

SCIF-certifiable systems

AAR Mobility Systems is proud to provide SCIF technology for Hardside Expandable Small, Air Mobile Shelters (HESAMS/HELAMS/LAMS) as well as our 20-foot ISO shelters (TFI) and vehicle mounted systems (LMS Type 1, 1087). Our shelters now have the option to be equipped with RF and acoustic protection in the form of an exportable enclosure, or self sustaining built-in solutions, for use in high-threat environments. This combined solution provides our military forces a quickly implemented secure capable mobile command post, that meets mission requirements.



H.E.S.A.M.S expanded



Turnkey TFI



H.E.L.A.M.S expanded



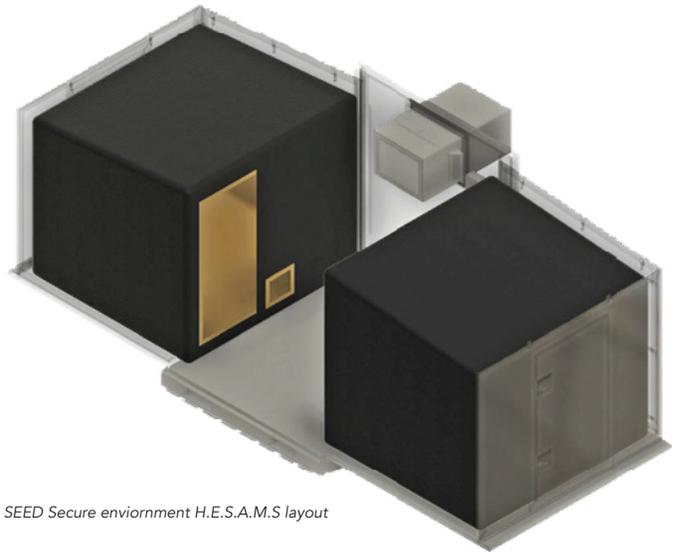
Vehicle mounted shelters

SEED secure environment for A.M.S shelters

Shielded EMI Enclosure for Deployment (SEED)

The SEED Secure Environment was designed to be highly portable and satisfy requirements for a reliable RF isolation solution that is easy to pack and travel. Power, RF, and data signal filtering ensure technical safety of the working environment. One or Two Technical Secure Working Areas (TSWA) for processing high-side data set up. The TSWA is idea for military units that need to isolate inside signals to meet MIL_STD 188-125. Technology approved by all SSOs in the form

of a travel enclosure in high-threat environments.



SEED Secure environment H.E.S.A.M.S layout

Speech masking for T-SCIF solutions

RF and Acousting Protection

The fixed-installation SpeechMasking unit provides necessary active voice protection, with a speech mask that can't be filtered out, making AAR Mobilities' T-SCIF solutions STC-50 equivalent.



Fixed-installation SpeechMasking unit provides necessary active voice protection to make mobile shelters STC-50 equivalent

T-SCIF solutions

One-pallet position H.E.S.A.M.S

Hardside expandable small air-mobile shelter

Our H.E.S.A.M.S shelter ships in a single pallet position and expands to 184 square feet. From stowed to fully expanded in under twenty minutes with two to four person setup. Environmentally controlled, lightweight, slingable, airliftable, forkliftable, and two-high-stackable SCIF-certifiable shelterized system.

P/N	Color	
58205-003-A03	Green	
58205-003-A07	Tan	
Dimensions		
Exterior Stowed	88"W x 108"L x 96.25"H	
Interior Stowed	68"W x 100.6"L x 86.5"H	
Exterior Deployed	245.38"W x 108"L x 96.25"H	
Interior Deployed	243"W x 95"L x 86.5"H	
Tare Weight	Payload Capacity	Max. Gross Weight
4755 lbs. (58205-003)	5,245 lbs.	10,000 lbs.



H.E.S.A.M.S stowed



H.E.S.A.M.S expanded

Two-pallet position H.E.L.A.M.S

Hardside Expandable Light Air-mobile Shelter

The H.E.L.A.M.S ships in a two-pallet position and expands within twenty minutes with two-to-four person setup. Offering a larger working area than the H.E.S.A.M.S, the HELAMS can provide space for large groups, meetings, and command center operations. When equipped with the SEED environment the H.E.L.A.M.S becomes a SCIF-certifiable unit with speech masking that cannot be filtered out. Offering a highly mobilizable system built to meet mission requirements.

P/N	Color	
58204-001	Green	
58204-002	Tan	
Dimensions		
Exterior Stowed	96"W x 178"L x 96.25"H	
Interior Stowed	79.7"W x 174.3"L x 87"H	
Exterior Deployed	258"W x 178"L x 96.25"H	
Interior Deployed	256"W x 174.3"L x 87"H	
Tare Weight	Payload Capacity	Max Gross Weight
6,445 lbs.	9,210 lbs.	15,000 lbs.



H.E.L.A.M.S stowed



H.E.L.A.M.S expanded

T-SCIF solutions

Vehicle mounted LMS

Lightweight multi-purpose shelter

The LMS is a lightweight transportable shelter used for mobile command operations. The shelter is typically mounted on a M1152A1 HMMWV with B2 Armor Kit (and earlier Variants). The LMS shelter provides EMI shielding to protect user installed electronic equipment. The shield is a continuous metallic surface that maintains continuity around joints, door openings, entry panels, and other possible sources of emissions' leakage. Designed for outdoor use in all weather conditions and built to compliance with ASTM E2377.



LMS exterior

P/N	Color	
58323-002-A01	Green	
58323-002-A05	Tan	
58323-002-L01	Camo	
Dimensions		
Exterior	84"W x 102"L x 67"H	
Interior floor area	43 sq.ft.	
Interior volume	287 cu.ft.	
Personnel door opening	30"W x 55"H	
Shortened 90"L version available		
Tare weight	Payload capacity	Certified for
608 lbs.	3,300 lbs.	IAT, EAT, Rail & ground



LMS mounted on HMMWV

Vehicle mounted 1087 E.V.A.N

Expandable van shelter

The expandable shelter is a transportable enclosure designed for mounting on the family of medium tactical vehicles (FMTV) 5-ton truck chassis to support mobile command and support operations. The shelter includes four upper-corner tie-down rings and a rear double personnel door with a securable interior emergency release. Designed for outdoor use and constructed in compliance with ASTM E2377.



1087 mounted on FMTV

P/N	Color	
50422-005	Green	
50422-006	Tan	
Dimensions		
Exterior stowed	96"W x 278"L x 96"H	
Exterior deployed	164"W x 278"L x 96"H	
Weight	Payload	Max. gross weight
9,415 lbs.	5,585 lbs.	15,000 lbs.
Electrical		Interior lighting
120/208 V 3 Phase 100A 60Hz		LED



1087 expanded exterior with stairs

T-SCIF solutions

Self-contained TFI

Twenty-Foot ISO Shelter

The TFI (20-foot ISO shelter) ships in a two-pallet position, providing a turnkey solution with no setup required. Engineered with integrated EMI shielding to safeguard sensitive equipment and communications in contested environments, the TFI delivers over 110 sq. ft. of technical secure working area. SpeechMasking technology ensures active voice protection that cannot be filtered out, this turnkey facility delivers plug-and-play capability straight out of the box with performance equivalent to STC-50. Available in expandable and non-expandable models with up to 60dB or 80dB of shielding respectively.



TFI exterior

1:1 TFI P/N	
58301-TBD*	With mechanical room (MR)
Dimensions	
Exterior	96"W x 238.4"L x 96"H**
Interior (FI) wall to wall	86.7" W x 225.1"L x 85.9"H
Interior (MR) wall to wall	Main: 86.7"W x 184.2"L x 85.9"H MR: 86.7"W x 42.7"L x 85.9"H
Nominal Tare Weight	
4,570 lbs.	w/ MR and fixed corner blocks
7,570 lbs.	w/MR, 20k generator, 42k ECU, and manual jacks
Max Gross Weight	Floor Weight Rating
20,000 lbs.	Uniform load: 65lbs. / sq. ft.
	Concentrated load: 2,000 lbs. over 4 sq. ft.



TFI loaded onto aircraft



TFI on ISO Mobilizer P/N 60373-001

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