IT
COMMUNICATIONS
MODERN SOLUTIONS

MHS Pigeon

MHS PIGEON is a Naval Integrated Message Edititing and Transmission System compliant with ACP 127 and STANAG 5066, designed to meet the needs of Polish Navy ships. MHS PIGEON is the basic element of naval data transmission through radio communication channels. The system ensures adequate on-board circulation of messages and provides an interface to external systems enabling the transmission and reception of messages compliant with ACP 127. The system provides multi-access to transmission devices for users with different levels of permissions.

The MHS PIGEON system is implemented in the client-server architecture. The function of server is performed by the MHS Interface with internal SQL database, which has serial asynchronous and synchronous data transmission interfaces. It allows to connect modems, cryptographic devices, or different radios.

The role of the server's clients is performed through the applications installed on the users' PC terminals. The MHS interface provides full archiving of messages and supports easy search for messages by assigned criteria. It also supports creating backup copies of the entire system.

FEATURES
Editing and transmission of information within the framework of NATO interoperable cooperation – in accordance with the requirements of ACP 127 and STANAG 5066
Multi-access of users with different permission levels
Interface to external systems for transmission and reception of ACP127 messages
Automatic parsing of incoming ACP-127 messages
Automatic generation of ACP-127 message headers
Transmission statuses on server ports, monitoring of data stream
Chat and e-mail in accordance with STANAG 5066
TEMPEST made

Company website

KenBIT Sp. z o. o.
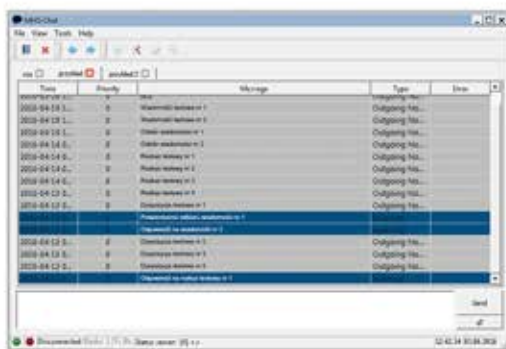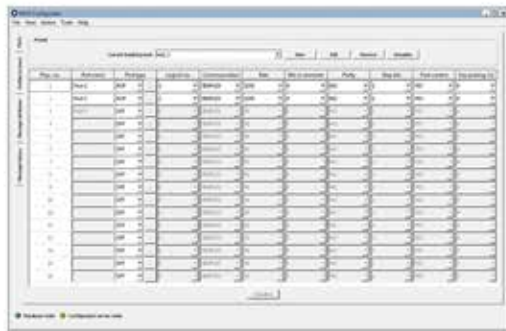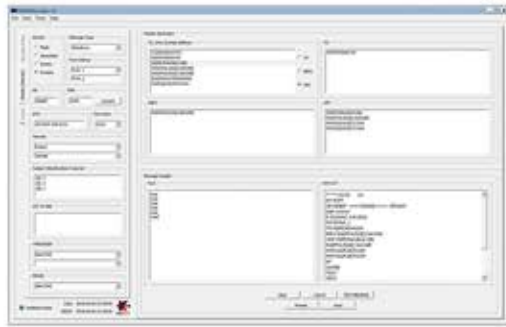
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MHS PIGEON COMPONENTS

MHS Interface

This device is the central element of the MHS PIGEON system and was made according to TEMPEST requirements. It has synchronous and asynchronous ports (software configurable) for data transmission with the possibility to connect modems, cryptographic devices or radios. LEDs on the front panel show the transmission statuses on the server ports. The equipment is adapted for installation in standard RACK cabinets.

MHS Messenger

Software for editing and transmitting messages compliant with ACP 127 operates as part of a multi-user messaging system. Automatic parsing of incoming messages, automated generation of message headers and searching by assigned criteria are available. Messages and history of changes are stored in the MHS Interface database.

MHS Configurator

Software for MHS Interface configuration. It allows the port configuration of the device to operate in asynchronous or synchronous mode, selection of asynchronous transmission parameters and configuration of all available STANAG 5066 settings. Also available is the ACP-127 back-up for selected timeframe and account definition for system users.

MHS Chat

Communicator compliant with STANAG 5066. It is an MHS Interface client that allows editing and transmission of short text messages. An editable address book and the ability to search conversation history are available. Messages are stored in the MHS Interface database.

E-mail

Availability to install any e-mail client and any server, which meets the STANAG 5066 requirements, and connect it to MHS Interface using SMTP protocol. It allows the support of long messages using CFTP protocol.