CBRN Module

Integrating CBRN Sensors Module as a part of Battle Management System

EFFECTIVE DATA PREPARATION, PROCESSING, SHARING AND DISTRIBUTION WITHIN THE TACTICAL UNITS AND PLATFORMS.
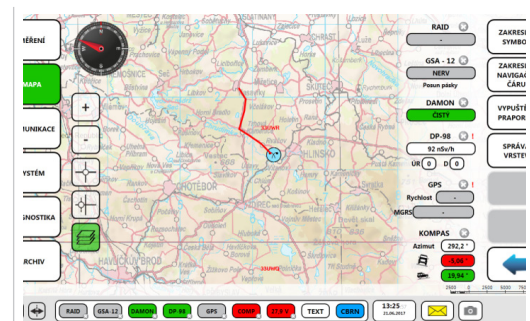
CBRN module can quickly determine the presence of nuclear, biological and chemical contamination on the ground and in the air via its sensors. This application combines specific tasks of CBRN units together with tasks of mechanized troops. This application was set up within a development project, supported by MoD as contracting authority in the years 2015-2017 in cooperation with Military Research Institute.

[OPERATIONAL DESCRIPTION]

Chemical, biological, radiological and nuclear (CBRN) reconnaissance is very important task of CBRN units of the Czech Army. These units must be able to reinforce any troop of Ground Forces so their systems must be fully interoperable.
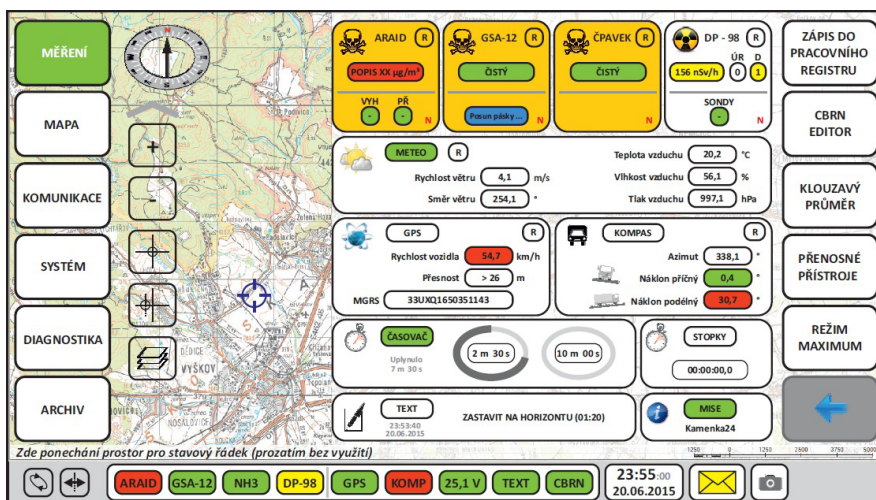
[OPERATIONAL CAPABILITIES]

The main advantage of this module is adaptability of sensors and wide support of existing CBRN sensors and CBRN messages, which are generated automatically. Of course there is the possibility to extend number of sensors. CBRN is a part of Battle Management System and information can be shared vertically or horizontally in chain of command or to ISR units.

FEATURES

▸ Tablet/Windows OS
▸ Exchange of text and position messages
▸ C4ISTAR integration
▸ Send pre-defined signals and receive/send an tactical overlay
▸ Radio Communication
▸ Map Orientation
▸ Blue Force Tracking
▸ Signals, Messages, Chat
▸ Tactical Situation
▸ Sensor integration

PATRA Application

Patient Transfer Application in BADIAN as a part of Dismounted Soldier System

EFFECTIVE DATA PREPARATION, PROCESSING, SHARING AND DISTRIBUTION WIITHIN THE TACTICAL UNITS AND PLATFORMS.

The application PATRA as a part of ICZ DELINFOS® was created within a development project, supported by MOD as contracting authority in the years 2013-2015.

[OPERATIONAL DESCRIPTION]

PATRA is focused on the collection of personal medical data, their evaluation and storage. The monitoring of life functions is the core of medical support in the field.
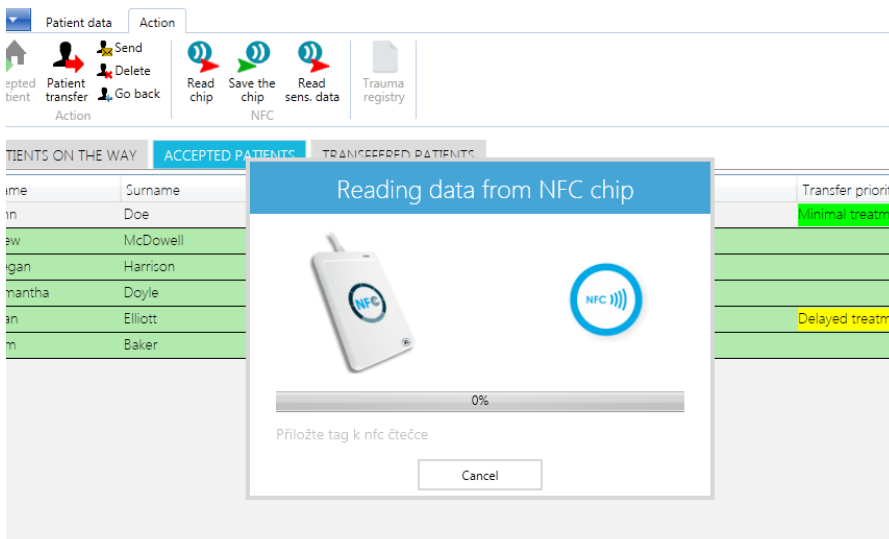
[OPERATIONAL CAPABILITIES]

PATRA collects information from electronic personal medical badge (NFC Chip) via Android application in the field. Data are transferred to the Information System of the Field Hospital. This application supports NATO Field Medical Card.

FEATURES

▸ Smartphone
▸ OS Android
▸ Exchange of text and position messages
▸ C4ISTAR integration
▸ Send pre-defined signals and re-ceive/send an tactical overlay
▸ Radio Communication
▸ Map Orientation
▸ Blue Force Tracking
▸ Signals, Messages, Chat
▸ Tactical Situation
▸ Sensor integration

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