

## **WS1EC – 2017 SET After Action Review**

The 2017 SET was an excellent learning experience for our group, and we went into it with the intention of using it primarily as a training exercise. The SET built upon two successful communications tests with Cumberland County EMA (Maine Fire & Ice), in June and September.

For this year, we developed an aggressive plan to activate every FEMA/Red Cross shelter throughout Cumberland County with the hopes of identifying shelters that might require permanent antennas on site, relay links utilizing the county's communications trailer, or Key Stations. Our plan included attempting to exchange weather reports or mock requests for supplies from each location via FM simplex. Weather reports would be relayed to WX1GYX via Winlink, unless they too were able to make direct contact with the shelter on 2m FM. Where possible, we attempted to make contact at various power levels, (5 watts, 25 watts, and 50 watts), and also on DMR simplex. We were successful in contacting every site, and identified three sites that required more than 5 watts, and in some cases more than 25 watts, to make contact. These include: Brunswick High School, Greely Middle School, in Cumberland Center, and Lakes Region High School, in Naples. From four sites, we had successful DMR simplex contacts on 5 watts.

Our plan also called for our net liaison at Cumberland County EMA to exchange information via HF and VHF digital with different EOCs as well as the SKYWARN amateur radio station at NWS Gray. We were able to do this successfully, and we were also able to check into the Maine Emergency Communications Net on 3940.

One area of improvement that we identified during the exercise was the need to assemble a few 50w backpack stations - complete with battery, antenna, and coax – that could be taken to a site that was identified during the exercise. This is something we will work on building and testing in time for next year's SET.

During last year's SET one of the main areas that we identified as needing improvement was the need to better coordinate our frequencies with Maine ARES and others in order to avoid the possibility of interference (which occurred during the 2016 SET). Work on this started almost immediately afterwards, and this year we're happy to report that there was no interference at all.

For our second year participating as a formal group, we had a lot of fun, learned a lot, and look forward to the next challenge!

## 2017 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, 2018. 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 28,2017**

Computation of score:			Points
A	Number of amateurs who participated in the test	15	<b>X 2</b>  <b>30</b>
B	Number of new amateurs (licensed since 2012) participating	6	<b>X 3</b>  <b>18</b>  KC1XT KB1HBM KC1HJN KC1AOT W1CJC KC1HJK
C	Number of formal 3rd party written traffic messages originated or delivered during the SET on behalf of served agencies	19	<b>X 1</b>  <b>19</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.)		<b>N/A</b>  N/A
E	Number of stations on emergency power during the test	13	<b>X 2</b>  <b>26</b>
F	Number of emergency-powered repeaters used during the test  • Give call signs of repeaters:	0	<b>X 10</b>  <b>0</b>  We used no repeaters, as per the Maine SET rules
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.	Yes	<b>10</b>