

# Polish Defence Yearbook 2009

Industry, Armed Forces and Security Services



# Digital Jasmine

The core business of TELDAT consist of carrying out designing, producing, installation and services of electronic, data communications, computer, telecommunication and alarm systems (devices). In this field we cooperate with many institutions including budget ones.

In general our employees are well skilled in informatics, electronics and telecommunication. Despite the fact they are well educated, part of them goes on with mind development at doctoral or postgraduated studies. They are the authors at a variety of informatics and telecommunication solutions which were successfully put into practice in Polish Armed Forces. Everyone of our staff has a personal confidentiality certificate.

Since 1997 TELDAT has reached among others:

- Certificate ISO 9001:2000 on designing, producing, installation and services of electronic, data communication, computer, telecommunication and alarm systems /devices/;
- Certificate of quality system NATO - AQAP 2110:2003 on current range of activity;
- Code NCAGE in NATO Codification System and registration of company in Master Catalog of References for Logistics 43 H4;
- Preparation for the realization of classified contracts and orders, what testifies the below certificates of industrial safety: SECRET & NATO SECRET levels;
- Licenses of MSWiA (Minister of the Interior and Administration) on:
  - fabricating and trading of products, military and police technologies with protection of classified information;
  - technical protection of person and property.

est levels, in order to secure international, combined and common operations as well as to develop computer technology in NATO international plane.

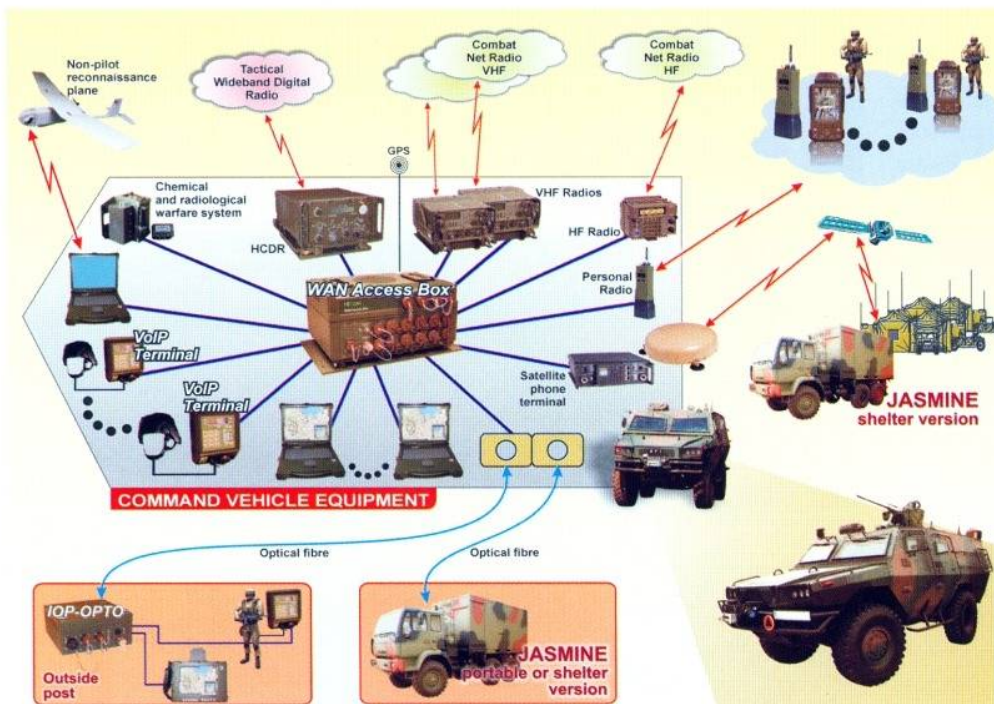
For international cooperation of the armies operating on peace keeping or stabilization missions, which many countries usually take part in, it is essential that the allies have information systems allowing to track allied forces location. Such system is called BFT (Blue Force Tracking). They are meant, among others, to increase security of home army and to avoid being shelled by coalition forces.

C3IS JASMINE system was designed to be implemented at any level of command. Thanks to the mechanisms of automatic aggregation of information (generalization) it can be successfully introduced at operational and tactical level including even a single soldier. Its modular structure allows, depending on the needs, to use at a given command point either all or selected communication functions and to process operational data. In this solution, C2IEDM (Command and Control Information Exchange Data Model) data base model, drawn on MIP Baseline 2 programme, is a common interface between national implementations of C2 systems.

C3IS JASMINE has the following modules of automatic data replication: MIP DEM Baseline 2 (Data Exchange Mechanism), BRM (Battlefield Replication Mechanism), automatic exchange of information about allied armies location NFFI IP1 and IP2 (Interface Protocol), full handling, editing and validating of all ADatP-3 reports in 11C/F, 12 and 12.2 (ADatP-3 Manager) versions, automatic data transformation and aggregation ADTA, automatic generating and converting between C2IEDM and ADatP-3 (ADatP-3 Gateway) and handling MIP MEM Baseline 2 (Message Exchange Mechanism). It also has a user application C3IS WAB (Command and Control Information System WAN Access Box) for presentation and manipulation of operational data.

C3IS JASMINE system is characterized with high scaling and interoperability regardless of the location it is used in. Due to its structure it is possible to expand it with another software modules as well as upgrade the existing ones in process of introducing new standards: MIP Baseline

3, NFFI SIP3 (Service Interoperability Profile 3) and ADatP-3 v.13.



The Integrated Data Transmission Node - JASMINE System is in its battlefield version a modular system supplying network data transmission services. It is dedicated to all command and control posts developed in the critical situations and in various leading sectors.

Devices and software of JASMINE system was tested during Combined Endeavor 2005, 2006, 2007 & 2008 and NATO Coalition Warrior Interoperability Demonstration 2008.

C3IS JASMINE software is compliant with Multilateral Interoperability Programme.

The purpose of MIP is achieving an international cooperation of C2IS systems (Command and Control Information System) on all the levels from corps to the low-



## You can contact us:

TELDAT – H. Kruszyński, M. Cichoński Sp.J.  
ul. Kijowska 44, 85-703 Bydgoszcz  
phone +48 52 341 97 00; fax +48 52 341 97 40  
sekretariat@teldat.com.pl  
www.teldat.com.pl