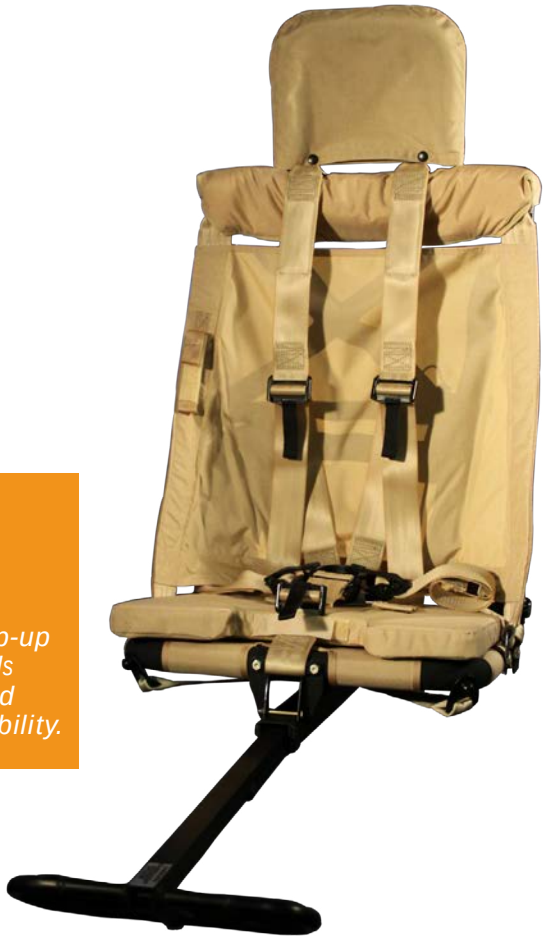
KEY FEATURES

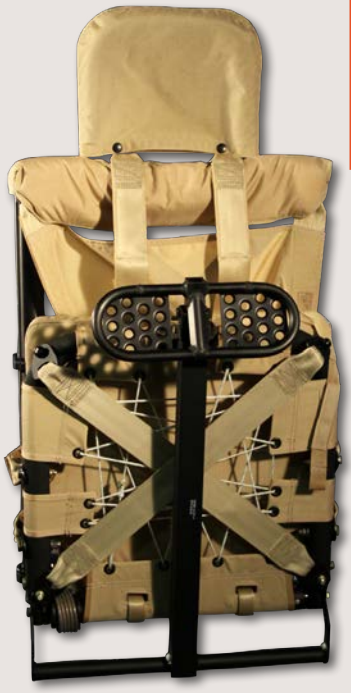
- Quick-release pin removal
- Five-point restraint
- Energy absorbing and load limiting
- Automatic stowing, flip-up seat pan
- Optional footrest
- Meets Federal Motor Vehicle Safety Standard 207/210
- Meets flammability requirements of FMVSS 302

Survivor Modular Troop Seat 1000

baesystems.com

Automatic stowing, flip-up seat pan aids in egress and maneuverability.





The BAE Systems' Survivor Modular Troop Seat (SMT) 1000 is a personnel carrier class of ground vehicle seating designed to provide the utmost protection while allowing for flexible arrangement options for occupants.

The SMT 1000 is a thin, modular, wall-mounted, energy-absorbing seat equipped with leading safety features. An optional seat-mounted telescoping footrest isolates the occupants and aids in preventing lower leg injuries, while the five-point restraint provides maximum security in a blast event. Offering optimal space claim and package size, the SMT 1000 is qualified for the Caiman MRAP.

Seat colors and patterns available:

Black | Desert Tan | Camo Green | Olive Drab | Digital Camo

09.20.SMT1000.BTR Approved for public release 2019-07.

BAE SYSTEMS

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Improved Safety – BAE Systems' crash resistant troop seat is the first Wall Style Troop Seat to be successfully tested in dynamic crash conditions.*
– 30º nose down surpassing 14 Gs
– 10º yaw surpassing 16 Gs

All fabric meets the FAR 25.853 vertical burn test requirements by utilizing inherently flame-resistant textile materials and flame-retardant treated nylon webbings and tapes.

Durability

Utilizing quality fabrics and developing rugged designs distinguishes BAE Systems and its Wall Style Troop Seat from existing in-service, bench-type seats. High strength aluminum tubing and durable fabric withstands wear and tear and provides superior safety. This provides significant cost reductions in replacement and repair expenses.

Occupant Comfort

The Wall Style Troop Seat has added comfort by ensuring the occupant's clearance of the seat structure. The seat back is made from a single piece of material designed to minimize equipment snags and provides continuous support.

Structural Integrity and Seat Comfort Features

	MIL-S-5804 Existing Seat	BAES Seat
Interfaces with Existing C-130, C-141 and KC-135 Installation Points	✓	✓
Fabric Assembly Materials - Meets FAR 25.853 vertical burn requirement		✓
Eliminates Spreader Bar Contact with Occupant		✓
Improved Spreader Bar Fitting Connection to Aircraft Support Bar - Machined aluminum for better durability		✓
Dynamic Strength Verification - Dynamic tests performed meet all requirements		✓
Static Testing - Test loads applied with contoured anthropomorphic block to highest standards		✓
Seat Back Configuration - Seat back is made from the same Aramid material as the seat pan to provide a continuous, durable support surface that does not snag equipment and is adjustable to accommodate a backpack or parachute		✓
Environmental Testing - Compliance to MIL-STD-810F		✓
Inter-Seat Fabric Connectors - Continuous zipper connection for each seat bottom and seat back connection for added strength		✓
Fabric Connection - Fabric attached with machine screws for ease of repair		✓
Floor Fitting Release - Easily grasp any part of the leg tube for quick release		✓
Seat Bottom - Double layer for improved strength and wear, adjustable to eliminate sag		✓

USAF Performance Requirements**

Configuration	ATD Weight (lb)	Attitude	Velocity (fps)	Deceleration (Gs)	Qualification Test Result
1-Man, 2-Man, 3-Man	250/occupant	30° Pitch Down	35	14	Pass
1-Man, 2-Man, 3-Man	250/occupant	10° Yaw	44	16	Pass

*Testing conducted using 250 lb anthropomorphic test dummies
** Reference USAF Performance Requirements document PD990315

09.20.WSTS.BTR Approved for public release ECD 2009-12.