



Mobile Maintenance Containerized Solution (MMCS)

Mobile Maintenance Containerized Solution (MMCS) is a collaborative effort with the Navy (Fleets, TYCOMs, and NAVSEA) that provides encrypted high-speed internet connectivity for both classified and unclassified networks and available as portable and standalone modules. The MMCS can support technical and / or maintenance personnel needing internet access to support the Navy outside of a fleet concentration area or after a fleet concentration area has been damaged from a natural or manmade event.

Access to technical information and maintenance processes via the internet is increasing. Plus, the ability to communicate with a dispersed technical and maintenance community is becoming an operational necessity. Access to email and online data is no longer a nicety but a necessity. A mobile connectivity solution is needed to provide both unclassified and classified access for technical information and maintenance personnel collaboration and coordination.

Mobile communication platforms are commercially available in multiple configurations such as buses, trucks, and containers. These various configurations can be constructed into a Sensitive Compartmented Information Facility (SCIF) for added versatility. In addition, these platforms can operate using commercially available utilities as a standalone facility or a combination of both. To provide the best versatility, a self-contained enclosure, referred to as MMCS, can be used for projects that require fast deployment times to established maintenance communication facilities or expeditionary maintenance communication facilities that need temporary facilities to support damage assessments, technical assistance visits, or ship maintenance. They can be transported to the desired location via truck, train, ship, or plane.

MMCSs are built using ISO shipping containers and are available in standard sizes of 8 feet wide, 8.5 feet tall, and either 10 feet, 20 feet, or 40 feet long. They are simple to design and easily constructed off site. The only site requirement is a location suitable for a MMCS to operate and connect to utilities. The MMCS would be designed to connect to the internet via a local Internet Service Provider (ISP), DISA connection, or satellite. The SCIF versions of the MMCS meet or exceed ICD 705 standards, including STC 50 acoustic protection. MMCSs are an extremely versatile solution as they can act as a free-standing structure, placed inside a hangar, a warehouse, or modularly constructed. A 20-foot MMCS can accommodate six workstations and all necessary support equipment and a 40-foot MMCS can accommodate more workstations or a conference area. MMCSs can be custom designed to support any situation or scenario. When not in use, MMCSs can be stored in a central location until they are needed.

MMCS can be outfitted with existing Navy communications technology as well as all necessary support equipment for communications via the internet. These MMCSs come with appropriate electrical, HVAC, lighting, and security to support the intended operations. The MMCS can also be equipped with portable electric generators, deployable masts, and restroom facilities.



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