



## **2020 Maine Simulated Emergency Test**

8:00 AM – 12:00 PM, October 24, 2020

**Wireless Society of Southern Maine**

**Emergency Communications Team (WSSM-ECT)**

After Action Report

## **Wireless Society of Southern Maine – Emergency Communications Team**

### **(WSSM-ECT)**

#### **After Action Report**

**Name of exercise:** 2020 Maine Simulated Emergency Test

**Date of activity:** October 24, 2020

**Duration of activity:** 07:30 – 12:30

**Type:** Multi-mode communication exercise between State and County EMAs, as well as other agencies, including Red Cross and the National Weather Service.

**Served agency:** Cumberland County Emergency Management Agency (CCEMA)

**WSSM-ECT:** 10 operators, 9 at home or deployed, 1 at CCEMA

**Purpose:** Test ability to communicate inter-county and between counties, using various modes: VHF FM repeater, VHF FM Simplex, HF SSB, VHF Packet, HF Digital, and Winlink via VHF Packet and HF Ardop.

**Objectives:** Perform Amateur Radio Tasks as outlined in the 2020 Maine SET Plan:

- Voice with other Counties on Amateur VHF repeater systems
- Digital data with other Counties on Amateur VHF repeater systems and packet network.
- Voice with other Counties on Amateur VHF using simplex.
- Voice with other Counties on Amateur HF systems
- Digital data with other Counties on Amateur HF systems

**Perform radio checks with other Counties on Amateur VHF repeater systems:** **Success.** We were successful in logging contacts with various counties via FM repeaters, including our primary repeater for Cumberland County.

**Send digital data to other Counties on Amateur VHF repeaters (NBEMS):** **Not attempted** due to not having permission to send digital data over W1QUI repeater. Solution: There is a plan in place to extend the range of the WS1EC UHF repeater at CCEMA, by relocating the antenna to a new tower. This will allow us to utilize this repeater for sending digital and voice traffic throughout the county, without the need to secure permission from a third party.

**Send Digital Data through the Winlink System:** **Success.** We were successful in sending traffic via Winlink throughout the exercise.

**Send Digital Data through the Maine Packet Network:** **Success.** We were successful connecting to and sending traffic via the Maine Packet Network throughout the exercise.

**Perform voice radio checks with other Counties on Amateur HF:** **Success.** We were successful in logging contacts with various counties via HF SSB.

**Perform a voice message relay (Radiograms) through other counties:** **Success.** We were successful in relaying radiogram traffic from York County to Androscoggin County. The final destination of the traffic was Washington County EMA.

**Perform voice radio checks with nearby Counties by Amateur VHF simplex:** **Success.** We were successful in logging contacts with various counties via 2 Meter FM Simplex.

**Perform voice radio checks with hospitals and shelters in your county:** **Success.** We were successful in logging contacts with various shelter locations throughout Cumberland County. Stations were deployed to the following locations:

- **Eric Emery N1R XR:** Memorial Elementary School, Gray / New Gloucester High School, Greely Middle School, Brunswick High School, Falmouth High School.
- **Waylon McDonald KC1HJN:** Windham High School, Gorham Middle School

**Send digital data by Amateur VHF Simplex:** **Unsuccessful.** WS1EC was able to receive a partial message from Brad KC1JMH, in Waterboro, however, the D710A at the EMA would not transmit, because it didn't have the right Hamlib (CAT control) file installed. To preserve the integrity of the exercise (which indicated that internet connectivity was not available, beginning at 8:00 am), we chose not to update it during the exercise. **Solution:** Update and test the Fldigi rig control settings during the next work detail at CCEMA.

**Notes:** Having not been to the CCEMA in nine months due to COVID-19 restrictions, one casualty was the Kenwood D710G VHF/UHF radio. The radio would power on, but only for a few seconds at a time. Doing some troubleshooting, which included swapping out the power supply, and checking the fuses, power and control cables, it was determined that the best thing to do in the short window of time before the start of the exercise, was to use the backup radio, that was located in the back pack on the shelf. The backup radio preformed well and the programming was identical to the primary radio, so it was a seamless transition. The only problem I ran into was discovering that there is a difference in software settings between the D710A, and the newer D710G, which affected its ability to transmit when using Fldigi. As noted above, in the future, we'll plan on setting up the software to handle both radios, in case a failure happens again.

**Participants:**

Tim Watson KB1HNZ (Op. as WS1EC)  
Peter Hatem KC1HBM  
Eric Emery N1R XR  
Brad Brown KC1JMH

Waylon McDonald KC1HJN  
Dave Wood KB1FGF  
Neil Lanteigne NB9D  
Stefania Watson K1GJY  
George Doering KC1NVO

## 2020 EC SET Report (FORM A)

Please fill out this report in triplicate (one copy to ARRL Headquarters, one copy to your SEC or DEC, one copy for your files). Attach newspaper clippings, photos, remarks, suggestions and any other material to be used in the write-up. Deadline for reporting is February 1, 2021. Please send to [sewald@arrl.org](mailto:sewald@arrl.org) at ARRL HQ. Thank you.

**ARRL Section: Maine (ME)**

**Area of Jurisdiction: Cumberland County**

**Call Sign Used: WS1EC**

**Email Address: [mainehamradio@gmail.com](mailto:mainehamradio@gmail.com)**

**Date of local SET: October 24, 2020**

	Computation of score:			Points
A	Number of amateurs who participated in the test	10	<b>X 2</b>	<b>20</b>
B	Number of new amateurs (licensed since 2014) participating	6	<b>X 3</b>	<b>18</b> KB1HBM KC1HJN N1RXR KC1JMH K1GJY KC1NVO
C	Number of formal 3rd party written traffic messages originated or delivered during the SET on behalf of served agencies	30	<b>X 1</b>	<b>30</b>
D	Were TACTICAL communications conducted on behalf of served agencies? (1 hour or more, score 20 points; 1/2 hour to 1 hour, score 10; less than 1/2 hour, score 5.)	Yes 3+ hours	<b>20</b>	<b>20</b>
E	Number of stations on emergency power during the test	5	<b>X 2</b>	<b>10</b>
F	Number of emergency-powered repeaters used during the test <ul style="list-style-type: none"><li>Give call signs of repeaters: W1QUI</li></ul>	1	<b>X 10</b>	<b>10</b>
G	Is <i>dual</i> membership in ARES and RACES actively encouraged? If YES, score 10 points.	Yes		<b>10</b>
H	Was liaison maintained during the SET with an NTS section or local net? If YES, score 10 points. <ul style="list-style-type: none"><li>Give call signs of station(s) performing liaison:</li></ul>	Yes		<b>10</b> KB1HNZ, KC1HJK

I	<p>Were digital modes utilized at any time during the exercise? If YES, score 10 points</p> <ul style="list-style-type: none"> <li>Name the digital modes utilized:</li> </ul>	Yes		<p><b>10</b></p> <p>Packet, Winlink</p>
J	<p>Number of different agencies for which communications were handled</p> <ul style="list-style-type: none"> <li>Name the agencies served:</li> </ul>	3	<b>X 5</b>	<p><b>15</b></p> <p>Washington County EMA Cumberland County EMA National Weather Service</p>
K	<p>Number of communities in which agencies were contacted. (If none, score MINUS 10)</p> <ul style="list-style-type: none"> <li>Name the communities served:</li> </ul> <p>Gray (National Weather Service) Gray – Shelter location New Gloucester – Shelter location Cumberland – Shelter location Gorham – Shelter location Brunswick – Shelter location Windham – Shelter location Falmouth – Shelter location Alfred (York Co EMA) Lewiston (And. Co EMA) Paris (Oxford Co EMA) Knox, ME (Waldo County ARES) Owls Head, ME (Knox County ARES)</p>	13	<b>X 10</b>	<p><b>130</b></p>
L	<p>Was a press release submitted? If YES, score 10 points, attach copy.</p>	Yes		<p><b>10</b></p> <p>(see attached)</p>
	<b>TOTAL NUMBER OF POINTS</b>			<b>293</b>

**TASK 6 – Amateur VHF Repeater radio checks with other Counties**

Call Sign of Originator:		WS1EC	Location (Town/County):	Windham/Cumberland
Time	Call Sign		Location	Frequency
0738	VA1VC Don (Hants County, NS)		Hantsport, NS	146.910
0757	KC1HBM Peter		Scarborough, ME	147.090
0800	KB1FGF Dave		Scarborough, ME	147.090
0800	N1RXR Eric		New Gloucester, ME	147.090
0800	KC1JMH Brad		Waterboro, ME	147.090
0801	KC1HJN Waylon		Windham, ME	147.090
0803	KC1NVO George (Lincoln County)		Dresden, ME	147.090
0804	KH6JKQ Leo (York County)		North Berwick, ME	145.410
0816	K1MGR Greg		Alfred, ME (YCEMA)	145.410
0817	KC1JMH Brad		Waterboro, ME	145.410
0821	KA1AAR Keith		(Androscoggin EMA)	146.610
0823	KB1TUR Steve (Franklin County)		Farmington, ME	146.610
0825	W2GPJ George		(Oxford County EMA)	146.880
0827	K1MGR Greg		Alfred, ME (YCEMA)	146.880
0834	W1QUI George (And. County)		Auburn, ME	147.090
0835	KB1FGF Dave		Scarborough, ME	147.090 re-check
0836	N1RXR Eric		New Gloucester, ME	147.090 re-check
0837	KC1JMH Brad		Waterboro, ME	147.090 re-check
0838	K1DQ Dan (York County)		Shapleigh, ME	147.090
0839	K1MGR Greg		Alfred, ME (YCEMA)	147.090 re-check
0840	KU1U Corey (And. County relay)		Sabattus, ME	147.090
0841	N1RXR Eric		New Gloucester, ME	147.090 re-check
0845	NB9D Neil (Oxford County)		Paris, ME	147.090
0849	KC1HJN Waylon		Windham, ME	147.090 re-check
0850	KB1FGF Dave		Scarborough, ME	147.090 re-check
0855	WE1U Dave (And. County)		Auburn, ME	147.090
0855	KC1JMH Brad		Waterboro, ME	147.090 re-check
0914	K1MGR Greg		Alfred, ME (YCEMA)	147.090 (Inquired about Simplex frequency)
0918	K4OEK Tom (And. County)		Minot, ME	147.090
0920	N1RXR Eric		New Gloucester, ME	147.090 re-check
0925	KC1HBM Peter		Scarborough, ME	147.090 re-check
0930	KB1FGF Dave		Scarborough, ME	147.090 re-check
0932	K1GJY Stefania (York County)		Saco, ME	147.090
0935	KC1JMH Brad		Waterboro, ME	147.090 re-check
0935	KC1HJN Waylon		Windham, ME	147.090 re-check

**TASK 11 – Voice Radio Checks with nearby Counties on Amateur HF**

<b>Call Sign of Originator:</b>		WS1EC	<b>Location (Town/County):</b>	Windham/Cumberland
Time	Call Sign	Location	Frequency / Report	
1031	W1EMA Steve (Waldo County)	Waldo County ARES	3950	59/59
1032	KC1JMH Brad (York County)	Waterboro, ME	3950	55/55
1034	W1OCA Bob (Oxford County)	Oxford County ARES	3950	55/55
1034	KB1FGF Dave	Scarborough, ME	3950	59/59
1035	WA1VNO Jim (Middlesex County, CT)	Cromwell, CT	3950	59/59
1035	W3HBM George (Hancock County)	Bar Harbor, ME	3950	59/59
1036	N1IEJ Alan (Lincoln County)	Waldoboro, ME	3950	59/59
1036	N1EP Phil (Washington County)	Milbridge, ME	3950	59/59
1037	K1GJY Stefania (York County)	Saco, ME	7262	59/59

**TASKS 12 & 13 – Voice Radio Checks with nearby Counties on Amateur VHF Simplex & Radio checks with hospitals and shelters in your County**

<b>Call Sign of Originator:</b>		WS1EC	<b>Location (Town/County):</b>	Windham/Cumberland
Time	Call Sign	Location	Frequency / Report	
0936	KC1HJN Waylon	Windham, ME	146.580	59/59
0936	KB1FGF Dave	Scarborough, ME	146.580	59/59
0937	KC1JMH Brad	Waterboro, ME	146.580	59/59
0937	KC1HBM Peter	Scarborough, ME	146.580	59/59
0943	N1RXR Eric – Memorial School	New Gloucester, ME	146.580	59/59
0948	K1DQ Dan	Shapleigh, ME	146.580	59/59
0949	KC1JMH Brad	Waterboro, ME	146.580	59/59
0954	W1YCA Dave	Alfred, ME (YCEMA)	146.550	57/57
0956	N1TRC Steve (And. County relay)	Topsham, ME	146.460	59/59
0957	KA1AAR Keith	(Androscoggin EMA)	146.460	59/59
0957	KC1HBM Peter	Scarborough, ME	146.580	59/59
1003	N1RXR Eric – GNG High School	Gray, ME	146.580	59/59
1006	N1ZRL Peter	Lisbon Falls, ME	146.460	59/59
1019	KA1AAR Keith	(Androscoggin EMA)	146.460	59/59
1028	N1RXR Eric – Greely Middle School	Cumberland, ME	146.580	59/59
1029	KC1HJN Waylon	Windham, ME	146.580	re-check
1030	KC1JMH Brad	Waterboro, ME	146.580	re-check
1038	KC1HJN Waylon – Windham HS	Windham, ME	146.580	59/59
1102	N1RXR Eric – mobile near BHS	Brunswick, ME	146.580	57/57
1107	N1RXR Eric – Brunswick HS	Brunswick, ME	146.580	55/55
1112	KC1HJN Waylon – Gorham MS	Gorham, ME	146.580	59/59
1114	KB1FGF Dave	Scarborough, ME	146.580	re-check
1134	N1RXR Eric	Yarmouth, ME	146.580	59/59
1141	N1RXR Eric – Falmouth HS	Falmouth, ME	146.580	59/59

# Radio Relay International - Exercise Message Log

Name: Tim Watson      Call Sign: WS1EC      Exercise Date: 10/24/2020      Time: 1100 UTC (7:00 AM local)

Msg No.	Originator:	Transmitted To:	DTG	Received From:	DTG	Relayed To:	DTG	Delivered To:	DTG	Description:
1	WS1EC	KB1TCE						KB1TCE		700 Winlink Check-in form HF Ardop
2	WS1EC	KB1TCE						KB1TCE		754 Winlink Check-in form VHF Packet
3	WS1EC	N1RXR						N1RXR		755 WX Report from Windham, ME
4	N1RXR			N1RXR						939 Arrived at Shelter - Memorial School, New Gloucester, ME
5	N1RXR			N1RXR						943 WX Report from Memorial School, New Gloucester, ME
6	N1RXR			N1RXR						949 WX Report while mobile in New Gloucester - American Legion
7	N1RXR									959 Arrived at Shelter - GNG HS, Gray, ME
8	N1RXR			N1RXR						1003 WX Report from GNG HS, Gray, ME
1	K1MGR	KA1AAR		K1MGR				KA1AAR		1019 Exercise Msg 1 to Lynn Dweley, Washington County EMA
9	N1RXR									1020 Arrived at Shelter - Greely MS, Cumberland, ME
10	N1RXR			N1RXR						1028 WX Report from Greely MS, Cumberland, ME
11	KC1HJN	WS1EC		KC1HJN						1038 Arrived at Shelter - Windham HS, Windham, ME
12	KC1HJN	WS1EC		KC1HJN						1045 WX Report from Windham HS, Windham, ME
13	N1RXR			N1RXR						1102 Arrived at Shelter - Brunswick HS, Brunswick, ME
14	N1RXR			N1RXR						1107 WX Report from Brunswick HS, Brunswick, ME
15	KC1HJN			KC1HJN						1108 Arrived at Shelter - Gorham Middle School, Gorham, ME
16	KC1HJN			KC1HJN						1114 WX Report and request for generator and water from GMS, Gorham, ME
17	WS1EC							Chris Wheeler		1116 Sent request for generator and water to Chris Wheeler, CCEMA
18	N1RXR			N1RXR						1134 Reported actual incident - structure fire in Yarmouth enroute to shelter
19	WE1U			N1EP						1137 Message to All Stations - Maine HF Digital Net moved to 3583
20	N1RXR			N1RXR						1141 Arrived at Shelter - Falmouth HS, Falmouth, ME
21	N1RXR			N1RXR						1143 WX Report from Falmouth HS, Falmouth, ME
22	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1150 WX Report from Memorial School, New Gloucester, ME
23	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1150 WX Report American Legion, New Gloucester, ME
24	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1150 WX Report from GNG HS, Gray, ME
25	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1150 WX Report from Greely MS, Cumberland, ME
26	WS1EC	WE1U, WX1GYX		KC1HJN				WE1U, WX1GYX		1155 WX Report from Windham HS, Windham, ME
27	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1155 WX Report from Brunswick HS, Brunswick, ME
28	WS1EC	WE1U, WX1GYX		KC1HJN				WE1U, WX1GYX		1155 WX Report from GMS, Gorham, ME
29	WS1EC	WE1U, WX1GYX		N1RXR				WE1U, WX1GYX		1155 WX Report from Falmouth HS, Falmouth, ME
30	WS1EC	WE1U						WE1U		1203 Exercise wrap up, Total participants



## Digital Messages Transmitted or Relayed

Message received and acknowledged.

----- Message from WS1EC sent 2020/10/24 11:53 -----

Message ID: LFU9SG5661VK

Date: 2020/10/24 11:53

From: WS1EC

To: N1RXR

Cc: KC1JMH

Source: WS1EC

Subject: //WL2K Severe WX Report Maine Cumberland [initial]

Severe WX Report Maine Cumberland

Report Date/Time: 2020-10-24 07:49

Report Status: [initial]

Message Sender: WS1EC

Reporting Party: Tim Watson KB1HNZ

Phone Number: 2078318132

Email: kb1hnz@yahoo.com

EVENT AREA

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State or Region: Maine

County: Cumberland

City: Windham

Other:

GPS:

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### OBSERVED EVENT CONDITIONS

Flood: River out of Banks

Hail: N/A

High Wind Speed: Windspeed

Tornado / Funnel Cloud: N/A

Wind Damage: Small Tree Limbs Down < 2

Winter Precipitation: N/A

Snow: N/A

Freezing Rain: N/A

Heavy Rain: N/A

Rain period:

Additional Information on Above or Comments:

This is an exercise message. Extremely heavy rain continues. Presumpscot River is slightly over the banks near the bridge on Rt. 237

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Eric Emery N1RXR
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 09:39
7. Message:

This is an exercise message. Arrived at shelter location: Memorial Elementary School, New Gloucester, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Eric Emery N1RXR
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 09:59
7. Message:

This is an exercise message. Arrived at shelter location: Gray / New Gloucester High School, Gray, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC

3. From (Name and Position): Eric Emery N1RXR
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 10:20
7. Message:

This is an exercise message. Arrived at shelter location: Greely Middle School, Cumberland, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Waylon McDonald KC1HJN
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 10:38
7. Message:

This is an exercise message. Arrived at shelter location: Windham High School, Windham, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Eric Emery N1RXR
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:02

7. Message:

This is an exercise message. Arrived at shelter location: Brunswick High School, Brunswick, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Waylon McDonald
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:08
7. Message:

This is an exercise message. Arrived at shelter location: Gorham Middle School, Gorham, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Chris Wheeler, Planner, Cumberland County EMA
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Request for supplies
5. Date: 10/24/2020
6. Time: 11:16
7. Message:

This is an exercise message. Gorham Middle School shelter is in need of a replacement generator and more bottled water.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Eric Emery N1RXR
4. Subject: Structure Fire
5. Date: 10/24/2020
6. Time: 11:34
7. Message:

While mobile on the way to Falmouth High School, encountered a structure fire in Yarmouth, visible from Maine Turnpike.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Tim Watson WS1EC
3. From (Name and Position): Eric Emery N1RXR
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:41
7. Message:

This is an exercise message. Arrived at shelter location: Falmouth High School, Falmouth, ME

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:50
7. Message:

This is an exercise message. Eric N1RXR reported from shelter location, Memorial Elementary School, in New Gloucester, ME at 9:43 AM: Heavy rain and gale force winds, estimated 45-50 mph sustained. So far, no observable damage.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:50
7. Message:

This is an exercise message. Eric N1RXR reported while mobile in New Gloucester, ME at 9:50 AM: Wind damage: A large tree has fallen through the roof of the American Legion.

8. Approved by: Tim Watson WS1EC

Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:50
7. Message:

This is an exercise message. Eric N1RXR reported from shelter location, Gray / New Gloucester High School, ME at 10:03 AM: Heavy rain and severe flooding on school property. A sink hole has formed near the school library, which may have compromised the structure.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

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Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:50
7. Message:

This is an exercise message. Eric N1RXR reported from shelter location, Greely Middle School, in Cumberland, ME at 10:28 AM: Wind damage has resulted in power lines down on school building, causing

fire. Same lines have caused fire at the nearby fire station. Fire is under control at both locations, but shelter has been evacuated and will have to close.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:50
7. Message:

This is an exercise message. Waylon KC1HJN reported from shelter location, Windham High School, in Windham, ME at 10:45 AM: Wind damage: A possible tornado has caused extensive damage to the roof of the High School. Heavy rain and wind.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:55
7. Message:



This is an exercise message. Eric N1RXR reported from shelter location, Brunswick High School, in Brunswick, ME at 11:07 AM: Wind damage: Possible tornado has gone through trailer park adjacent to High School, and there is minor wind damage to front entrance area of the school building.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020
6. Time: 11:55
7. Message:

This is an exercise message. Waylon KC1HJN reported from shelter location, Gorham Middle School, in Gorham, ME at 11:14 AM: ¼" Hail, sustained hurricane force winds, estimated 65+ mph. Generator caught fire and is no longer functional. Please send a replacement generator and also some more bottled water.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET
2. To (Name and Position): Dave Lowe WE1U, NWS Gray WX1GYX
3. From (Name and Position): Tim Watson WS1EC
4. Subject: Arrived at Shelter
5. Date: 10/24/2020

6. Time: 11:55

7. Message:

This is an exercise message. Eric N1RXR reported from shelter location, Falmouth High School, in Falmouth, ME at 11:43 AM: Storm effects have diminished greatly. Overcast.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8

#### GENERAL MESSAGE (ICS 213)

1. Incident Name: 2020 Maine SET  
2. To (Name and Position): Dave Lowe WE1U  
3. From (Name and Position): Tim Watson WS1EC  
4. Subject: Arrived at Shelter  
5. Date: 10/24/2020  
6. Time: 12:03  
7. Message:

We had a total of 10 participants, of which 9 operated from their homes or mobile at shelter locations. One operated from the Cumberland County EMA facility.

8. Approved by: Tim Watson WS1EC  
Position/Title: Ham Radio Op

-----  
Express Sending Station: WS1EC  
Senders Express Version: 1.5.32.0  
Senders Template Version: ICS 213 v.41.8



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 9:43 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Memorial Elementary School

### Report Description:

This is an exercise message.

Heavy rain and gale force winds, estimated at 45-50 mph sustained. So far no observable damage.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 9:24 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: American Legion, New Gloucester, ME

### Report Description:

This is an exercise message.

Wind damage: A large tree has fallen through the roof of the American Legion.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 10:03 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Gray / New Gloucester School, Gray, ME

### Report Description:

This is an exercise message.

Heavy rain and severe flooding on school property. A sink hole has formed near the school library, which may have compromised the structure.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 10:28 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Greely Middle School, Cumberland, ME

### Report Description:

This is an exercise message.

Wind damage has resulted in power lines down on school building, causing fire. Same lines have caused a fire at the nearby fire station as well. Fire is under control at both locations, but shelter has been evacuated and will have to close.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 10:45 Reporting Station: KC1HJN

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Windham High School, Windham, ME

### Report Description:

This is an exercise message.

Wind damage: A possible tornado has caused extensive damage to the roof of the High School.

Heavy rain and wind.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 11:07 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Brunswick High School, Brunswick, ME

### Report Description:

This is an exercise message.

Wind damage: Possible tornado has gone through trailer park adjacent to High School, and there is minor damage to front entrance area of school building.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 11:14 Reporting Station: KC1HJN

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Gorham Middle School, Gorham, ME

### Report Description:

This is an exercise message.

1/4" hail, sustained hurricane force winds, estimated at 65+ mph.

Generator caught fire and is no longer functional. Please send a replacement generator  
and also some more bottled water.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_



## SKYWARN® Severe Weather Report Form

WX1GYX SKYWARN® - National Weather Service, 1 Weather Lane, Gray, ME 04039



Date: 10/24/2020 Time of Occurrence: 11:43 Reporting Station: N1RXR

Source: ☒ PERSONAL OBSERVATION, ☐ MEDIA, ☐ SCANNER, ☐ OTHER: \_\_\_\_\_

Location of Reported Event: Falmouth High School, Falmouth, ME

### Report Description:

This is an exercise message.

Storm effects have diminished greatly. Overcast.

Form No. SW01

Signature / Call Sign: \_\_\_\_\_





THE ARRL and RAC  
**RADIOGRAM**  
VIA AMATEUR RADIO



NUMBER 1	PRECEDENCE Test P	HX	STATION OF ORIGIN K1MGR	CHECK 23	PLACE OF ORIGIN Alfred ME	TIME FILED 08:00	DATE Oct 24
-------------	----------------------	----	----------------------------	-------------	------------------------------	---------------------	----------------

TO **Lynn Dwelley**  
**Washington County EMA, 28 Center Street, PO Box 297**  
**Machias ME 04654**  
TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT  
AMATEUR STATION **WS1EC** PHONE \_\_\_\_\_  
NAME **WSSM-ECT**  
STREET ADDRESS **22 High Street**  
CITY, PROV, ZIP **Windham ME 04062**

EXERCISE	MESSAGE	X	WE	HAVE
FOUR	20	PART	GIRDLESPRING	ASSEMBLIES
WHICH	IS	2	TOO	MANY
TO	STORE	X	WOULD	YOU
LIKE	2	QUERY		

REC'D FROM K1MGR	DATE Oct 24, 20	TIME 10:16	SENT TO KA1AAR	DATE Oct 24, 20	TIME 10:19
---------------------	--------------------	---------------	-------------------	--------------------	---------------

THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU.

THE ARRL, INC. and RAC ARE THE NATIONAL MEMBERSHIP SOCIETIES OF LICENSED RADIO AMATEURS IN THE UNITED STATES AND CANADA RESPECTIVELY. ONE OF THEIR FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY MESSAGE HANDLING.



THE ARRL and RAC  
**RADIOGRAM**  
VIA AMATEUR RADIO



NUMBER 2	PRECEDENCE R	HX	STATION OF ORIGIN WE1U	CHECK 13	PLACE OF ORIGIN AUBURN ME	TIME FILED 11:30	DATE Oct 24
-------------	-----------------	----	---------------------------	-------------	------------------------------	---------------------	----------------

TO **ALL STATIONS**

TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT  
AMATEUR STATION **WS1EC** PHONE \_\_\_\_\_  
NAME **WSSM-ECT**  
STREET ADDRESS **22 High Street**  
CITY, PROV, ZIP **Windham, ME 04062**

MAINE	HF	DIGITAL	NET	HAS
MOVED	TO	3585	KHZ	USB
1500HZ	OFFSET	THOR16X		

REC'D FROM N1EP	DATE Oct 24, 20	TIME 11:37	SENT TO	DATE	TIME
--------------------	--------------------	---------------	---------	------	------

THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU.

THE ARRL, INC. AND RAC ARE THE NATIONAL MEMBERSHIP SOCIETIES OF LICENSED RADIO AMATEURS IN THE UNITED STATES AND CANADA RESPECTIVELY. ONE OF THEIR FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY MESSAGE HANDLING.

Radiogram Message that was relayed from York to Androscoggin County, in text format:

1 TEST P K1MGR 23 ALFRED ME 0800L OCT 24  
LYNN DWELLEY WASHINGTON COUNTY EMA  
28 CENTER ST  
PO BOX 297  
MACHIAS ME 04654  
WNEMA AT WASHINGTONCOUNTYMAINE DOT COM  
BT  
EXERCISE MESSAGE X WE HAVE  
FOUR 20 PART GIRDLESPRING ASSEMBLIES  
WHICH IS 2 TOO MANY  
TO STORE X WOULD YOU  
LIKE 2 QUERY  
BT



## **Appendix A.**

**SET Log and Traffic handled by:**

**Waylon McDonald**

**Home station, deployed to shelters**

**October 24, 2020**

### **REPEATER CONTACTS**

1. 0800L WS1EC – SET EMERGENCY NET FOR CUMBERLAND COUNTY 147.090
2. 0812L NB9D, OXFORD COUNTY, 146.880 DFQ
3. 0816L N1RXR, ERIC, CUMBERLAND COUNTY, 146.880 DFQ
4. 0824L KC1KCH, KENNEBEC, 147.255, 55
5. 0827L W1EMA, WALDO, 147.270, 59
6. 0834L KA1AAR, ANDROSCOGGIN, 146.610, 57
7. 0838L K1DQ, DAN, YORK, 147.090 DFQ
8. 0839L K1MGR, GREG, YORK COUNTY EMA, 147.090, 59
9. 0843L N1TTT, CUMBERLAND, 147.210 58
10. 0845L W1ZE, SAGADAHOC, 147.210 DFQ

### **HF CONTACTS**

1. 0857L WX1CAR, NWS CARIBOU, AROOSTOOK, 3950, 56
2. 0910L N1IEJ, LINCOLN, 3950, 54
3. 0922L N1EP, WASHINGTON, 3950, 43
4. 0922L AB1PZ, HANCOCK, 3950, 57
5. 0931L WA1URS, PENOBSCOT, 3950, 58

### **146.580 VHF SIMPLEX CONTACTS**

1. 0951L W1YCA, YORK COUNTY EMA (ON OXFORD COUNTY'S PRIMARY), 146.550, 55
2. 0959L K1DQ DAN, YORK, 146.460, 59+
3. 1029L WS1EC, CUMBERLAND COUNTY EMA, 146.580, 59+

**146.580 VHF SIMPLEX – DEPLOYED TO SHELTERS**

ARRIVED AT WINDHAM HIGH SCHOOL AT 1038L, WX REPORT SENT AT 1045L

ARRIVED AT GORHAM MIDDLE SCHOOL AT 1108L, WX REPORT SENT AT 1114L

**SIGN OFF: 1150L**

## **Appendix B.**

**SET Log and Traffic handled by:**

**Eric Emery N1RXR**

**Home station, deployed to shelters**

**October 24, 2020**

### **DIGITAL HF PACKET/WINLINK**

1. - MESSAGE SENT BY FLDIGI TO N1GB
2. - RECEIVED MESSAGE FROM WE1U ON FLDIGI
3. - RECEIVED MESSAGE FROM WA1YZN ON FLDIGI

### **REPEATER CONTACTS**

1. 0754L – CHECKED INTO EMERGENCY NET ON 147.090
2. 0800L – OFFICIAL START OF SET EMERGENCY NET FOR CUMBERLAND COUNTY
3. 0803L - KA1AAR 5/5 ANDROSCOGGIN
4. 0805L - KB1HZN 5/9 CUMBERLAND
5. 0815L - MEAM MSCOMMNET - TG 1716 – WHITTEN/BRAG/
6. 0823L - W2GBJ 5/9 OXFORD
7. 0823L - KC1HJN 5/9 CUMBERLAND
8. 0825L - MEMA MSCOMMNET CUMBERLAND/ ADROSCOGGIN – TG1716
9. 0825L - KC1KTH 5/9 KENNEBEC
10. 0827L - K1MGR 5/9 YORK
11. 0829L - MEMA MSCOMMNET - TG 1716 – SAGAHOCK
12. 0836L - KC1CCD 5/4 PEN BAY HOSPITAL KNOX 3950 kHz
13. 0854L - CHECKED IN ME EMERGENCY COMM NET ON 3950 kHz
14. 0854L – WX1CAR 5/3 NWS CARIBOU, ME 3950 kHz
15. 0911L – N1EP 5/9 WASHINGTON COUNTY, ME 3950 kHz

- 16 0918L – W1EMA 5/3 WALDO COUNTY
- 17. 0919L - MEMA MSCOMMNET - TG 1716 – GRANITE HILL/ AUGUSTA
- 18. 0929L – AB1PZ 5/5 HANCOCK COUNTY, ME

#### **146.580 VHF SIMPLEX**

ARRIVED AT MEMORIAL ELEMENTARY SCHOOL AT 0939L, WX REPORT SENT AT 0943L

MOBILE, SENT WIND DAMAGE REPORT FROM AMERICAN LEIGON, NEW GLOUCESTER, AT 0949L

ARRIVED AT GRAY NEW GLOUCESTER HIGH SCHOOL AT 0959L, WX REPORT SENT AT 1003L

ARRIVED AT GREELY MIDDLE SCHOOL AT 1020L, WX REPORT SENT AT 1028L

ARRIVED AT BRUNSWICK HIGH SCHOOL AT 1102L, WX REPORT SENT AT 1107L

MOBILE, SENT REPORT OF STRUCTURE FIRE IN YARMOUTH AT 1134L

ARRIVED AT FALMOUTH HIGH SCHOOL AT 1141L, WX REPORT SENT AT 1143L

**SIGN OFF: 1143L**

#### **WINLINK & FLDIGI TRAFFIC**

##### **WINLINK**

Message ID: LFU9SG5661VK

Date: 2020/10/24 11:53

From: WS1EC

To: N1RXR

Cc: KC1JMH

Source: WS1EC

Downloaded-from: RMS:WD1O

Subject: //WL2K Severe WX Report Maine Cumberland [initial]

Severe WX Report Maine Cumberland

Report Date/Time: 2020-10-24 07:49

Report Status: [initial]

Message Sender: WS1EC

Reporting Party: Tim Watson KB1HNZ

Phone Number: 2078318132

Email: kb1hnz@yahoo.com

EVENT AREA

-----

State or Region: Maine

County: Cumberland

City: Windham

Other:

GPS:

-----

OBSERVED EVENT CONDITIONS

Flood: River out of Banks

Hail: N/A

High Wind Speed: Windspeed

Tornado / Funnel Cloud: N/A

Wind Damage: Small Tree Limbs Down < 2

Winter Precipitation: N/A

Snow: N/A

Freezing Rain: N/A

Heavy Rain: N/A

Rain period:

Additional Information on Above or Comments:

This is an exercise message. Extremely heavy rain continues. Presumpscot River is slightly over the banks near the bridge on Rt. 237

-----

Express Sender: WS1EC

Form version: 2.2

Message ID: PNE0BX6H42JE

Date: 2020/10/24 11:03

From: N1RXR

To: KB1TCE

Source: N1RXR

Subject: Express Check In [Exercise]-N1RXR-NEW GLOUCESTER, ME - 77 INTERVALE RD - HOME QTH

-

WSSM Check-in

Status: [Exercise]

Date/Time: 2020-10-24 06:53

Initial Assigned Operators: N1RXR

Location: NEW GLOUCESTER, ME - 77 INTERVALE RD - HOME QTH

GPS Coordinates: MGRS Coordinates: Grid Square:

Band Used: HF Amateur

Session Type: Ardop

Call/Tactical Sender: N1RXR

-----

Comments:

RUNNING HF VOICE AND DATA FROM HOME LOCATION DURING THE EVENT.

-----

Below Info Used for Copy to Spreadsheet

TAB Delimited:

WSSM 2020-10-24 06:53 N1RXR N1RXR NEW GLOUCESTER, ME - 77 INTERVALE RD - HOME  
QTH HF Amateur Ardop RUNNING HF VOICE AND DATA FROM  
HOME LOCATION DURING THE EVENT.

WSSM;2020-10-24 06:53;N1RXR;N1RXR;NEW GLOUCESTER, ME - 77 INTERVALE RD - HOME  
QTH;;;HF Amateur;Ardop;RUNNING HF VOICE AND DATA FROM HOME LOCATION DURING THE  
EVENT.

Winlink Check in 2.92

Message ID: 6WSHBQEUFIZG  
Date: 2020/10/24 01:15  
From: N1RXR  
To: KB1HNZ; KC1JMH; KC1HBM; KC1HBL; KB1FGF  
Source: N1RXR  
Subject: drill on Sat

Good Evening all!

I plan on being up and ready to go for 0700hrs and will conduct nessary tweeks and tunes up  
before the event.

If you need to call please use my cell at 978-761-5315 otherwise we'll hear you on the air!

I recived all updated information for the event and will be logging my contacts and presenting  
them on text format. I got the logging software so it meets all the requirements for the event.!

Do not hesitate to call anytime thanks  
Eric Emery

**FLDIGI**

[WRAP:begin][WRAP:lf][WRAP:fn WW1.p2s]<flmsg>4.0.17  
:hdr\_fm:21  
W3IHP 20202410115205  
:hdr\_ed:21  
W3IHP 20202410115205  
<plaintext>  
:tt:10 My Weather  
:to:14 NH Digital Net

:fm:5 W3IHP  
:dt:10 2020-10-24  
:tm:5 0750L  
:sb:27 Weather from Horseheads. NY  
:mg:387 W3IHP's Personal Weather Station

-----  
Date/Time: 2020-10-24 07:45:00 L  
Temp: 49.3 F  
Dew point: 49.03 F  
Humidity: 99 %  
Pressure: 29.924 inhg  
Wind speed: 0.9 mph  
Wind gust: 1.1 mph  
Wind dir: S  
Hourly rain: 0.047 inches  
Weekly rain: 1.028 inches

\*\*Data fetched from my personal weather station via code.

Guess I had kremlins in the system before.

[WRAP:chksum 7D8C][WRAP:end]

[WRAP:begin][WRAP:if][WRAP:fn WA1YZN-20201021-210542L-33.p2s]<flmsg>4.0.17  
:hdr\_fm:22  
WA1YZN 20202410114618  
:hdr\_ed:22  
WA1YZN 20202210010739  
<plaintext>  
:tt:15 General Message  
:to:12 All Stations  
:fm:6 WA1YZN  
:sb:27 Nation Wide Red Cross Drill  
:mg:740 Is anyone participating in this drill from NH?

November 14: Nationwide Red Cross Emergency Communications Drill, Joint Exercise with ARES  
The Nationwide Red Cross Emergency Communications Fall Drill is a joint exercise with ARES set for November 14, an evolution of the highly successful Spring Drill that had hundreds of participants from some 40 states and Puerto Rico.

The Fall Drill will be a Winlink-specific event with the following goals: (1) pass traditional Red Cross (ARC) forms from as many states and as many radio amateurs as possible to one of six



Divisional Clearinghouses, and (2) bring as many radio operators as possible up to a "basic" level of Winlink proficiency.

Contact me at wa1yzn at yahoo.com or here next week

[WRAP:chksum 6E20][WRAP:end]

WRAP:begin[WRAP:lf][WRAP:fn WW1.p2s]<flmsg>4.0.17

:hdr\_fm:21

W3IHP 20202410115205

:hdr\_ed:21

W3IHP 20202410115205

<plaintext>

:tt:10 My Weather

:to:14 NH Digital Net

:fm:5 W3IHP

:dt:10 2020-10-24

:tm:5 0750L

:sb:27 Weather from Horseheads. NY

:mg:387 W3IHP's Personal Weather Station

-----  
Date/Time: 2020-10-24 07:45:00 L

Temp: 49.3 F

Dew point: 49.03 F

Humidity: 99 %

Pressure: 29.924 inHg

Wind speed: 0.9 mph

Wind gust: 1.1 mph

Wind dir: S

Hourly rain: 0.047 inches

Weekly rain: 1.028 inches

\*\*Data fetched from my personal weather station via code.

Guess I had kremlins in the system before.

[WRAP:chksum 7D8C][WRAP:end]

## **Appendix C.**

**SET Log and Traffic handled by:**

**Brad Brown KC1JMH**

**Deployed to Chadbourne Ridge, North Waterboro, ME**

**October 24, 2020**

Operated from field position 5 minutes from QTH, on Chadbourne Ridge Road. Higher elevation, same grid square FN43pp.

### **Time in UTC**

1130 Setup and test

1150 Pre-net check-in

1200 Net start, directions received to check in with other counties via repeater

### **Repeater Task: OK**

1212	K1MGR	York	146.88 59	
1414	W2GBJ	Oxford	146.88 59	
1218	WS1EC	Cumberland	145.41 59	
1219	KH6JKQ	York	145.41 59	
1226	WE1U	Androscoggin	146.61 59	
1228	KA1AAR	Androscoggin	146.61 59	Ivan, Lewiston
1229	NOCALL	Franklin	147.18 00	No response
1232	N2PZ	Hancock	146.91 59	Dan, mobile, linked repeater
1233	W8HAP	Hancock	146.91 59	EMA
1235	NOCALL	Kennebec	145.39 00	No response
1239	NOCALL	Knox	147.06 00	
1245	K1GAH	Lincoln	146.985 59	Waldoboro

1248	NOCALL	Penobscot	145.45 00	No response
1252	NOCALL	Piscataquis	147.105 00	No response
1254	NOCALL	Somerset	146.73 00	No response
1258	NOCALL	Waldo	147.27 00	No response
1300	NOCALL	Washington	147.33 00	No response
1320	K4OEK	Androscoggin	147.09 59	

#### **HF NBEMS Task: FAIL**

1329	WE1U	Androscoggin	3.583 00	Received, no decode
1335	WE1U	Androscoggin	146.61 59	Asked Dave for confirmation, retry...
1337	WE1U	Androscoggin	3.583 00	Received, no decode
1339	WE1U	Androscoggin	146.61 59	Asked Dave for confirmation, no decode still

#### **Simplex Task: OK**

1345	K1DQ	York	147.57 59	Dan, Shapleigh
1347	KG1Z	Knox	147.54 59	Lincolnville
1357	KC1HBM	Cumberland	146.415 44	Scarborough
1405	Monitored RADIOGRAM from York to Cumberland County EMA on 146.58			
1421	NB9D	Oxford	146.58 59	Neil in West Paris
1426	Monitored RADIOGRAM from Cumberland to Waldo County. Freq not documented.			
1434	WS1EC	Cumberland	3.950 55	HF Test

- Also heard communications between WS1EC and WA1VNO, W3HJBM, N1IEJ

#### **After exercise: Debug and synopsis**

1700 Discovered operator error: Yaesu FT-991A menu #77 FM PKT PORT SELECT set to DATA. Changed to USB, test to HT OK.

1710 WD1O WINLINK - Downloaded messages sent during exercise via ARDOP on 3.588.

**Troubles from the field:**

Packet Winlink and FLDIGI - During the exercise, FLDIGI stopped transmitting audio to the radio. Menu item found post-exercise and it appears to be working regularly.

ARDOP Winlink - The bandwidth of the hamstick is too narrow. It was tuned pre-exercise for 3.940-3.950, not 3.583. The time to re-tune would have exceeded the exercise. This is the likely root cause for being inaudible on NBEMS. I will build an endfed to be ready for the next field exercise.

## **Appendix D.**

### **Press Release**

#### **Local Ham Radio Group Participates in Statewide Exercise**

On Saturday, October 24th, members of the Wireless Society of Southern Maine Emergency Communications Team (WSSM-ECT), which meets monthly in Scarborough, will participate in a statewide drill to test their communications capabilities between various different sites throughout Cumberland County and the state. The drill, known as the Simulated Emergency Test, or SET, is an annual exercise, sponsored by the American Radio Relay League, which encourages amateur radio operators from across the country to test their communications skills during a mock disaster.

During the SET, hams are required to quickly establish communications between various Emergency Operations Centers and exchange formal messages and traffic, which contain requests for supplies, medical or weather reports, or other information that may be of importance during a disaster. They do this via voice and digital two-way radio, on bands ranging from HF to UHF, as required.

“There has been a lot of statewide coordination for this year’s event, and they’ve developed an extensive plan that involves testing both amateur radio and EMA communications,” says Tim Watson, of Saco. Watson is president of the Wireless Society of Southern Maine, which provides communications support to Cumberland County EMA, as well as the National Weather Service. “The SET tests how we respond during large-scale disasters, where commercial infrastructure has failed. In these events, hams are often called upon to provide communications support.”

“The hams in our club are a dedicated group,” adds Brad Brown, of Waterboro, “Amateur radio has a long history of volunteerism. Sure, it’s a hobby and there’s some fun things that we do, but so many like to stay sharp by providing support for community events, and drills like this, so they’ll be ready to offer their time and expertise when disaster strikes.”

The Wireless Society of Southern Maine is participating in their sixth SET. “The first time we participated was only a few days after we formally established a partnership with the Cumberland County Emergency Management Agency, so we weren’t very organized yet,” says Watson. “but the last few have gone very well, and we keep building upon our skillset.”

After the event, the participants will do an assessment to determine how well they performed and look for areas to improve on. “There’s always new things to learn and ways to improve,” says Watson. “This year we’ll be testing a statewide digital packet network for sending traffic. We hope to learn more about its capabilities and how to improve it for the future.”

For more information about amateur radio, or the Wireless Society of Southern Maine, please visit their website at: <http://www.mainehamradio.com>