PUERTO RICO

EMERGENCY ALERT SYSTEM

STATE EAS PLAN

SEPTEMBER 2010

*As amended and approved by the State Emergency Communications Committee (SECC) on*

*October 20, 2017.*

*Alfonso Giménez-Porrata, Chair*

 TABLE OF CONTENTS

1. Intent and Purpose of this Plan................................................................... 4
2. The National, State and Local EAS: Participation and Priorities.................. 4
	1. National EAS Participation....................................................................... 4
	2. State/Local EAS Participation................................................................... 4
	3. Conditions of EAS Participation............................................................... 4
	4. EAS Priorities................................................................................................. 5

Ill. The Puerto Rico State Emergency Communications Committee (SECC)....... 5

1. Organization and Concepts of the Puerto Rico EAS....................................... 6
	1. EAS Designations............................................................................................ 6
	2. Other Definitions.................................................................................. 6
	3. Delivery Plan............................................................................................. 7
2. EAS Header Code Information........................................................................ 7
	1. EAS Header Code Analysis............................................................................. 7
	2. Puerto Rico Originator Codes.................................................................... 8
	3. Puerto Rico Event Codes............................................................................ 9

- Mandated FCC Codes........................................................................ 9

* 1. Puerto Rico Area-Location Codes ("L-Code") "PSSCCC" Formats......... 10
1. EAS Tests................................................................................................................ 12
	1. Required Weekly Test (RWT).................................................................... 12
		1. Transmission................................................................................... 12
		2. Reception........................................................................................ 12
	2. Required Monthly Test (RMT).................................................................. 12
		1. Transmission................................................................................... 12
		2. Scheduling of RMT's: Week and Time of Day............................... 12
		3. Scheduling of RMT's: Recommended Time Constraints................ 13
		4. Reception/Retransmission............................................................. 14
	3. Time-Duration and Area Location Codes to be used................................... 14
2. Puerto Rico EAS Scripts and Formats...................................................... 15
	1. Test Scripts and Formats................................................................... 15
	2. Real-Alert Activation Scripts and Formats...................................... 16
		1. State Activation........................................................................... 16
		2. Local Area Activation.................................................................. 19
3. Guidance for Originators of EAS Alerts................................................. 20
	1. Guidance for National Weather Service Personnel.......................... 20
	2. Guidance for Puerto Rico Emergency Management Personnel....... 20
4. Guidance for All Users in Programming their EAS Decoders in Puerto Rico.... 21
	1. Modes of Operation.......................................................................... 22
	2. Area-Location Codes to Use.............................................................. 23
	3. Event Codes You Must Program into your EAS Decoder................. 23

 Appendix A: Table of Monitoring Assignments................................................... 24

 - Monitoring Assignments for Puerto Rico EAS Stations................. 29

 - General explanation of Monitoring Inputs...................................... 29

 Appendix B: NOAA Weather Radio Stations and Coverage............................... 30

 Appendix C: Agreements with SR and LP Stations............................................. 31

* Sources agreed to be monitored
* Codes agreed to be carried
	+ With Voice Announcement
	+ Without Voice Announcement

 Appendix D: Authorized Sources for Activating the EAS ............................................ 34

 Appendix E: FCC Mapbook of Puerto Rico........................................................... 36

 Appendix F: Boundary Map of Puerto Rico EAS Local Areas.............................. 37

1. Intent and Purpose of this Plan

This Plan is the FCC mandated document outlining the organization and implementation of the Puerto Rico Emergency Alert System (EAS). It is the guideline for Puerto Rico broadcasters and cable TV operators to determine their mandated and optional monitoring assignments, codes to be used in the EAS Header sequence in Puerto Rico schedule of the Required Monthly Test (RMT's) which must be relayed by all broadcasters and cable broadcasters within 15 minutes of reception, and any other elements of the EAS which are unique to this Island. This Plan is an adjunct to the FCC EAS Rules and is not mean to be a summary, in whole or in part, of the FCC Rules.

Consult FCC Rules Part 11 for general rules regarding the Emergency Alert System.

1. The National, State, and Local EAS: Participation and Priorities
	1. National EAS Participation

All broadcasters and cable operators are required to participate in the National­ level EAS. "PN" (Participating National) stations and all cable operators would carry the Presidential message. All broadcasters and cable operators must transmit a Required Weekly EAS Test (RWT), and once a month, must re-transmit the Required Monthly Test (RMT) within 15 minutes of receiving it on their EAS Decoder. These actions are required of all broadcasters and cable operators, regardless of their "PN" EAS status.

* 1. State/Local EAS Participation

Participation in the State and/or Local EAS is voluntary for all broadcasters and cable operators. However, any station/cable operators electing to participate in the State and/or Local Area EAS must then follow the procedures found in this Plan.

* 1. Conditions of EAS Participation

 Acceptance of/or participation in this Plan shall not be deemed as a relinquishment of program control, and shall not deemed to prohibit a broadcaster licensee from exercising his independent discretion and responsibility in any given situation. Broadcast stations and cable systems originating EAS emergency communications shall be deemed to have conferred rebroadcast authority. The concept of management of each broadcast station and cable system to exercise discretion regarding the broadcast of emergency information and instructions to the general public is provided by the FCC Rules and Regulations.

 Effective June 30, 2012, all EAS participants subject to 47 CFR Section 11 must monitor FEMA Common Alerting Protocol (CAP) Aggregator through Internet Protocol (IP) connection of an approved IPAWS Open CAP capable EAS device. All EAS participants are required to have equipment installed and operational, capable of receiving and processing CAP formatted EAS alerts in a manner consistent with the Commission's EAS Rules as amended by the Fifth Report and Order (FCC 12-7).

* 1. EAS Priorities

Stations/cable operators are reminded that the EAS Priorities are the following:

* + 1. National EAS Messages
		2. Local Area EAS Messages
		3. State EAS Messages
		4. Messages from the National Information Center (NIC)

(These are follow-up messages after a National EAS Activation)

1. The Puerto Rico Emergency Communications Committee (SECC)

The responsibility of administrating this Plan rest within the members of the SECC. Technical and administrative personnel of Puerto Rico's radio and television stations, cable systems and representatives of the state and federal government's public safety and emergency agencies, integrate the Puerto Rico SECC.

 **STATE EMERGENCY COMMUNICATIONS COMMITTEE (SECC)**

|  |  |
| --- | --- |
| **Alfonso Giménez-Porrata, Chair****President, WPAB-550-Ponce****787 612-0088** | **Néstor Pérez****Engineering Manager****Univision Puerto Rico****787 234-6640** |
| **José A. Ribas-Dominicci****Executive Director, Puerto Rico Radio Broadcasters Association****787 783-8810** | **Iván Feliú****Independent Contractor****787 385-2675** |
| **José A. Martínez-Giraud****President, WUPR-AM Utuado****787 374-0666** | **Lawrence Trumbower****Chief Engineer, WCGB-AM** **Juana Díaz****787 436-9411** |
| **Norma Colón Daleccio, APR, Lic. R-86****Public Relations Officer, SECC****Administration, WPAB-550-Ponce****787 383-4646** | **Christa von Hillebrandt-Andrade****Manager, Caribbean Tsunami Warning Program****787 249-8307** |
| **Osvaldo Torres****Station Manager/Chief Engineer****WOLE-TV, Aguadilla****787 447-2687** | **Dr. Víctor Huérfano****Director, Puerto Rico Seismic Network****787 833-8433** |
| **Edwin Elías****Vice-President, WIPR-AM-FM-TV****787 766-0505** | **Jesús A. Frau-Crespo****DHS/FEMA Caribbean Area Division****787 296-3505** |
| **Arnaldy Medina****RF Engineer, Chief Operator** **WAPA-TV, San Juan****787 792-4444** | **Wilfredo Ramos****Puerto Rico Emergency Management Agency****787 308-6855** |
| **Héctor J. Santos****Liberty Cable Aguadilla** | **Ernesto Morales, Meteorologist****Warnings Coordinator****National Weather Service****787 662-2275** |

IV. Organization and Concepts of the Puerto Rico EAS

* 1. EAS Designations

These are the FCC's EAS Stations Designations reflecting the EAS status of every broadcaster and cable operator. Consult the FCC Mapbook in the Appendix of this Plan to determine your EAS Designation.

* NP (National Primary)- Sole source of all National EAS Alerts. These stations will be monitored by Puerto Rico's SR and LP stations.
* SR (State Relay) - In Puerto Rico, a FM station in your area which is programmed directly from San Juan. SR stations are primary sources of State EAS Messages. They will also be relaying National, Local and Weather Alerts.
* LP- I (Local Primary) -The local broadcast station with complete coverage of the area. In some large areas where the LP-I does not have full coverage, a new LP-2 has been designated to cover the far reaches of that area. LP-I and LP-2 stations are primary sources of Local Area Emergency EAS Messages.
* PN (Participating National) - Most normal broadcasters and cable operators are designated as "PN". These sources will deliver all level of EAS messages to the general public.

B. Other Definitions

 The following are other terms used in the organization of the Puerto Rico EAS Plan:

* STATE EOC - Puerto Rico Emergency Operation Center in San Juan. Origination point for State EAS Messages and source of feeding the State SR Stations.

###### NOAA (National Weather Service Radio)- NOAA Weather Radio Stations originating weather and other EAS approved alerts, using SAME encoding.

* NUCLEAR PLANT / INDUSTRIAL PLANT - As part of the EAS nuclear plants and industrial plants with a potential for dangerous conditions will most likely have their own EAS Encoder broadcasting on a two-way radio channel. This way, they may warn area emergency managers directly of any potentially hazardous condition. Emergency Services agencies that monitor this channel with the EAS Decoder can be warned immediately and relay the message to every area broadcaster and cable operator. Further, if the Emergency Services EAS Decoder monitors area broadcasters and cable operators, it will confirm when those sources pass on the emergency message.

C. Delivery Plan

Most EAS alerts in Puerto Rico are originated in San Juan, either by the National Weather Service or the State OEC, and delivered simultaneously through the NOAA Weather Radio and the State Relay Stations.

All stations/operators are encouraged to monitor three (3) sources in order to assure redundancy for most alerts.

Consult the Monitoring Assignments section of this Plan to determine the sources that each broadcaster and cable operator should monitor.

1. EAS Header Code Information
	1. EAS Header Code Analysis

An EAS Header Code contains the following elements sent in the following sequence:

 (Go to page 8)

* *(Preamble) ZCZC-ORG-EEE-PSSCCC+TTTT-JJJHHMM-LLLLLLLL-*
* *Attention Signal*
* *Aural, Visual, or Text Message*
* *(Preamble) NNNN*

*[Preamble] = (Clears the system) - Sent automatically by your Encoder.*

*ZCZC = (Start of ASCII Code) - Sent automatically by your Encoder.*

*ORG = (Originator Code) - Preset once by user, then sent automatically by your Encoder.*

 *See following Section (B) for code you must use.*

*EEE = (Event Code) - Determined by user, each time an alert is sent. See following*

 *Section (C) for the only codes to be used in Puerto Rico.*

*PSSCCC = (Area-Location Code) - Determined by user, each time an alert is sent. See*

 *following Section (D) for the assigned codes of all*

 *Puerto Rico Areas.*

*TTTT = (Duration of Alert) - Determined by user, each time an alert is sent.*

*JJJHHMM = (Date/Time-of-Day) - Sent automatically by your Encoder.*

*LLLLLLLL = (8-Character ID, Identifying the Broadcaster, Cable TV, Weather Service Office,*

 *Nuclear/Industrial Plant, or Civil Authority operating that Encoder.)*

 *Preset once by user, then sent automatically by your Encoder. See following*

 *Section (E) for format to be followed by all users in constructing their "L-Code".*

*Attention Signal - Must be sent if aural, visual, or text message is sent.*

*[Preamble] = (Re-clears the system) - Sent automatically by your Encoder when you initiate the*

 *End-of-Message sequence.*

*NNNN = (End-of-Message Code) - Must be initiated manually at the end of every EAS Alert*

 *originated by all sources. A failure of the system will occur if this code is not*

 *sent to reset the Decoders of all stations/operators that carried that alert.*

* 1. Puerto Rico Originator Codes

Following are the only Originator Codes to be used by sources in Puerto Rico:

**WXR** - To be used by National Weather Service Offices

**CIV** - To be used by Emergency Government, Police, and all other Civil Authorities

**EAS** - To be used by all Broadcasters and Cable TV Operators

* 1. Puerto Rico Event Codes

Whether used under the authority of the State EAS Plan, or any of the Area/Local EAS Plans, the following are the only Event Codes to be used in Puerto Rico by anyone for any purpose. No codes can be added without FCC approval. Local Area EAS Plans which desire to use a code not on this list, should submit that code request to the SECC for FCC approval and subsequent addition to this list. This list will be maintained as a "Master List" for all Event Codes used in Puerto Rico.

**Mandated FCC Codes**

The FCC requires that broadcasters and cable operators program their EAS Decoders for the following events:

"EAN" (National EAS Activation)= Must be retransmitted immediately. "EAT" (National EAS Termination)= Must be retransmitted immediately.

"RMT" (Required Monthly Test) containing your Area of License code= Must be retransmitted Within 15 minutes after receiving it.

"RWT" (Required Weekly Test) containing your Area of License code= This received test need only to be logged. No rebroadcast.

**PUERTO RICO NWS-SAME EVENT CODES**

|  |  |
| --- | --- |
| **EAS EVENT CODE** | **EVENT NAME** |
| **CAE** | **Child Abduction Emergency** |
| **CDW** | **Civil Danger Warning** |
| **CEM** | **Civil Emergency Warning** |
| **DMO** | **Practice/Demo Warning** |
| **EAN** | **Emergency Action Notification** |
| **EAT** | **Emergency Action Termination** |
| **EQW** | **Earthquake Warning** |
| **EVI** | **Evacuation Immediate** |
| **FFW** | **Flash Flood Warning** |
| **FLW** | **Flood Warning** |
| **HUW** | **Hurricane Warning** |
| **HWW** | **High Wind Warning** |
| **NPT** | **National Periodic Test** |
| **RMT** | **Required Monthly Test** |
| **RWT** | **Required Weekly Test** |
| **SPS** | **Special Weather Statement** |
| **TOR** | **Tornado Warning** |
| **TSW** | **Tsunami Warning** |

###### Puerto Rico Area-Location Codes ("PSSCCC")

The first digit ("P") can be used to indicate one-seventh of the area code it precedes, in the following pattern:

|  |  |  |  |
| --- | --- | --- | --- |
| 1-SAN JUAN | 2-ARECIBO | 3-AGUADILLA | 4-MAYAGÜEZ |
| 5-PONCE | 6-GUAYAMA | 7-HUMACAO | 0-ALL AREAS |

The remaining 5 digits ("SSCCC") indicate the municipality, as listed below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Municipality** | **Code** | **Municipality** | **Code** | **Municipality** | **Code** |
| Adjuntas | 72001 | Fajardo | 72053 | Naguabo | 72103 |
| Aguada | 72003 | Florida | 72054 | Naranjito | 72105 |
| Aguadilla | 72005 | Guánica | 72055 | Orocovis | 72107 |
| Aguas Buenas | 72007 | Guayama | 72057 | Patillas | 72109 |
| Aibonito | 72009 | Guayanilla | 72059 | Peñuelas | 72111 |
| Añasco | 72011 | Guaynabo | 72061 | Ponce | 72113 |
| Arecibo | 72013 | Gurabo | 72063 | Quebradillas | 72115 |
| Arroyo | 72015 | Hatillo | 72065 | Rincón  | 72117 |
| Barceloneta | 72017 | Hormigueros | 72067 | Río Grande | 72119 |
| Barranquitas | 72019 | Humacao | 72069 | Sábana Grande | 72121 |
| Bayamón | 72021 | Isabela | 72071 | Salinas | 72123 |
| Cabo Rojo | 72023 | Jayuya | 72073 | San Germán | 72125 |
| Caguas | 72025 | Juana Díaz | 72075 | San Juan | 72127 |
| Camuy | 72027 | Juncos | 72077 | San Lorenzo | 72129 |
| Canóvanas | 72029 | Lajas | 72079 | San Sebastián | 72131 |
| Carolina | 72031 | Lares | 72081 | Santa Isabel | 72133 |
| Cataño | 72033 | Las Marías | 72083 | Toa Alta | 72135 |
| Cayey | 72035 | Las Piedras | 72085 | Toa Baja | 72137 |
| Ceiba | 72037 | Loíza | 72087 | Trujillo Alto | 72139 |
| Ciales | 72039 | Luquillo | 72089 | Utuado | 72141 |
| Cidra | 72041 | Manatí | 72091 | Vega Alta | 72143 |
| Coamo | 72043 | Maricao | 72093 | Vega Baja | 72145 |
| Comerío | 72045 | Maunabo | 72095 | Vieques | 72147 |
| Corozal | 72047 | Mayagüez | 72097 | Villalba | 72149 |
| Culebra | 72049 | Moca | 72099 | Yabucoa | 72151 |
| Dorado | 72051 | Morovis | 72101 | Yauco | 72153 |

E. Puerto Rico "L-Code" Formats

This 8-character code is affixed to every EAS message originated or re­ transmitted by every EAS encoder. The code identifies the particular broadcaster, cable operator, Weather Service Office, nuclear/industrial plant, or civil authority operating that encoder. "L-Code" ID's must adhere to the following formats. No deviations from these formats are allowed, since using certain other characters would cause an error on the system.

Three or more Stations: The call letters of the station is sufficient. All other stations sending the alert should keep a log of the alerts sent. As should the ID's station. (Per FCC)

*Broadcasters:*

 *Single Station: "WXXX(FM)"*

 *Two Stations: "WXXXWYYY"*

*Cable TV:*

 *(To be determined by the to-be-named SECC Cable TV Co-Chair.)*

*Weather Service Offices:*

 *Use the letters "NWS" followed by the call sign of the NOAA Weather Radio Station*

 *the alert. Examples: "NWSKEC60" "NWSKIG65"*

*Civil Authorities:*

 *This code uses three components in constructing its 8-character code.*

 *Portion of "L-Code" Source of Characters*

* *First four characters = First four letters of name of jurisdiction (Name os Area, City, etc)*
* *Next two characters = Abbreviation for type of jurisdiction: for Area use "AR"*
	+ *For City use "CY"*
	+ *For Municipality use "MY"*
* *Last two characters = Abbreviation for type of agency: For Police Superintendent use "PS"*
	+ *For Fire Dept. use "FD"*
	+ *For Police Dept. use "PD"*
	+ *For Traffic Authority use "TA"*
	+ *For Emergency Service use "ES"*
	+ *For Emergency Government use "EG"*
	+ *For Emergency Management use "EM"*
	+ *For Civil Defense Offices use "CD"*

*Examples: Coamo Civil Defense = COAMMYCD. San Juan Police Dept = SANJUCYPD*

*Note: Military groups use: "US ARMY", "US NAVY", "AIR FORCE", "USMC", "USCG"*

*Private Industry:*

*Nuclear Plants: None at the present time in Puerto Rico*

*Industrial Plants: Submit a logical code to the SECC for approval and inclusion in this Plan.*

1. EAS Tests

The following requirements regarding both RWT's and RMT's apply to all cable operators and all broadcasters. "PN" stations that have elected not to participate in local EAS alerts must still rebroadcast their local RMT every month.

There are two exceptions to these rules. First, Class "D" FM and LPTV stations need not to have an EAS Encoder. They must have an EAS Decoder. Thus, these stations are exempt from running the weekly digital code RWT test. However, they must retransmit monthly RMT test as outlined below minus the EAS Header Codes and Attention Signal. In addition LPTV stations must present all EAS information visually just as all other TV stations must do. The second exception is for FM Translator and TV Translator stations which are not required to have any EAS equipment.

* 1. Required Weekly Test (RWT)
		1. Transmission: All broadcasters and cable operators must transmit an RWT once each week at random days and times except for the week of the RMT test. There are no time-of-day restrictions. This is a 10.5 second test consisting only of the EAS Header and End-of-message Codes.
		2. Reception: All broadcasters and cable operators receiving a RWT from one of their monitored sources must log receipt of this test. No further action is required.
	2. Required Monthly Test (RMT)
		1. Transmission: RMT's are to be initiated by SR and LP-2 stations. During some months the test will actually be initiated by NOAA or the Emergency Operation Center associated with these stations in this State plan. During the designated week for this test all other broadcasters and cable operators are to wait for this test and then react as described in (4) below. These tests shall always use the event code "RMT", never codes such as "State Test", or "Local Area Test".
		2. Scheduling of RMT's / Week and Time-of-Day:
			+ RMT's shall always occur during the first full Sunday-thru-Saturday week of the month
			+ Time frame and organization of the RMT test shall adhere to the following format:

|  |  |  |  |
| --- | --- | --- | --- |
| **MONTH** | **TIME FRAME** | **STATION** | **ORIGINATING SOURCE** |
| **JANUARY** | *DAY / 8:30 AM to Local Sunset* | **SR** | STATION STAFF |
| **FEBRUARY** | *NITE / Local Sunset to 8:30 AM* | **LP** | STATION STAFF |
| **MARCH** | *DAY/ 8:30 AM to Local Sunset* | **LP** | NOAA |
| **APRIL** | *NITE / Local Sunset to 8:30 AM* | **SR** | PUERTO RICO EOC |
| **MAY** | *DAY / 8:30 AM to Local Sunset* | **LP** | STATION STAFF |
| **JUNE** | *NITE / Local Sunset to 8:30 AM* | **LP** | NOAA |
| **JULY** | *DAY / 8:30 AM to Local Sunset* | **SR** | PUERTO RICO EOC |
| **AUGUST** | *NITE / Local Sunset to 8:30 AM* | **LP** | STATION STAFF |
| **SEPTEMBER** | *DAY / 8:30 AM to Local Sunset* | **LP** | NOAA |
| **OCTOBER** | *NITE / Local Sunset to 8:30 AM* | **SR** | STATION STAFF |
| **NOVEMBER** | *DAY / 8:30 AM to Local Sunset* | **LP** | STATION STAFF |
| **DECEMBER** | *NITE / Local Sunset lo 8:30 AM* | **LP** | NOAA |

NOTES:

* SR= Test will come from the State Relay station that you monitor.
* LP= Test will come from the Local Primary station that you monitor.
* STATION STAFF = Station staff will determine the time when the test will be originated.
* NOAA = NOAA will send the RMT at its discretion. The LP station must then rebroadcast this test within 15 minutes of receiving it.
* PUERTO RICO EOC = The State EOC will send the RMT at its discretion. The SR stations must then rebroadcast this test within 15 minutes of receiving it.
	+ 1. Scheduling of RMT's Recommended Time Constraints

SR and LP stations as well as NOAA and the State EOC are requested to use judgment in the scheduling of times for RMT's. Since all broadcasters and cable operators are required to rebroadcast this test within 15 minutes of receiving it, care should be taken to not put undue hardship on TV broadcasters in particular when they are carrying their highest revenue programming. On a daily basis these periods would include all mayor newscasts: early morning, noontime, evening, and late evening. In addition, the times of mayor events are recommended to be avoided, such as: pre-planned Presidential and Governor Speeches, hours of a major national or local news story carried outside of normal newscast hours, local and national election coverage, and mayor sporting events like the World Series games and the Superbowl.

Broadcasters and cable operators which have a complaint regarding the scheduling of RMT's Area should make their concerns known to their Area Chair (see "The Puerto Rico SECC" section in this Plan for names). If satisfactory resolution is not reached at that level the State EAS Chair should be contacted.

* + 1. Reception/Retransmission of RMT's

All broadcasters and cable operators receiving an RMT test must re-transmit this test within 15 minutes of receiving the test. (For Daytime-only stations receiving a night-time RMT, this test must be re-transmitted within 15 minutes of the Daytime-only station's sign-on). Transmission of this RMT test takes the place of the required Weekly Test (RWT). Times should be logged for both the receipt and re-transmission of the RMT test. Broadcast and cable management should impress upon their staff that re-transmission of this test is not an option. It is an FCC violation to fail to re-transmit this test within 15 minutes of receiving it. The best policy may be to set your EAS unit for a 15 minutes automatic countdown upon receiving an RMT. If the operator on duty does not send the test manually within that window, the box will do it for him when times runs out.

* 1. Time-Duration and Area-Location Codes to be Used
* TIME-DURATION used in the EAS Header Code for all EAS Tests shall be "30 MINUTES".
* COUNTY-LOCATION codes used in the EAS Header Code for EAS Test shall conform to these guidelines:

SR Stations: All tests RWT and RMT shall use the Location Code for the entire state (072000).

LP Stations: All tests, RWT and RMT, shall use the Location Code for all cities in that LP station's Local Area of responsibility. To determine the cities in their Local Area of responsibility each LP station should consult the "Boundary Map of Puerto Rico EAS Local Areas" and/or the cover sheet for the "FCC Mapbook" both found in the appendix of this Plan. Under the new EAS Plan, some cities have been moved compared to the old EBS Plan. Please read carefully.

PN Stations and Cable Operators: RMT tests shall be re­ transmitted unchanged, except for the "L-Code". Thus RMT's will include all cities present in the original message. For the RWT originated each week by each PN and NN station, and each cable operator, the city-location code used shall be the city for the broadcaster's City of License, or cable operator's Community of License. Other cities in the station's/system service area may be added at management discretion.

1. Puerto Rico EAS Scripts and Formats
	1. Test Scripts and Formats

The following test scripts and formats shall be used by all Puerto Rico broadcasters, cable operators, and emergency agencies when originating EAS test.

* + 1. RWT: No script is used for RWT. Entire test takes 10.5 seconds. Format is as follows:
			- Stop regular programming
			- one-second pause
			- Send EAS Header Code 3 times
			- one-second pause
			- Send EAS End-of-Message Code 3 times
			- one-second pause
			- Resume normal programming
		2. RMT: SR stations, LP stations, and emergency agencies originating this test should use the following format. All other broadcasters and cable operators

will receive the test in this format, and must re-transmit it within 15 minutes in the same format. Format is as follows:

* + - * Stop regular programming
			* Optional intro: "This is a test of the (Local Area) Puerto Rico Emergency Alert System".

*Spanish Version: "Esto es una prueba del Sistema de Alerta de Emergencias para (Área Local)".*

* + - * one-second pause
			* Send EAS Header Code 3 times (All sources must use Event Code "RMT" for this test).
			* one-second pause
			* Send EAS Attention Signal (8 to 25 seconds)
			* Read Test Script: "This is a test of the (Local Area) Puerto Rico Emergency Alert System. In the event of an emergency, this system would bring you important information. This test is now concluded".

*Spanish version: Esto es una prueba def Sistema de Alerta de Emergencias para (Area local). En el caso de una emergencia, este sistema le traera información de importancia. Esto concluye esta prueba* ".

* + - * one-second pause
			* Send EAS End-of-Message code 3 times
			* one-second pause
			* Resume normal programming

Timing Note: The script above can be read in 9-10 seconds. All other elements of the RMT (the Heather Codes and an 8-second Attention Signal) take from 19-21 seconds to complete (that length depending on the number of area codes contained in the Header). The goal of writing this short script was to fit the entire test into a 30-second time period.

SR stations, LP stations, and emergency agencies should make every attempt to complete this test within 30 seconds. Pre-recording the script at the length needed to achieve this goal would probably be helpful.

Script Note: (Local Area) = LP's: Use the name of your Local Area found in this Plan (such as "Arecibo", "Guayama", etc.).

 SR's: Use the phrase, "Puerto Rico".

* 1. Real-Alert Activation Scripts and Formats
		1. STATE ACTIVATION

The State EOC shall transmit the following message to all Puerto Rico broadcasters and cable operators via the SR station network previously described. Format is as follows:

* + - * Send ACTIVATION SCRIPT-CUT 1:

'We interrupt this program to activate the Puerto Rico Emergency Alert System, because of a statewide emergency. Important information will follow". (0:15).

Spanish version:

*"lnterrumpimos este programa para activar el Sistema de Alerta de Emergencia de Puerto Rico por una emergencia estatal. Continuaremos con informaci6n de importancia".*

* + - * Until the Governor is ready with emergency message, repeat FILL COPY SCRIPT:

"This message is originating in the Puerto Rico Operating Center in San Juan. Normal broadcast programming has been interrupted to activate the Puerto Rico Emergency Alert System because of a statewide emergency. All Puerto Rico stations are requested to stand-by for an announcement from the Governor of Puerto Rico. Broadcast stations will be given a countdown prior to the Governor's address. This is the Puerto Rico Alert System. Stay tuned for important information". (0:35)

Spanish version:

*"Este mensaje se origina en el Centro de Operaciones de Puerto Rico en San Juan. La programación normal ha sido interrumpida para activar el Sistema de Alerta de Emergencias de Puerto Rico. Por una emergencia estatal.*

*Se le pide* a *todas las estaciones de Puerto Rico* a *estar*

*pendiente* a *un mensaje def Gobernador de Puerto Rico. Se le dará* a *las estaciones un conteo regresivo antes del mensaje del Gobernador. Este es el Sistema de Alerta de Emergencias de Puerto Rico. Manténgase sintonizado para información de importancia.*

* + - * When the Governor is ready with the emergency message, send COUNTDOWN SCRIPT:

"Three minutes to the Governor's address".

'This is the Puerto Rico Emergency Alert System. Stay tuned for important information. All broadcast stations and cable system in Puerto Rico should prepare to re-broadcast live the following emergency message. This is a countdown to an announcement from the Governor of Puerto Rico. That message begins in 2½ minutes".

Previous message repeats, ending "That message begins in 2 minutes".

Previous message repeats, ending "That message begins in 1 ½ minutes".

Previous message repeats, ending "That message begins in 1 minute".

Previous message repeats, ending "That message begins in 30 seconds".

Spanish version:

*''Tres minutes para el mensaje de/ Gobernador''.*

*"Este es el Sistema de Alerta de Emergencias de Puerto Rico. Mantengase sintonizado para información de importancia. Todas las estaciones y sistemas de cable de Puerto Rico deben prepararse para retransmitir el siguiente mensaje de emergencia. Esto es una cuenta regresiva para un mensaje de/ Gobernador de Puerto Rico. Este mensaje comenzará en 2 minutos y medio.*

*Se repite el mensaje anterior terminando: "Este mensaje comenzará en 2 minutos".*

*Se repite el mensaje anterior terminando: "Este mensaje comenzará en minuto y medio".*

*Se repite el mensaje anterior terminando: "Este mensaje comenzará en 1 minuto"*

*Se repite el mensaje anterior terminando: "Este mensaje comenzará en 30 segundos"*

* + - * one-second pause
			* Send EAS Header Code 3 times [with Event Code "STA" (State Priority Activation)]
			* one-second pause
			* Send EAS Attention Signal
			* Send GOVERNOR'S INTRO SCRIPT

'The Puerto Rico Emergency Alert System has been activated due to a statewide emergency. Stay tuned for important information. This is the Puerto Rico Emergency Alert System. Following is an announcement from the governor of Puerto Rico". (0:15)

Spanish Version:

*"El Sistema de Alerta de Emergencias de Puerto Rico ha sido activado por una emergencia estatal. Manténgase sintonizado para información de importancia. Este es el Sistema de Alerta de Emergencias de Puerto Rico. A continuación un mensaje def Gobernador de Puerto Rico".*

* Governor gives live address NOT TO EXCEED 5 AND ½ MINUTES (Some EAS Decoders may automatically reset and cut him off if it is longer).
* Following the Governor's address send TERMINATION SCRIPT: "This concludes EAS programming. All broadcast stations and cable systems may now resume normal operations. (0:10)

Spanish Version:

*"Esto concluye la programación del EAS. Todas las estaciones y sistemas de cable pueden ahora continuar con su operación normal".*

* one- second pause
* Send EAS End-of-Message Code 3 Times
* one-second pause
	+ 1. LOCAL AREA ACTIVATION

Areas which have developed a specific Local Area EAS Plan (which is attached to this State EAS Plan) will have their own Activation Format presented in their Local Area Plan. The following is a suggested Local Ara Activation Format for general use by Areas which have not developed a specific EAS Plan.

* + - * Stop regular programming
			* Optional Intro:

'We interrupt this program to activate the (Local Area) Area, Puerto Rico Emergency Alert System. Important information will follow". (0:05)

Spanish version:

*"lnterrumpimos este programa para activar el Sistema de Alerta de Emergencia de Puerto Rico para el Area de (Area). Continuaremos con información de importancia".*

* + - * one-second pause
			* Send EAS Header Code 3 times (Use appropriate Event Code from list provided in "Puerto Rico Event Codes" section of this Plan).
			* one-second pause
			* Send EAS Attention Signal (8 to 25 seconds)
			* Activation Announcement:

'We interrupt our regular programming to activate the (Local Area) Area of the Puerto Rico Emergency Alert System. At the request of (Emergency Agency), all EAS stations in (Local Area) Area should rebroadcast the following (Type of Alert/Matches Event Code) announcement. This is the (Local Area) Area Emergency Alert System. Important information will follow''. (0:25).

Spanish version:

*"lnterrumpimos nuestra programación regular para activar el Sistema de Alerta de Emergencias de Puerto Rico para el Área (Área). A solicitud de (Agencia de Emergencia) todas las emisoras del Area de (Area) deben transmitir el siguiente mensaje de (Tipo de Alerta). Este es el Sistema de Alerta de Emergencias para el Área de (Área). Continuaremos con información de importancia".*

* + - * Broadcast emergency message
			* Termination announcement:

"This is the (Local Area) Area of the Puerto Rico Emergency Alert System. All (Local Area) Area EAS stations are required to re-broadcast the preceding announcement, which was issued by (Emergency Agency). We now resume normal programming".

Spanish version:

*"Esta es el Área de (Area) del Sistema de Alerta de Emergencias de Puerto Rico. Todas las emisoras del Área de (Area) del EAS deberán retransmitir el mensaje anterior emitido por (Agencia de Emergencia). Resumimos nuestra programación regular."*

* one-second pause
* Send EAS End of-Message Code 3 times
* Resume normal programming

VIII. Guidance for Originators of EAS Alerts

1. Guidance for National Weather Service Personnel

NWS personnel should issue EAS Weather Alerts via the Weather Teletype, and on NOAA Weather radio using the NOAA-SAME/EAS Codes. NWS procedures should be followed relating to the transmission of the SAME-EAS Codes, the 1050 Hz Alert tone, and the reading of the weather bulletin script. Considering that NOAA Weather radio is being envisioned in the future as an "All-Hazards Radio" network, alerts for other than weather emergencies may soon be originated by NWS personnel. In the event that NWS personnel originate non­ weather EAS Alerts, procedures found in this Plan (and its associated Local Area EAS Plans) regarding those alerts should be followed.

1. Guidance for Puerto Rico Emergency Services Personnel

The Emergency Alert System (EAS) is designed so that agencies with an emergency message need transmit that message only once, and it will be received by all area broadcasters and cable operators simultaneously. In order to generate this EAS message for transmission to broadcasters and cable operators a device called an EAS Encoder is needed. This unit is then fed to your two-way radio, over which it will be received by local broadcasters and cable operators and will then automatically trigger their EAS Decoders to deliver your message.

**At the present time most areas have not yet purchased their EAS encoder.** Once you have it, you will be able to alert your area broadcasters and cable operators directly.

A WORD OF CAUTION: Emergency Services agencies have acquired a valuable new tool in gaining direct access to all area broadcasters and cable operators via the EAS. However, if not used prudently, you put yourself in danger of losing this tool. Broadcasters and cable operators are expecting the EAS to be used only for life-threatening emergencies. Keep in mind t-.-o things. First, some broadcasters and cable operators have their EAS Decoder;; set on Automatic Mode. There is no one there to screen your message and decide if it should be aired. They are depending on you to only send an EAS Alert for a very serious emergency. The first time you trigger the system for a frivolous event, you will lose the confidence of your area broadcasters and cable operators. The second thing to remember is that broadcasters and cable operators participate in the local-level EAS on a voluntary basis. No one can force them to carry your EAS Alerts. Maintain a good relationship with your local broadcasters and cable operators, and they will come through for you in a crisis.

1. Guidance for Nuclear Plant and Industrial Plant Personnel

Nuclear Plants and certain Industrial Plants are the only non-governmental entities that have been given the authority to issue an EAS Alert. The caution given to Emergency Services' agencies in section (B) above should be reviewed by Nuclear and Industrial Plant personnel as well.

1. Guidance for all Users in Programming their EAS Decoders in Puerto Rico

This section is provided to aid users of the EAS, primarily broadcasters and cable operators in programming the Event Codes Area-Location Codes and Modes of Operations into their EAS Decoder. This information can also be of value to Emergency Services and Nuclear/Industrial Plant personnel who are making use of the Decoder section in their EAS gear.

Each EAS Alert that you want to program your EAS gear to respond to will require that you tell it those three elements: which Event Code you want it to respond, which Area that event should apply to, and what Mode of Operation you want it to respond in.

* 1. Modes of operation

All EAS Decoders must be capable of at least Manual and Automatic Operation. Some manufacturers also offer a Semi-Automatic Mode.

* + - Manual Operation: Your EAS gear will only notify you of any incoming EAS

 Alert that you have programmed it to respond. Your operator must push a button to cause the Alert to be re-transmitted on your station/cable system.

* + - Automatic operation: This type of operation would normally be used with a Program Interrupt Connection on the EAS unit. Your on-air audio and/or video is "looped through" the EAS Unit so that the unit can interrupt the audio/video when necessary. In Automatic Operation, when the EAS Decoder receives an EAS Alert that you have programmed it to respond, it immediately interrupts your programming to transmit the EAs Alert.
		- Semi-Automatic operation: Under this mode of operation when the EAS Decoder receives an EAS Alert that you have programmed it to respond to, it will be begin a preset countdown to automatic interrupt. The idea is for your operator to run the EAS Alert on the air manually at his earliest convenience. If the Alert is not run by the time the preset countdown time expires, the EAS gear will take over and do it for your operator. The same could apply to a broadcast automation system, where the automation system should insert the received Alert in the next commercial break. If it fails to do that, the EAS gear will interrupt to transmit the Alert at the end of the time- out.

 You can program your EAS gear to respond to different Alerts in different Modes, such as responding to all Weather Watches in Manual Mode, and all Weather Warning in Automatic Mode. The required Monthly Test (RMT} which must be retransmitted within 15 minutes of receipt could be programmed for Semi-Automatic Mode within a 15-minute countdown.

 This would give your operator the opportunity to run the RMT himself at a break in his show. However, if he forgets, the EAS gear would then do it for him to prevent you from committing an FCC Violation.

 Broadcasters using "Unattended Operation" must run their EAS gear in Automatic mode.

* 1. Area-Location Code to Use

There are certain events, which you will receive for you Area of License that you must program your EAS gear to respond to. A list of those events is shown on the next page. When programming your EAS gear for other optional EAS Alerts, you will want to include any other Area in your "service area" that you wish to provide Alerts to your listeners/viewers for. Again, each type of Alert can include whatever Areas you wish to be alerted for. You can also tell your EAS gear to notify you in the Manual Mode of any EAS Alert received for you Area of License. In this way you do not have to program all the events separately. You can then program separately the events you actually want it to take over the station/system for in the Automatic Mode.

#####  **EVENT CODES YOU MUST PROGRAM IN YOUR EAS DECODER**

|  |  |
| --- | --- |
| **EAS EVENT CODE** | **EVENT NAME** |
| **CAE** | **Child Abduction Emergency** |
| **CDW** | **Civil Danger Warning** |
| **CEM** | **Civil Emergency Warning** |
| **DMO** | **Practice/Demo Warning** |
| **EAN** | **Emergency Action Notification** |
| **EAT** | **Emergency Action Termination** |
| **EQW** | **Earthquake Warning** |
| **EVI** | **Evacuation Immediate** |
| **FFW** | **Flash Flood Warning** |
| **FLW** | **Flood Warning** |
| **HUW** | **Hurricane Warning** |
| **HWW** | **High Wind Warning** |
| **NPT** | **National Periodic Test** |
| **RMT** | **Required Monthly Test** |
| **RWT** | **Required Weekly Test** |
| **SPS** | **Special Weather Statement** |
| **TOR** | **Tornado Warning** |
| **TSW** | **Tsunami Warning** |

### APPENDIX A - TABLE OF MONITORING ASSIGNMENTS

**Area: STATE EAS ORIGINATION POINT**

 PREMA HEADQUARTERS- SAN JUAN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **Input#3** | **Input#4** |
| Monitored source | NP/LP-1Station WKAQ | SR Station WKAQ-FM | NOAAWXJ-68 |  IPAWS |
| Frequency | 580mHz | 104.7 kHz | 162.4mHz |  Internet |
| EAS Levels | N | N/S | W |  N |

**Local Area: SAN JUAN AREA**

**WKAQ-FM "104.7 mHz, San Juan STATE RELAY" (SR) STATION MONITOR ASSIGNMENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **Input#3** | **Input#4** |
| Monitored source | Puerto RicoEOC | NOAAWXJ-68 | SR Station WKAQ-FM | IPAWS |
| Frequency | Direct Feed | 162.4mHz | 104.7kHz | Internet |
| EAS Levels | S | W | *NISIUW* | N |

**WKAQ-580 kHz: Local Primary (LP-1) Station MONITOR ASSIGNMENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **Inuut#3** | **Inuut#4** |
| Monitoredsource | FEMA PEP Link | SR StationWKAQ-FM | NOAAWXJ-68 | IPAWS |
| Frequency | Satellite | 104.7 kHz | 162.4mHz | Internet |
| EAS Levels | N | N/S/L/W | W | N |

######  Local Area: SAN JUAN AREA

ALL PN STATIONS / CABLE OPERATORS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **1-Mandated** | **2-Mandated** | **3-Mandated** | **4-Mandated** |
| Monitoredsource | SR StationWKAQ-FM | LP-1 StationWKAQ | NOAAWXJ-68 | IPAWS |
| Frequency | 104.7mHz | 580kHz | 162.4mHz | Internet |
| EAS Levels | *NISIUW* | N/S/L/W | w | N |

Local Area: ARECIBO AREA

WERR-FM, 104.1 mHz, Utuado-STATE RELAY (SR) STATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **lnput#l** | **lnput#2** | **lnput#3** | **lnput#4** |
| Monitoredsource | SR StationWKAQ-FM | LP-I StationWCMN | NOAA WNJ-68or69 | IPAWS |
| Frequency | 104.7mHz | 1280kHz | 162.4mHz162.55mHz | Internet |
| EAS Levels | *NIS!UW* | *NISILJW* | w | N |

WCMN-1280 kHz: Local Primary (LP-I) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **lnput#2** | **Input#3** | **Input#4** |
| Monitoredsource | SR StationWERR-FM | LP-2 StationWKAQ | NOAA WXJ-68or69 | IPAWS |
| Frequency | 104.1 mHz | 580kHz | 162.4mHx162.55mHz | Internet |
| EAS Levels | *NISILJW* | *NIS!UW* | w | N |

Local Area: ARECIBO AREA

ALL PN STATIONS / CABLE OPERATOR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **2-Mandated** | **3-Mandated** | **4-Mandated** |
| Monitoredsource | SR StationWERR-FM | LP-I StationWCMN | NOAAWXJ-68or69 | IPAWS |
| Frequency | 104.1 mHz | 1280kHz | 162.4mHz162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | *N/S/L/W* | W | N |

Local Area: AGUADILLA AREA

WIVA-FM, 100.3 mHz,Aguadilla-STATE RELAY (SR) STATION MONITOR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **lnput#3** | **Input#4** |
| Monitoredsource | SR StationWKAQ-FM | LP-1 StationWABA-AM | NOAAWXJ-69 | IPAWS |
| Frequency | 104.7mHz | 850kHz | 162.55mHz | Internet |
| EAS Levels | N/S/1.JW | *NISILJW* | w | N |

###### WABA-850 kHz: Local Primary (LP-1) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **INPUT** | **Input#I** | **Input#2** | **Input#J** | **Input#4** |
| Monitoredsource | SR StationWUKQ-FM | SR StationWIVA-FM | NOAAWXJ-69 | IPAWS |
| Frequency | 98.7mHz | 100.3 mHz | 162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | *N* |

Local Area: AGUADILLA AREA

All PN Stations *I* Cable Operators

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **2-Mandated** | **3-Mandated** | **4-Mandated** |
| Monitoredsource | LP-1 StationWABA | SR StationWIVA-FM | NOAAWXJ-69 | IPAWS |
| Frequency | 850kHz | 100.3 mHz | 162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | N |

Local Area: MAYAGUEZ AREA

WUKQ-FM, 98.7 mHz, Mayaguez - STATE RELAY (SR) STATION MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#I** | **Input#2** | **Input#J** | **Input#4** |
| Monitoredsource | SR StationWKAQ-FM | LP-1 StationWKJB | NOAA WXJ-69 | IPAWS |
| Frequency | 104.7 mHz | 710kHz | 162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | N |

WKJB-710 kHz: Local Primary (LP-1) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#I** | **Input#2** | **Input#J** | **Input#4** |
| Monitoredsource | SR StationWUKQ-FM | LP-1 StationWYEL | NOAAWXJ-69 | IPAWS |
| Frequency | 98.7mHz | 600kHz | 162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | N |

Local Area: MAYAGUEZ

All PN Stations /Cable Operators

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **2-Mandated** | **3-Mandated** | **4-Mandated** |
| Monitoredsource | LP-1 StationWKJB | SR StationWUKQ-FM | NOAAWXJ-69 | IPAWS |
| Frequency | 710kHz | 98.7mHz | 162.55mHz | Internet |
| EAS Levels | *N/S/L/W* | *N/S/L/W* | W | N |

###### Local Area: PONCE AREA

WZAR-FM, 101.9 mHz- STATE RELAY (SR) STATION MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **Input#3** | **lnput#4** |
| Monitoredsource | SR StationWKAQ-FM | LP-1 StationWPAB | NOAAWXJ-69 | IPAWS |
| Frequency | 104.7mHz | 550kHz | 162.55mHz | Internet |
| EAS Levels | N/S/L/W | N/S/L/W | W | N |

WPAB-550 kHz: Local Primary (LP-1) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **lnput#l** | **lnput#2** | **lnput#3** | **lnput#4** |
| Monitoredsource | SR StationWZAR-FM | SR StationWKAQ-FM | NOAAWXJ-69 | IPAWS |
| Frequency | 101.9mHz | 104.7mHz | 162.55mHz | Internet |
| EASLlWels | *N/S/L/W* | N/S/L/W | W | N |

Local Area: PONCE AREA

All PN Stations / Cable Operators

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **.2.; Mandated** | **J.;Mandated** | **4;.Mandated** |
| Monitoredsource | SR StationWZAR-FM | LP-1 StationWPAB | NOAAWXJ-69 | IPAWS |
| Frequency | 101.9mHz | 550kHz | 162.55mHz | Internet |
| EAS Levels | N/S/L/W | N/S/L/W | W | N |

Local Area: GUAYAMA AREA

WPRM-FM, 99.1 mHz, San Juan-STATE RELAY (SR) STATION MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **lnput#l** | **lnput#'J.** | **lnput#3** | **Input#4** |
| Monitoredsource | SR StationWKAQ-FM | lP-1 StationWHOY | LP-2 StationWPAB | IPAWS |
| Frequency | 104.7mHz | 1210kHz | 550kHz | Internet |
| EAS Levels | N/S/L/W | N/S/L/W | N/S/L/W | N |

WHOY-1210 kHz: Local Primary (LP-1) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **Input#2** | **lnput#3** | **Input#4** |
| Monitoredsource | SR StationWPRM-FM | lP-1 StationWKAQ-FM | LP-2 StationWZAR-FM | IPAWS |
| Frequency | 99.1 mHz | 104.?mHz | 101.9mHz | Internet |
| EAS Levels | N/S/L/W | N/S/L/W | N/S/L/W | N |

###### Local Area: GUAYAMA AREA

All PN Stations *I* Cable Operators

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **2-Mandated** | **3- Mandated** | **4- Mandated** |
| Monitoredsource | SR StationWPRM-FM | LP-1 StationWHOY | SR StationWZAR | IPAWS |
| Frequency | 99.1 mHz | 1210kHz | 101.9mHz | Internet |
| EAS Levels | *N/S/L/W* | *N/S/L/W* | *N/S/L/W* | N |

###### Local Area: HUMACAO AREA

WDOY-FM, 96.5mHz, Fajardo- STATE RELAY (SR) STATION MONITOR ASSIGNMENTS



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INPUT** | **Input #1** | **Input #2** | **Input #3** | **lnput #4** | **Input #5** |
| Monitored source | SR Station WKAQ- FM | LP-1 Station*WALO* | NOAAWXJ-68 | LP-2Station WYQE- FM | IPAWS |
|  | 104.7mHz | 1240kHz | 162.4mHz | 92.9mHz | Internet |
|  |  | *N/S/UW* | *N/S/L/W* | W | N/S/L/W | N |

WALO 1240 kHz: Local Primary (LP.:1) Station MONITOR ASSIGNMENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INPUT** | **Input#l** | **lnput#2** | **lnput#3** | **lnput#4** |
| Monitoredsource | SR StationWDOY-FM | LP-1 StationWYQE-FM | NOAAWXJ-68 | IPAWS |
| Frequency | 96.5mHz | 92.6mHz | 162.4mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | N |

Local Area: HUMACAO AREA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INPUT** | **I-Mandated** | **2-Mandated** | **3-Mandated** | **4- Mandated** | **5-Mandated** |
| Monitoredsource | LP-1 StationWALO | SR StationWDOY-FM | NOAAWXJ-68 | SR StationWYQE-FM | IPAWS |
| Frequency | 1240kHz | 96.5mHz | 162.4mHz | 92.9mHz | Internet |
| EAS Levels | *N/S/L/W* | N/S/L/W | W | *N/S/L/W* | N |

## **MONITORING ASSIGNMENTS FOR PUERTO RICO EAS STATIONS**

###### Stations are requested to monitor three (3) analog inputs in addition to the CAP digital IPAWS Internet input in order to assure redundancy to all alerts.

**GENERAL EXPLANATION OF MONITORING INPUTS**

Input # 1 - State Relay (SR) Stations

State Relay stations are the source for National and State EAS messages directly from WKAQ-AM-FM, Puerto Rico NP/ PEP/ SP station. They also provide redundancy and serve as back up to NOAA Weather Radio Alerts.

Input# 2 - Local Primary (LP-1) Stations

LP-1 Stations are sources of Local Area Emergency EAS Messages. Although seldom used for that purpose in Puerto Rico, since most weather, local and area of EAS messages are originated in San Juan, they also act as local back up to NOAA's and State's warnings.

Input# 3 - NOAA Weather Radio

Source for most EAS messages in Puerto Rico. Besides weather information and at the request of PREMA, NOAA Radio originates and disseminates all EAS messages through the Puerto Rico EAS System, except the National Primary (NP) messages.

APPENDIX B: NOAA WEATHER RADIO STATIONS AND COVERAGE

Under the EAS, NOAA Weather Radio stations are encoding all of their alerts using the same coding as used for EAS Alerts. (NOAA name their coding "SAME" - Specific Area Message Encoding.) Broadcasters and cable operators can feed their EAS Decoders with the audio from any normal NOAA Weather Radio receiver, and their EAS Decoder will react to those codes just as it does with broadcaster EAS codes.

NOAA WEATHER RADIO STATIONS SERVING PUERTO RICO

City, Call Sign, Frequency

Areas for which this station will send SAME/EAS-coded alerts

Note:\*= Area that is served by more than one NOAA Weather Radio Station

Aguas Buenas, WXJ-68, 162.4 MHz Areas: San Juan, Humacao, Arecibo\*

Maricao, WXJ-69, 162.55 MHz

Areas: Mayag0ez, Aguadilla, Arecibo\*, Ponce

The following areas are not currently served by any NOAA Weather Radio Station: Guayama

APPENDIX C: AGREEMENTS WITH "SR" AND "LP" STATIONS

This section is an accumulation of agreements with the Puerto Rico "SR" and "LP" Stations. In order to establish what sources these will monitor, and what EAS Alerts these stations will pass on, the following individual agreements were executed.

MONITORING

Under the Puerto Rico EAS Plan each level of EAS has at least two paths, and in some cases three paths, to reach the local broadcaster and cable operator. In order to guarantee this level of redundancy it is necessary for all Puerto Rico "SR" and "LP" Stations to monitor more than just two required sources. In this way, all broadcasters and cable operators will at least have the redundant paths delivered to them through their two mandated inputs (the SR and LP), in the event that those individual broadcasters and cable operators choose to monitor those additional sources as "optional" inputs on their own EAS Decoders.

RE-TRANSMISSION OF RECEIVED EAS ALERTS

These agreements reassure Emergency Services personnel that the most-urgent EAS Alerts that they generate are guaranteed to be re-transmitted by the "SR" and "LP" Stations in their Area. Further, this give guidance to local broadcasters and cable operators as to what EAS Alerts they can expect to receive from the "SR" and "LP" Stations. This will aid all stations in properly programming the codes in their EAS Decoders.

Although the possibility exists for local Emergency Services agencies to alert their local broadcasters and cable operators directly, it cannot be assume that all persons in the affected Area will be listening to a station within that Area. It is therefore imperative that the "SR" and "LP" Stations distribute the initial EAS Activation to all stations in the Area, in order to direct persons in the affected Area to their local broadcasters for more detailed information.

In the "Guidance for National Weather Service and Emergency Service Personnel" section of this Plan, those officials are cautioned that an EAS Activation should be initiated for life-threatening emergencies only. Broadcasters and cable operators who feel that local officials are not adhering to these guidelines should make their concerns known to their LAECC Chair.

**STATE EMERGENCY COMMUNICATIOS COMMITTEE**

**ALFONSO GIMÉNEZ-PORRATA**

**CHAIRMAN**

**WPAB-550-PONCE**

**P.O. BOX 7243**

**PONCE, PUERTO RICO 00732-7243**

**PH: 787 840-5550**

**CEL: 787 612-0088**

**FAX: 787 840-7077**

AGREEMENT WITH" " STATION W

W AGREES TO MONITOR ON ITS EAS DECODER(S) THE FOLLOWING SIX SOURCES

AREA:

\_ STATUS:

\_ STATION: W

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| INPUT | Input #1 | lnput#2 | Input #3 | lnput#4 | lnput#5 | Input #6 |
| MONITORED SOURCE | SR Station |  |  |  |  |  |
| FREQUENCY |  |  |  |  |  |  |
| EAS LEVELS | N/S/L/W |  |  |  |  |  |

EAS LEVELS: N= National, S= State, L= Local, W= Weather

W AGREES TO RE-TRANSMIT THE EAS ALERTS SHOWN BELOW FOR THE FOLLOWING

MUNICIPALITIES:

MUNICIPALITIES: \_

EAS ALERTS TO BE RE-TRANSMITTED:

Weather Codes: EAS Code "HUW" (Hurricane Warning)

EAS Code "FFW" (Flash Flood Warning)

Minimum Requirement: Send 10-second EAS Header Code Optional: Include EAS Attention Signal and Voice Message

Local Emergency Codes: EAS Code "CEW" (Civil Emergency Warning)

Minimum Requirements Send EAS Header Code, and

EAS Attention Signal and Voice Message

W AGREES TO THE PRECEDING CONDITIONS:

AM-STATION MANAGER SIGNATURE DATE FM-STATION MANAGER SIGNATURE DATE

APPENDIX D: AUTHORIZED SOURCES FOR ACTIVATING THE EAS

The following agencies are the only sources authorized to declare and/or originate any EAS Alert containing the title "WARNING" or "ACTIVATION". Puerto Rico broadcasters and cable operators shall not originate a 'WARNING" or "ACTIVATION", unless they are doing so at the direction of an authorized agency which does not have its own EAS Encoder to originate the EAS Alert itself. This restriction applies to all Event Codes containing the title 'WARNING" or "ACTIVATION".

WEATHER EAS ALERTS

All Weather EAS Alerts are to be originated by the National Weather Service, via NOAA Weather Radio. These Alerts are also disseminated via the Contel Weather Teletype, and the AP and UPI teletype networks. An EAS Alert received via one of these teletypes shall constitute valid authorization for a broadcaster or cable operator to originate an EAS Alert 'WARNING" if that is the level of Alert that has been declared by the national Weather Service. In the absence of a **"WARNING"** issued by the National Weather Service, a broadcaster or cable operator may originate an EAS Weather Alert **'WARNING"** at the direction of his Area Emergency Government Agency. If another agency is to be used in declaring weather alerts, it shall be listed in the appropriate Local Area Plan.

CIVIL EMERGENCY EAS ALERTS

All local emergencies, other than weather alerts, shall be declared only by the Puerto Rico Emergency Government Agency (PREMA).

If another agency is to be used in declaring local emergencies, it shall be listed in the appropriate Local Area EAs Plan.

NUCLEAR PLANT/INDUSTRIAL PLANT EAS ALERTS

Nuclear Plants shall have the authority to originate EAS Alerts relating to life-threatening emergencies occurring at their specific plant.

**THERE ARE NO NUCLEAR PLANTS IN PUERTO RICO AND NO CODES HAVE BEEN LISTED.**

Industrial plants shall have the authority to originate EAS Alerts relating to life-threatening emergencies occurring at their specific plant. Those Event Codes are:

"IPW" = Industrial Plant Warning (Eminent Danger to Life and Property)

"IPS" = Industrial Plant Statement (Statement Regarding Danger to Life and property) "IPT" = Industrial Plant Test (To be used for tests)

"IPX" = Industrial Plant Text Message (For sending emergency text message

APPENDIX E: FCC MAPBOOK FOR PUERTO RICO - COVERSHEET

Broadcasters and cable operators should use the "FCC MAPBOOK" on the following pages to determine their EAS Designation, and to identify the EAS Local Area they are assigned to:

LP STATIONS: Use the information on this page to determine your Local Area "municipalities of responsibility". When transmitting the Required Monthly Test (RMT) that Header Code should contain all of these municipalities. In addition, a received EAS Alert containing the Event Codes "HUW", "FFW" or "CEW" for any of those Areas must be re-transmitted by your station.

SR STATIONS: Use the information on this page to determine the "municipalities of responsibility" for each SR Station. A received EAS Alert containing the Event Code "CEW" or any Weather Alert for those municipalities must be re-transmitted by the SR Station.

PN STATIONS, AND CABLE OPERATORS: Use the information on this page to determine which EAS Alerts for your Area you will receive on your SR and LP Stations input.

Puerto Rico municipalities are assigned to Local Areas as follows:

LOCAL AREA: SAN JUAN:

SR Station: WKAQ-FM 104.7 MHz LP-1 Station: WKAQ-580 kHz

Municipalities: Vega Baja, Morovis, Orocovis, Vega Alta, Corozal, Barranquitas, Dorado, Toa Baja, Toa Alta, Naranjito, Comerio, Aibonito, Catano, Bayamon, Aguas Buenas, Cidra, Cayey, San Juan, Guaynabo, Caguas, Trujillo Alto, Carolina, Loiza, and Can6vanas.

LOCAL AREA: ARECIBO

SR Station: WCMN-FM 107.3 MHz LP-1 Station: WCMN-1280 KHz

Municipalities: Camuy, Lares, Hatillo, Arecibo, Utuado, Barceloneta, Florida, Manatf and Ciales.

LOCAL **AREA:** AGUADILLA

SR Station: **WKSA-FM** 101.5 MHz LP-1 Station: WABA-850 KHz

Municipalities: Aguadilla, Aguada, Moca, lsabela, Quebradillas and San Sebastian

LOCAL AREA: MAYAG0EZ

SR Station: WKJB-FM 99.1 MHz LP-1 Station: WKJB-710 KHz

Municipalities: Rincon, Afiasco, Mayag0ez, Hormigueros, Caba Rojo, Las Marias, Maricao, San German, Lajas, Sabana Grande and Guanica.

LOCAL AREA: PONCE

SR Station: WZAR-FM 101.9 MHz LP-1 Station: WPAB 550 KHz

Municipalities: Yauco, Adjuntas, Guayanilla, Pefiuelas, jayuya, Ponce, Villalba, Juana Diaz, Coamo, and Santa Isabel.

LOCAL AREA: GUAYAMA

SR Station: WPRM-FM 98.5 MHz LP-1 Station: WHOY 1210 KHz

Municipalities: Salinas, Guayama, Arroyo, Patillas and Maunabo

LOCAL AREA: HUMACAO

SR Station: WDOY-FM 96.5 MHz LP-1 Station: WALO 1240 KHz

Municipalities: Gurabo, San Lorenzo, Juncos, Las Piedras, Yabucoa, Rio Grande, Naguabo, Humacao, luquillo, Fajardo, Ceiba, Vieques and Culebra.

*(*

•

# ...

s

C

...J

,-,

' rfi

)J ' .