

MOBILE SATELLITE TRAILER Or Equal

LINE	Description	Quantity	Unit	Unit Price	Extended Amount
1	Mobile Satellite Trailer	1	EA		

ATTACHMENT I SPECIFICATIONS

The following are specifications for Orbital Data Net Mobile Earth Station Satellite Trailer, or equivalent, which must include all of the specifications listed below:

Body

- Frame and Body Material: Painted steel.
- Large equipment and storage compartment for scene management items. This unit may be deployed in the field so it requires enough storage space to store all additional necessary equipment.
- Gross trailer weight, at least, 5000 lbs.
- Trailer tongue weight, at least, 15% of the gross trailer weight. Trailer tongue should be sized for a 2" ball joint.
- Front tongue jack: Electric, 3500lbs max. LED light, 18" travel with manual over ride.
- Single axle, 17" 6-lug wheel rims, 80/R16 tires. Tires capable of handling adverse conditions in remote areas and able to withstand, to a degree, broken glass, nails, etc. Trailer tires shall meet these specifications at a minimum.
- Full size spare tire in rear of middle storage compartment.
- Four (4) Automatic hydraulic self-leveling jacks for platform stabilizing. Deploy and retract all four (4) with single controller button.
- In case automatic hydraulic self leveling system fails a manual option shall be provided.
- Tail Lights: Pair of LED strips nearly the width of the trailer body convey Brake, Reverse and Running. Located above and below rear compartment door. Connection: Inline 4 pin near hitch.

Interior

- Climate controlled dual 18U to 24U shock mounted racks, climate control provided cooling unit.
- LED strip lighting automatically illuminates in each compartment when doors are opened.

Power system

- Leveling Jacks control panel
- Generator control system Cummins Onan Energy Command 30 system or **equivalent**
- Invertor/Charger - Victron MultiPlus 3000 (watt) with Multi-Control Panel or **equivalent**.
- Battery monitor - Victron BVM700 or **equivalent**.
- Battery: Victron 200Ah 12.8 Volt Lithium Iron Phosphate or **equivalent**.
- Breaker panel for 120VAC loads
- Breaker panel for 12VDC loads
- Smart electric first power system (trailer runs on battery power for ~8 24 hours) then generator will auto start to charge the batteries, when batteries are properly charged generator will automatically turn off.
- Power generation: Cummins Onan QG3600 3.6kW Generator or **equivalent**
- Fuel System: Propane with mounting for two (2) tanks and auto change over regulator. When one tank runs out then the system shall switch over to the other tank.
- Halon Fire Extinguisher

Onboard Communication System

- Must have easy access to the back of these components for troubleshooting. Having to pull devices out to troubleshoot or make connections should be kept to a minimum.
- 1.2M AVL MILSPEC VSAT Antenna System or **equivalent**.
- Gilat SkyEdge II satellite modem or **equivalent**
- AVL AAQ antenna controller or **equivalent**

- Grandstream Single-Port ATA for analog phone option or **equivalent**.
- Outlets on trailer: three (3) standard AC outlets and one (1) twist-locking 30amp outlet
- 30amp shore power charging input.

Remote Equipment rack and accessories

- All components in the rack must be easily accessible. Must have easy access to the back of these components for troubleshooting. Having to pull devices out to troubleshoot or make connections should be kept to a minimum.
- 6 Digital Enhanced Cordless Telecommunications (DECT) phones
- Ethernet Router
- Ethernet switch, POE
- Wireless Access Point
- LAN connections shall be easily accessible. There should be no need to pull devices out to make connections in the back.
- Phone usage shall be capable of handling at least sixty (60) simultaneous active calls (wired or wireless).
- For basic web browsing and email pull down we expect at least thirty (30) workstations to have reasonable access speeds.
- Minimum of six (6) power outlets, 110vac
- Four (4) VoIP Phones w/ case

ATTACHMENT II COST SHEET

TOTAL COST

1. **Mobile Satellite Trailer (shall include design, build, test, QA, One (1) year warranty, and delivery to State)** \$ _____

2. **Annual Satellite Service** \$ _____

3. **Training** \$ _____
(If applicable, See Section 5.2)

4. **Annual Maintenance (after one (1) year warranty)**

Year One \$ _____

Year Two \$ _____

Year Three \$ _____

Ship Charges to Baton Rouge, LA 70802: \$ _____

Total Price: \$ _____

Lead Time: _____

Warranty: _____

Brochure: _____

Quote Validity: _____ **days**

Manufacturer / Distributor: _____

Exact / Exact: _____

Company Name: _____