

Subject: Mobile Radio Tower - COW

Date Issued or Revised: Final, December 10, 2007

Date Review:

3.1.14 Mobile Radio Tower - COW

I. Subject and Purpose

The MPSCS COW is used temporarily to support and facilitate interoperability during significant events that could affect public safety.

Current Capabilities of the COW

The COW consists of a communications trailer with an adjustable 70 foot antenna mast. The complete guy wire requirement for installation is 75-foot radius. There are currently three shelf-mounted 800MHz repeaters programmed for NPSPAC TAC frequencies. There are various control stations (800MHz, VHF, and UHF) along with an ACU1000 for patching type interoperability. There are also various antennas available for use. The COW is intended to supplement and support communications during significant events or crisis. For a planned event there is time to survey the site and set up the COW. The COW, by design can be mobilized very quickly. It is exercised regularly for preventive maintenance purposes and is well maintained.

General Specifications

- 20' Aluminum Trailer, dual axle, 2 5/16" ball hitch, tool box and cable reel
- 10.8-76 Willburt Super Heavy Duty Locking Collar Pneumatic Mast and hydraulic system
- Mast payload limit is 200 pounds fully extended at 76'. Payload limit will be 400 pounds at 60' by not extending the top 2 sections.
- 15kw Generac Generator with LP Tank
- 8'x6' Shelter w/1-ton HVAC, 150 amp load center, lights and receptacles, ladder tray, transfer switch, and external power connector - Shore Power capability from 240 VAC single phase source, using the provided "Shore Cord".

II. Procedures and Guidelines

A public safety agency may request COW deployment for an event. The agency contacts MPSCS Network Communications Center (NCC) via phone (517.333-5050) or email (MPSCS-NCC@michigan.gov)

Subject: Mobile Radio Tower - COW

Date Issued or Revised: Final, December 10, 2007

Date Review:

The agency request contains:

- A. Reason for the COW request (nature of emergency or significant event)
- B. General location where the COW is needed
- C. General time frame for COW request
- D. Contact name/phone/email

III. Responsible Party

- A. Contact for Questions
Infrastructure Services
- B. Phone, Fax and Email Addresses
517.333-5050; 517.336-6222; MPSCS-NCC@Michigan.gov

IV. Applicable Forms

V. Termination or Review Responsibility
MPSCS Director

VI. Linkages to Other Relevant Data