

MCTSSA

Marine Corps Tactical Systems Support Activity



The **Digital Technical Control (DTC)** provides a fully interoperable interface between deployed Marines, the JTF, other Services, and Base, Camp & Station networks. It provides the multiplexing and link management segment of a Command Element communications node and the interface between transmission facilities and subscriber systems. The DTC provides the capability to manage communications resources at a node.

Background: Digital Technical Control (DTC) Facility, will supplement the AN/TSQ-84 while the DTC Facility is being fielded to the operational forces. The AN/TSQ-84 has been in service since the 1970s and was designed to manage an analog communications system. The AN/TSQ-84 possesses no equipment that can perform the essential technical control functions and procedures over a digital communications network. Once the DTC Facility is fully fielded, the AN/TSQ-84 will be retired from service. The DTC Facility provides the Marine Corps with the capability to control the technical aspects of communications networks, both analog and digital, in the tactical environment.

System Description. The DTC Facility provides a technical control function for the MAGTF Commander. The DTC Facility performs control and management functions over expanding digital communications systems integrating the communications assets of a node into an efficient system that provides the MAGTF commander with seamless communications while making efficient use of limited bandwidth and equipment. The DTC Facility is the central management facility, terminating all terrestrial links and switch circuits for major commands Data circuits and miscellaneous subscriber circuits are interconnected, as required. The DTC Facility consists of an S-280 shelter that is modified to accommodate COTS,

DTC Fact Sheet



GOTS, and NDI technical control and ancillary equipment. The shelter houses patch panels, multiplexers, modems, circuit switches, a facility management terminal, test equipment, communications security (COMSEC) equipment, and miscellaneous support items. A dedicated five-ton truck transports the DTC Facility. Two shelter mounted environmental control units (ECUs) provide heating/cooling for the shelter. When set up in the operational configuration (removed from the transport vehicle), a tent is collocated with the shelter and houses call service attendant positions with associated equipment, as well as a circuit switch management workstation.

MCTSSA Support: MCTSSA provides engineering support to MARCORSSCOM for system life cycle support and product enhancements. MCTSSA provides direct support to the operating forces by assisting in the delivery of hardware, firmware and software upgrades, as well as providing helpdesk support.

info:

Technical Support Officer:
725-2655
DSN 365-2655



Box 555171
Camp Pendleton CA 92055-5171
www.mctssa.usmc.mil