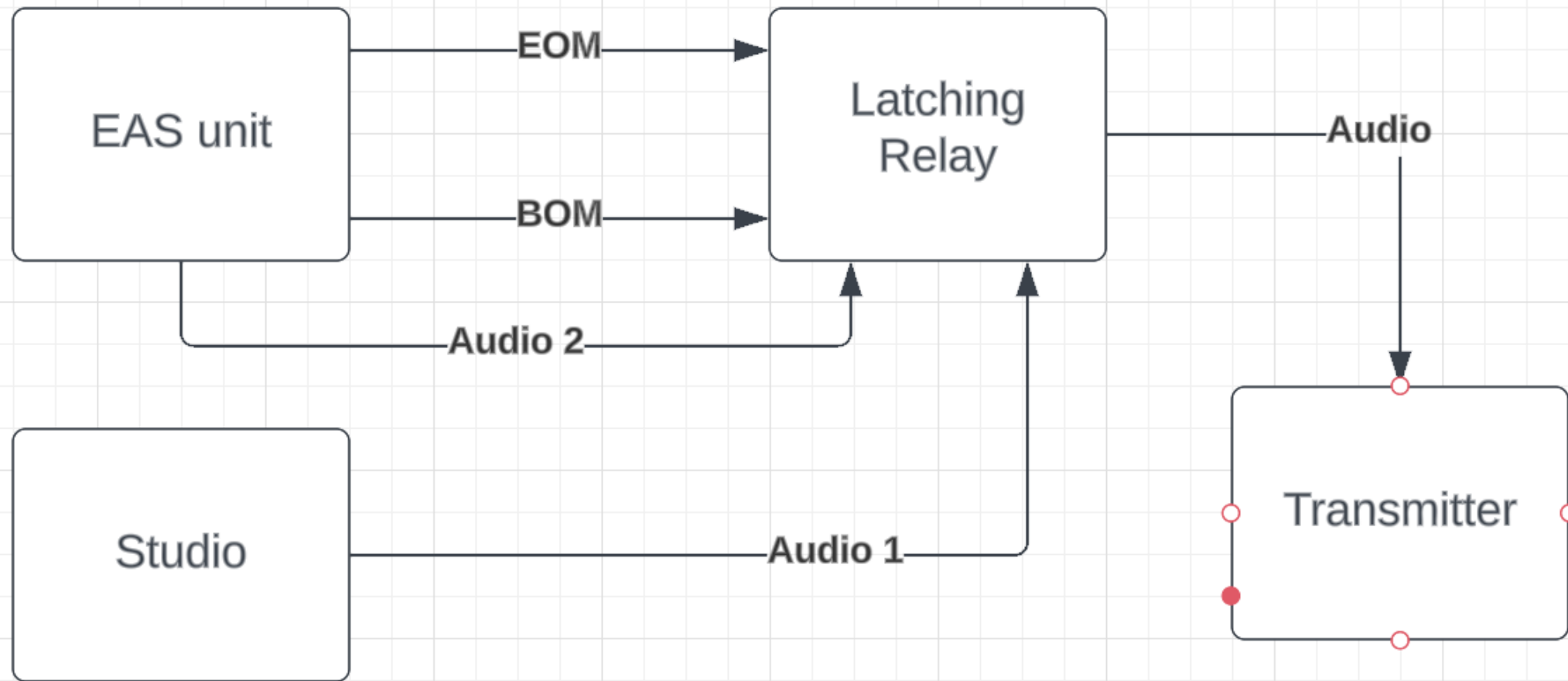
<https://www.nhab.org/legal/2023-eas-operating-handbook-available>



Insertion



Insertion



Resources

- FCC: <https://www.fcc.gov/emergency-alert-system#block-menu-block-4>
- FEMA: https://search.usa.gov/search?affiliate=fema&sort_by=&query=EAS&commit=Search
- National Weather Service: <https://www.weather.gov/nwr/eventcodes>
- Government of Canada: <https://www.publicsafety.gc.ca/cnt/mrgnc-mngmnt/mrgnc-prprdnss/capcp/index-en.aspx>
- Wikipedia (!): https://en.wikipedia.org/wiki/Emergency_Alert_System

Online Information



Webinars

<https://www.nautel.com/resources/webinars/>



Nautel Waves Newsletter

<https://www.nautel.com/newsletters/>



YouTube

<http://www.youtube.com/user/NautelLtd>



Online Info, such as the Broadcasters' Desktop Resource

<https://www.thebdr.net/>



THANK YOU!

