



# maria DSS

(Dismounted Soldier System)

**THE CHALLENGE:** A Commander's challenge is to keep track of his forces, distribute his orders and provide subordinate units with time critical secure information, and an up to date operational picture.

**OUR SOLUTION:** Teleplan MARIA™ DSS provides an updated situation picture and the capability to send and receive secure e-mail to operational units utilizing PDAs. MARIA™ DSS provides units with situation awareness in the map on the PDA, by communicating the dynamic situation picture for a predefined area to the mobile units, thus providing force security.

The mobile units automatically report their own status and positions. Additionally, MARIA™ DSS has the ability to report observations. MARIA™ DSS may also be connected to a NATO C4IS or a National C4I System enabling "Blue Force Tracking".

## Common BMS and DSS HQ

Based on Teleplan Globe's geographical information system MARIA™, a Common Battlefield Management System (BMS) and Dismounted Soldier System (DSS) HQ solution has been developed. The HQ incorporates an accredited two level security solution. In current operations the system operates simultaneously on NATO RESTRICTED and National SECRET levels, divided by a Diode Gateway.

Both the common BMS/DSS HQ-solution or a stand alone DSS-HQ solution may function as the MARIA™ DSS base unit.

MARIA™ DSS provides distribution of orders, reports and common operational picture between the base unit and one or more remote units, using a variety of communication systems.

### Communication alternatives includes:

**GSM:** Secure distribution of a situation picture and secure e-mail via a NATO accredited GSM telephone.

**GPRS/UMTS:** Distributed situation picture, asset tracking and secure e-mail over GPRS/UMTS networks.

**CDMA 450:** Distributed situation picture, asset tracking and secure e-mail over CDMA 450 networks.

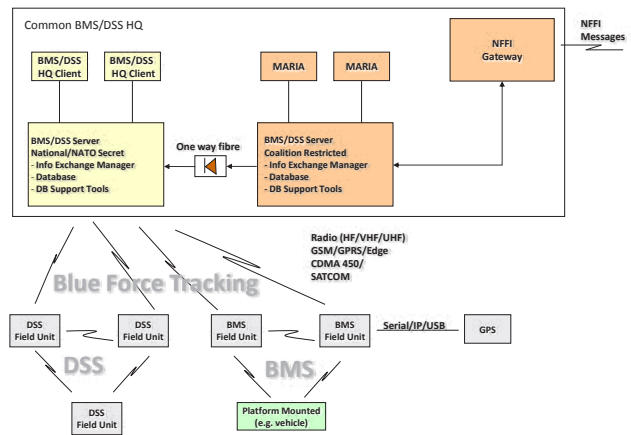
**Tactical Radios:** Secure distribution of a situation picture and secure e-mail via VHF, UHF or HF radios. Option with IDM Technology® to communicate with platforms carrying IDM.

**Satcom:** Distributed situation picture, asset tracking and secure e-mail via satellite networks like Inmarsat, Iridium, Thuraya and VSAT.

**C4IS:** NFFI and STANAG 4406 compliancy enables the DSS to easily be connected to a National C4IS.

**NATO Partners:** Through the NATO Friendly Force Identification [NFFI, STANAG 5527] MARIA™ DSS may be connected to a NATO partner or a National C4IS.

**Map formats:** MARIA™ DSS support a number of commonly used map formats. A MARIA™ map conversion tool [MARIA™ M3], can be used to convert, preview and optimise the raw map data to improve performance.



**Hardware requirements:** MARIA DSS Mobile Unit (MU) is available for Windows Mobile 5 for Pocket PC, Windows Mobile 6 Professional and Windows CE. MARIA DSS HQ is available for Intel compatible PCs running Windows NT, 2000, XP and Vista operating systems.

### Typical MARIA™ DSS users:

#### Military:

- Forward Air Controllers
- Special Forces
- Border Control Forces
- Intel Forces
- Military Police
- VIPs
- Logistics

#### Civilian:

- Police
- Fire Brigade
- Ambulance Services
- Pilot Services
- Customs Services
- Security Companies
- Transport Companies

### Functionality:

- Blue Force Tracking.
- Integrated messaging system.
- Distribution of common situation picture.
- Distribution of map overlays.
- Display of vector and raster maps.
- Map navigation [zoom, pan, center to etc.].
- Display of objects and tracks.
- General support for elevation data [DTED]
- Display of terrain elevation data.
- Terrain profile analysis.
- Supports APP6A/MIL-STD-2525B and NTDS.
- GPS interface.

### Reasons for using Teleplan:

- Operational experience.
- Proven tools and methodology.
- Multi-competence.
- Market intelligence.