pTRACK
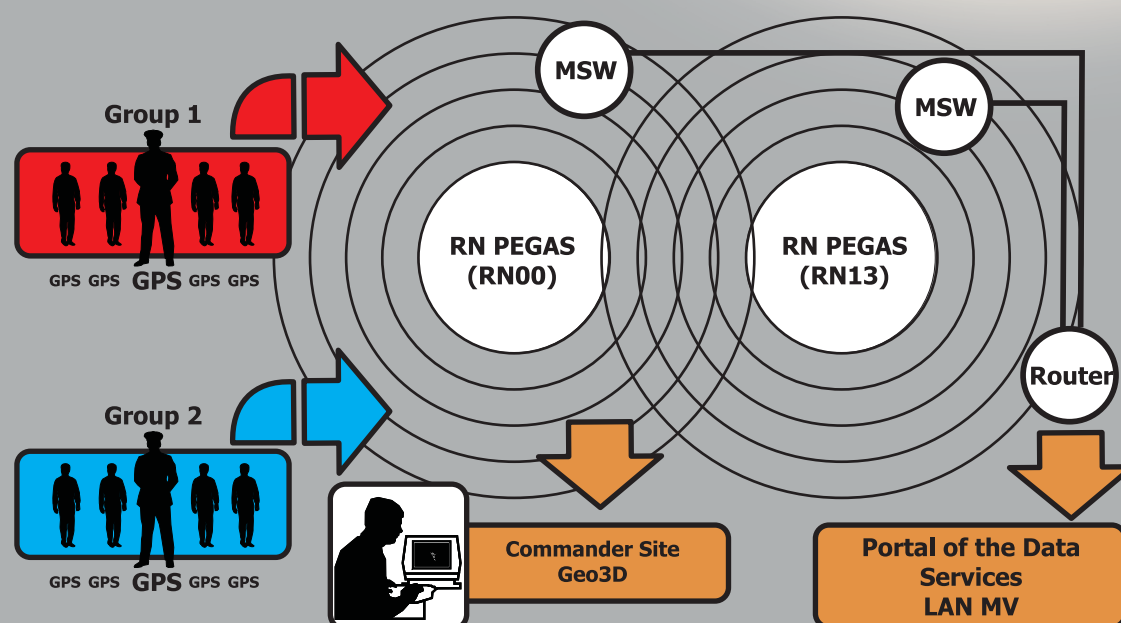## People Tracking System

Characteristics

- Flexible communication system to be used in a critical conditions
- Flexible low-cost solution for the wide spectrum of operating groups
- Central data collection including the information about each group member track and position (Blue Force Tracking)
- Information about the position is transmitted in the real-time
- Direct visualization of each group member in the map
- Simplified and optimized group coordination process from a command post

Basic scheme

Group 1

GPS GPS **GPS** GPS GPS

MSW

MSW

RN PEGAS (RN00)

RN PEGAS (RN13)

Router

Group 2

GPS GPS **GPS** GPS GPS

Commander Site Geo3D
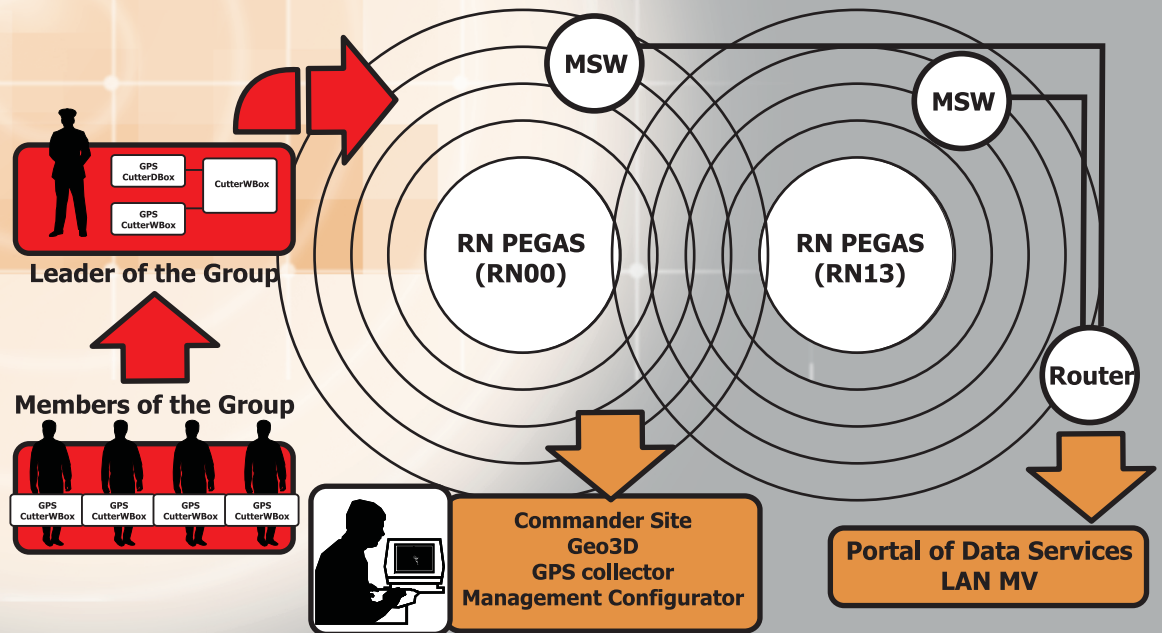
Portal of the Data Services LAN MV

Organization structure I

- **1 Command Center** (PC, communicator CutterWBox, MC 9600, Geo3D)
  Data collection from the group leaders
- **1 - 5 groups**

Organization structure II

- Group members
- **1 group leader** (CutterDBox and CutterWBox combo, MC 9600, GPS)
  Communication between group leader and command post
  Data collection from each member of the group
- **4 - 10 groups members** (CutterWBox communicator, GPS)
  Periodical transmission of the actual GPS position to the group leader

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Technical scheme

MSW

MSW

RN PEGAS (RN00)

RN PEGAS (RN13)

GPS CutterDBox

CutterWBox

GPS CutterWBox

Leader of the Group

Members of the Group

GPS CutterWBox **GPS CutterWBox** **GPS CutterWBox** **GPS CutterWBox**

Router

Commander Site Geo3D GPS collector Management Configurator

Portal of Data Services LAN MV

Description of the technical solution I

Command Post

- All the GPS positions are received via the PEGAS radio network
- Matra MC 9600 radio terminal is used for GPS data collection
- The GPS positions are visualized in the Geo3D GIS

Description of the technical solution II

Group Leader

- CutterDBox data terminal for data collection and communication with both RT Matra MC 9600 and CutterWBox wireless communication module
- Radio terminal Matra MC 9600

Group Member

- GPS collector with the CutterWBox wireless communication module

Summary of the characteristics

- Central positional GPS data collection
- Position visualization in the real-time
- Wireless data collection including the information about each group member track and position
- Fully automated system for GPS position transmission to the command post
- Easy and straightforward system configuration
- Whole solution is integrated with all the components to 1 HARNESS for each group member

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