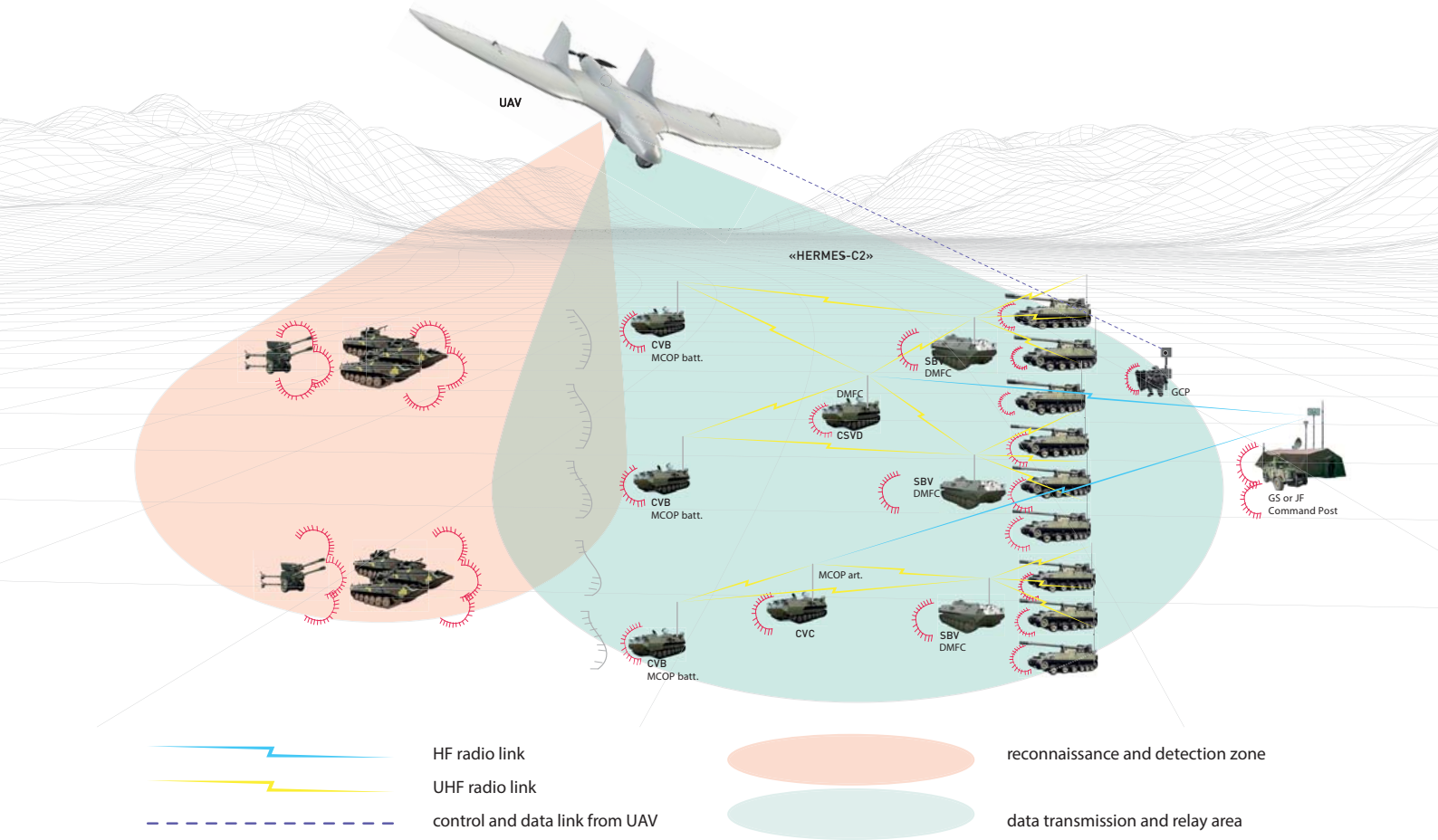




NAUDI

National Association of
Ukrainian Defense Industries

UADEFENSE



HERMES-C2

TACTICAL INFORMATION SYSTEM

PURPOSE

"HERMES-C2" is a unified, easy-to-use vehicular tactical information system designed to enable seamless information support for decision-making by tactical-level commanders, ensure situational awareness, and significantly increase the effectiveness of unit interaction in combat situations through the formation of a unified information space based on networkcentric approaches.

USAGE

Armored vehicles (combat vehicles such as APC, tanks, SPG, etc.) and command posts.

CONTROL LEVEL

Tactical

MAIN CAPABILITIES

MISSION COMPUTER Specialized multipurpose computer

Use of information from external sensors and devices
Management of weapons' elements and military equipment
Tasks solution via artificial intelligence
Emergency destruction of information
Built-in tests

BATTLE MANAGEMENT SYSTEM

Situational awareness of commanders (crews of combat vehicles) on the battlefield and the organization of interaction between units of the tactical unit
Work with different types of cartographic information
Support and automatic re-count of various geographical coordinate systems (WGS84, USC 2000, UTM, MGRS)
Determination of the own position of the combat vehicle, displaying it on the background of a digital map with information about the condition of the machine and the areas of impact by authorized armament
Displaying the position of combat vehicles of own unit, its condition, information status and zones of injury by authorized armament
Displaying information about the combat capability of the unit as a whole at the request of the senior commander
Calculation and routing in automatic or manual mode
Tactical signs according to APP-6D
Mapping random graphical marks (to simplify task visualization)
Delivering commands to departments, receiving confirmations and logging actions
Circular or selective exchange of information
Tactical chat

COMMUNICATION SYSTEM Communication management system

Automatic communication settings
Monitoring of the channel status
Automatic configuration of a data transmission network
Exchange and synchronization of the unit tactical information
Compatibility with various means of radios
Information compatibility on data exchange with various automated systems

MAIN BENEFITS

- tactical management system base element
- user identification and authorization within the battle group
- possibility to choose different configurations of "HERMES-C2" depending on the requirements of the Customer (type of combat vehicle)
- own development specialized software
- "HERMES-C2" tactical wireless router provides:
 - increasing the stability of information exchange
 - organization of a broadband tactical channel for the transmission of IP data for the integration of combat objects (IFV, APC, SPG, CSV, tanks, UAVs, etc.) into
- mobile combat platforms providing of AD-HOC information exchange
 - network (with or without encryption) in complicated radio conditions and conditions of the constant influence of the enemy's EW and ECM
- increasing/changing the functionality of the "HERMES-C2" only by improving the software platform
- prompt exchange of formalized commands and graphic documents following the requirements of military standards
- ease of installation



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