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# Versatile Network Centric Data Communication Platform JASMINE



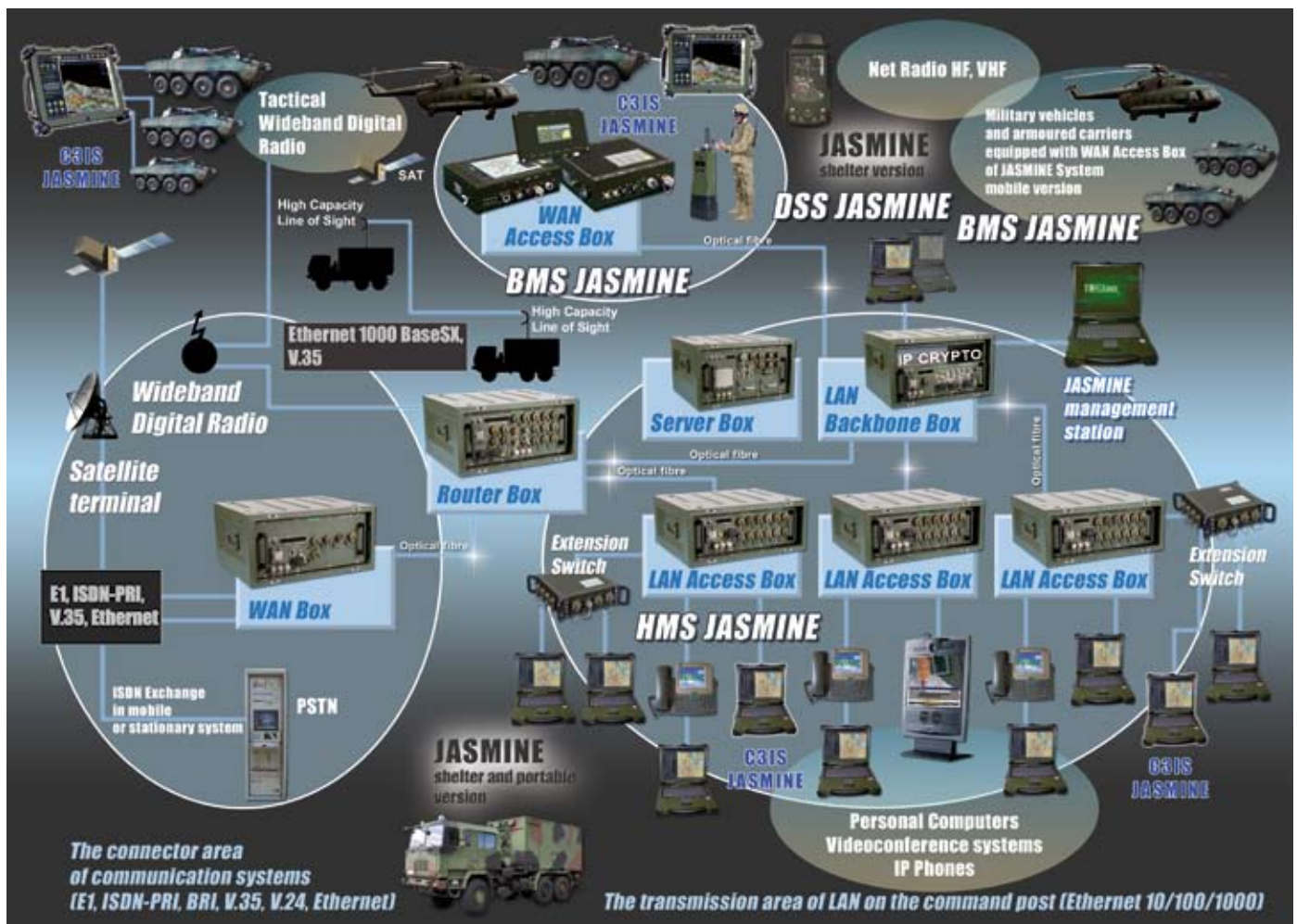
Polish TELDAT Registered Partnership has successfully operated on the arms market since several years. It is known and renowned designer and producer the most modern in the world teleinformatics solutions, supporting management and command processes of the troops. Our products are successfully used in the Polish Armed Forces and used and tested by the NATO states. They also won numerous awards and honors.

The **JASMINE System** is designed to: support command process and military operations and to deploy mobile IP networks (Internet Protocol). It is a complex, unique and valued solution (also in the worldwide), comprehensively reviewed (so far it has been positively tested in an enormous number of tests like no any other C4ISR system). The system is dedicated to all command levels and is successfully used in Polish Armed Forces and NATO as well as USEUCOM exercises including overseas military missions. It provides all necessary functionalities for command support, military operations and information technology which are required for mobile and fixed command posts. The system is applied in command vehicles, battle vehicles and also (what is very important) down to dismounted soldier. This solution is a pioneering product, not having a precedent in the field of command and communication systems, which is entirely

a product of Polish engineers. The technology used in it, provided mechanisms and services make a breakthrough in military telecommunications systems both in Poland and abroad. Together with its hardware and software it forms a coherent set which is very flexible, scalable and can be easily adapted to the needs and requirements of the Organizer and User of military communication systems.

## The JASMINE System is produced in the following versions:

- **Shelter** – consisting of hardware and software placed in the electromagnetically sealed container (what is always certified by Military Counterintelligence Service) mounted on a track. This solution is known as the **HMS (Headquarters Management System) JASMINE in shelter version**. In most cases this version contains the following software: JASMINE Modules Management System, **C3IS JASMINE – HMS C3IS JASMINE Software Module**, JASMINE Data Communications Resources Management System (including Integrated Data Telecommunication Node JASMINE).
- **Portable** – consisting of hardware and software and designed to be used mainly in fixed headquarter. This solu-





tion is called **HMS** (Headquarters Management System) **JASMIN** in portable version and in the most cases there is the following software embedded: JASMIN Modules Management System, **C3IS JASMIN – HMS C3IS JASMIN** Software Module, JASMIN Data Communications Resources Management System (including Integrated Data Telecommunication Node JASMIN).

- **On-board** – a variant of the portable version dedicated to be implemented in the command vehicles, battle vehicles (including armored personnel carriers, wheeled and tracked vehicles) and others. This solution at the present stage meets also the teleinformatic needs and requirements of the dismounted soldiers and is called **BMS** (Battlefield Management System) **JASMIN**. In most cases the following software is used: JASMIN Modules Management System, **C3IS JASMIN – BMS C3IS JASMIN** Software Module.

The above mentioned software and hardware cover also equipment and teleinformatic support for a dismounted soldier and is known as a **DSS** (Dismounted Soldier System) **JASMIN** (with **DSS C3IS JASMIN** Software Module).

In the specialized design TELDAT laboratories have been made valued and unique hardware and software solutions (also in worldwide scale) applied in **JASMIN** including:

- **Battlefield Replication Mechanism (BRM)**, which enables efficient data transmission also through narrow-band HF and VHF radio;
- **Gateway MIP B2/B3**, enables data transmission between two different standards of theatre operations making this function of **JASMIN System** desirable trait by all organizers of international exercises;
- **Multiprotocol NATO Friendly Force Information Proven HUB (Multiprotocol NFFI Proven HUB)**, which the only one in the world was certified proven and possible to use instead of operating NFFI HUB (developed by NC3A) and is capable of simultaneously handling many varieties NFFI protocol, which is also for this reason making it a unique product;

- **JASMIN Modules Management (JMM)**, enables simple and transparent way to configure the whole **JASMIN System** beginning from the network layer and ending on services related to command support and military operations;
- **Information Exchange Gateway JASMIN (IEG)**, which provides secure transfer of information between domains of different data classifications and is the TELDAT company's answer to the concept of NATO called IEG;
- **Telecommunication Resources Management System KTSA (SZZT KTSA)**, enabling real-time monitoring of large networks of different data classification, which provides the tools for an expert analysis of the occurrences in networks constructed based on IP;
- **C3IS JASMIN**, which is a complex product that can operate from a single soldier to the operational level and is able to take manage groups dismounted soldiers, troops and combat vehicles and staffs located in command posts;
- **Safe Exchange Information System (SEIS)**, which is the most extensive telecommunication system of Polish Armed Forces, operating in continuous operation without failure.

Since 2005 the **JASMIN** has been successfully exploited in many Polish Armed Forces garrisons and units as well as in all most significant national and overseas exercises including Peace Keeping Missions in: Afghanistan, Congo, Chad and Lithuania (where has been used twice). In the overseas military missions the **JASMIN** has provided a key role with its modern infrastructure, ensuring support for command processes and military operations. ■

#### You can contact us:

TELDAT Sp.J., ul. Cicha 19-27, 85-650 Bydgoszcz, Poland  
 phone +48 52 341 97 00, fax +48 52 341 97 40  
 e-mail: [teldat@teldat.com.pl](mailto:teldat@teldat.com.pl) ● [www.teldat.com.pl](http://www.teldat.com.pl)