



# MAGTF-C2

## *Marine Air Ground Task Force-Command and Control*

The MAGTF-C2 vision encompasses a holistic environment of people, processes and technology that enables network-centric operations across the military range of operations and enhances effectiveness through shared understanding and better decision making. Within the MAGTF-C2 environment, information is integrated, aggregated and distributed from disparate Marine and Joint C2 and ISR systems to users at all echelons – from the command center to the individual Marine. Published air products are integrated into a Shared Data Environment producing a fused ground/air picture for Marines. These air products include: air tracks, surveillance information, intelligence information, weapons coordination and management, air control measures and platform and system status.

The MAGTF-C2 concept allows for visualization of a complete air/ground picture, improving Marine planning and execution. It also furthers the goal toward Army/Joint interoperability by providing a common operational picture of the entire mission environment.

### **Reduced Cost through Commonality**

General Dynamics C4 Systems, in partnership with the US Marine Corps, has developed a Common Module Approach for the MAGTF-C2 Capability Framework. Using a common set of hardware and software, MAGTF-C2 will be able to support all units. This includes the Aviation Command Element (ACE), Ground Command Element (GCE), Command Element (CE) and the Combat Service Support Element (CSSE).

The MAGTF-C2 facility can house operators hosting Joint air and ground operations and optional Intel and Logistics services. It can be scaled from Battalion to MEF by using the Capability Sets (CapSets) of the Combat Operations Center. MAGTF-C2 software will include common applications, enterprise services, network services, and transmission services.

In addition, the MAGTF-C2 concept will contain a common viewer that will include a three-dimensional air/ground view, a two dimensional collaborative environment and web-based visualization. MAGTF-C2 will leverage the common viewer software found in the Command Post of the Future (CPOF) to provide a common user interface and collaborative capabilities for Marines.

### **Increased Capability**

In addition to commonality, General Dynamics is providing increased capabilities for MAGTF-C2 by leveraging existing investments and emerging technologies. These include:

- Combat Operations Center (COC) Infrastructure and Hardware
- Common Aviation Command and Control System (CAC2S) Software
- JTCW Common Tactical Picture
- Command Post of the Future (CPOF) Situational Awareness Collaboration Toolset
- Compliance with FORCENet architecture with shared data environment
- Legacy C2 & Sensor Feeds (AFATDS, C2PC, etc.)

Common viewer & Mediation Services within the MAGTF-C2 Capability Framework will increase Joint/Army Interoperability. MAGTF-C2 users will experience collaborative planning and execution enabled by:

- CPOF-based common viewer enabling Marines to see what other Marine and Army planners are working on and collaborate with them in real-time
- Shared Data Environment providing all users access to information as it becomes available
- Map-Based Collaboration including common chat tools & ability to share overlays and other data elements between legacy systems & common viewer

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