

Introduction

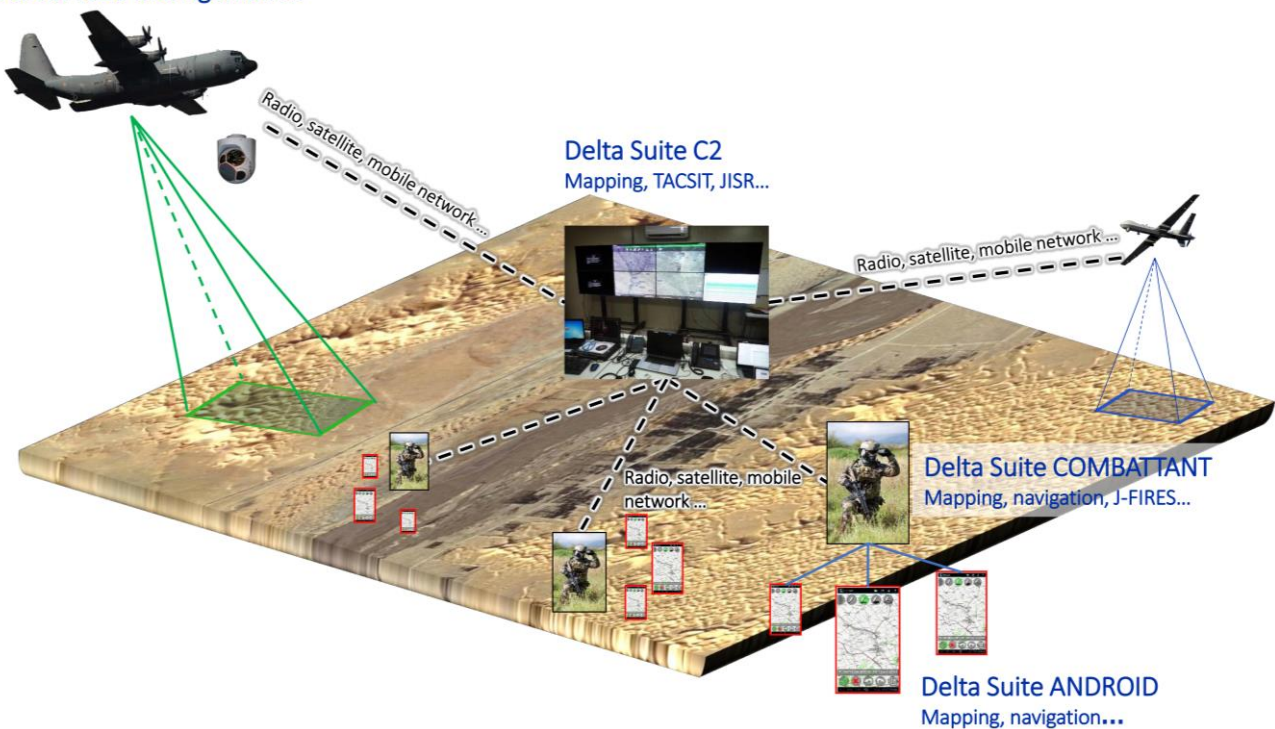
The DELTA SUITE software solution from IMPACT is available in different mission-critical versions tailored around specific operational needs: VIEWER, AERO, C2 and COMBATANT.

All versions share a number of common basic features and add mission-specific modules: Mapping, Navigation, Moving Map, TACSIT, JISR, J-FIRE...

Data link between various DELTA SUITE assets is ensured through compatible communication systems.

Finally, the DELTA SUITE is fully compliant with a wide range of military and civilian data exchange protocols and standards, ensuring increased interoperability with a large number of 3rd party solutions.

Delta Suite AERO
Mapping, moving map,
sensor feed management...



Basic features

Persistent display of:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Coordinates display (MGRS, LAT/LON) • Altitude & Elevation (m & ft) • Graphical Scale (metric / imperial) • Local / Universal Time | <ul style="list-style-type: none"> • Navigation tools: map drag & pan, 3D view orientation, Zoom In/Out, markers, GOTO, Bookmarks • Integrated GIS query tool • Azimuth & Distance measurement tool • 2D / 3D toggle |
|---|--|

Non contractual document

IMPACT: Sole Proprietor Simplified Joint Stock Company under French Law, with a capital of EUR15,000 and with its Head Office located at LAB'O, 1 avenue du champ de Mars, 45100 Orléans, France.

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Mapping module: Geo-mapping data integration & management and terrain analysis tools

In addition to the generic functionalities described above:

- Drag-and-drop import of various geospatial data formats: GeoTIFF, JPEG 2000, ECW, DTED/DMED, Shapefile, KML/KMZ, NITF, S57, USRP, ASRP, Mr Sid
- Vector graphics overlays and drawing tools, elevation profile, 2D & 3D intervisibility...

Navigation module

This particular module enables real-time 2D or 3D navigation:

- NMEA 0183 GPS frame compliant
- GPS auto configuration and auto connect / disconnect
- Creation and management of waypoints, routes and POIs
- Various map orientations
- Navigation window with coordinates, elevation, current heading, ground speed, bearing, distance to WYPT, ETA display
- Color-coded signal strength indicator
- Real-time route logging
- Alerts (Danger areas, phase lines, route / corridor lateral egress alert)

JISR module

This module offers powerful JISR (Joint Intelligence, Surveillance and Reconnaissance) features. It enables the treatment of various sensor feeds and metadata in real-time or near real-time: ATO/ACO display, Target information display, Aircraft or UAV position & track, sensor footprint and sensor point of interest (SPOI), Aircraft to target path...

J-FIRE module

The J-FIRE module provides cutting-edge tools and features which enable the user to be fully integrated within a DACAS loop.

The J-FIRE module relies on superior BFT and TACSIT data fusion and real-time or near real-time positioning data exchange for increased SA.

The J-FIRE module also seamlessly integrates with a wide range of LRFs (Sophie MF & XF, JIM LR, Vector 21 / 4 / Nite, Mosquito and PLRF25C).

The J-FIRE module allows the combatant to extract and display coordinates from a designated point on the map and transmit the targeting data using standardized message formats.

The J-FIRE module also offers messaging and graphical tools to create, update, send and receive TACSIT data.

Situational Awareness (SA)

The DELTA SUITE - COMBATANT version provides superior Situational Awareness, based on real-time or near-real time data fusion of BFT and sensor downlink feed, as well as TACSIT data.

Military and Civilian Sensors and Communication equipment

The DELTA SUITE is fully compatible with existing military sensors and devices: Pearl, Pilar, Blue Force Tracker (SILEX, Sysnav) etc.

Supported communication equipment include: ROVER 5i, Vortex, SIR, PRC117, PRC152 and Inmarsat.

Standards et protocols

The DELTA SUITE - COMBATANT version is fully compliant with the following standards and protocols: KLV (STANAG 4609), VMF (STANAG 5519), TCP/IP, Liaison H (LH)...

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