

The control system for patrol KOSguard

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1. Home

We are honored that you have chosen Control KOSguard patrol system to check records and patrol activities.

Our goal through this guide will acquaint you with all the options and features hardware and software system components. We will advise you how the simplest way to handle the installation, implement the most common tasks and provide hints and tips all for easy and effective application of the control system.

This chapter is intended to acquaint you with more detailed information about the system, describing the activities and inform you about news in the hardware and software.

1.1. Must-haves

Make sure you have all the elements necessary for the functionality of the system:

- Portable electronic sensor KOS
- At least one identification chip DS1990A (eventually completed with bracket for mounting)
- At least one personal chip for guard DS1990A (eventually including black key ring for attaching to keys)
- At least one data chip DS1996 (eventually including red key ring for attaching to keys)
- Adapter for PC connection (for connecting via USB or COM port of PC)
- The installation CD-ROM program WSOK (Standard / Professional)
- The personal computer PC with installed Windows 95 and higher (up to Windows 7 64bit) + 1 free serial (COM) port RS-232C or USB port (depending on the selected adapter). PC performance is directly dependent on the speed of the program

1.2. Principle of operation

Accurate uncompromising documentation of collected patrol data through the intelligent electronic system KOSguard.

The functioning of the system is built to work with contact iButton identification technology - companies MAXIM. Through an electronic chip with the size of button batteries is possible to identify the device, the object or person by using handheld electronic sensor.

Electronic sensor KOS with practical dimensions, high resistance and high-capacity memory is powered from internal battery with high durability. The

compact housing with no moving controls, with high-quality optical and acoustic alarm adapts it to use in difficult conditions.

KOS guard system is compensation for book of patrols and hours of attendance in one. Thus the system can be easily characterized. During the patrol guard gradually gathers data about visited control points to the electronic sensor. It is done simply by attaching the sensor to the ID chip. During the identification sensor is automatically adding the exact date and time of loading.

For the subsequent transport of patrol data to PC is used a data chip with memory and connected adapter to the PC. After downloading software is processing attendance data. According the user current needs program can generate complete printout about their patrol routes from different perspectives. For exact patrol schedules, the program will automatically evaluate the correctness of execution of individual patrol routes.

1.3. Scheme of work with KOSguard

1.3.1. Identification of a guardian

For the possibility of resolution, who has done the rounds, it is recommended to assign a personal identification chip to the guard. Before the beat start the guards touch the sensor with their personal chip to logs on patrol routes. When viewing the patrol route it is transparent that guard did a particular route. Personal identification chips can be assigned to each guard with the plastic stick or concentrated at the service panel with their names in a single room, eliminating the possibility of loss of the chip. If not used personal identification chips in the system, it would be impossible to ensure fair evaluation of route, graphically displaying the beginnings and ends of patrols.

1.3.2. Patrol Round

Patrol round with deploying handheld electronic sensor looks basically identical to the ideal course patrol without its use. The security guard must achieve specific control points within a particular route and record their presence by briefly attaching the sensor to the checkpoints - identification chips. Successful load of each control points sensor signals with a distinct short acoustic signal and LED flash.

1.3.3. Downloading data to a data collection chip

Downloading transmission via data chip should be executed before the fulfillment of the KOS sensor memory capacity with data. Successful transfer of patrol data is emptying the sensor memory capacity space for new records. Through the use of the transmission chip, which is similar to any transmission medium, the sensor is still available to the guard. It is not necessary to move it near to the evaluating PC.

1.3.4. Transfer the loaded event

Transfer takes place after attaching the memory chip to the adapter read probe connected to the serial port of a computer.

1.3.5. Evaluation of patrols

Evaluation program in the PC is capable in addition to regular information about the list of points from made patrols mediate the automatic evaluation method of passing patrol routes in terms of the order of control points and time limits.

1.4. Sensor KOS

1.4.1. Sensor Function

The electronic sensor is designed to safely collect all relevant information about the patrols in its memory. When you read a checkpoint the chip identification code is stored together with assigned date and time of identification.

The sensor provides the following functions:

- Ability to read identification chips (control points) iButton with records of time reading
- transmission of data through data chips
- update the time in sensor using the data chip
- maintain accurate time
- supply of special built-in lithium battery for long life

The sensor is designed with a focus on ease of use, no external controls, and to read the identification chip with just a fleeting touch.

By using the latest technologies in the construction of the KOS sensor ensures high reliability, climate resistance and long service life.

1.4.2. Types of sensors

KOS sensors are manufactured in four versions, varying by memory capacity. Each sensor design can accommodate range of records according to the capacity. It is true that one record equals one attaching the sensor to the ID chip.

		Designation	Memory Capacity
Electronic sensor KOS		KOS-0500	500 events
		KOS-1000	1,000 events
		KOS-4000	4000 events
		KOS-8000	8000 events

TIP

The most suitable capacity should be considered before purchasing the device and the assessment of the number of control points and the frequency of patrols depending on the reading interval data.

1.4.3. Sensor design

KOS sensors are enclosed in compact duralumin housing with cylindrical shape. Label or laser printed serial number is located on KOS sensor same as an optical indicator LED and a strap for hanging or grip. Sensors, whose one end is adapted to communicate with the chips, are resistant to water, climate change and mechanical damage.

1.4.4. Sensor Operation

It is very simple: the only possible action is a touch reader field contact with a chip. After successfully reading the control chip sensor KOS issues an audible and visual signal.

The same signal is also used when communicating with a data transmitter chip. When trying to transfer data from sensor to a data chip and the memory capacity of data chip is full error occurs. Error will occur also if the KOS sensor memory is full and you will try to load other control points in the sensor. Such a case is indicated, it is necessary to empty the device memory or a data chip.

Note: The sensor KOS indicates memory capacity filling for 90% and more by double signalization of each identification chip load. This should prevent unexpected maximum capacity filling. Normal operation of sensors with a capacity of more than 1000 events is entirely consistent with the operation of other types. The difference in operation occurs only when transferring data to PC. The data chip used for data transmission, between the sensor and adaptor is 1000 events only. For sensor full capacity readout when higher capacity than 1,001 record data chip should be attached to the sensor several times and this action repeat until all data are read out from the memory.

TIP

Between transmissions of the data content from each individual memory banks it is possible to read any further identification chips by sensor KOS with higher capacity than 1000 events. Last entered events are always automatically chronologically sorted in the device's memory after reading the first memory bank. This sorting indicates sensor visually by LEDs indication for about 5 seconds.

1.4.5. Signalling of sensor

Each activity is accompanied by acoustic sensor signal and the current flash LED, which is also suitable for operation in noisy environments.

1.4.6. Maintenance

Sensor does not need to be maintained. Only we must keep in mind the temperature range, in which the sensor can be used or stored. We also recommend to stay away with sensor from sources of electrostatic discharge, which may corrupt the data.

To ensure a smooth reading and frequent use, we recommend occasional cleaning of the sensor surface with alcohol.

To protect the sensor is recommended to use a practical protective case from special fabric with a clip for attaching to belt. Protective case is supplied as standard part of the KOS sensor system.

1.4.7. Replacing the battery

The sensors are powered by lithium battery with high capacity. Standard battery life is approximately 5 years (life expectancy depends on the frequency of use). The average battery life during normal operation is 2-3 years. If the KOS sensor stops to read data chips, or fails to read the ID chip, the battery needs replacing. Battery replacement must be made only by authorised service.

CAUTION:

Not qualified battery replacement is blocking the sensor. In addition, such actions are contrary to the manufacturer's warranty conditions.

1.5. Identification chips

1.5.1. Description and function of the chip

Control chips (also called ID chips) are designed for marking and identifying patrol routes of guards. This is an identification medium, which consists of a silicon chip hermetically sealed in a casing of stainless steel in the shape of the knob with a diameter of 17.35 mm and a height of 3.10 mm (for type DS1990A-F3), or 5 mm (for type DS1990A-F5). Each chip carries an individual 64-bit code, the uniqueness of each code is guaranteed by the manufacturer.

Miniature contact identification chips, resistant to mechanical damage and weather conditions are used to indicate the control points on the patrol route. They are unobtrusive and easy to install. On smooth surfaces it is recommended sticking with acrylic or epoxy glue. Special plastic holder with central screw can be used for uneven surfaces to facilitate placing.

CAUTION:

The chips can exhibit electrostatic discharges. During normal use are virtually indestructible.

Note Identification chips are not necessary to maintain. In winter may occur on the surface frost or moist coating, which prevents successful loading identification chips to the sensor. For this reason is necessary lightly wipe the contact by finger or cloth, before attaching the sensor.

1.6. Data chips

1.6.1. Description and function of the data chip

Data chips do not differ from the normal identification chips at first glance. Unlike identification chips (type DS1990A), which contain only tightly written identification code (ROM) data chips contain NV RAM memory and internal backup lithium battery that provides reliable data storage for up to ten years. The data chip is supplied attached to the red plastic stick for better recognition of conventional chip guards.

1.6.2. Basic functions

The main function of the data chip is transmitting data records (control points) between the KOS sensor and the PC. The control system KOSguard use data chip type DS1996 with memory for 1000 events (1 event = 1 loaded chip identification).

1.6.3. Working with Chip

Transferring data into the chip will take place simply by placing the chip to the probe of the sensor. Transfer takes depending on the amount of data a few tenths to a few seconds. It is necessary to hold the data chip on the KOS sensor probe longer time than chip in the control site. End of transmission is acoustically and visually indicated.

After transferring data to a data chip KOS device memory is empty and audible signal notifies the successful completion of transmission. Error beep (falling melodies) means that the data chip memory is not big enough capacity to store all the data (or a depleted battery chip). In this case, the transfer not taken place and all the data remains in the sensor and it is necessary to use different data chip or chip emptied by transferring data to the computer.

One chip can store **data** blocks from different sensors to the exhaustion of its capacity. This is useful if you transfer data from more KOS sensors in the same time.

NOTE Working with data chips is simple, but care must be taken to avoid confusion and time of transmission chips. It is therefore appropriate to program all of the chips supplied data transfer mode. Timing chips must always immediately after use to reprogram back to not cause data loss (see below).

1.6.4. Setup

Using WSOK can set various functions of a data chip. Setup is choosing the type of data chip in the window that appears in the program by selecting items *chip / chip set*.

Transfer chip - if the data programmed into the chip mode allows you to transfer data between the computer normally and sensor KOS.

NOTE If the sensor does not contain any data transmission record in the chip is not created. This measure saves space in the data chip.

Time chip - Portable sensor chip CFE is equipped with a precise crystal oscillator, which ensures accuracy of the clock better than ± 30 sec / month. In long-term operation it is necessary to correct the time stamp (at least 2x a year at time change). For this purpose, the program creates WSOK chip with a time stamp. After application of this chip programmed data to the sensor in the sensor KOS time information updates. Both acts should elapse of time as short as possible to ensure maximum accuracy. After adjustment time is necessary to reprogram the chip data back into the transmission mode. The new sensor runs the exact time set by the manufacturer.

CAUTION:

Correction time also deletes the data in the sensor. This security measure prevents the chip to enter the time using the wrong times. Before setting each time the sensor should be read first to avoid loss of data read.

Copying chip - This mode is similar to the transmission chip, but transferred data is not deleted from the sensor. Thus it is possible to carry out random checks of route, without affecting the control of regular inspections.

CAUTION:

Data chip set to "Copy chip" is recommended as soon as possible to reprogram back to the "Transmit chip."

1.6.5. Reading the chip

After selecting this item from main menu WSOK and after applying the data chip (the program itself will issue an order to attach the chip) to probe the adapter will begin transmission of data to a computer chip (the program).The course load is displayed on a monitor in the information window that appears after applying the data chip to the adapter.

After retrieving the data (100%) the data are stored in PC memory and ready for further processing.

1.7. Adapter to PC

1.7.1. Adapter functions

The adapter is used to read control chips when entering data about checkpoints and guards in the program WSOK, and for communication with data chips. When data transmission is running there is no need to worry about bad contact between the chip and probe: design of the transmission protocol and data structure ensure a perfect immune system against loss of contact (in dusty environments such as construction sites, should be around after 1000 attaching the probe easily cleaned). Successful reading / writing in the PC will display a notification on the screen. Until this announcement does not appear it is guaranteed that the content of a data chip does not change.

1.7.2. Location

The plastic part of the probe for sensing chips can be placed next the keyboard or other suitable surface. For a permanent fix can be used Velcro tape or glue, which does not damage plastic. The other end of the adapter is connected to the serial port RS-232C computer, or USB port (either direct connection or via reduction).

Canon 9F terminal adapter that connects to the serial port of a PC, usually COM 1. Alternatively, if the adapter is equipped with an adapter to a USB port or directly to a USB type, connects to PC via USB port.

CAUTION:

The adapter serves as a dongle for software licensing. Without the adapter can be connected so the program WSOK operate only in DEMO mode.

1.8. WSOK – evaluation program

1.8.1. Description

The WSOK program is designed for evaluation of executed patrols, which are in the form of simple information about the date, time and code of identification chip (checkpoint, chip of guardian) data transmitted from the chip.If the user during installation precisely set all the inserted data into databases, then the program shows clear information about the names of the various control points, including the name or guardian, who did his rounds.

When you enter a patrol routes, the software is able to automatically evaluate the correctness of conducted patrol. All output data in addition to the program is ready to provide outputs to the screen and printed version of the required reports.

Program WSOK can use automatic data evaluation of executed patrols in time and sequence. Pre-setting of the patrol passing method by supervisor in the WSOK program can be easily detected errors in the work carried out by guards within a few seconds without lengthy detailed viewing.

1.8.2. Required computer hardware and operating system

WSOK program is designed for Windows 95 and higher (up to Windows 7 64bit). In principle, the program (particularly in the chip load) is faster, the higher is the configuration of your PC. For smooth running of the program is recommended to install the program on the PC.

1.8.3. Licence No.

The copyright owner to the program WSOK is Dr.Peter Láf - author of the program.License to using the program is tied to the serial number of the adapter.Running multiple copies on one computer is seen as a serious breach of copyright.

For advertising or demonstration purposes is permitted to copy the program WSOK provided that the program will be copied whole and unaltered. It is recommended to contact in these cases the equipment KOS manufacturer. Provide a program WSOK for a fee is permitted under the applicable license agreement only to equipment manufacturers and authorized distributors. In other cases is the action taken as a serious breach of copyright.

CAUTION:

The Standard version WSOK can keep data up to 2 sensors, 10 guards and 50 control points. Unlimited capacity database contains WSOK Professional version.

1.9. What's new in the hardware?

All sensors are equipped with new KOS control electronics with increased resistance to mechanical damage, and interference from surrounding influences. Sensors are compatible in their structure with some older types of patrol systems.

Sensors KOS 4000 and higher are designed for downloading data by one data chip. From the sensor are during data downloading transmitted oldest events till free space of data chip is filled. The empty data chip is for 1000 events. Not downloaded events remain in the sensor until the next download. The sensor is after partial download of information, able to load new events to fill the memory capacity. The newly loaded events sensor ranks gradually. Filling above 90% of KOSguard sensor memory capacity sensor indicate by change the beep tone.

The adapter of KOSguard system includes electronics buffer memory to ensure faster data chip download. If the period of interruption in the data download from data chip does not exceed 3 seconds, the adapter is in its concept able to establish a reading.

1.10. What's new in software?

The WSOK evaluation program is designed as very user friendly and easy to operate.

Installing WSOK program does not require other additional components. The program is designed for Windows 95 and higher and can be used even on slower PCs, without significant performance loss.

Control system for patrol KOSguard



The program WSOK can also evaluate the data from some older types of patrol systems.(Must consult with the distributor.)

To support the product you can use the hotline to info@dobraagentura.cz.

2. Installing the software

If you are a new user to KOSguard – Security guard patrol control system this chapter becomes a guide to you on how to correctly perform a complete installation WSOK on your computer.

The current user of the program, which is going to upgrade the program will find in this chapter guide to the simplest version of the current update of the program.

To facilitate your work, see the text with number of comments, advices and tips designed to help you to work and prevent unnecessary errors when handling the program.

2.1. Recommendations before installation

Before installation of WSOK we recommend to close all running applications. The installation may ask to reboot the computer, and therefore we recommend that you save all work in progress.

The required computer hardware and operating system

WSOK program is designed for Windows 95 and higher (up to Windows 7, 64bit). In principle, the program (particularly in the chip load) is faster, the higher is the configuration of your PC. For smooth running of the program is recommended to install the program on a PC with a processor 486 and higher, we recommend 16 MB of RAM and at least 10 MB of free space on your HDD.

2.2. Installing WSOK program

The installer is distributed on the installation CD

Starting the installation

- Before installing plug the cable to the selected COM port or USB adapter that you have received along with other system components, in the event that the adapter is not connected, WSOK program can be run solely as a DEMO-version.
- Turn on your computer and run it under the Windows.

Running from CD

Installation can be independently run directly from CD by double click on the file name **"disk1/Setup.exe"**.

Installation:

- After starting the installation program opens a window containing information about the rights and general recommendations.
- If you want to quit, select the **"CANCEL"**
- A window "Readme Information" occur with a description of the installation proces, use mouse and click on **"NEXT"**
- In the next window, you can confirm or change the default directory path for WSOK. If you want to change the default directory, click the **"BROWSE"**. Here you can select the directory or write it name if there is not available. The directory is created. Use the mouse to click **"OK"** or **"CANCEL"**. Then go back and again use the mouse and click **"NEXT"**.
- A window "Start Copying Files" will occur. This window shows everything you have entered or confirmed. Again, click on **"NEXT"**.
- Now installs the program WSOK.
- End of installation indicates window "Setup Complete", here you can immediately get more information about the first start of the program, click "YES, I want to view the Readme File"
- Use the mouse and click **"FINISH"** to finish installation.

2.3. First start of the program

When you first start the program it is possible to enter a password.

- The program WSOK start clicking the program icon WSOK.
- The program reports a connection to the component with data and create indexes.
- The following window **"Insert contact the distributor."**In window is normally contact the company Avaris, s.r.o.. If an installer distributor, your distributor or contract distribution company, it is recommended to enter specific data. To confirm press **"OK."**
- Input window appears **"Login to WSOK"**.
- When you first enter the program use the login name "SYS" and password "SOK".
- Tender cursor moves to the window **"Enter password"**.
- You write: SOK and press [Enter].
- Now, the program enters its main menu.

The program after first run is completed is opened in Demo version. For full functionality of the program is needed to enter the license number of the adapter. See the following chapters.

CAUTION!!

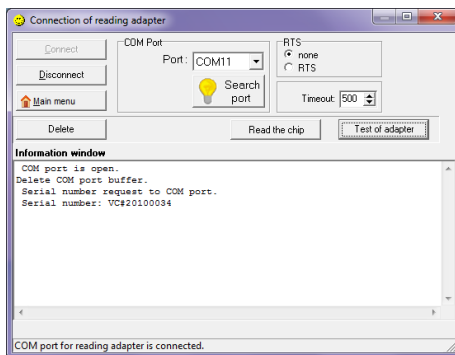
PROGRAM IS AFTER COMPLETING INSTALLATION IN THE DEMO-VERSION, ie. SOME FEATURES FOR READING The CHIP NOT ACTIVE.

2.4. Convert demo to full version - activation

Note The license password for all standard or professional version can be purchased at WSOK system vendor or directly from the manufacturer.

Setting the adapter:

- In the main menu of WSOK running program select option **"Settings"**.
- You have to select option **"Set reader adapter."**
- Occur a window **"Connecting reader adapter."**
- Select the port where the adapter is connected.
- To check the connection of an adapter, click "Test Adapter". If the adapter is properly connected, the button in the window below will appear in the character set of a few lines. The last line should be in the shape of *Opening of VC: VC #******, where instead of stars will be eight digit code, which must be the same with the initial eight digits of an adapter shown on your license card and packaging of the adapter.
- If this information is not displayed, select another port and repeat the test adapter



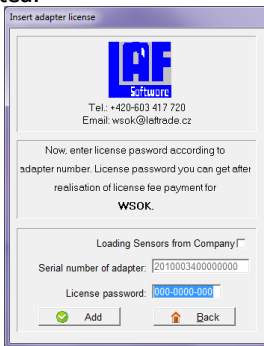
CAUTION:

ITEM "RTS" Check ONLY IF THAT IS adapter is set to the correct port. Conversely hang the app. If this happens, contact your local distributor.

Enter the license password:

- In the main menu of running program WSOK select **"Settings"**.
- You have to select **"Install license adapter."**

- In the top box you will see the adapter number.
- License number in the box type in **"License Password"** and click on **"Add"** to confirm the password. Insert **only numbers without no dashes**.
- If you receive the message "Incorrect license password" doublecheck the correctness of entries and try again.
- After the message "License adapter password has been successfully added," is now fully functional program WSOK and enter a license number is terminated.



TIP

To use the program together with the entire system, you must check the current time and date in your PC. Deviation of time should not exceed ± 10 seconds.

2.5. Uninstalling of WSOK

- Switch on your computer and run it under Windows.
- In the Start menu, select Settings / Control Panel / Add or Remove Programs. In **"Add or Remove Programs - features a"** mouse click on the line **"WSOK 4"**.
- Click on the highlighted button **"Add or Remove."**
- Upon confirmation of control query will start the uninstall process WSOK.
- Finally, you must delete the entire folder, where WSOK was installed. The default directory is located at C: \ \ Avaris \
- Uninstall is complete.

2.6. Upgrade Program

If you are user of some of the older WSOK version, the upgrade of the program is equal as the installation itself.

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New versions of software WSOK can always be found on our website www.dobraagentura.cz in the "**download**" section or you can ask for last version via the e-mail on our address info@dobraagentura.cz.

3. Hardware Installation

To ensure full use of the control identification system is necessary in addition to the software properly install and use the hardware components of the system.

Although the hardware installation is not complicated act, this chapter will give you instructions on how to best handle the entire installation process. Here you will find a few more hints and tips on how to avoid unnecessary mistakes.

3.1. Hardware Installation

After WSOK installation you must enter individual hardware components of the system into the program database. After this they should be grouped according their functions in practice. The whole procedure can be summarized as follows:

- Entering KOS sensors into the database
- Entering a personal identification chips in the database of guards
- Entering identification chips into a database of control points
- Transmission of KOS sensors to security guards at individual workplaces
- Distribution, allocation or fixation of each personal identification chip to security guard or dedicated place in the service room
- Positioning and fixation of identification chips to various places as the control points

CAUTION:

To mark patrol routes as well as to identify the guards' identification chips use the same type, ie, label DS1990A.

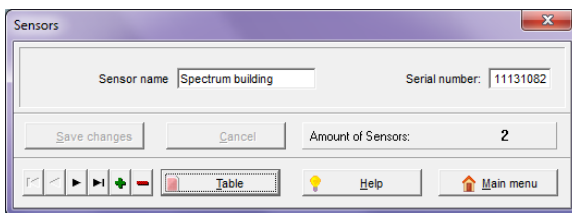
4. Database

4.1. Database in general

The program WSOK uses seven separated databases. The use and operation is similar for all. Access to all databases can be found in the main menu bar. Basic databases of (sensors, guards and points) is possible to access via speed dial icons in the main page.

4.2. Entering sensors

The window to enter the sensor will appear after selecting the **"Database of sensors"**. When you enter the first sensor is already cursor in the **"Sensor Name"**.



To enter additional KOSguard sensor you must click on the **"+"**.The **"-"** is intended to remove KOSguard sensor from the database.

Clear alignment of sensors can be obtained by tapping on the **"Table"**.This display offers you the possibility to print a list of sensors. Back to return with **"card"**.

For proper operation of application is necessary before beginning of patrols enter the sensors to the database.

4.3. Entering Guards

Entering the guards to the database is in many points identical to the entering of sensors. Each guard for better resolution can be assigned to a group of guards.

The window for entering can be found in the **"Database of Guard"**. After opening the window database of guards several filled windows are shown. It is up to you whether you are comfortable with it, or you will deploy own marking.

To assign an identification chip to the guard:

- manually insert in to the window **"number of the new chip,"** must enter the last 6 characters of the code laser printed on-chip

- placing the cursor to the window **"number of new chip"** and then attaching identification chip to an adapter probe, chip code is automatically inserted

To use the distinction of guards into groups in the moment when you have not created groups yet, it is possible to create them directly (see *"Entering groups"*).

If you only need to change the chip for a particular guardian (in case of loss), it is not necessary to cancel the chip, but just to add a new one. If there is a situation that the current guard does not need the

chip, the chip must be cancelled / unassigned to the guard in the existing database and then the chip can be assigned to another guard.

Save the value entered by clicking the **"Save Changes"**. The **"+"** allow you to add another record. The **"-"** removes a particular record.

Other buttons are used to move the database.

Select **"Table"** will take you to display data entered in table form, which gives you the ability to print the entire list of data. Function Go back by tapping on the **"card"**.

CAUTION:

When entering data into the database, it is necessary to keep track of guards assigned to a particular chip.

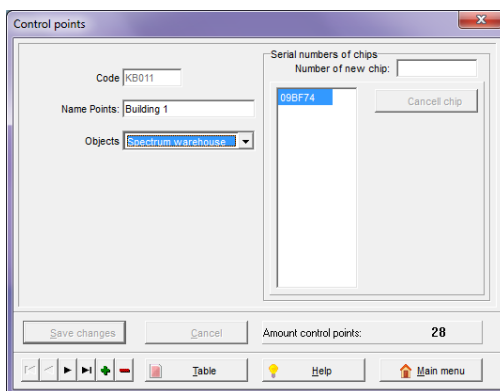
4.4. Entry of control points

Entry of control points are in many points identical to the entry of guards. Each control point can be assigned to a particular object. If you have not divided objects in to the groups, this can be made directly, when entering objects in the database.

The window for entering can be found in the **"Database of control points."** After opening the window called Database of control points several filled windows are shown. It is up to you whether you are comfortable with them, or you will deploy own marking.

To assign a control point may be:

- manually to the **"number of the new chip,"** the last 6 characters of the code laser printed on-chip
- placing the cursor to the **"number of new chip"** and then attaching identification chip to probe adapter code automatically prints
- If you only need to change the chip for a particular control point (in case of loss), it is not necessary to cancel the chip, but just to add a new one. If the chip location is change to another location, you must delete an existing checkpoint in the database and then the chip is possible to be assigned to a new control point.
- Save the value entered by clicking the **"Save Changes"**.The **"+"** allow you to add another record.The **"-"** remove a particular record.
- Other buttons are used to move the database.
- Select **"Table"** will take you to display data entered in table form, which gives you the ability to print the entire list of data. Option Go back by tapping on the **"card"**.



To use the distinction of control points to objects and objects have not yet developed, it is possible to make the distribution directly to create objects (see *"Entering Objects"*).

CAUTION:

When entering data into the database it is necessary to keep track that id. chip was assigned a specific checkpoint. To change the checkpoint is necessary to adjust the route.

4.5. Entering patrol routes

Entry of Patrolling routes is possible only after all checkpoints, which will be used to create the route are entered.

After opening the window called use of control points several filled windows are shown

The window for entering is shown after selecting option **"Routes"**. After opening the window called Patrolling routes few filled windows are shown. It is up to you whether you are comfortable with it, or you deploy own markings.

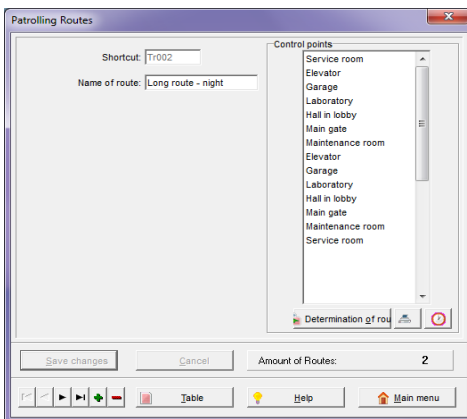
To create a route, use the **"Determination of routes"**, which offers a window divided into two parts.

On the left side are offered a free control points and on the right side is a list of gradually ranked according your choice. To build the route to be a point in left of the cursor and select ">" to move it into the left window with a list of selected points. The route will be evaluated based on order points are below each other in list. The upper point is evaluated first. Some points may be several times repeated in the route.

Set the route the way that guards might capture all the potential site breaches to the object. Routes should be combined with each other irregularly, so that the system could not be traced.

Save the value entered by clicking the **"Save Changes"**. The **"+"** allows you to add another record. The **"-"** removes a particular record.

Other buttons are used to move the database.



In the event that you need to check the route in relation to the time interval, click on the icon of hours in a specific line card and set the desired parameters.

Save the value entered by clicking the **"Save Changes"**. Other buttons are used to set intervals.

Select "**Print route**", the entire route can be printed and passed to guard.

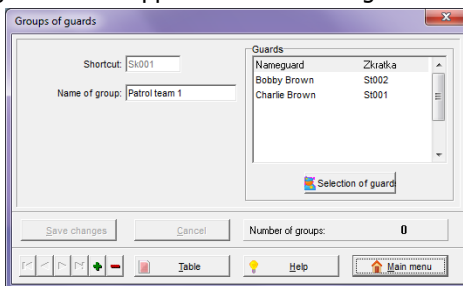
CAUTION:

When entering data into the database it is necessary to keep track that id. chip was assigned to a particular object to be feasible route. To change the checkpoint is necessary to adjust the route.

4.6. Entering group of guards

The window to enter the group of guards will appear after selecting the "**Groups...**" After opening the window you can see available options. It is up to you whether you prefer, or you deploy own markings.

Use option "**Selection of Guard**". The window is divided into two parts. On the left side is possible to select unassigned guard and in right side will appear guards selected into the group.



Selection into the group of guards you will make by their progressive marking on the left side and moving it by clicking on the ">". Clear alignment of sensors can be obtained by tapping on the "**Table**". This display offers you the possibility to print a list of sensors. Back you can return with option "**card**".

For proper operation of application it is necessary to enter the sensor to the database before patrol routes begin.

4.7. The distribution and allocation of hardware components

4.7.1. Sensors

Portable electronic sensors KOSguards must be submitted to their workplaces. Especially in the cases where more guards are using one sensor KOSguard, we recommend to place the book of transmission record of the sensor between the guards.

4.7.2. Guard

Identification chips, which were assigned to each guard in the WSOK evaluation software can be attached to regular keys using a special plastic stick. The second option is to attach them (preferably glued)

directly in the guard service room from which the patrols are initiated. In these cases, the best proven practice is table with the names of individual employees, which are stuck next to the personal identification chips.

4.7.3. Checkpoints

Identification chips designed to indicate the control points - checkpoints can be mounted in several ways. The first possible way is glued with epoxy glue on a smooth surface (metal, plastic, glass, etc.). In the case of non-smooth surfaces are supplied plastic brackets with hole for screwing the screw and into which than is fixed the chip.

TIP

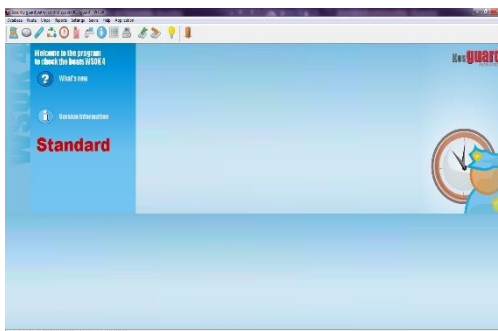
Before the fixation on object identification chips is recommended to register the chip in the database of software. Contrary, when the fixed number of chips necessary to manually copy and manually entered into the database, it is very lengthy.

4.7.4. Adapter to PC

The plastic part with reading probe for entering chips can be placed on the keyboard or other suitable surface. For a permanent placing can be used Velcro tape or glue, which does not damage plastic surfaces. The other end of the adapter must be connected to the serial port RS-232C for PC or the USB version for PC's USB port.

5. Working with WSOK program

In the next chapter we will guide you thru the instruction manual of WSOK programu. Our aim will be to show the best use and most effective orientation in the program.



5.1. Running

WSOK program runs only from the directory where it was installed. Although there is more possibilities of starting the program (see chap. *"Installing Software"*), as the most comfortable we recommend that you start using a shortcut placed in the **"Start"** menu, or from the Windows desktop.

According to the previously given method of protection (see *Table users*) should be completed either a name or just the password or identification number of the chip alone or their combination.

As a replacement for the name, you can specify chip identification number. Number of the chip can be also inserted by placing an identification chip to the adapter (see *License Adapter*)

To exit just click the mouse on the button **"Exit"**. In the next window we must confirm our choice.

TIP

After installing the program are the default preset password:

Name: SYS

Password: SOK

5.2. Control – Program operations

To control the program is very simple and clear, using the keyboard or mouse. Mouse means that you set the cursor (by moving the mouse) to a specific item or button and clicking the left mouse button. If you want to use keyboard control of the program are available following keyboard shortcuts:

Key Features

[Tab]	to move the next item
[Shift] + [Tab]	to move the previous item
[F1]	Help
[Delete]	delete items
[Enter]	to select items, confirm actions
[Esc]	step back
[↑]	move menu up
[↓]	move the menu down

5.3. Help

Inside the program is loaded system of extensive help that can be run by setting the cursor on the line (password) and press [F1] or by selecting the **"Help"** in the menu.

Navigating inside the Help window is the same as it is in the program itself using the mouse or arrow keys on your keyboard. To extend the help is possible to open a new follow-up dialog window. Also by using the highlighted words in text or using the Help menu in dialog windows in the header of any help. If you mark the highlighted word and press [Enter] or click the left press button on the mouse, you can start another Help dialog window, which contain all the items, lists, buttons, etc. in the program WSOK. For ending the help, press [Esc].

5.4. Main menu - a brief description

For easier orientation in the program and a better understanding of all its functions, the main menu is divided into thematic units. For frequently used functions are also available icons displayed just below the menu bar of the main menu.

Log into the program

Entry of the WSOK program. Without entering the correct username and password, the program runs only in the demo.

Program

Here you will learn about your WSOK program version and some information about manufacturer, distributors and creator of the program. Leaving this is possible by selecting **"Exit"**.

Database

It is used to collect information about system KOS components. They allow to insert, correct and delete entries, view and print their lists.

Patrols

This section summarizes all activities related to patrol data. Their can be set in different versions to view or print them.

Chips

Individual items in this section co-work together with the adapter. Ensure the cooperation with data chips, ie the transfer of patrol data from the chip, setting the chip functions and providing data information about the chip. In the demo version of the program these functions can not run.

Setup

In this section you will find functions to set parameters on the printer, archive, restore, and delete data files and used for inserting the adapter and user licenses.

Help

This item will allow entry into the program window help.

5.5. Program:

Exit - exit the program

WSOK program can be terminated in three ways:

1. In the top menu, you should select **"Program / End"**
2. Key combination [Alt] + [F4]
3. Mouse, clicking on the X in the upper right corner of the screen

5.6. Database

Used for keeping records about individual guarded objects (Guard, Control Points, Sensors, Routes, Groups, Objects, Customers)

Each database can be back up or restore back (see *"Backup and Recovery"*).

The database consists of the following forms:

Guard	information on Guardian
Sensors	information sensors
Checkpoints	information about checkpoints
Patrol routes	list of patrol routes
Groups	information about groups of guards
Objects	information about objects
Customers	customer information

5.6.1. **Guard**

This form captures information about the guard (**personal code, name, group, number of chips**).

In this section you can:

- view and print your lists of guards
- insert and delete guards
- correct entered guards data including adding and deleting personal allocated chips

CAUTION:

Personal guard code can be entered only when entering a new guardian.

TIP

For a clear display of information about Guards you can switch into the table, where the data about guards are placed.

5.6.2. **Sensors**

Item captures information about the sensors (**sensor name, serial number**).

In the list of KOSguard sensors can perform the following operations:

- view and print lists of sensors
- insert and delete KOSguards sensors
- correct information entered, incl. the sensor name change or sensor serial number

TIP

To view the information is arranged table of sensors.

5.6.3. Checkpoints

This form captures information about the control points **(the code, name of the checkpoint, object, number of chip)**.

With the list of control points can be made following:

- view and print lists of control points
- insert and delete control points
- correct information about already inserted control points
 - change the name of the checkpoint and the object under which belongs
 - add and delete chips belonging to the checkpoint

TIP

Checkpoint code can be entered only when entering a new checkpoint.

For a clear display of information about the control points program can be switched to a table, where the lists of checkpoints are placed.

5.6.4. Groups Guardian

The item provides information about groups of guards **(short name, group name, chosen guards)**

With the list of guard groups can do the following:

- view and print lists of groups of guards
- insert and delete new guards group and assign to them guards
- correct information given about guard group
- change the group name
- add and delete guards belonging to the group

TIP

Abbreviated name of a group of guards can only be set when entering a new group.

For a clear display of information about groups can switch to a table, where the lists are placed groups of guards.

5.6.5. Selection of Guardian

This form is used to move unassigned guard to the current group of guards and vice versa.

The transfer is done using the arrow keys (in their direction). The double arrows indicate the movement of all items in the list. That means that cursor is set in the right window for a guard, press "<" moves the guard to the current group. Use the "<<" move all free guards to the group. By pressing the ">", ">>" you will exclude guards from a group.

TIP

This form is accessible only from the form "Groups of guards."

5.6.6. Objects

This form captures information about the monitored objects (**object code, object name, the customer and the selected control points**).

With the list of objects is possible to perform following tasks:

- view and print lists of objects
- insert and delete objects and their selected control points
- correct entered data about objects
 - change the name of the object
 - change the customer to whom the object belongs
 - add and delete control points belonging to the object

TIP

Object code can only be set when entering a new object

For a clear display of information about objects you can switch to the table.

5.6.7. Selection of control point

This form is used for the inclusion or exclusion of control points belonging to the current object.

The transfer is done using the arrow keys (in their direction). The double arrows indicate the movement of all items in the list. That means that cursor is set in the right window at a checkpoint, press "<" moves point to the current group. Use the "<<" to move all of the free control points to the current object. By pressing ">", ">>" control points are discarded from the object.

TIP

You can access this form only from the option "Objects".

5.6.8. Customers

This form captures customer information (**customer code, customer name and selected objects**)

The list of customers can perform the following tasks:

- view and print lists of customers
- insert and delete customers and their selected objects
- correct entered customer data
 - change the customer name
 - add and delete objects belonging to the customer

TIP

Customer code can be entered only when entering a new customer.

For a clear view of customer information is possible to switch to the table.

5.6.9. Object selection

This form is for the inclusion or exclusion of objects to or from the current customer.

The transfer is done using the arrow keys (in their direction). The double arrows indicate the movement of all items in the list. That means that the cursor is set in the right window at object by pressing "<" moves the current object. Using the "<<" moves all customer objects. By pressing ">", ">>" customers objects are discarded from the list.

5.6.10. Selection of control points for the route

This form is for inclusion and exclusion checkpoints belonging to the current patrol route. For each control point can be set interval.

The transfer is done using the arrow keys (in their direction). The double arrows indicate the movement of all items in the list. That means that the cursor is set in the right window at a checkpoint by pressing "<" moves point to the current route. Using the "<<" moves all of the free control points to a specific route. By pressing ">", ">>" control points are discarded from the route.

TIP

In this form can be accessed only from the form "Patrol route".

5.6.11. Patrol routes

This form captures information on the patrol routes (abbreviated name, the route selected Control Points)

The list of patrol routes can perform the following tasks:

- View and print lists of patrol routes
- Insert and delete patrol routes and their assigned checkpoints
- Correct the data entered patrol routes
- Change the name of the patrol routes
- Add, or delete. reorder route patrol checkpoints
- Print the route patrol checkpoints
- Specify the time interval for individual checkpoints

5.6.12. The time interval of control points for the patrol route

This form is used to assign a time interval to the selected route checkpoints. This interval is used to check whether the guard contacted the chip (control point) within a specified timeframe.

The lines **"The time interval from / to"** entering the start / stop timestamp (time range of tolerance for load control point). He writes to the current checkpoint.

If you need to write the current time information to other control points, just click with your mouse on the button next to the yellow arrow. The value is copied into all the control points.

TIP

This form can be accessed only from the form "Patrol route".

5.6.13. TABLE - a general description

Allows viewing of the content of databases (guards, checkpoints, ...). The displayed table can be **printed**. After **pressing** some of the column to **sort** the table according selected column. Sorting and position in the table will stay unchanged during the transition to the card.

From the table it is possible to return to the database, from where they entered into the table or directly to the main menu.

5.6.14. Backing up and restoring databases

It is used to store the entire database to archive media (hard disk) and restore the database from the archive. In the form you must specify the **name and file path** where (from) the database will be backed up (restored). After setting the path and name of the backup operation should be confirmed with **"OK"** in case of cancellation backup (restore) data can confirm the **"Exit"** button.

5.7. Patrol routes

This part of WSOK program is used to work with patrol data and allows the following operations:

Operating button	Function
<i>Extract / Export</i>	definition and statement processing (print / export)
<i>Moving bookmarks</i>	set only one bookmark at the end of the patrol data
<i>Patrols View</i>	easy to set patrol data

5.7.1. Extract / Export

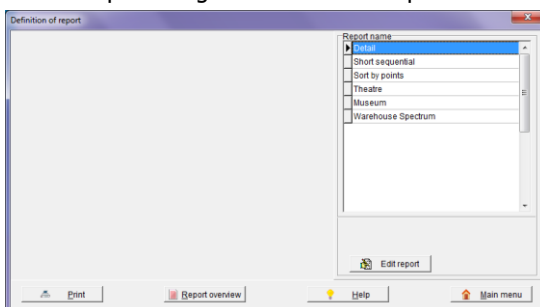
The part of **"List / Export"** used to select-defined print reports for printing or to define them both print and export reports. Export reports can be generated either in text format, or in the DBF format.

To print, or extract patrols just select the report from the list and press (print, display or extract) realize action.

To define the report it is necessary to mouse click on **"Edit report"** and the program goes into the definition of report.

The program WSOK allows multiple configurations and store parameters for later use. Individual reports can be named, edit, delete or further modified.

Defining the parameters of the statement is made on six tabs and the seventh serves as a summary of defined parameters.

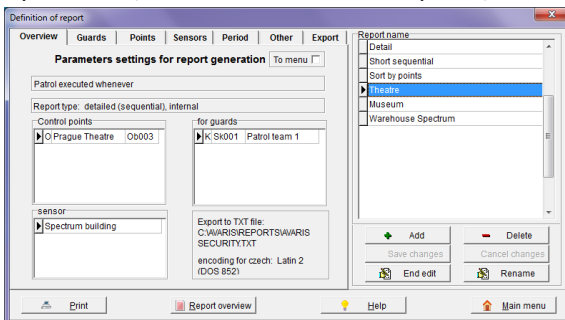


Bookmark statement	Function
<i>Summary</i>	shows a summary of the given parameters
<i>Points</i>	serves to define for which checkpoints will generate statement
<i>Guard</i>	definition of the Guardian, for which the report will generate
<i>Sensors</i>	definition of sensors to generate the statement
<i>Period</i>	time interval for generating the report
<i>Oher</i>	select the type of statement, evaluating routes
<i>Output</i>	choice of output format (print, text) and page setup

5.7.2. STATEMENT - tab "Overview"

Summary view of all defined parameters, the statement - the statement type, time interval, the output format, the list of selected checkpoints, guards and sensors. Simultaneously, there can be set at five selected sensors to display the quick menu option from the main screen.

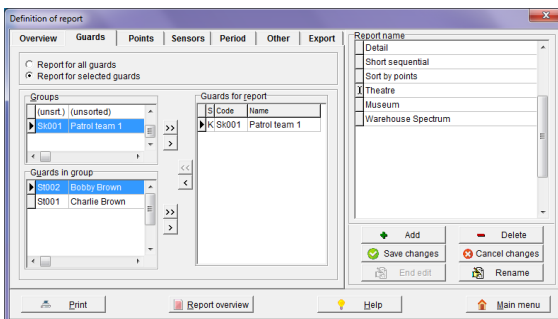
If you want to display your selected listing in the fast menu selection, just check the option "**menu**". Selected listings are displayed in the main menu under "**Listings**"



Bookmark with overview is not possible to use for data entry.

5.7.3. STATEMENT - tab "Guard"

Here is possible to set lists of guards. When creating a report with the selected events belonging to one of the guards on the list **"Guards to the list"** or for all the guards (at the option of the kind of the page).



For simplicity, it is possible to select only specific guards, but also a select group of guards.

Move the selected item in the field **"Checking for listing the"** by using the symbol ">" for each individual item or ">>" for all.

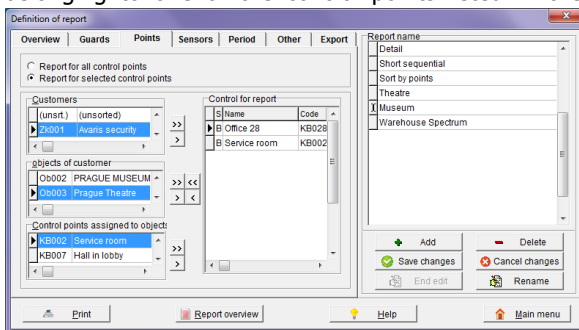
TIP

If you select "Report for all the guards," the report will contain events with unknown personal chips.

5.7.4. REPORT - tab "Points"

It is used to select control points. When creating a report with the selected events belonging to one of the control points listed in the **"Checking for listing"**, or for all control points (the option at the top of the page).

For simplicity, it is possible to choose not only the specific points, but as the entire object, or all points of the customer.



Move the selected item in the "**Control for report**" symbol ">" for each individual item or ">>" for all.

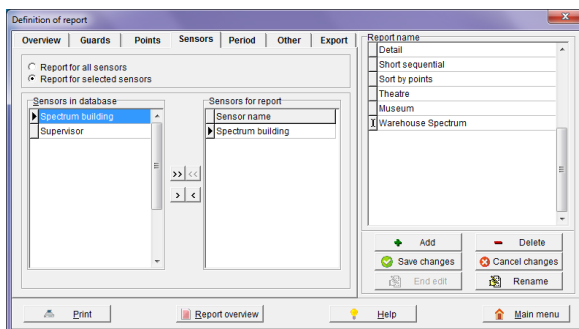
TIP

If you select "List for all control points", the report will contain events with unknown chips.

5.7.5. STATEMENT - tab "Sensors"

Used to set the selection of sensors. When creating a report by selecting events belonging to any of the listed **sensors**, "**Sensors for the statement**", or for all sensors (the option at the top of the page)

Move the selected item in the "**Sensors for listing the**" symbol ">" for each individual item or ">>" for all.

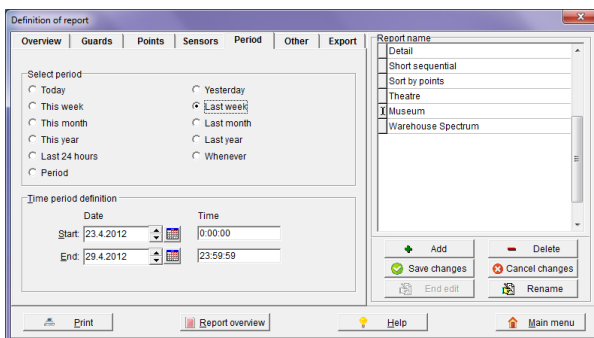


TIP

If you choose "Extract All sizes", the report shall be selected with all events entered in a database sensor sensors

5.7.6. STATEMENT - tab "Period"

Select the Specify which data will be processed covávána. The program performs filtering according to the parameter. If you select **"Interval"** setting will only last interval, unlike the other options that you always refer to a specific real date.



TIP

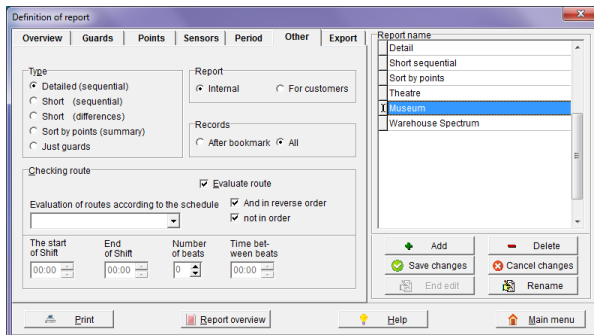
If you select "Anytime", the report selects all events, if you specify otherwise in the "Other" option "records."

5.7.7. STATEMENT - tab "Other"

It offers the possibility to specify the parameters already set. In the options tab, set the evaluation of patrol route, the type of statement, and the distribution of data selection in relation to the bookmark.

- Select **"Type"** set a style statement.
- In **"detailed statement"** shows all information about the patrol - the sensor number and name, identification of the guard and then list all the recorded identification points.
- In **"Quick list"** shows only information on the beat - the sensor number and name and optionally by setting the control data and the accuracy of the route. Short listing is for quick overview of the conducted patrol routes.
- Extract **"The points"** a list of identification at selected points

- The option **"Extract"** button to set whether a list of internal (see the name of a guardian) or customer (shows only the code guardian).
- Selecting **"Records"** parameter sets the printed data. If you checked **"after the"**, print only new information, otherwise the choice of all information. This option is recommended to use in conjunction with parameter choice of the **"Anytime"**.

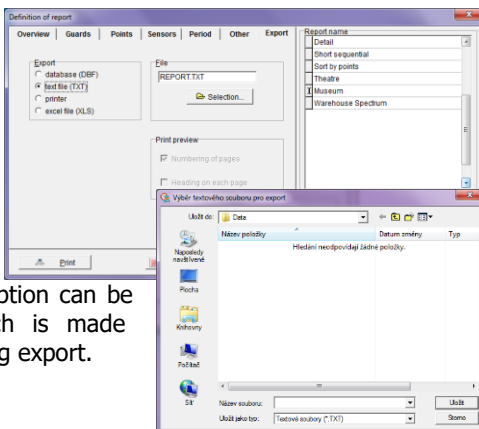


- At the election **"Checks routes"** to set the parameters for evaluation of their accuracy. There are several possibilities, and depending on the specific profile that you choose.
- The selected parameters are then the program can write the individual statements and the correctness or incorrectness of a particular passage route.

5.7.8. STATEMENT - tab "Output"

Sets parameters for prints or exports data.

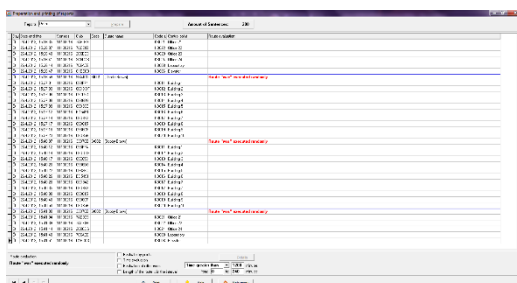
Selecting **"Output"** defines the output data format. There is a choice of several export options, or direct printing. When selecting export, you must set the path where the file should be exported. This option can be found under **"File"**, which is made available only when selecting export.



Page Setup determines whether the printed header on each page, and whether the pages numbered.

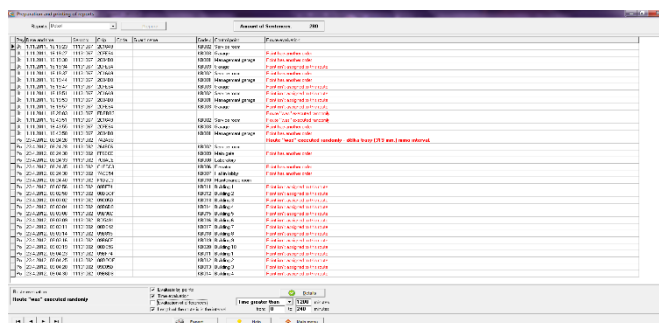
CAUTION:

The only supportable and neupravitelným output is printing. All exports are only complementary outputs for fast communication onickou electric post.



If you have already created a specific statement - its definition and have it saved, just extract described in the "Name the list" on the definition statement and choose from the

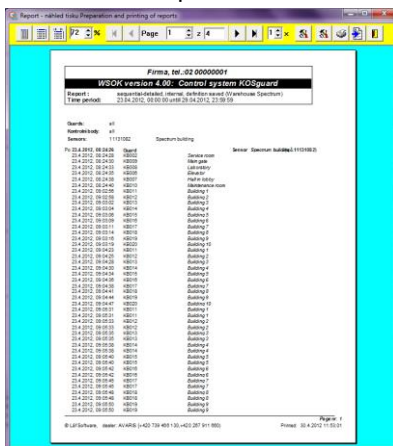
two bottom buttons. After pressing the button "Show listing" button to display listing on screen for further processing.



When viewing a listing data can be printed immediately or further evaluated. The evaluations are intended by fields above the icon "Print". If you use the evaluation of routes and the extract is shown in red line, you can press the icon "Details" and select the option "Evaluation of the points" to find out where incorrect identification was performed on a controlled route.

Selecting **"Print"** displays a print preview first and then you can push a particular icon or by pressing **"t"** print realize.

If the selected output "data export" occurs when you press the icon **"Export"** to create a file in a predefined location.



5.7.9. Moving bookmarks

The program contains a **"tab"**.Bookmark separates the data into data before and after the bookmark tab. Tab always moves only at the end of the loaded data, and this option is not refundable.

5.7.10. Patrols view

After the battery snaps this option will display a list of the retrieved information in the form of unsorted in tabular form.

[illegible]

5.8. Chips

In this menu item is contained all the work with chips.

The option **"Retrieve data from the chip"** offers the possibility to download information from the data - transmission chip.

"Information on a chip" will give a full table with all the information on the attached medium.

The "Creating a chip" allows you to set up a data chip in several ways.

transfer - carries information from the sensor through the adapter to the PC with the fact that the information in the sensor probe is deleted and can continue to use the full capacity. This option is recommended.

copy - just copy information from the sensor through the adapter to the PC with the fact that the information in the sensor and the sensor remain can be further used only in the extent of its availability. This option **is not recommended**.

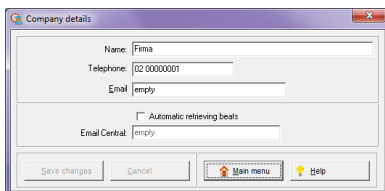
time - after setting the chip contains information about the current time on the PC at the moment of setting. Time in chip but also running and it is therefore necessary as soon as possible attached to the sensor. We recommend a maximum of 1 minute.

5.9. Listings

After opening the option to display a list of 5 statements that you chose in defining Window **"menu."**

5.10. Setup

Here you can set several optional parameters of the program.

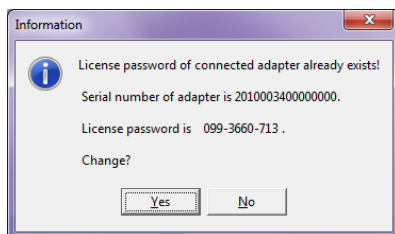


5.10.1. Settings - Printer

Printer selection and print parameters. The program requires for its smooth functioning have installed at least one printer.

5.10.2. Settings - Inserting data about the company

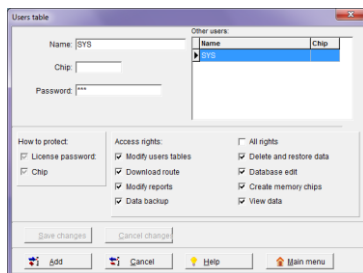
Here you can set user information to be displayed in the header listing.



5.10.3. Settings - Inserting the adapter license

Option uses initially inserting the license activation and consequently the transition from a version of "Standard" version of the "Professional".

When entering the license number you have for the proper activation of the "adapter number" display first osmičísí your adapter.



5.10.4. Settings - User Table

Click to see a table where you can create individual users specific access rights and the ability to opt into the program.

CAUTION:

It is always necessary that at least one user has enabled the option "Modify User table." Otherwise, j Coming table can not be adjusted!

RECOMMENDATIONS!

It is desirable for security applications, a change to the original name and password to enter the program.

5.10.5. Settings - reader adapter

Reading adapter must be set before activating the program. (See *"Convert demo to full version - activation"*)

5.11. Service

The item includes several options that may be required during use of the program.

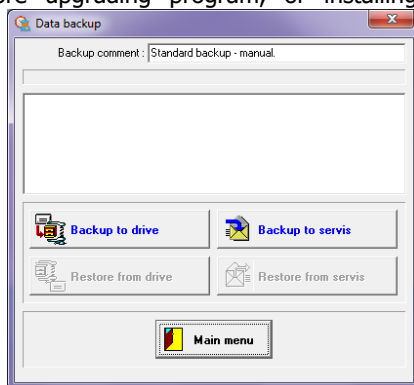
5.11.1. Service - Renewal of the index

Since the program is a program WSOK with the database structure, long-term use can cause damage to the indices. In this case, the program will require this option.

5.11.2. Services - Backup and restore data

Using this function we highly recommend. By creating a backup to prevent data loss in case of computer failure, or reinstallation. Also recommended to backup before upgrading program, or installing another program. The best, however, regularly, at least once a week. Backup files are small capacity and therefore noticeably free space on your PC. It is recommended to regularly back up to removable media and archiving.

For backup you can choose from two variants of the media.

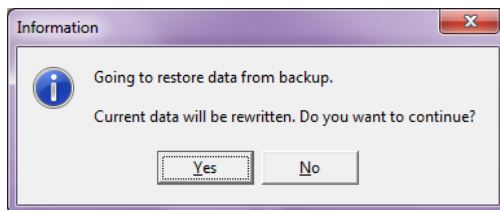


- **Backup to disk** - offers backup file on a PC disk or network drive
- **Backup to disk** - backs up directly to the floppy drive.

Directory for backup to disk is a standard used in the C: / Avaris / WSOK / Backup.

When data recovery is necessary to give attention to several points:

- It is necessary to select the correct file for recovery. Files are marked SOK_ddmm_hhnn, where dd is the day, month, mm, hh nn hour and minute when the backup was created.
- The backup file overwrites the current data with data from the backup and thus lost the original data. The program is against this possibility and treated prior to the restoration of the backup data offers first backup the original data.
- The backup file keeps all information about passwords, access rights and settings at the time of backup. So if there is between the backup and recovery for example, to change the port used to connect the adapter, you may experience problems. **In this case, contact your distributor.**



5.11.3. Service - Deleting Databases

CAUTION:

Before clearing DATABASES Always back up your current data.

Deleting databases should be carried out at least once a year, depending on the amount of loaded data.

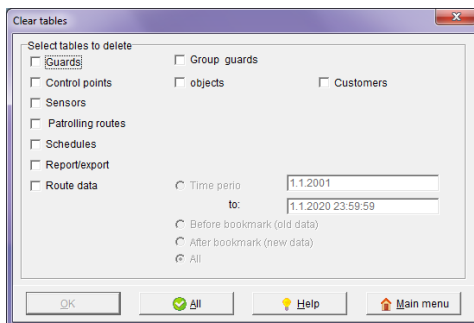
Options to delete a database:

- Guard, a group of guards - will delete the database guard
- Checkpoints, objects, customers - will delete all selected databases

- Sensors - will delete the specified sensor
- Patrol routes - will delete all navolených routes, including their parameters
- Reports / exports - will delete all defined reports.
- Patrol data - the choice is possible to specify what data will be deleting.

If your parameters are set, just click **"OK"**. If you - if the **"All"** will delete **all databases**.

Deleting a database operation is irreversible and we recommend you always check the choices.



5.11.4. Service - Reading data from file

ONLY FOR THE PURPOSES OF SERVICE

5.12. Help

The folder contains the help file, with passwords index search help. In the "About" you will find all necessary contact details of the program producers, hardware manufacturers and KOS your distributor.

5.13. Program

You can stop the program by clicking on the X in the upper right corner, or selecting **"Exit"**

5.14. Icons

When you open the main screen in addition to text and the option via the menu icons that work with the program faster.

Description of icons:

- Guardian Database - provides quick access to the database guard for their input, viewing and editing.
- Database points - provides quick access to the database for points of entry, viewing and editing.
- Database sensors - offers quick access to the database for their input sensors, viewing and editing.

- Patrol routes - provides quick access to routes for their definition and treatment.
- Set your bookmark - bookmark moves to the end of the loaded data.
- Retrieving data from patrol chip - opens a window to retrieve data.
- Information on chip - opens a window showing you the information on the chip attached to the adapter.
- Patrol route view - opens a table loaded with data from the sensors.
- Listing - opens the menu for the definition, selection and printing of the selected statement
- Backup current data - Offers data backup window.
- Restoring backed up data - offering a window for data recovery from backups.
- Help - opens the Help content.
- Exiting the program - the program terminates WSOK

TIP

The use of icons in the main screen you much easier and more pleasant to work with the program.

6. Automated evaluation

6.1. The concept and possibilities of automated evaluation

WSOK program is designed to be very user friendly, easy to use and high reliability. At the same time is designed to offer users as possible made the most comprehensive picture of the patrol route.

Automatic evaluation provides an instant overview of the performance parameters specified, or if, without any further user intervention highlights the deviation from the preset parameters of the planned patrol route.

6.2. Patrols

If the user requires more complete data on conducted patrol route, created following the patrol route, the program to display the listing can immediately note that the parameters are met with patrol route, or something has been neglected.

The display is done with a different color initial line patrol, displayed in the list. If everything is in OK, the line is displayed in red text and completed the correctness of the patrol route. If the perambulation different from the specified parameters line is displayed with red text informing about misstatements made by adding patrol route and the type of irregularity.

TIP

To simplify evaluation is recommended to evaluate in a brief statement, where the view is clearer and only when misstatements patrol route, using a detailed listing.

7. Schedules

7.1. To configure the schedules

The form for entering, editing and deleting the schedule can be found:

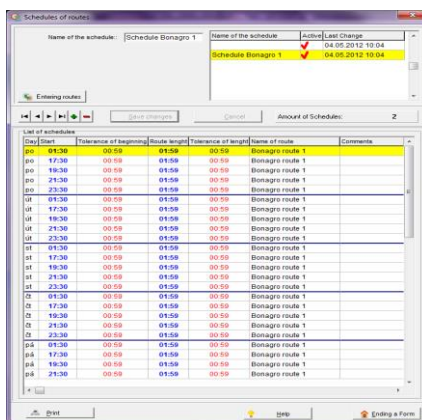
- in the **"Database"** menu item **"Schedules of routes"**
- Panel icons (5-th from left) under the icon **"Schedules of routes."**



7.2. Insert a new schedule

Press + to enter the mode, enter a new schedule. Then enter the name of the schedule and click **"Save Changes"** to save the name of the schedule.

Entering items make the schedule button **"Select route"**, which enter into the form **"Selecting route schedule"**



The screenshot shows the 'Schedules of routes' window. At the top, there are fields for 'Name of the schedule' (Schedule Bonagro 1) and 'Name of the schedule' (Schedule Bonagro 1). Below these is a 'Save Changes' button. The main area contains a table with columns: 'Day', 'Start', 'Tolerance of beginning', 'Route length', 'Tolerance of length', 'Name of route', and 'Comments'. The table lists various routes for different days (PO, DO, UT, SI, Z, P, PA, PB) and times (01:30, 17:30, 19:30, 21:30). The 'Name of route' column shows 'Bonagro route 1' for all entries. At the bottom, there is a 'Select route' button.

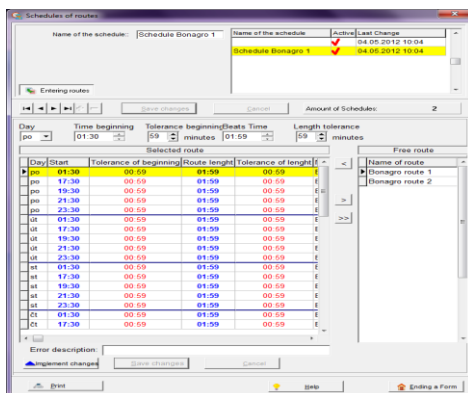
7.3. Inserting routes to schedule

Adding new routes

In the top panel to set the values that have the item schedule: day of the week, beginning beats, tolerance, start, length beats, length tolerance, then you choose the right path of the form and click **<to** convert it to the list of **"Selected paths"**.

Changing routes

- Set the cursor on the yellow route you want to change and press the **"Make Changes"**
- The cursor will turn green and the top panel you can change the parameters of the patrol route
- Use a save button **"Save changes"**.



Cancel route

Cancellation of the route is done by using the ">".

7.3.1. Deleting a Schedule

Is done by using the "-". Items of the schedule are deleted also.

7.3.2. Using the schedule in reports

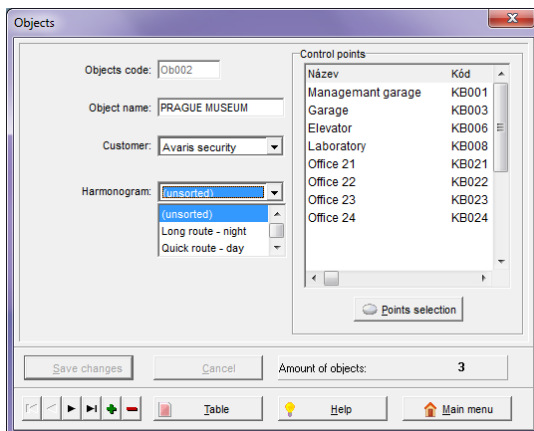
Using the schedule in the reports is possible in two ways:

- Setting a timetable for individual objects
- Set a specific timetable for multiple objects

7.3.3. Configuration of schedule to the individual objects

This method is mostly used for checking the patrol routes according to set schedule. It allows evaluate the patrol routes according to schedules created for each object separately.

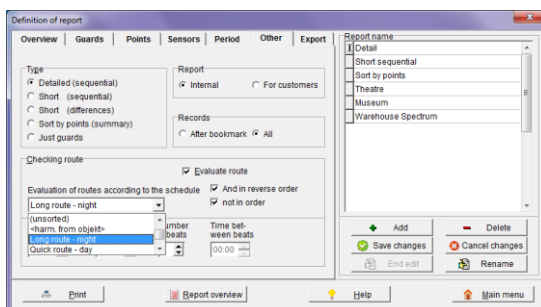
In the database of objects add a specific schedule, according which the patrol routes will be evaluated for a given object.



In the definition of report using option "Other" it is necessary to assign a general schedule to print the report. Then they will check the patrol routes according to the schedule.

7.3.4. Setting of specific schedule for more objects

This method is used where the patrol route is composed from check points of more objects.



In the report definition in the "Other" you can assign a schedule to print the report. Then they will check the patrol routes according to the schedule.

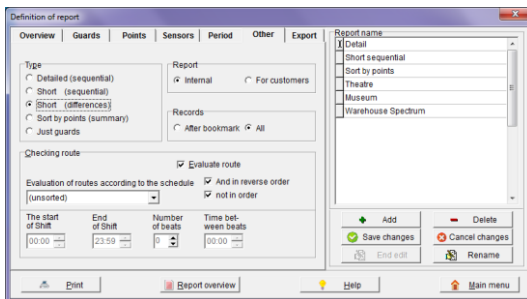
7.3.5. Using function Short (differences)

This function is used to control the patrols according to the following criteria:

At certain time intervals (shifts) to control the number of patrols, so that workers were forced to perform a minimum number of patrol routes.

Another criterion is that the time interval between patrol routes may not exceed a specified value.

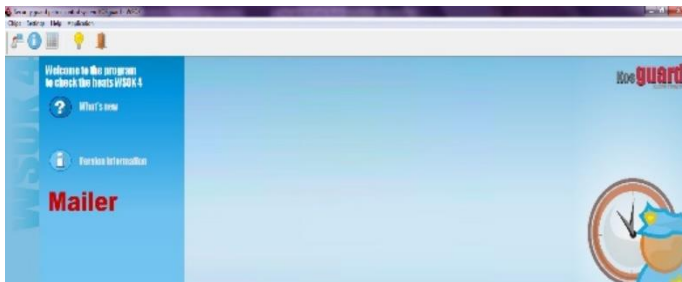
These parameters can be specified in the definition of a report in the "Other" after selecting the type: "Brief" (differences).



If you enter the beginning of shift, end of shift, the number of patrolling routes and the interval between patrolling routes.

8. E-MAIL CLIENT - settings

Module WSOK4 e-mail client is used to send data to the headquarters for processing and evaluation.



8.1. What do you need?

At the branch office:

- PCs with the option to send e-mails (no need full internet access for browsing web pages or e-mail client, just allow them to communicate via SMTP)
- free COM or USB port
- WSOK adapter (for connecting via USB port with adapter RS232/USB / or the USB version)
- Installation CD with software WSOK4 (can be downloaded from the website www.avaris.cz)
- license module WSOK4 E-MAIL CLIENT
- data (transmission) Chip DS 1996 with plastic keychain

At the headquarters:

- PC mail client (eg Outlook Express, MS Outlook, Thunderbird, ...) set the option to receive e-mails (no internet access)
- free COM or USB port
- WSOK adapter (for connecting via USB port with adapter RS232/USB)
- Installation CD with software WSOK4 (can be downloaded from the website www.avaris.cz)
- STANDARD WSOK4 module license or a professional

CAUTION:

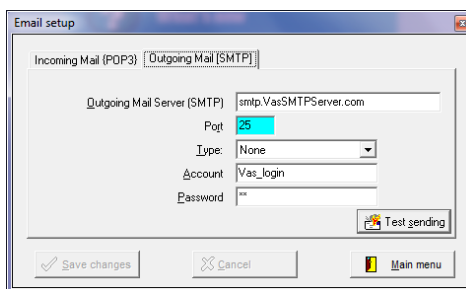
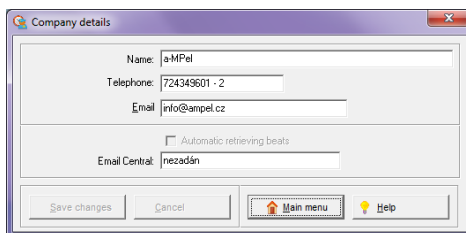
To install you need to use the installation files for the program WSOK4. At the same time is also needed to own a license for version WSOK4. If you already own WSOK3, Apply for a new license from your distributor.

8.2. Program Installation

At the branch office:

- Connect the adapter WSOK (depending on the type of either COM or USB) to the COM, with a reduction RS232/USB the USB port.
- Insert the CD into the drive WSOK4 program and follow the installation wizard instructions.
- After installation, run the program from the Start menu tab WSOK 4/WSOK.
- Enter the name (default "SYS") and password (default "SOK")
- Set in the menu "Settings / Settings reader adapter" port parameters to which the adapter is connected, and test the connection.
- Insert in the menu "Settings / License adapter insert" license for the program WSOK4 E-MAIL CLIENT.
- Enter the menu "Settings / Inserting data on the company" contact information. At the same time enter into the "Email headquarters' e-mail address to which the data will be sent.
- In the menu "Options / Settings of electronic mail" in the "Outgoing mail (SMTP)", enter the parameters for sending files as follows:

- **Outgoing Mail Server (SMTP)** - Enter the parameters of the SMTP server



- connection provider.
- **b.Port** - remain default for outgoing mail 25
- **Type** - select "None"
- **Account** - enter login to your mail account
- **Password** - enter your password to your mail account
- Test the connection by clicking the "Test of departure". The forwarding address can enter the address of any test.
- If you send data and their delivery was carried out correctly, the module WSOK e-mail client is ready for use.

The headquarters:

If it is a new installation:

- Connect the adapter to the COM WSOK, or reduction RS232/USB the USB port.
- Insert the CD into the drive WSOK4 program and follow the installation wizard instructions.
- After installation, run the program from the Start menu tab WSOK 4/Wsok.
- Enter the name (default "SYS") and password (default "SOK")
- Set in the menu "Settings / Settings reader adapter" port parameters to which the adapter is connected, and test the connection.
- Insert in the menu "Settings / License adapter insert" license for the program WSOK4 STANDARD or a professional.
- Enter the menu "Settings / Inserting data on the company" contact information. Do not enter into the "Email headquarters" e-mail address.
- To be able to automatically retrieve data, you have the e-mail stored in the directory "C: / Avaris / Wsok / Auto" when starting the program tick the option "Automatically retrieve the route."

When it is an upgrade of WSOK 3 program:

- Make a backup program WSOK3.
- Uninstall WSOK3.
- Insert the CD into the drive WSOK4 program and follow the installation wizard instructions.
- After installation, run the program from the Start menu tab WSOK 4/WSOK.
- Enter the name (default "SYS") and password (defaults to "shock").
- Test communication with the adapter in the menu "Settings / Settings reader adapter."

- Insert in the menu "Settings / Inserting the adapter license" a new license for the program WSOK4 STANDARD or a professional.
- To be able to automatically retrieve data, you have the e-mail stored in the directory "C: / Avaris / WSOK / Auto" when starting the program tick the option "Automatically retrieve the route."

After finishing this program is ready to use.

8.3. Using the program

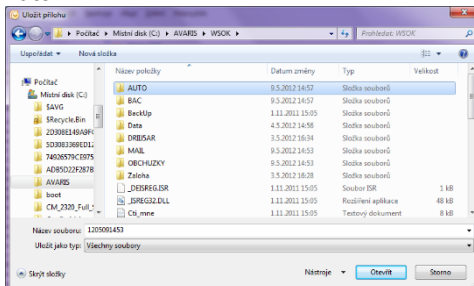
At the branch office

- Reads data using the data (transmission) from the sensor chip.
- Run the program from the Start menu tab WSOK 4/WSok.
- Enter the name (default "SYS") and password (defaults to "shock").
- Click on the icon or run in the "Chips / Retrieve data from the chip."
- Put data (transmission) chip for scanning probe adapter WSOK.
- Wait for reading data and confirmation of their successful dispatch.
- Continue selecting delete data from the chip.

Other functions in the menu WSOK4 E-MAIL CLIENT are equal to that program WSOK4 STANDARD or a professional.

The headquarters

- Save the date that you received from subsidiaries in the directory "C: / Avaris / WSOK / Auto."
- Run the program from the Start menu tab WSOK 4/WSOK.
- Enter the name (default "SYS") and password (defaults to "shock").
- If you have activated the option "Automatically retrieve route" after running the
- Program will automatically retrieve the data successfully loaded and confirm the information window.
- If you have activated the automatic loading, select the menu "Service / Retrieve data from the establishment." Successful reading is confirmed by the Information window.



The other line of action is described in the instruction program WSOK4.

Data from the e-mail to your address book can store continuously even when the program is on WSOK4. Just do not automatically loaded, but it is necessary for the immediate processing of the data loaded manually.

If necessary, contact your distributor. Contact him to see the program WSOK4 in the "Program / About."

9. Annexes

A brief statement - report contains only a brief introductory line of patrol routes

Preparation and printing of reports

Report: [standard] Amount of Sentences: 67

Id	Date and time	Sentence	Chp	Code	Round name	Route evaluation
Pa	16.4.2011 13:19:11	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Se	16.4.2011 13:19:42	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
So	16.4.2011 17:52:40	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Se	16.4.2011 18:32:40	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
So	16.4.2011 22:58:35	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Se	16.4.2011 23:59:51	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ne	17.4.2011 01:31:34	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ne	17.4.2011 12:54:22	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ne	17.4.2011 16:58:30	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ne	17.4.2011 20:48:08	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ne	17.4.2011 23:53:23	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	18.4.2011 02:58:01	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	18.4.2011 18:22:51	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	18.4.2011 18:22:23	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	18.4.2011 20:52:21	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	18.4.2011 22:47:30	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 02:26:40	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 18:03:38	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 21:28:41	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 22:49:52	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 00:21:08	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 02:31:31	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 18:32:31	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 21:20:32	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 22:56:49	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 00:43:38	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 03:53:16	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 21:26:31	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Ua	18.4.2011 22:38:14	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 07:32:30	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 08:29:30	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 13:02:27	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 21:12:16	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 20:13:16	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined
Pa	22.4.2011 07:47:30	111301P5	070AC1	1000	Storage Sequence guard 1	Trans p minus undefined

Route evaluation:
Trans p minus undefined

☐ Evaluate to points
☐ Time evaluation
☐ Evaluation of differences
☐ Length of the route in the interval

Time greater than: 1200 minutes
from: 0 to: 240 minutes

Detailed list - report contains a complete patrol route data with all the information about its loaded control points.

Preparation and printing of reports

Report: [Report re 002] Amount of Sentences: 511

Id	Date and time	Sentence	Chp	Code	Round name	Code	Control point	Route evaluation
Pa	16.4.2011 13:19:11	111301P5	070AC1	1000	Storage Sequence guard 1			
Pa	16.4.2011 13:22:05	111301P5	064B95			X8001	Freez room	Route "Bomazgo code 1" executed in right order
Pa	16.4.2011 13:25:40	111301P5	070AC1	1000	Storage Sequence guard 1	X8002	Fileg line 1	
Pa	16.4.2011 13:27:59	111301P5	064B95			X8003	11 storage	
Pa	16.4.2011 13:30:13	111301P5	064B95			X8004	Director office	
Pa	16.4.2011 13:32:56	111301P5	070AC1	1000	Storage Sequence guard 1	X8005	511 room	
Pa	16.4.2011 13:36:28	111301P5	070AC1	1000	Storage Sequence guard 1	X8006	6 Security room	
Pa	16.4.2011 13:39:02	111301P5	070AC1	1000	Storage Sequence guard 1	X8007	7 Service room	
Pa	16.4.2011 13:41:33	111301P5	070AC1	1000	Storage Sequence guard 1	X8008	11 Laboratory	
Pa	16.4.2011 13:42:20	111301P5	070AC1	1000	Storage Sequence guard 1	X8009	8 Main entrance	
Pa	16.4.2011 13:43:41	111301P5	070AC1	1000	Storage Sequence guard 1			Route "Bomazgo code 2" executed in right order
Pa	16.4.2011 13:45:02	111301P5	070AC1	1000	Storage Sequence guard 1	X8007	7 Service room	
Pa	16.4.2011 13:46:47	111301P5	070AC1	1000	Storage Sequence guard 1	X8009	8 Main entrance	
Pa	16.4.2011 17:52:40	111301P5	070AC1	1000	Storage Sequence guard 1			Route "Bomazgo code 1" executed out of sequence
Pa	16.4.2011 17:56:48	111301P5	064B95			X8001	Freez room	
Pa	16.4.2011 18:02:49	111301P5	070AC1	1000	Storage Sequence guard 1	X8002	Fileg line 1	
Pa	16.4.2011 18:06:22	111301P5	064B95			X8003	11 storage	
Pa	16.4.2011 18:12:06	111301P5	064B95			X8004	Director office	
Pa	16.4.2011 18:18:19	111301P5	070AC1	1000	Storage Sequence guard 1	X8005	511 room	
Pa	16.4.2011 18:17:34	111301P5	070AC1	1000	Storage Sequence guard 1	X8007	7 Service room	
Pa	16.4.2011 18:22:21	111301P5	070AC1	1000	Storage Sequence guard 1	X8006	6 Security room	
Pa	16.4.2011 18:48:17	111301P5	070AC1	1000	Storage Sequence guard 1	X8008	11 Laboratory	
Pa	16.4.2011 19:02:40	111301P5	070AC1	1000	Storage Sequence guard 1	X8009	8 Main entrance	
Pa	16.4.2011 19:32:40	111301P5	070AC1	1000	Storage Sequence guard 1			Route "Freez" executed randomly
Pa	16.4.2011 19:36:05	111301P5	064B95			X8001	Freez room	
Pa	16.4.2011 19:40:59	111301P5	070AC1	1000	Storage Sequence guard 1	X8002	Fileg line 1	
Pa	16.4.2011 19:43:25	111301P5	064B95			X8003	11 storage	
Pa	16.4.2011 19:48:31	111301P5	064B95			X8004	Director office	
Pa	16.4.2011 20:01:51	111301P5	070AC1	1000	Storage Sequence guard 1	X8007	7 Service room	
Pa	16.4.2011 20:06:54	111301P5	070AC1	1000	Storage Sequence guard 1	X8006	6 Security room	
Pa	16.4.2011 20:21:49	111301P5	070AC1	1000	Storage Sequence guard 1	X8008	11 Laboratory	
Pa	16.4.2011 20:28:19	111301P5	070AC1	1000	Storage Sequence guard 1	X8009	8 Main entrance	
Pa	16.4.2011 22:58:35	111301P5	070AC1	1000	Storage Sequence guard 1			Route "Freez" executed randomly
Pa	16.4.2011 22:58:15	111301P5	064B95			X8001	Freez room	
Pa	16.4.2011 22:58:47	111301P5	070AC1	1000	Storage Sequence guard 1	X8002	Fileg line 1	

Route evaluation:
Route "Bomazgo code 1" executed in right order

☐ Evaluate to points
☐ Time evaluation
☐ Evaluation of differences
☐ Length of the route in the interval

Time greater than: 1200 minutes
from: 0 to: 240 minutes

Listing by points - contains a complete listing of reading, performed at predefined checkpoints.

Preparation and printing of reports

Report: Report nr.002

Amount of Sentences: 454

Time	Date and time	Source	Chp	Code	Round name	Code	Control point	Route evaluation
16.4.2011	13:22:05	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
16.4.2011	17:56:40	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
16.4.2011	19:36:05	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
16.4.2011	22:09:19	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
17.4.2011	00:03:26	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
17.4.2011	01:28:16	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
17.4.2011	12:58:44	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
17.4.2011	18:59:17	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
17.4.2011	20:59:34	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
17.4.2011	23:57:13	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
18.4.2011	02:29:27	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
18.4.2011	16:18:19	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
18.4.2011	20:59:16	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
18.4.2011	22:09:19	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
18.4.2011	22:50:22	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
18.4.2011	01:28:16	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
18.4.2011	18:59:11	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
18.4.2011	21:07:42	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
18.4.2011	22:43:53	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
20.4.2011	06:25:29	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
20.4.2011	18:40:22	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
20.4.2011	21:23:52	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
20.4.2011	23:00:41	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
21.4.2011	00:46:25	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
21.4.2011	18:56:23	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
21.4.2011	21:28:14	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
21.4.2011	22:27:44	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
22.4.2011	01:24:46	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
22.4.2011	03:21:11	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
22.4.2011	19:06:33	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
22.4.2011	21:14:41	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
22.4.2011	22:19:57	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	
23.4.2011	01:40:03	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
23.4.2011	18:59:17	11130175	054395	10001	Boragoj Senceance guest 1	K8001	Terror room	
23.4.2011	21:18:42	11130175	054395	10002	Boragoj Senceance guest 2	K8001	Terror room	

Route evaluation:

☐ Evaluate by points

☐ Time evaluation

☐ Evaluation of differences

☐ Length of the route is in the interval

Time greater than: 1200 minutes

from: 0 to: 240 minutes

Print

Preparation and printing of reports

Report: Report nr.002

Amount of Sentences: 517

Time	Date and time	Source	Chp	Code	Round name	Code	Control point	Route evaluation
16.4.2011	13:19:11	11130175	050AC1	10001	Boragoj Senceance guest 1			Route "Boragoj route 1" executed in right order
16.4.2011	13:22:05	11130175	054395			K8001	Terror room	
16.4.2011	13:26:05	11130175	FE6AC			K8002	Prilag line 1	
16.4.2011	13:27:59	11130175	FE6B7			K8003	Storage	
16.4.2011	13:28:13	11130175	FE436			K8004	Director office	
16.4.2011	13:28:56	11130175	FE699			K8005	511 room	
16.4.2011	13:28:28	11130175	FE7F0			K8006	6 Security room	
16.4.2011	13:28:02	11130175	FE6B4			K8007	7 Service room	
16.4.2011	13:45:13	11130175	FE452			K8008	8 Laboratory	
16.4.2011	13:47:30	11130175	FE474			K8009	9 Main entrance	
16.4.2011	14:20:39	11130175	071E49	10002	Boragoj Senceance guest 2			Route "Boragoj route 2" executed in right order
16.4.2011	12:27:17	11130175	FE6B4			K8007	7 Service room	
16.4.2011	12:44:47	11130175	FE474			K8009	9 Main entrance	
16.4.2011	17:56:40	11130175	054395	10001	Boragoj Senceance guest 1			Route "Boragoj route 1" executed out of sequence
16.4.2011	18:02:49	11130175	FE6AC			K8002	Prilag line 1	
16.4.2011	18:06:22	11130175	FE6B7			K8003	Storage	
16.4.2011	18:12:06	11130175	FE436			K8004	Director office	
16.4.2011	18:15:19	11130175	FE699			K8005	511 room	
16.4.2011	18:17:34	11130175	FE6B4			K8007	7 Service room	
16.4.2011	18:22:23	11130175	FE7F0			K8006	6 Security room	
16.4.2011	18:46:17	11130175	FE452			K8008	8 Laboratory	
16.4.2011	18:50:40	11130175	FE474			K8009	9 Main entrance	
16.4.2011	19:32:30	11130175	071E49	10002	Boragoj Senceance guest 2			Route "was" executed randomly
16.4.2011	19:48:05	11130175	054395			K8001	Terror room	
16.4.2011	19:48:59	11130175	FE6AC			K8002	Prilag line 1	
16.4.2011	19:49:26	11130175	FE6B7			K8003	Storage	
16.4.2011	19:49:31	11130175	FE436			K8004	Director office	
16.4.2011	20:01:51	11130175	FE699			K8005	511 room	
16.4.2011	20:04:54	11130175	FE7F0			K8006	6 Security room	
16.4.2011	20:21:49	11130175	FE452			K8008	8 Laboratory	
16.4.2011	20:24:19	11130175	FE474			K8009	9 Main entrance	
16.4.2011	22:04:33	11130175	050AC1	10001	Boragoj Senceance guest 1			Route "was" executed randomly
16.4.2011	22:08:15	11130175	054395			K8001	Terror room	

Route evaluation:

☐ Evaluate by points

☐ Time evaluation

☐ Evaluation of differences

☐ Length of the route is in the interval

Time greater than: 1200 minutes

from: 0 to: 240 minutes

Print

Producer:



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