

SCIF-Certifiable Systems

In partnership with Intelligent Devices, AAR Mobility Systems is proud to offer a full range of both expandable and non-expandable SCIF-certifiable shelters. Our lightweight, slingable, and airliftable solutions are engineered to meet mission requirements. The single pallet position HESAMS (Hardside Expandable Small Air Mobile Shelter) and two-pallet position TFI (20-foot ISO shelter) can be customized per customer specifications, including but not limited to: power supply, number of drops, and system intergration.



Premiere Expandable T-SCIF: HESAMS

The HESAMS (Hardside Expandable Small Air Mobile Shelter) ships in a single pallet position and fully expands within twenty minutes. The SEED Secure Environment (Fig. 1) was designed to be highly portable and meets requirements for a reliable RF isolation solution that is easy to pack and transport. Power, RF, and data signal filtering ensure technical security of the working environment. The fixed-installation SpeechMasking unit (Fig. 3) provides necessary active voice protection, with a speech mask that can't be filtered out, STC-50 equivalent.

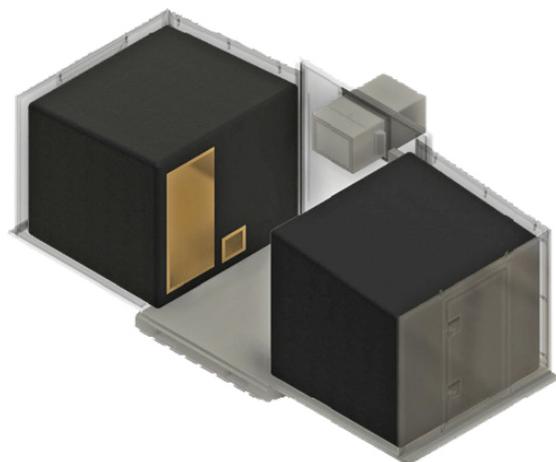


Fig 1: The shielded enclosure system combines portability with straightforward setup, providing teams with time-sensitive mission requirements a reliable solution available in all our hardsided mobile shelters.



Fig. 3: Fixed-installation SpeechMasking unit provides necessary active voice protection to make mobile shelters STC-50 equivalent

Affordable Static T-SCIF: TFI

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 (Fig.2). 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.

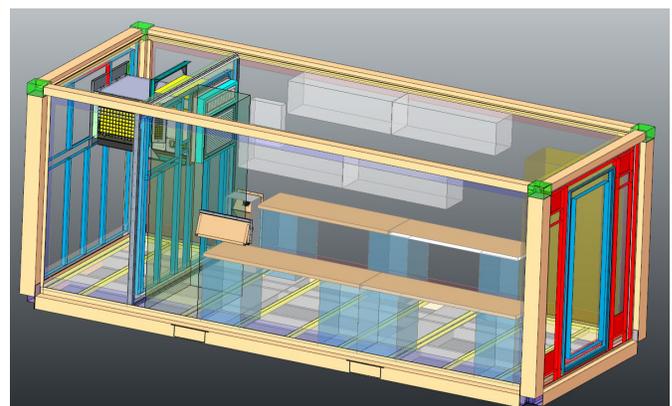


Fig. 2: TFI EMI shelter with 110.9 sq. ft. of TWSA and a 25.7 sq. ft. mech room

WARNING: This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec. 2751 et seq.) or the Export Administration Act of 1979, as amended (Title 50, U.S.C., App. 2401 et seq.). Violators of these export laws are subject to severe criminal penalties.

Single or Two-Pallet Position

Ultimately, the right tactical SCIF for the mission depends on pallet position requirements. For single-pallet operations, the HESAMS provides an effective, maneuverable, and secure command center. When a single pallet is not required, the TFI delivers secure communications in a two-pallet, non-expandable shelter. All AAR Mobility Systems products are fully customizable to meet customer specifications and mission needs.



Fig. 4: HESAMS slung by Black Hawk at Northern Strike Joint Operation



Fig. 5: TFI loaded into C-130 aircraft

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	Maximum Gross Weight
4755 lbs. (58205-003)	5,245 lbs.	10,000 lbs.
Ramp	58205-204-B02	
Power	120-208VAC / 3PH / 60A / 60Hz	
ECU	42k BTU/Hr ECU in cooling slide in / out	
Flooring	Aluminum tread plate	

P/N	Color	
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.	



Fig. 6: HESAMS fully deployed



Fig. 7: TFI being placed on k-loader by forklift