Command and Control PC
C2PC Brings the Tactical Picture to the Desktop – Supported by Robust Planning Tools, Decision Aids and Display Capabilities
Real-time situational awareness is mission critical for America’s military operations. A native Windows®-based application is needed to share and edit the Common Operational Picture (COP) across multiple workstations and among multiple agencies. In addition, the application needs to support operations in moving vehicles and work over tactical radios. The solution – Command and Control Personal Computer (C2PC) from Northrop Grumman.

Developed for the U.S. Marine Corps, C2PC displays the COP from a Global Command and Control System (GCCS)-based server or tactical data from other C2PC workstations. Users can view and edit the COP, apply overlays, display imagery, send and receive tactical messages and gain overall battlefield situational awareness.

Flexible Architecture Ensures Effectiveness

C2PC consists of the C2PC Gateway and the C2PC Client. The C2PC Gateway interfaces with a GCCS server to exchange COP data. The C2PC Client provides for all user interaction with the COP and other tactical data.

Each Gateway supports bi-directional data exchange between the GCCS server and up to 512 clients or other gateways, enabling a synchronized COP. Should a Gateway lose connectivity with the GCCS server, the Gateway manages track updates from its Clients and synchronizes automatically with GCCS once the connection is restored.

C2PC Clients connect to the Gateway over a local area network or combat net radios. Clients can also operate alone and communicate peer-to-peer with Variable Message Format (VMF) messages over tactical radios.

The C2PC Client depicts all COP and tactical data in a graphical manner using single or multiple map windows. Tactical data can include graphic overlays, routes and symbology from received VMF messages. This data can be shared completely with other C2PC clients and substantially with the GCCS server.

The C2PC architecture also provides a development framework via a suite of public application programming interfaces (APIs) that allows third-party developers to extend C2PC functionality with C2PC Injectors.

C2PC Is Everywhere


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