

Emergency Alert System (EAS)

Communications Operations Orders

For the

Orange County, California

FCC Local Area Plan

January 21, 1997
FCC Approved on 5/13/98
Revision 1&2 on 7/30/99
Revision 3 on 1/18/00
FCC Approved on 4/19/00
Revision 4 on 10/8/02
Revision 5 on 10/14/03
Revision 6 on 4/26/05
Revision 7 on 10/17/06
Revision 8 on 5/17/10
Revision 9 on 1/21/14

Communications Operations Order CA-ORG Number 1

Monitor Plan

1.1. The LP1 station is KWVE 107.9 FM. The LP1 station will monitor:

	Station	Frequency	Location
a.	KFI (CA-LA LP1) (NP)	640 kHz	Los Angeles, CA
b.	IPAWS CAP	https://apps.fema.gov	Various
c.	Control One (CA-ORG LP2)	39.840 MHz	Santiago Peak
d.	NOAA Weather Radio	162.450 MHz	Santa Ana Mountains
e.	CLERS (State EAS)	158.790 MHz	Santiago Peak

1.2. The LP2 station is Control One (Orange County Sheriff's Department). The LP2 will monitor:

	Station	Frequency	Location
a.	KWVE (CA-ORG LP1)	107.9 MHz	Santiago Peak
b.	IPAWS CAP	https://apps.fema.gov	Various
c.	KFI (CA-LA LP1) (NP)	640 kHz	Los Angeles, CA
d.	NOAA Weather Radio	162.450 MHz	Santa Ana Mountains
e.	CLERS (State EAS)	158.790 MHz	Santiago Peak

1.3. All EAS Participants will monitor the following:

	Station	Frequency	Location
a.	KWVE (CA-ORG LP1)	107.9 MHz	Santiago Peak
b.	IPAWS CAP	https://apps.fema.gov	Various
c.	Control One (CA-ORG LP2)	39.840 MHz	Santiago Peak

1.4. All EAS Participants are recommended to monitor other stations listed in 1.1 and 1.2

Communications Operations Order CA-ORG Number 2

Event Codes

2.1. The following National Event Codes are required to be carried by all EAS Participants by the Federal Communications Commission:

	CODE	NATURE OF ACTIVATION
a.	EAN	Emergency Action Notification
b.	EAT	Emergency Action Termination
c.	NIC	National Information Center
d.	NPT	National Periodic Test
e.	RMT	Required Monthly Test
f.	RWT	Required Weekly Test

2.2. The following State and Local Event Codes will be carried by all EAS Participants in this LECC:

	CODE	NATURE OF ACTIVATION
a.	CEM	Civil Emergency Message
b.	CDW	Civil Danger Warning
c.	EVI	Evacuation Immediate
d.	FFW	Flash Flood Warning
e.	FRW	Fire Warning
f.	HMW	Hazardous Materials Warning
g.	LAE	Local Area Emergency
h.	LEW	Law Enforcement Warning
i.	NUW	Nuclear Power Plant Warning
j.	RHW	Radiological Hazard Warning
k.	SPW	Shelter in Place Warning
l.	SVR	Severe Thunderstorm Warning
m.	TOR	Tornado Warning
n.	TSA	Tsunami Watch
o.	TSW	Tsunami Warning

2.3. The following State and Local Event Codes are recommended (voluntary) to be carried by all EAS Participants in this LECC:

	CODE	NATURE OF ACTIVATION
a.	ADR	Administrative Message
b.	CAE	Child Abduction Emergency
c.	EQW	Earthquake Warning
d.	FFA	Flash Flood Watch
e.	FLA	Flood Watch
f.	FLW	Flood Warning
g.	HUW	Hurricane Warning
h.	HWW	High Wind Warning
i.	TOA	Tornado Watch
j.	TOE	911 Telephone Outage Emergency
k.	WSW	Winter Storm Warning

Communications Operations Order CA-ORG Number 3

National Weather Service

- 3.1. All National Weather Service WARNING Messages and EAS ACTIVATION REQUESTED messages will be transmitted over NOAA Weather Radio (NWR) and IPAWS CAP.
- 3.2. LP1 and LP2 stations are required to monitor the NWR frequency serving their area of responsibility and the IPAWS CAP feed. EAS Participants are encouraged to monitor the NWR serving their area of responsibility.
- 3.3. The NWR EAS messages will contain a verbal message which shall not exceed 120 seconds. Messages longer than 120 may cause the message to be truncated or not relayed at all.
- 3.4. In the event that the Santa Ana Mountains NWR transmitter is off the air, the NWS office shall telephone the LP1 station at (714) 918-6213 or the LP2 station at (714) 628-7008.
 - a. Identify yourself. State the reason you are activating the Emergency Alert System. Be prepared to authenticate in accordance with COO Number 6. The broadcast station shall immediately record your message. You may be asked for a level. Say "level, level, level, level, level."
 - b. Upon receiving the go-ahead say:

"5, 4, 3, 2, 1. This is the National Weather Service office in San Diego. We are activating the Emergency Alert System for a [**state the nature of the warning**].

Read the warning message. The message must not exceed 120 seconds.

"This concludes this Emergency Alert System message from the National Weather Service."

Remain silent until the broadcaster tells you the message has been received ok.

- 3.5. Control One may also broadcast NWS warnings as needed.

Communications Operations Order CA-ORG Number 4

How to Activate and Transmit a Local Broadcast

(For the LP1 and LP2 Stations Only)

4.1. From the EAS terminal.

- a. If the Event Code coincides with one shown in COO Number 2, it will be put on the air as soon as possible using instructions specific to the EAS terminal.
- b. Any other Event Code not listed in COO Number 2 may be broadcast at your discretion.

4.2. By Telephone.

- a. When receiving a telephone call from a person authorized to initiate an EAS message under COO Number 5, Part B, authenticate using the procedure in COO Number 6. Radio, teleprinter, or IPAWS CAP messages from another EAS station, federal, state, local government, or the NWS do not require authentication.
- b. Start the recorder. Tell the telephone caller to "countdown and go." The caller's out-queue is "this concludes this broadcast from the (agency name) in (location)."
- c. Program your EAS terminal with the appropriate FIPS delivery and Event Codes.
- d. Cue up message for broadcast (if on external recorder). Fade out program in progress. Announce "we interrupt this program to activate the Emergency Alert System for the Orange County area. Important information will follow."
- e. Activate your EAS terminal. Read or play the message. Announce "this concludes the Emergency Alert System programming. All broadcast stations and cable systems may now resume normal operations."
- f. Resume normal broadcasting. Do not editorialize or comment on the incident as it may be construed as an official announcement. If possible, repeat the highlights of the warning every 5 to 10 minutes during the warning period.

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- g. Log the activation. Insure the FCC in Washington D.C. is notified in writing in accordance with the rules.

- 4.3. Any EAS Participant may activate EAS and read the message, upon receipt of any "ACTIVATION REQUESTED" bulletin from the National Weather Service without delay.

- 4.4. All news and program personnel shall be familiar with the necessity to place programming on the air with the least delay.

- 4.5. On-air personnel shall not ad-lib, interpret, abbreviate, or alter any message or test. Tests shall not be sung, set to music, include music, echo and/or other electronic alteration or production aids.

- 4.6. From AlertOC
 - a. Log-in to Connect 5 portal.
 - b. Select IPAWS from the menu.
 - c. Select Event Code, Expiration Time, and Action.
 - d. Click Next.
 - e. Confirm message and select Send.

Communications Operations Order CA-ORG Number 5

For Local Government Officials to Activate the Emergency Alert System (Part A)

- 5.1. Agencies and/or officials, specified in Part B, are authorized to activate the Emergency Alert System by following these steps:
- a. Write the WARNING message to be broadcast by all EAS Participants in the Orange County LECC. Never dictate a message; you are the announcer if you are unable to provide a written copy.
 - b. Contact the Orange County Sheriff's Department Countywide Coordinated Communications Center (Control One) by telephone at (714) 628-7008 or (714) 538-7787, fax (714) 628-7198, the Control One Landline Intercom System, or by public safety radio. If Control One can not be contacted, contact the LP 1 at (714) 628-6213, fax (714) 979-4659.
 - c. Designated officials use the following format to activate the EAS: "This is (name/title) of (organization). I request that the Emergency Alert System be activated for the Orange County Area because of a (description of emergency).
 - d. Control One, the LP 1, or LP 2 will authenticate as per Communications Operations Order Number 6.
 - e. Designated officials and Control One, LP 1, or LP 2 personnel will determine the transmission details (i.e. live, recorded, immediate, or delayed). Officials should provide emergency program material including a description of the emergency, actions being taken by local government, and instructions to the public.
 - f. EAS message originators shall limit their messages to two minutes, the maximum recording time of EAS equipment.
 - g. Control One will always send the EAS message via designated county voice radio systems as a backup to the primary EAS equipment. The message will also be sent via CLETS to all Orange County law enforcement agencies.

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(Part B)

5.2. The Emergency Alert System may be activated by the following authorized officials:

County:

Orange County Sheriff-Coroner Department

Sheriff-Coroner
Department Commander

Orange County Fire Authority

Fire Chief
Division Chief
Battalion Chief

Orange County Public Works

Director

Orange County Health Care Agency

Director

Operational Area Director of Emergency Services

City:

City Government

City Manager

Police Department

Police Chief
Watch Commander

Fire Department

Fire Chief
Battalion Chief

State:

California Highway Patrol

Watch Commander, Orange County Communications Center
(Limited to multi-jurisdictional and/or statewide Child Abduction Emergencies)

Communications Operations Order CA-ORG Number 6

Authentication Procedure

- 6.1. The party receiving a request to activate the Emergency Alert System shall call the requestor back to verify the request.
 - a. Control One will call and verify with the public-safety dispatch center to authenticate any EAS activation request.
 - b. Control One may contact a local government to suggest and/or inquire as to the need for an EAS activation.

Communications Operations Order CA-ORG Number 7

Required Monthly Test

7.1 The Coordinated Monthly Test (Event Code RMT) within every Local Area is required to be carried by all EAS Participants. It may be carried simultaneously with the originating LP 1 or LP 2 station, or delayed by no more than 60 minutes [FCC Part 11.61 (a) (1)].

7.2 The Required Monthly Test in this FCC Local Area is conducted as follows.

Daytime: First Thursday of odd-numbered months at 11:00 a.m.

Nighttime: First Monday of even-numbered months at 5:00 a.m.

The test date and time may be changed to accommodate the annual tsunami warning and SONGS siren tests. These and any other variations will be noted on the annual RMT test schedule distributed each year.

7.3 The Required Monthly Test will originate from the LP1 or LP2 using a pre-established script.

7.4 The Required Monthly Test will take approximately 60 seconds and the text may vary according to the seasonal threats in and around this County.

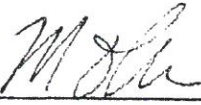
EMERGENCY ALERT SYSTEM (EAS)
FCC LOCAL AREA PLAN
ORANGE COUNTY, CALIFORNIA

Revision #9 - Concurrence and Approval - See attached Plan for revisions as to:

- Updated information in COO-1
- Updated information in COO-2
- Updated information in COO-4
- Updated information in COO-5
- Updated information in COO-7

Signature

Date



2/6/2014

Chair, Local Area FCC LECC



2/7/2014

Co-Chair, Local Area FCC LECC



7/18/14

Meteorologist in Charge, NWS

Chair, SECC