# Exercise 12-1

## Participant Guide

Spring 2012 Digital Drill

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**Abstract**

On May 12, 2012, the Michigan Section will conduct a statewide digital drill. This document provides an introduction to that drill for participants.

# 1. Introduction

On May 12 the section will conduct a statewide digital drill. Unlike recent exercises, the drill will be aimed at ARES programs with no planned NTS participation. However, Districts may choose to enlist the aid of their designated NTS net.

This is intended to be a very simple exercise to test digital capabilities. There should be plenty of time for each county to conduct local exercises practicing those skills important to that jurisdiction.

# 2. Scenario

Critical infrastructure at scattered locations around the state is failing for no obvious reason. Individuals in many key positions are failing to appear at work and have been impossible to contact. There are rumors of illness but no verification.

The Michigan Department of Community Health has identified two cases of the H5N1 virus in the state, one in Oceana county and the other in Emmett county. These cases do not appear to be related. However, these two areas have also been affected by spotty infrastructure failures.

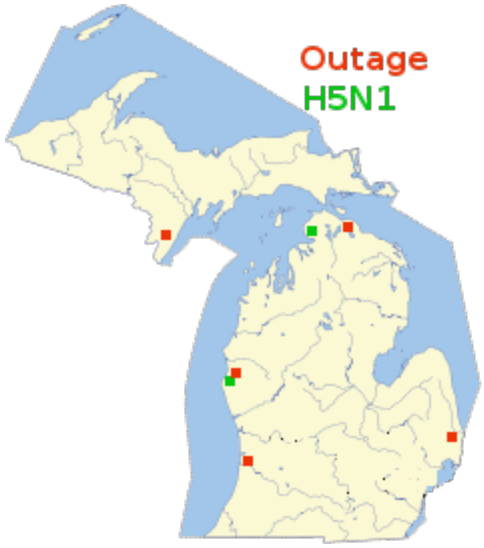


Figure 1. Reported Incidents

Because there seems to be no apparent pattern to the problems across the state, there is some suspicion that this is somehow related to a hostile action, but it is important to note that this is only a suspicion.

To ensure the availability of auxiliary communications resources, the Section Emergency Coordinator is attempting to identify all available resources across the state, and obtain contact information for these resources that does not rely on commercial infrastructure.

Because it is unknown whether some hostile action is involved, all transmissions should contain only required information with no explanations. Information transmitted should contain minimum information which may be of use to an adversary.

# 3. Conduct

At approximately 0800 local on May 12, the State Emergency Operations Center will send a query requesting specific details of resources to each District. The District is expected to pass this query along to each county for their response. The individual counties may respond directly to the SEOC, or may instead pass the response to the DEC or his delegate to relay to the SEOC.

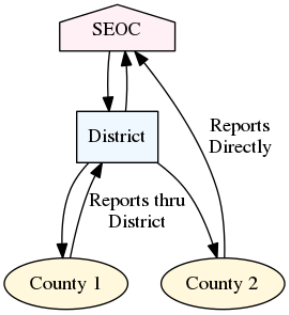


Figure 2. Message Flow

The SEOC will operate MT-63/1K at 3.584 MHz center frequency. Should the F2 critical frequency exceed 9 MHz or the D layer absorption exceed 6dB at 3.5 MHz, the SEOC will move to 7.036 MHz center frequency.

All traffic to and from the SEOC will be in MT-63/1K, flmsg wrapped. All traffic will use the appropriate ICS forms.

In addition to the original query, the SEOC may learn more as the situation evolves, and will notify the Districts via the same method. Districts should continue to monitor the SEOC frequency during the exercise.

Individual counties are encouraged to include local activities designed to exercise specific skills needed for that county. It is possible that some counties may experience injects which do not come directly from the SEOC.

The exercise will complete at 1200 local. Individual jurisdictions may, of course, choose to continue activities past that time.

# A. Operational Specifics

## A.1. Operating Mode

- MT-63
- 1K Wide
- 64 bit (long) interleave

## A.2. Operating Frequency

- Dial frequency: 3583 kHz
- Radio Mode: Upper sideband
- Center Frequency: 3584 kHz (+/- QRM)
- Alternate Center Frequency: 7036 kHz

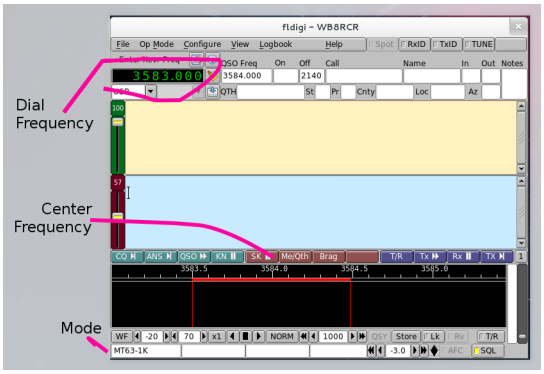


Figure A.1. Important settings

## A.3. Forms used

- ICS-205a
- ICS-213
- Others as needed

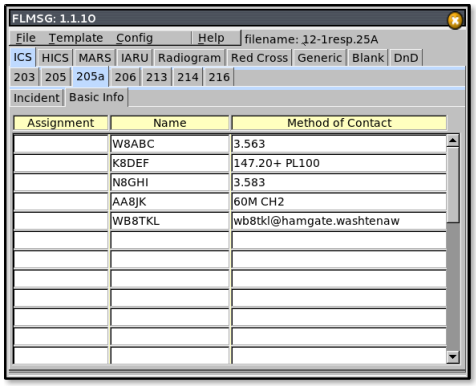


Figure A.2. Example 205a

# B. Revision History

| | | |
|---|---|---|
| Revision 1.0 | Wed Apr 25 2012 | John McDonough *wb8rcr@arrl.net* |
| | Remove draft status<br>Distribute | |
| Revision 0.2 | Wed Apr 25 2012 | John McDonough *wb8rcr@arrl.net* |
| | Minor typographical corrections | |
| Revision 0.1 | Tue Apr 24 2012 | John McDonough *wb8rcr@arrl.net* |
| | First draft | |
| Revision 0.0 | Mon Apr 23 2012 | John McDonough *wb8rcr@arrl.net* |
| | Initial creation of book by publican | |