

KUWR-FM / KUWR-HD1

2016 EAS Events Reconciliation Checklist

Year	Week		Sent		NPR PEP	NOAA NWS	FEMA IPAWS		Other Events			
	Start	End	RMT	RWT								
2016	01/01	01/02							No EAS activity during this period. See 2015/12/27 through 2015/12/31.			
	01/03	01/09	X		RWT	RWT	RWT					
	01/10			X	RWT	RWT	RWT		WSW NOAA	LAE NOAA	LAE <sent>	LAE NOAA
		01/16							LAE <sent>			
	01/17	01/23		X	RWT	RWT	RWT		LAE NOAA	LAE <sent>	LAE KUWR	LAE <sent>
									ENDEC <reboot>	ENDEC <reboot>		
	01/24	01/30		X	RWT	RWT	RWT		WSA NOAA	WSA NOAA	WSA NOAA	WSA NOAA
	01/31	02/06		X	RWT	RWT	RWT		WSA NOAA	WSA NOAA	WSA NOAA	
	02/07	02/13	X		RWT	RWT	RWT					
	02/14	02/20		X	RWT	RWT	RWT					
	02/21	02/27		X	RWT	RWT	RWT					
	02/28	03/05		X	RWT	RWT	RWT					
	03/06	03/12	X		RWT	RWT	RWT					
	03/13			X	RWT	RWT	RWT		RWT NOAA	*1	*1	*1
		03/19							WSA NOAA	RWT <sent>		
	03/20	03/26		X	RWT	*	RWT		WSA NOAA	WSA NOAA	WSA NOAA	
	03/27			X	RWT	*	RWT		WSA NOAA	WSA NOAA	WSA NOAA	WSA NOAA
		04/02							WSA NOAA			
	04/03	04/09	X		RWT	RWT	RWT		RWT NPR1			
	04/10	04/16		X	RWT	RWT	RWT		WSA NOAA	WSA NOAA	WSA NOAA	
	04/17	04/23		X	RWT	RWT	RWT		TOR NOAA	TOR <sent>	WSA NOAA	
	04/24			X	RWT	RWT	RWT		WSA NOAA	WSA NOAA	SVR NOAA	SVR NOAA
									SVR NOAA	WSW NOAA	LAE IPAWS	LAE <sent>
									LAE IPAWS	LAE <sent>	LAE IPAWS	WSA NOAA
		04/30							WSA NOAA	WSA NOAA		
	05/01		X		RWT	RWT	RWT		RWT NOAA	FFW NOAA	SVR NOAA	SVA NOAA
		05/07							SVR NOAA	FLW NOAA	FLW NOAA	FLW NOAA
	05/08	05/14		X	RWT	RWT	RWT		NOAA FLW	ENDEC <reboot>		

05/15			X	RWT	RWT	RWT		FLW NOAA	FLW NOAA	FLW NOAA	RWT NOAA
	05/21										
05/22	05/28		X	RWT	RWT	RWT		SVR NOAA			
05/29	06/04		X	RWT	RWT	RWT		SVR NOAA	SVR NOAA	ENDEC <reboot>	
06/05	06/11	X		RWT	RWT	RWT		SVR NOAA	SVR NOAA	SVR NOAA	RWT NPR 1
06/12			X	RWT	RWT	RWT		IPAWS <down>	IPAWS <up>	SVR NOAA	SVR NOAA
								SVR NOAA	SVR NOAA	SVR NOAA	TOR NOAA
								TOR <sent>	SVR NOAA	FFW NOAA	SVR NOAA
								FFW NOAA	FFW NOAA	SVR NOAA	FFW NOAA
								SVR NOAA	SVA NOAA	SVR NOAA	SVR NOAA
	06/18							NPT IPAWS	NPT <sent>	SVR NOAA	SVR NOAA
06/19	06/25		X	RWT	RWT	RWT		SVR NOAA	SVR NOAA		
06/26			X	RWT	RWT	RWT		TOA NOAA	SVA NOAA	SVR NOAA	SVR NOAA
								SVR NOAA	SVR NOAA	SVR NOAA	SVR NOAA
								SVR NOAA	SVR NOAA	SVR NOAA	FFW NOAA
	07/02							FFW NOAA	FFW NOAA		
07/03	07/09	X		RWT	RWT	RWT		SVR NOAA	SVR NOAA		
07/10	07/16		X	*2	RWT	RWT					
07/17	07/23		X	RWT	RWT	RWT		SVR NOAA	SVR NOAA	SVR NOAA	EVI <IPAWS>
07/24			X	RWT	*	RWT		SVR NOAA	SVR NOAA	SVR NOAA	EVI <IPAWS>
	07/30							ENDEC <*3>			
07/31				RWT	RWT	RWT		CAE NOAA	CAE <sent>	CAE NOAA	CAE <sent>
	08/06							CAE NOAA	CAE <sent>	CAE NOAA	CAE <sent>
08/07		X		RWT	RWT	RWT		SVR NOAA	SVR NOAA	FFW NOAA	RWT CAP
	08/13							SVR NOAA			
08/14	08/20		X	RWT	RWT	RWT		FFW NOAA	FFW NOAA		
				NPR PEP	NOAA NWS	FEMA IPAWS					
				NPR PEP	NOAA NWS	FEMA IPAWS	KCGY LP-2				
08/21	08/27		X	RWT	*	RWT	*4	EVI <IPAWS>	ENDEC<reboot>	SVR NOAA	SVR NOAA
08/28	09/03		X	RWT	RWT	RWT					
09/04		X		RWT	RWT	RWT	RMT	RWT KCGY	SVR NOAA	SVR KCGY	SVR NOAA
								SVR KCGY	RWT NOAA	NPW NOAA	IPAWS <down>

	09/10							IPAWS <up>			
09/11	09/17		X	RWT	RWT	RWT	RWT	EVI <IPAWS>	RWT <IPAWS>		
09/18			X	RWT	RWT	RWT	RWT	SVA NOAA	SVR NOAA	SVR KCGY	SVR NOAA
	09/24							SVR KCGY			
09/25	10/01		*6	RWT	RWT	RWT	RWT	RWT NOAA	NPT KCGY	NPT <sent>	NPT <IPAWS>
10/02	10/08	X		RWT	RWT	RWT	RWT	SVR NOAA	SVR KCGY	NPW NOAA	
				NPR PEP	NOAA NWS	FEMA IPAWS	KCGY LP-2				
				NPR PEP	NOAA NWS	FEMA IPAWS					
10/09	10/15		X	RWT	RWT	RWT					
10/16	10/22		X	RWT	RWT	RWT					
10/23	10/29		*7	RWT	RWT	RWT					
10/30	11/05		X	RWT	RWT	RWT					
11/06	11/12	X		RWT	RWT	RWT		RWT <ACEMA>			
11/13	11/19		X	RWT	*	RWT		WSW NOAA			
11/20			X	RWT	RWT	RWT		WSA NOAA	WSA NOAA	WSA NOAA	BZW NOAA
	11/26							WSA NOAA			
11/27	12/03		X	RWT	RWT	RWT					
12/04	12/10	X		RWT	RWT	RWT		WSW NOAA	WSW NOAA	NPW NOAA	
12/11			X	RWT	RWT	RWT		RWT NOAA	WSA NOAA	NPW NOAA	NPW NOAA
	12/17							NPW NOAA			
12/18	12/24		X	RWT	RWT	RWT		WSW NOAA			
2016	12/25	12/31		X	RWT	RWT	RWT	RMT <ACEMA>	RMT <forward>		
Year	Start	End	RMT	RWT	NPR	NOAA	FEMA	Other Events			
	Week		Sent		PEP	NWS	IPAWS				

* NOAA / NWS is not required to transmit an RWT. Other alerts sent during the same period verify reception. Input to the ENDEC should be checked to verify NOAA audio is present.

*1 ENDEC <startup>
March 16, 2016 Audio Pathways were altered to include EAS for provision of functionality for the new planned service. This required several brief interruptions of EAS service. The new service will be reflected in the Wyoming State EAS plan as an EAS type PN participant. This will be the third from this facility, the first and second being Classical Wyoming KUWY and Jazz

Wyoming KUWL. All three services will use the same EAS Encoder/Decoder equipment. KUWR LP-1 will continue to use it's Encoder/Decoder, although both ENDECs will share some common input sources such as NOAA/NWS. Reconfiguration and incorporation required brief interruptions of service for the LP1 and PN functions.

- *2 The Content Depot SR2000pro was discovered to have had both audio channels deselected. This is caused occasionally when the NOC sends an errant "Deselect" command. Efforts have been made to lock out the ability of the NOC to affect the receiver settings, but those settings have not yet been completely effective. Additional settings are being investigated. The receiver has had both channels reassigned to restore audio decoding from the NPR PEP and is now functioning normally. A procedure has been initiated to check tuning more frequently. A query about a possible SNMP alarm mechanism has been submitted to NPR/PRSS to possibly automate detection and recovery, or prevention.
Addendum 13 July 2016): NPR Satellite Services has advised that deleting PID 4152 from the SR2000 configuration should preclude all control commands from being executed. This has been done.

- *3 In order to comply with FCC Report and Order 15-60 "Review of the Emergency Alert System", new firmware has been released by Sage Alerting Systems. The firmware adds the "000000" FRN, as well as support for immutable parameters and event handling for the EAN and NPT event codes. This firmware has now been installed on each of the WPR Sage ENDEC equipments.

- *4 Audio input to the ENDEC was absent. An output had been assigned in the network, but the channel had not been turned on. The problem has been corrected and the settings locked. Only a deliberate action will cause a change. Signal level has been set. The ENDEC shows levels as appropriate and not clipped or distorted.

- *5 Audio monitor input #2 was checked and audio is present and at the correct level. A phone inquiry has been made to KOWB/KCGY as to when they performed their RWT for the period of 8/28/2016 to 9/3. The response contained the following log entry from their encoder:

Orig from KCGY/FM (EAS)	RWT	477	Thu Sep 1 16:20:00 2016 MDT Originated To Station: 'KCGY-FM' Thu Sep 1 16:20:39 2016 MDT	Thu Sep 1 16:50:00 2016 MDT	Albany, WY (056001) Platte, WY (056031) Goshen, WY (056015) Niobrara, WY (056027)
THE BROADCAST STATION OR CABLE SYSTEM HAS ISSUED A REQUIRED WEEKLY TEST FOR THE FOLLOWING COUNTIES/AREAS: Albany; Platte; Goshen; Niobrara; Carbon, WY; AT 4:20 PM ON SEP 1, 2016 EFFECTIVE UNTIL 4:50 PM MESSAGE FROM KCGY-FM					
Orig from KOWB/AM (EAS)	RWT	476	Thu Sep 1 16:20:00 2016 MDT Originated To Station: 'KOWB-AM' Thu Sep 1 16:20:24 2016 MDT	Thu Sep 1 16:50:00 2016 MDT	Albany, WY (056001) Platte, WY (056031) Goshen, WY (056015) Niobrara, WY (056027)
THE BROADCAST STATION OR CABLE SYSTEM HAS ISSUED A REQUIRED WEEKLY TEST FOR THE FOLLOWING COUNTIES/AREAS: Albany; Platte; Goshen; Niobrara; Carbon, WY; AT 4:20 PM ON SEP 1, 2016 EFFECTIVE UNTIL 4:50 PM MESSAGE FROM KOWB-AM					

The audio source input levels for the KUWR LP-1 ENDEC have been checked for proper operation and found to be conformant as stipulated in the Sage service bulletin "SB 001 Audio Levels". The cause of receipt failure is undetermined.

- *6 An NPT (National Periodic Test) event was initiated by FEMA on 28 September, 2016. 47CFR11.61(a)(3)(ii) allows for a national

test to serve as a replacement for both the weekly and monthly tests for all EAS participants. Noted now in this log, the NPT event will thus serve to satisfy the requirement for the RWT (Required Weekly Test) for the week of September 25 through October 1, 2016 but having been conducted in September, will not serve as a substitute for the October RMT (Required Monthly Test). The RMT for September 2016 was conducted prior to the NPT in the same month. The NPT as received, did not contain a voice message. KCGY (the upline) advises the NPT as initially received had no audio message, although a later receipt did. Since the NPT required immediate relay, the equipment functioned as intended and forwarded the initial NPT as received. The NPT was treated in a like manner at this station, so the runt NPT was forwarded immediately, and any subsequent receipts from alternate sources, including FEMA (IPAWS) were treated as duplicates which were logged, but not relayed. ETRS Forms 2 & 3 have been submitted with a detailed summary of the test.

- *7 A Required Weekly Test was not conducted for the week of 10/23 - 10/29 due to an error in scheduling the test. The need for the test to be conducted is a regulatory matter as well as a maintainability issue for the EAS system. This need has been conveyed to those personnel tasked with conducting the test.