



## TARGETING AND COMMUNICATION COMMAND KIT

The Targeting and Communication Command Kit (TCCK) is a battlefield management solution designed specifically for use by the JTACs (Joint Terminal Attack Controller) and JFOs (Joint Forward Observer).

It combines situational awareness management tools and joint fire coordination features into a consolidated package, allowing airborne assets, ground assets, naval assets and combat controllers to safely coordinate operations within a shared tactical theatre.

### KEY FEATURES

The application can interact with coalition assets by means of the Variable Message Format protocol (VMF) to provide the following features:

- Generation and sharing of situational awareness through the provision, update and dissemination of the tactical picture
- Locating and targeting of tactical entities through integration with Laser Range Finder (LRF) devices
- Digitally-aided Close Air Support (DaCAS) for the coordination of airborne fire support
- Digitally-aided Artillery Support (DaARTY) for the coordination of artillery fire
- Digitally-aided Naval Fire Support (DaNFS), for the coordination of naval Fire Control Systems (FCS)
- Exchange of digital imagery among coalition assets.





## TYPICAL CONFIGURATION

A typical kit consists of the following elements:

- 1x ruggedised tablet or laptop running the TCCK application
- 1x GPS receiver (internal or external, military or civilian)
- 1x Laser Range Finder (LRF)
- Up to 2x Combat Net Radios
- 1x Improved Data Modem (optional).

## TARGET LOCATION

TCCK integrates with the most common LRFs and allows the operator to easily and accurately calculate the position of targets. This information can then be shared between the cooperating units in order to provide an enhanced, shared, operational picture.

## TECHNICAL FEATURES

The TCCK software application can be easily installed on any Windows® based ruggedised laptop or tablet computer.

The system consists of a highly modular and scalable architecture providing a flexible solution to meet different operational needs.

The tactical communication between the TCCK and associated assets is granted by the participation to one or two independent VMF networks for both terrestrial (HF/VHF/UHF) and satellite data exchange.

Interoperability with coalition agencies is granted by a VMF-over-Combat Net Radio interface compliant with the following standards:

STANDARDS	VERSIONS
MIL-STD-6017	A and B (STANAG 5519 Ed.1)
MIL-STD-2045-47001	C and D /w Change Notice 1
MIL-STD-188-220	C and D /w Change Notice 1

Compliance with communication standards is continuously verified by the participation to events and operations involving national and coalition assets.