Transportable Communication Sites

The Transportable Communication Sites consisting of the 700/800 MHz Transportable Site, the Disaster Recovery Transportable Communication Site (DRTCS), and the Transportable Microwave Sites, utilize two distinct trailer/shelter/tower combinations that are specifically designed for supporting deployment of transportable communication sites. The Transportable Microwave Sites utilize the BMS 1000 configuration (figure 1), while the 700/800 MHz Transportable and Disaster Recovery Transportable Communication Sites utilize the SMS4000 (figure 2). The following are specifications for each of the configurations.

BMS 1000

- Galvanized dual axle heavy-duty trailer, complete with Air Ride suspension, hydraulic surge brakes, 96" x 96" x 93.75" H shelter painted white, 100' heavy duty aluminum crank up tower.
- Assembled guy kit consisting of 4 sets (total 12 guy cable assemblies) of pre-made galvanized guys with storage pouches
- Temporary anchor kit consisting of (3) 88DB1 Duck Bill anchors, a set of (3) ABCD-375 guy attachment plates and a (DS-88) drive steel.
- Ground anchor installation kit.
- Single Obstruction Light, with 100' cord.
- 12V DC Electric winch control cable and cover.
- BPS 12 VDC Battery Pack.
- 19" x 20" x 62" storage box, all aluminum.
- 8 x 14.5"F, mounted complete with lock.
- Trailer Tool Kit.
- Trailer coupler lock.
- Tower Grounding Kit.
- Co-ax reel, aluminum, capacity 300' of 5/8" coax.
- Two (2) A/C 15,000 BTU Air and Heat Units (RV Type).
- Two hole I/O Port Plate Entry.
- Telephone inlet and modular plug in shelter.
- Additional center mounted taillight.

- Flashing emergency light.
- Dual 12V work lights on trailer with shelters & includes canvas cover.
- Dri-Dek flooring installed in S-8 Shelter.
- 20 KW Onan Genset with fuel tank, transfer switch & housing, Includes installation of generator to Shelter & tested.
- Master Ground System located at entry port adjacent to tower base on back wall of enclosure
- Double antenna standoff, top mount, heavy-duty 3' "E" section
- Double antenna standoff, top mount, heavy-duty 3' "C" section
- Double antenna standoff, top mount, heavy-duty 3' "D" section.

Figure 1

SMS 4000

Trailer Physical

- 12’ H x 8’W x 28’L @
- GVWR 20,000 lbs. (1,400 lbs. Nose Weight)
- Curb Weight 4,910 lbs.
- GAWR 16,000 lbs.
- Each Corner of Trailer has leveling Post

Suggested Deployment Vehicle Type

- 1 Ton, 4x4 Ford 350 Power Stroke Diesel with Long or Short Bed
- GVWR 9,900 lbs.
- Dry Weight (Hauling) 2,800 lbs.
- Electric Brakes Required on Vehicle

Trailer Electrical

- 120 / 240 Volt Single Phase – 60 Amp Service Required
- Standard R.V. Connector – L14-60 (not weatherproof)
- 8’ Copper Ground Rod Driven within 10’ of Trailer Tongue
- 2 – 1.5 Ton HVAC roof mount units
- AC Power Pac furnishing 100 amps of AC power with 8.5 days of runtime at full load with 120 gallons of diesel fuel

Axles & Suspension

- Equipped with the Torflex rubber torsion system/progressive torque action/independent wheel movement for maximum shock absorption and road stability.

Chassis

- Heavy Duty tubular steel main rail/more rigid and less likely to flex compared to “I-Beam” construction offered by other brands.

Features

- Rear Corner Post Jacks
- Automotive Style Under Coating
- Safety Chains to D.O.T. Requirements
- 60’ Height (Antenna Extended 70’)
- Free standing designs
- High Strength heat treated aluminum ally tubes and collars
- Each mast section (tube) has two full length external keys and nominal .156” wall thickness
- Collars have matching machined keyways which maintain directional azimuth

Included with Mast

- Internal roof mounting hardware
- Base plate for fixed mast
- Antenna extension stub or platform adapter
- Mast extension warning light kit

- Operation/maintenance instruction manual
- Hazard warning labels
- Shipping crate

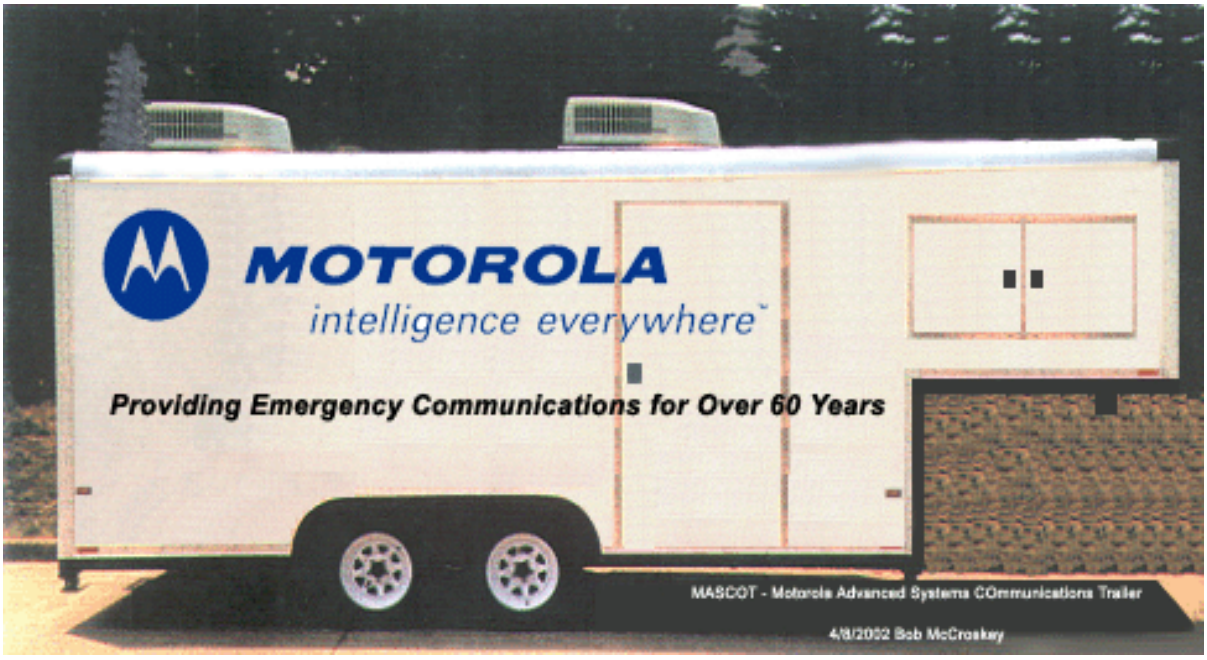

Figure 2