Delta Suite concept for police and civil protection operations

Presentation

The Delta Suite enables a situation to be presented on a map, in real time, to each member of a network defined for an operation, using PCs, tablets or smartphones to share elements of interest. It shortens decision-making loops.

DELTA SUITE CIV-CORE brings together the basic modules required **by users in the security forces (police, firemen, rescue, customs, private security, etc.)**. Its 'Android' version is designed to equip operators working on this operating system, whether **on foot** or **in vehicles**.

The military version of DELTA SUITE has been used in operations by the French Special Operations Command since 2015. It promotes interoperability with third-party systems by complying with military and civilian standards and protocols.

Features of DELTA SUITE CIV-CORE for Android

Built on a major foundation of native functionalities (2D display (3D will be available in 2025)), search tools, measurement tools, message writing, etc.), various specific modules have been integrated to provide advanced capabilities.

Cartography module

The integrated mapping tools enable you to interact with a wide range of geographic data formats (import vector or raster files and connect to map servers) and perform spatial analyses (calculate slope profiles, intervisibility, danger zones (geofencing), etc.).

Communications module

The DELTA SUITE CIV-CORE automatically interconnects members of the same communication network (GSM, satellite radios or other radio communication systems[1]). It can also be used as a gateway between different networks to transfer information from a local bubble to a remote command centre.
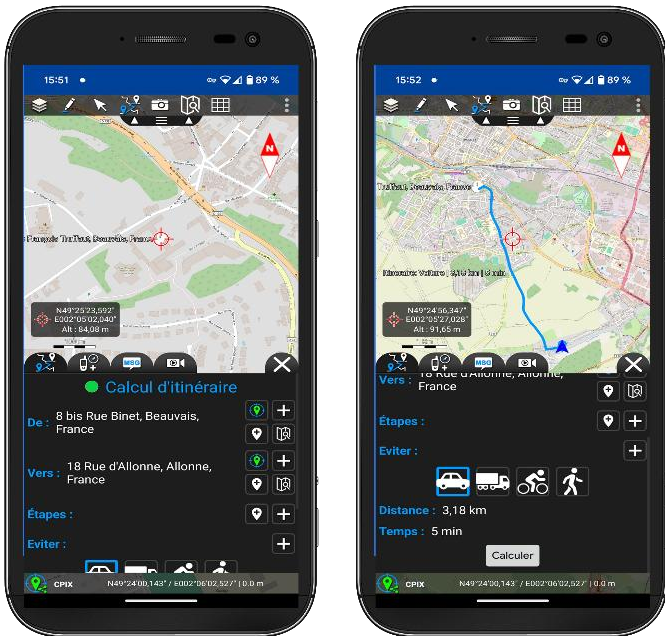
Provided that users are communicating over an IP network, a "Mission Critical Push To Talk" (MCPTT) feature allows the DELTA SUITE to be used as a radio.

Location and navigation module

This module allows you to position yourself on the map using internal or external receivers and provides access to navigation tools. In addition, if it is connected to a remote server, this module can be used to display or search postal addresses and calculate itineraries which can be configured according to mode of transport, type of itinerary (recommended/shortest/fastest) and areas to avoid.

Events tracking module

This module automatically records significant events[2] reported by the Delta Suites (Windows or Android) that make up the network. It requires connection to the server hosting the service.

Tactical Situation module (TACSIT)

Provided it is connected via one of the many compatible[1]means of communication, this module provides advanced tactical situation monitoring and exchange tools. It is based on real-time fusion of feedback from friendly positions, vector information[3] entered by operators, and data received from sensors in the DELTA SUITE ecosystem.

In particular, it is possible to exchange annotated or cropped photos (ground baptisms) or videos.

It is also possible to report observations via a simplified data entry interface, and to share these with others by adding comments.

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[1] Contact IMPACT for a full list of compatible equipment and systems.

[2] Contact IMPACT for a full list of events that can be displayed.

[3] A database of symbols relating to the police or firefighting professions must be filled in beforehand by Impact in order to display the symbols corresponding to the use.

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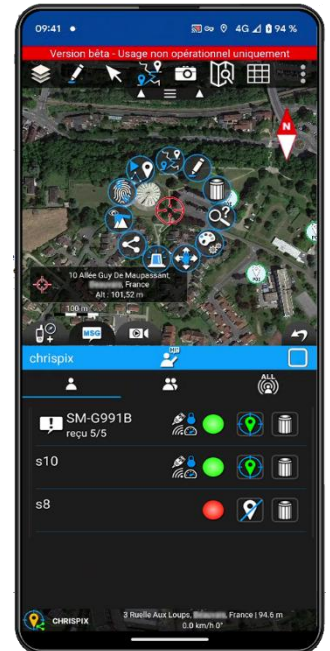
CHAT messaging module

This is an instant messaging tool that can operate either point-to-point (DELTA SUITE's internal exchange protocols) or in client-server mode (Matrix protocol , TCHAP or XMPP compatible). This module enables messages and attachments to be exchanged both within the DELTA SUITE community and with users of compatible systems.

Full Motion Video (FMV) module

This module offers the ability to exploit real-time video streams from a variety of sensors (smartphone cameras, drones, aircraft, etc.).

Processing the video stream and associated metadata enables the DELTA SUITE :

- Information about the target ;
- The carrier's position;
- The sensor's footprint;
- The sensor's line of sight.

Optional module

DS DRONES

This business module, which is compatible with Windows and Android versions, lets you interact with UAVs using the MAVLINK protocol. It is thus possible to transmit commands to the drones and monitor their parameters. Unlike **DS WAVEBIRD**, which is almost exclusively dedicated to remote piloting of UAVs, the DS DRONES module will enable complex payloads to be piloted, either alone or in conjunction with other modules.

Contact

For more information, you can visit our website https://sas-impact.fr/ or write to us at .contact@sas-impact.fr