

Polish Defence Yearbook 2010

Industry, Armed Forces and Security Services



Versatile Networkcentric Data Communication Platform JASMINE

TELDAT company has successfully operated on the arms market since dozen 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 used successfully in the Polish Armed Forces and used and tested by the NATO country members states. They also won numerous awards and honors.

Our products and services have been successfully used in several hundreds garrisons, complexes, units and military institutions including contingents in Congo, Afghanistan, Chad and Lithuania. For a few years our equipment have taken part in the exercises and trainings carried out by Polish Army, NATO, EU and Partnership for Peace, e.g. International Interoperability Workshops, „Combined Endeavor” and NATO CWID. The products have been positively estimated by Buyers and Users and have been honored at international fairs. This is confirmed by congratulation letters received from users and Agency NC3A. TELDAT company products have been awarded at international fairs.

The JASMINE System consists of devices and software that is designed to build deployable IP technology networks at all operational levels. It enables to realize all teleinformatics communications at command posts and command points and in command vehicles, combat vehicles (including armoured carriers, wheeled, tracked) and other vehicles as well as a dismounted soldier can be equipped with the elements of the JASMINE system in mobile version.

The JASMINE system is a versatile networkcentric data communication platform based on a component structure, in accordance with NATO Network Enabled Capability, which recommends data sharing between distributed decision nodes. This is why the system's elements were designed to be operated and used on all military levels, from the highest to a dismounted soldier.

The architecture of the JASMINE system is oriented on services according to the concept of SOA (Services Oriented Architecture) included in NNEC assumptions. It recommends the performing of data systems using service-oriented functions from the user point of view and at his level. It assumed also a creation closed interfaces components that meet business requirements. The components can be repeatedly used at higher functional level. The services recommended by the conception with the assumption to provide constant access points while hiding the internal ways of implementation. Fur-

thermore these components communicate with each other through the common communication medium and they have independent access to it.

JASMINE system is produced in three versions:

- shelter – build over in an electromagnetic proof shelter mounted on a vehicle;
- portable – equipped additionally with special transporting containers dedicated for all devices of JASMINE system;
- mobile – variant of the portable version, dedicated for implementation in combat vehicles (every kind of command vehicles) and also for single soldiers.

C3IS JASMINE is a system which enables battlefield management and effective conducting combat operations at the operational and tactical levels. This is realized mostly through: visualization of the position of friend forces and enemy forces, increase of situational awareness (including dismounted soldier), flexibility in the use of weapons, improving team effectiveness, collection and fast transfer of information to other elements of the battle group.

C3IS JASMINE has been designed to be implemented at command posts and points, command vehicles, combat vehicles (including armoured carriers, wheeled, tracked and tanks) and other vehicles as well as by a single soldier.

Its creates a common awareness of information for all system components. It has specialized mechanisms for data replication using the small-and medium transmission systems (e.g. battlefield radio).

TELDAT

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