

# MSEE

mobile shielded electronic enclosure



The Mobile Shielded Electronic Enclosure (MSEE) represents the next generation of communications and electronics shelters. Based on the current Multi-Purpose Maintenance and Shop Van (MMSV), the MSEE enclosure provides greater integration flexibility and an overall system weight reduction compared to the S-280C/G. The larger interior dimensions provide increased mission capability and improved ergonomic conditions for the modern warfighter.

The MSEE can be provided with a base frame capable of quick mount and dismount from the M1080 Light Me-

dium Tactical Vehicle (LMTV). Alternate interfaces and skids can be developed to adapt this enclosure to other vehicle mounted or stand-alone applications.

The MSEE provides a spacious, economical, and weight-conscious alternative to the current government inventory of shielded enclosures. With a current mounting scheme compatible with the new generation of Light Medium Tactical Vehicles (LMTV), M1080 2 ½ ton tactical trucks, the MSEE provides greater mission capability without compromise.

**GENERAL DYNAMICS**  
Armament and Technical Products

**Specifications**

Dimensions	Exterior (inches)	95.2 W x 86.2 H x 149.3 L
	Interior (inches)	90.2 W x 79.7 H x 144.2 L
Tare weight (pounds)	Enclosure only	2,310
	With mounting frame	3,610
Interior volume (cubic feet)	600	
Floor area (square feet)	90	
Payload (pounds)	5,500	
EMI shielding	Exceeds 60 dB (150 KHz - 10 GHz)	
Transportability	Ground mobility: highway, cross country Internal air transport of dismounted enclosure Helicopter lift of enclosure on prime mover Floor loading: 65 psf overall, 500 psf local	
Environmental	Rain	5+ inches per hour
	Temperature, storage	-50°F to +160°F (-45.6°C to 71.1°C)
	Temperature, operating	-50°F to +120°F (-45.6°C to 48.9°C)
	Humidity	Up to 100 percent
Standard features	Shelter access ladder, roof access steps, M1080 mounting frame	
Optional features	Power entry, electrical distribution system, interior lighting, blackout provisions, air conditioner, heater, double rear doors (non-shielded units), windows (non-shielded units)	
General information	Foam and beam construction: the fabrication of the unit utilizes aluminum facing sheets hot-bonded to a core panel consisting of rigid urethane foam and aluminum internal strings spaced on 22 inch centers	
Increased mission capability	16 percent greater square footage than a S-280 19 percent greater volume than a S-280	

**GENERAL DYNAMICS**

Armament and Technical Products

Four LakePointe Plaza, 2118 Water Ridge Parkway, Charlotte, NC 28217 ■ [www.gdatp.com](http://www.gdatp.com)Tel 704 714 8000 ■ Fax 704 714 8232 ■ E-mail [GDBusDev@gdatp.com](mailto:GDBusDev@gdatp.com)