

Digital Technical Control (DTC)

DESCRIPTION

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multi-channel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop, and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire/4-wire, and signaling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>17</i>	<i>0</i>

OPERATIONAL IMPACT

The DTC will act as a central management facility terminating most communication links and individual circuits for major commands and allow the MAGTF commander to install, operate, and maintain the supporting C4I system. The DTC, along with the Unit Level Circuit Switch, Tactical Data Network, Tactical Communications Central, and various multi-channel radios, will form the backbone of the Marine Corps digital communication network. The DTC will integrate the communications assets of a node into an efficient system that provides the commander seamless communications while making efficient use of limited bandwidth and equipment.

PROGRAM STATUS

The program is in acquisition phase III.

DEVELOPER/MANUFACTURER

General Dynamics Communication Systems