

Aviation Technical Services (ATS) specializes in making the MRO process better through reducing span times, increasing mechanic efficiency, improving airline operational performance, and lowering overall costs through maintenance prevention strategies.



Crew Rest Module



Installed Crew Rest Module

The Crew Rest Module (CRM) by ATS has been designed with pilot input to ensure required amenities and safety provisions. It has proven reliability through in-service use for more than two years with a freight operator.

CRM TECHNICAL SPECIFICATIONS

- FAA STC approved design, meets all required certification requirements
- CRM can be hot swapped between provisioned aircraft which allows use of cargo area as needed
- CRM interchangeability allows for a quick removal and reinstallation in under an hour on aircraft with shipside provisions installed
- Self-contained module
- Exterior mounted pull straps for ease of installation and moving
- Utilizes existing floor loading system to secure CRM without modification to loading system
 - Utilized standard 1D position locks, no new training required to retain CRM
- Integrated “Backpack” for systems connections and stowage of umbilical hoses and wiring
- Base size 62” x 88”; height 80” (inches)
- Weight (empty): 859 pounds

CRM ERGONOMICS

- FAA required 2-way communication interphone system between flight deck and CRM
- Provides a place for crew members to rest during long flights
 - Spacious, private and quiet area for crews that is both functional and extremely comfortable
 - Temperature controlled airflow and heating design
- Ease of access with alignment design of CRM door and cargo area door
- Cover included for when CRM stowed and not installed



Crew Bunks



Amenities



Control Panel

CRM INTERIOR FEATURES:

Two (2) bunks, each with the following:

- Max allowable weight of 290lbs
- Privacy curtains
- Reading lights
- Gasper air
- Safety belts
- Assist handles
- Oxygen masks
- Smoke detector

Dual USB-A charging ports on the outside of the bunk

Literature pocket outside of each bunk

Emergency Equipment stowage for flashlights, fire extinguisher, and oxygen bottles/masks

In-line ventilation heater with controls

Control panel includes the following:

- Heater controls
- Dome light control
- Flight interphone
- Communication mic
- Decompression alarm
- Main deck cargo fire alarm
- CRM smoke alarm
- Speaker and alert chimes
- No Smoking/Fasten Seat Belt sign

Non-slip flooring

Overhead dome area light, smoke detector, and EXIT sign

Integrated decompression door/grill with assist step

Sealed entry door with dual latch and pressure relief valve



SMOKE BARRIER (SMB) FOR CREW REST MODULE



SMB CUSTOMER BENEFITS

- Provides a barrier to enclose the Position 1D for CRM use
- Zippered access doors allow passage for crew to check cargo as needed
- Integral viewing windows allow for quick inspection/viewing of cargo area
- Design accommodates fire hose pass throughs
- Easy to install and remove using standard cargo fittings and Velcro
- Meets decompression and abuse load requirements
- Foldable for compact stowage when not in use
- Weight: 28 pounds

DETAILS FOR CRM AND SMB

Shipside provisions:

Aircraft can be provisioned to accept the CRM and SMB without eliminating the shipping capacity or usage of Position 1D. Shipside provisions (systems and electrical) for the CRM are in the overhead ceiling tucked behind access doors. Shipside provisions for the SMB do not impact the cargo loading system or locks. Cockpit controls and provisions are all contained in a P5 panel.

AIRCRAFT APPLICATION

Boeing 767-300F Series

ATA CHAPTER

21/25:	Shipside Ducting & Systems
24/25:	Electrical Shipside Wiring & Provisions
25:	CRM Assembly
25/26/35:	Emergency Equipment
26:	SMB Assembly
31:	P5 Panel in Cockpit
52/53:	SMB Shipside Provisions

ATS PRODUCT REFERENCE

Multiple required for entire installation and provisions (collectors listed below):

- 721930-COL-0X1 for CRM Installation
- 721930-COL-0X3 for Smoke Barrier Installation
- 721930-COL-0X5 for Shipside Installation
- 721930-COL-0X7 for Emergency Equipment Installation

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