



Centralized monitoring software
Monas-NET

(Version 1.56)

User guide

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1. Application of the programme *MONAS-NET*

Programme *Monas-NET* is network-based programme of centralized monitoring. It is applied in central monitoring stations for reception and displaying of alarm messages, received from protected objects via different communication channels.

Monitoring programme *Monas-NET* receives messages from security or fire protection systems and displays including data available in data bases of the objects under protection. The programme provides personnel with information on the monitor in a form comfortable for monitoring and enables to react operative towards current situation.

The programme enables operator to record notes on reaction course automatically and/or under established timetable observes switching security system on/off; it automatically observes well-timed reception of signals on communication test and notifies in a case of their absence. The programme also enables to prepare precise report of received messages and actions of personnel.

2. Protection of the programme

Electronic security key which is connected to the computer through a USB port is used for security of the programme. The key provides options for programme use following the amount of protected objects and protects from unauthorized access.

Attention!!! Without a security key the programme *Monas-NET* supports for up to thirty objects available in data base.

This is *Monas-NET DEMO version*.

3. Programme components

Programme *Monas-NET* is comprised of several components:

- Data base control programme *MySQL ver.4.1*;
- Programme *Monas-NET server* ;
- Programme *Monas-NET client* ;

Programme *MySQL* controls the whole data base of protected objects and received messages.

Programme *Monas-NET server* provides reception of information from peripheral sources and communication between programmes *MySQL* and *Monas-NET client*.

Monas-NET client displays received information including information of data bases. Working places with the programme *Monas-NET client* is restricted in terms of local network only.

4. PC requirements

Minimal PC requirements for server *MySQL*;

- Pentium 4... 2GHz processor;
- Windows 2000, XP, sever 2003 operation system;
- 512 MB of RAM;
- 4GB of free space on a hard disk drive;

Minimal PC requirements for operation with the programmes *Monas-NET server* and *Monas-NET client*:

- Pentium 4 2GHz processor;
- Windows 2000, XP, sever 2003 OS;
- 512 MB of RAM;
- 50MB of free space on a hard disk drive;

Computers should operate in local network. PC with installed application *Monas-NET client* must be provided with sound card and loudspeakers.

In order to print reports printer must be connected to.

5. Properties of the programme

Programme *Monas-NET* enables to create data base for protected objects, to add new information to it; it displays received messages on the monitor including data available in data base, automatically observes well-timed reception of signals of communication test as objects are being closed and opened as well as enables to enter reaction notes and to conclude full report of received messages and actions of personnel.

Programme *Monas-NET*:

- Automatically displays received messages on the monitor including data available in data base;
- Reception of messages is accompanied with different sound signals;
- Provides various possibilities for personnel to use the programme;
- Enables personnel to add notes of reaction;
- Automatically controls well-timed reception of messages on communication test with protected object;
- Automatically observes switching security system on/off for indicated objects;
- Records time of message reception;
- Records personnel's reaction time towards received message;
- Stores received messages and reaction notes in archive;
- Automatically following set time reminds personnel about marked events;

Programme *Monas-NET* enables:

- To receive information from different equipment, operating via various communication channels in different protocols;
- To display received information on the monitor together with data available in data base;
- To create and to manage data base for protected objects;
- To set required sequence and components of information displayed on the monitor;
- To distribute information flows via various work places;
- To channel information flow into other programme or PC;
- To enter summer/winter time;
- To carry out operative data search in s data base;

- To prepare accurate report about events and reactions towards these events;
- To periodically copy data base and to save it to specified drives;
- To select language (LT, RU, EN);

6. Installation of the programme

6.1. Local computer network

Programme *MONAS-NET* may be installed in one computer or in several computers, operating in local network. If programme is applied in computers, operating in local network, all network settings completed before installation of the programme.

6.2. Installation of My SQL

Firstly programme *MySQL* should be installed. Usually it should be installed to the same server, where application *Monas-NET server* will be installed to. Programme *MySQL ver. 4.1* should be installed following the order below (MySQL installation manual).

6.2.1. Select MYSQL install in Monas-NET install v1.43 installation wizard. Activate file mysql-essential-4.1.19-win32.msi.

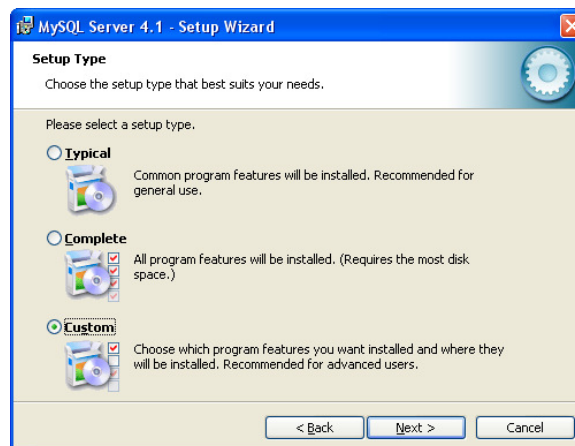


6.2.2. In the window press [Run] and the next window will be displayed.

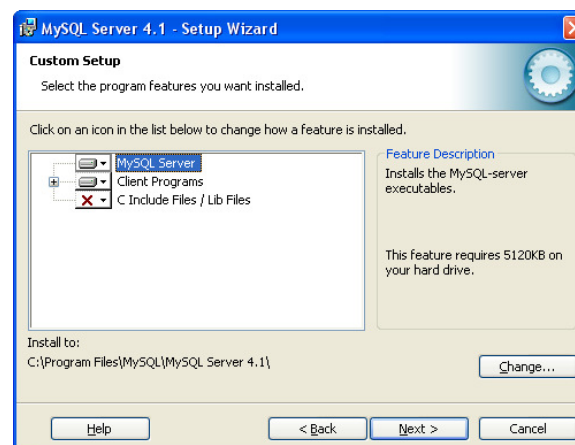


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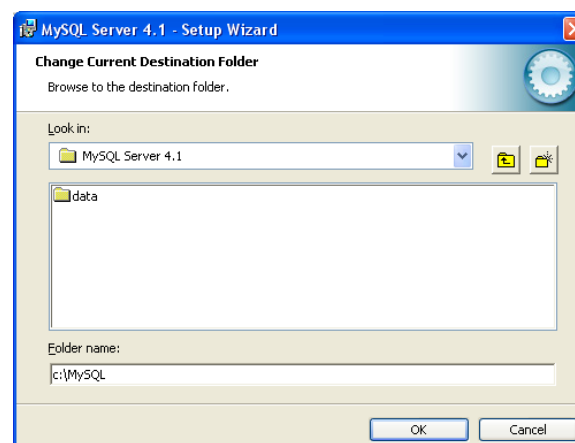
6.2.3. Press key [Next].



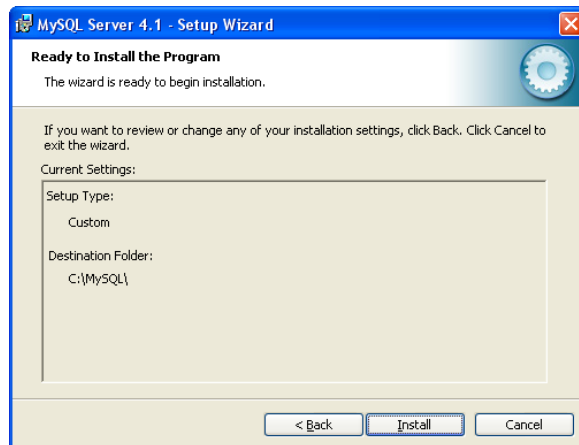
6.2.4. Select position [Custom] and press [Next].



6.2.5. Here it is possible to specify the place for MySQL data base storage. If it is necessary to change the place of storage, press [Change], if no – press key [Next].

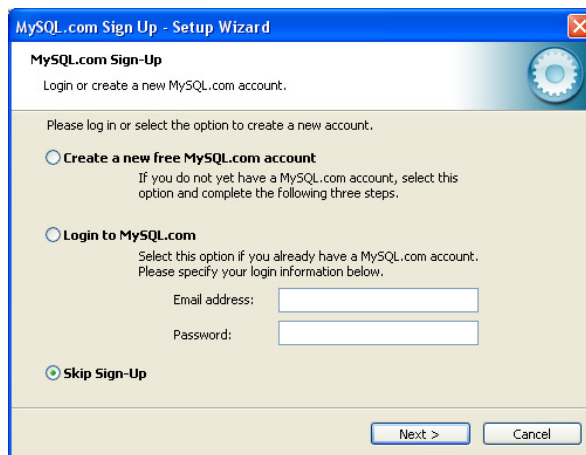


6.2.6. Specify MySQL storage place and press [OK].

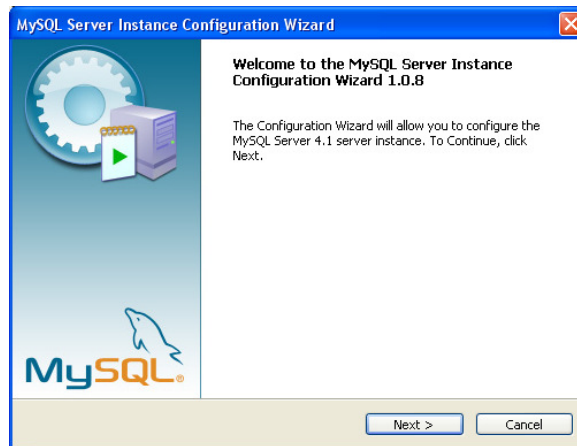


6.2.7. In this window press [Install].

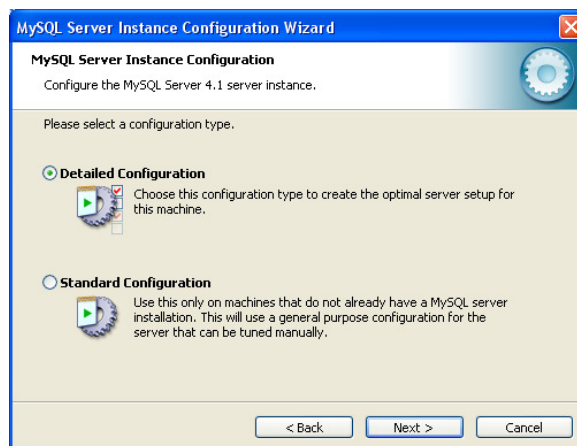
6.2.8. New window will be displayed. In this window select position [Skip Sign-Up] and press key [Next].



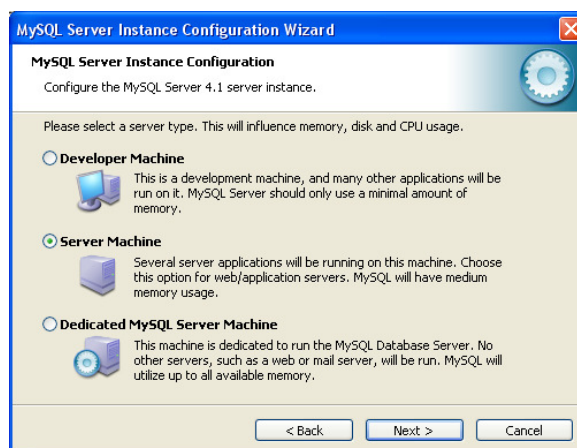
6.2.9. Select position [Configure the MySQL Server now] and press [Finish].



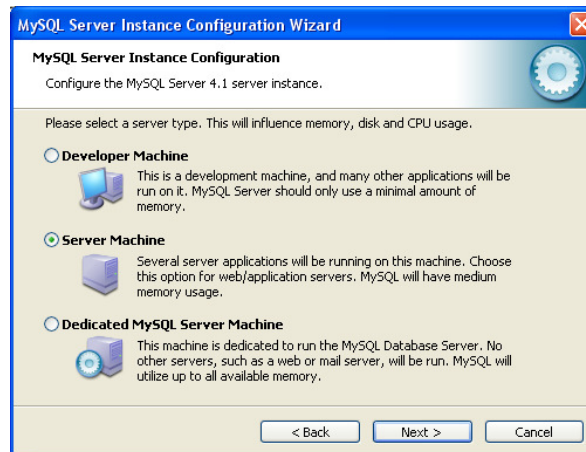
6.2.10. Press key [Next].



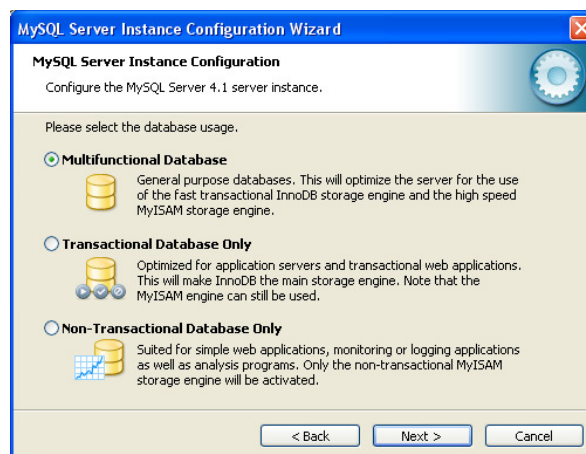
6.2.11. Select [Detailed Configuration] and press [Next].



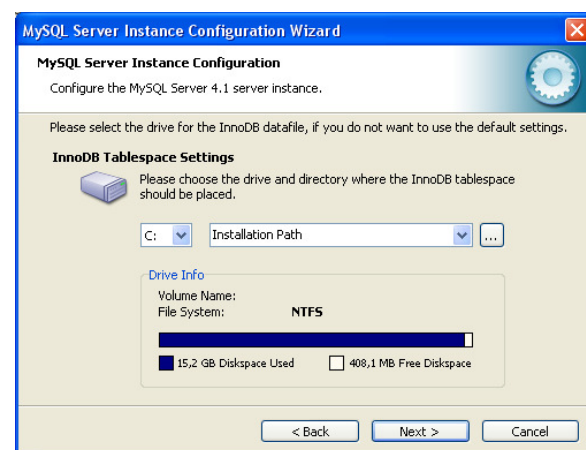
6.2.12. Select [Server Machine] and press [Next].



6.2.13. Select [Multifunctional Database] and press [Next].

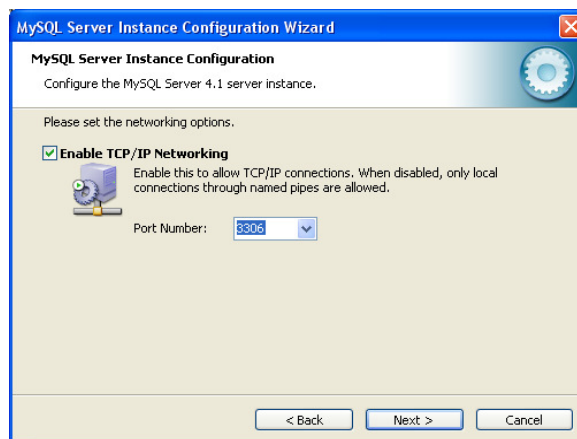


6.2.14. Press key [Next].





6.2.15. Select [Decision Support (DSS)/OLAP] and press [Next].



6.2.16. Check checkbox [Enable TCP/IP Networking], port number 3306 and press [Next].



6.2.17. Select [Standard Character Set] and press [Next].



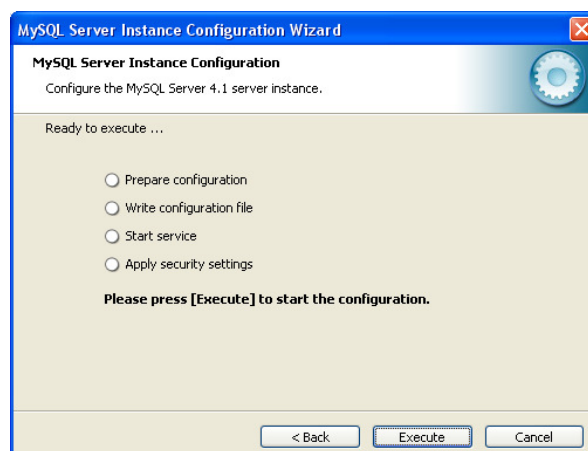
6.2.18. Check checkbox [Install as Windows Service] in “Service Name” select “MySQL”, check checkbox [Launch the MySQL Server automatically] and press [Next].



6.2.19. Check checkbox [Modify Security Settings]. Enter password [root] and retype it below. Remember password, it will be necessary for further installation of the programme.

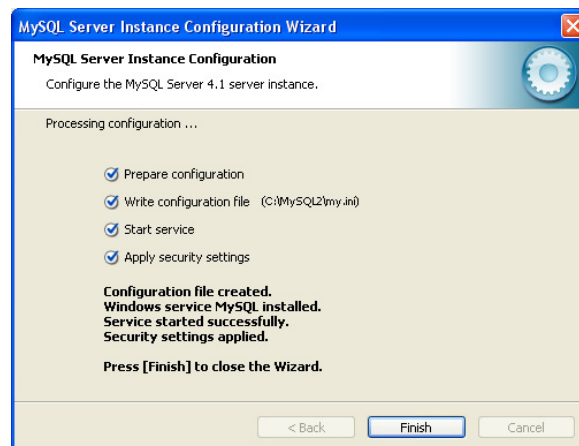
Check checkbox [Enable root access from remote machines]. It will be necessary for operation with *Monas-NET* within a network.

Press [Next].



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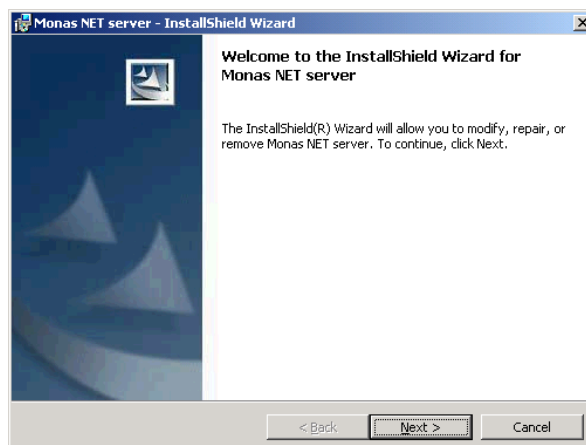
6.2.20. Press [Execute].



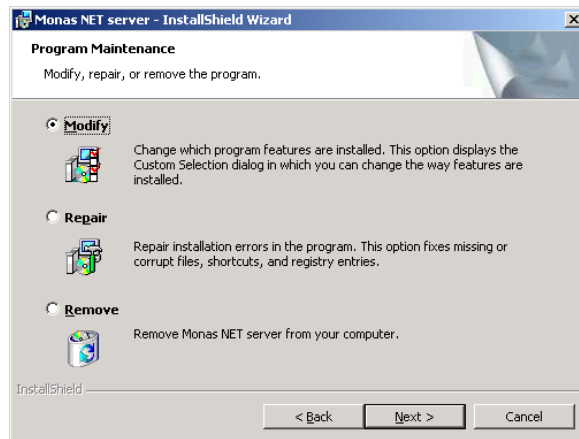
6.2.21. If installation passed successfully, press [Finish].

6.3 Installation of Monas-NET server:

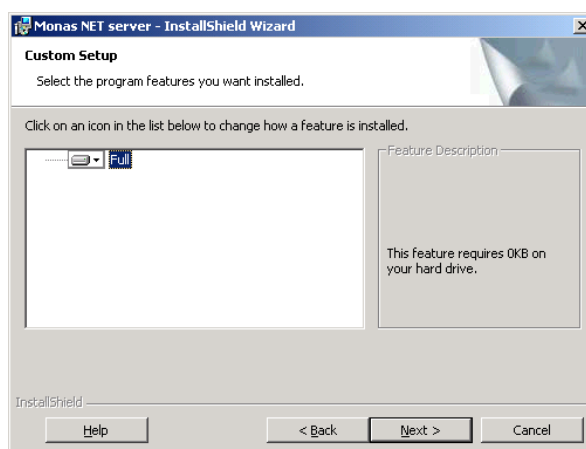
Select *Monas-NET* server install v1.43 in installation wizard. Activate file setup.exe.



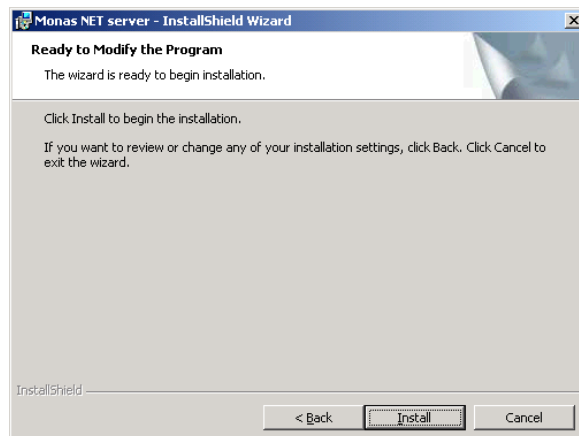
Press key [Next].



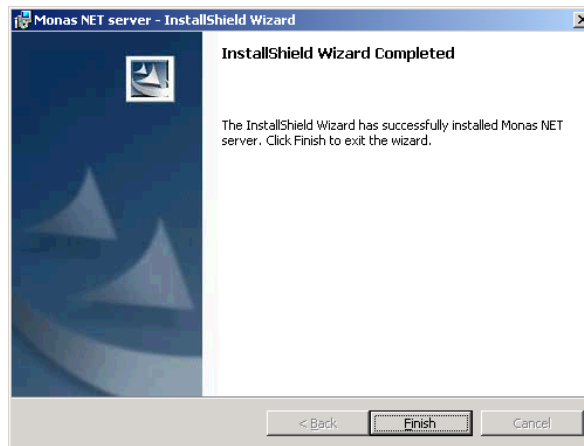
Press key [Next].



Press key [Next].



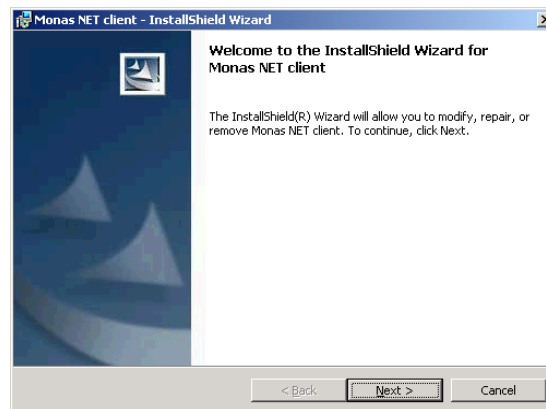
Press key [Install].



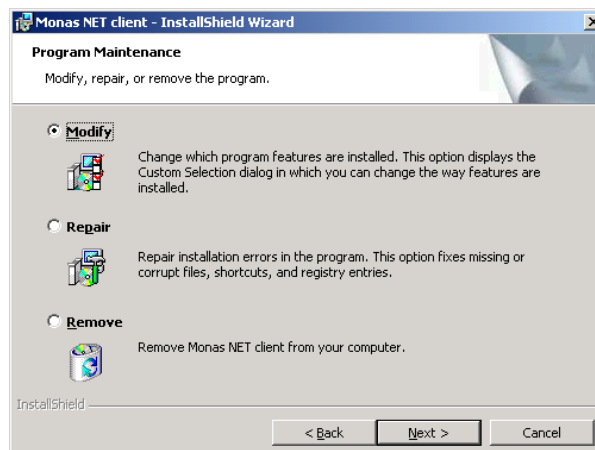
Press key [Finish].

6.4. Installation *Monas-NET client*:

Select *Monas-NET* client install v1.43 in installation wizard *Monas-NET* install v1.43. Activate file setup.exe.

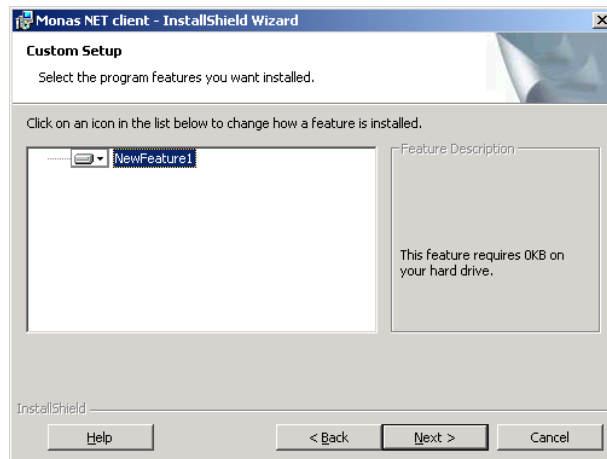


Press key [Next].

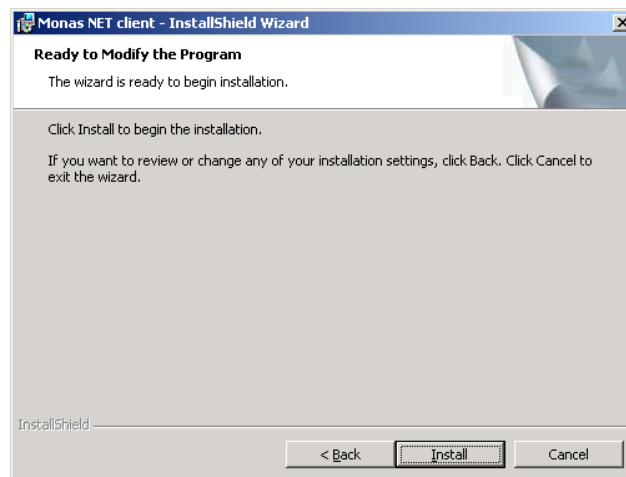


Press key [Next].

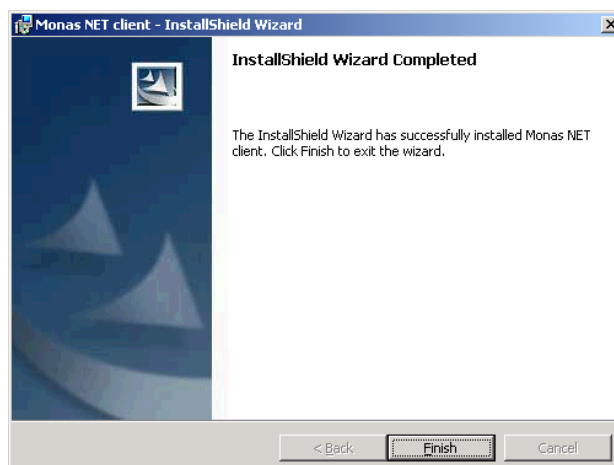
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Press key [Next].



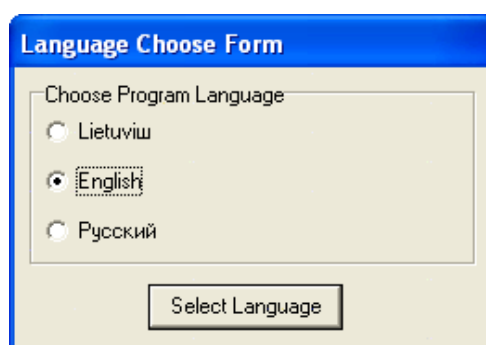
Press key [Install].



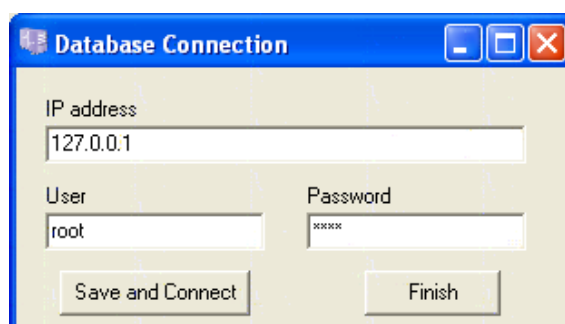
Press key [Finish].

6.5. First launch and main settings

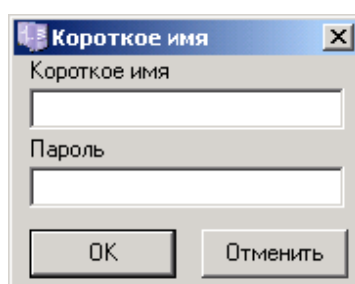
6.5.1. When *Monas NET Server* is launch for the first time, window below will be displayed.



Select language and press [**Select Language**]. Window below will be displayed.



Enter necessary information (user name and password must be the same as these used during installation of MySQL programme) and press [**Save and Connect**]. The programme will try to connect to data base and after successfully connecting window below will be displayed.

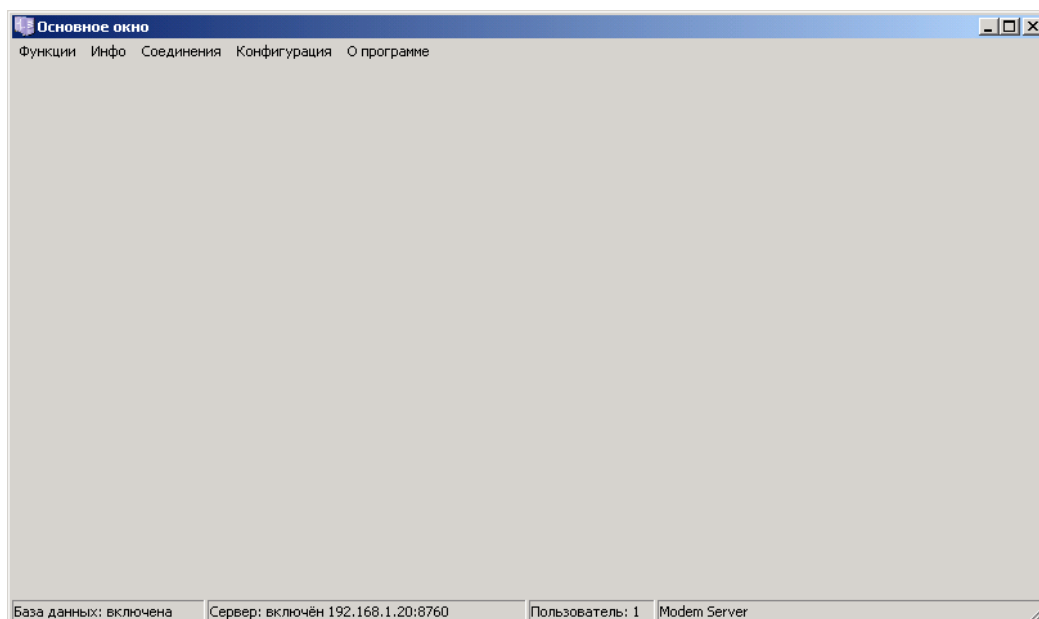


Default data:

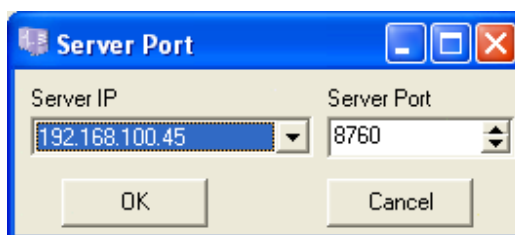
Short name: 1

Password: adm

After successful entering Main Window *Monas-NET server* will be displayed.



Follow command sequence **Connections**→**Sever**→**Select port** select necessary IP address from a list and enter server port number 8760.

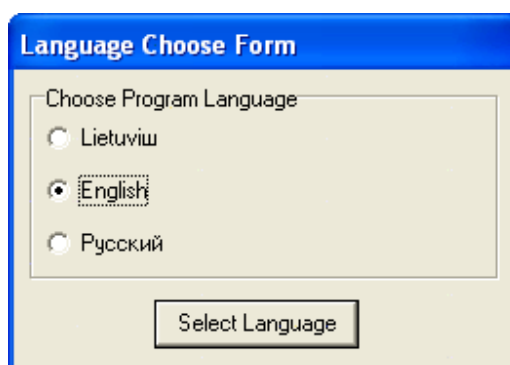


Note: If list contains more than one IP address, try any while you succeed in connecting.

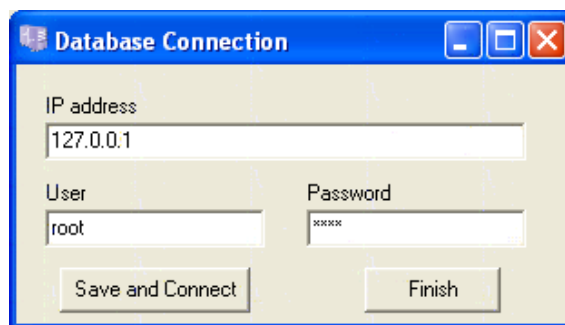
It is recommended not to change port server and left it as default 8760.

Server will be launched if there no other applications connected to server programme.

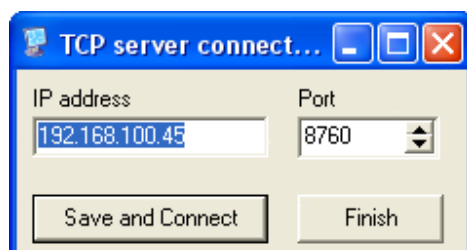
6.5.2. When *Monas NET client* is launch for the first time, window below will be displayed.



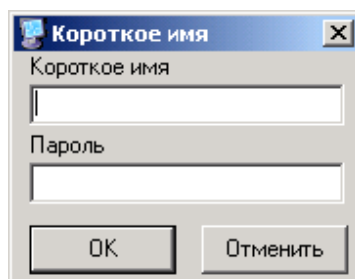
Select language and press [**Select Language**].



Enter necessary information (user name and password must be the same as these used during installation of MySQL programme) and press [**Save and Connect**]. Information entered in this window must be identical to that, entered to that entered into programme *Monas-NET server*. After successful connecting to data base, enter TCP/IP address and port number.



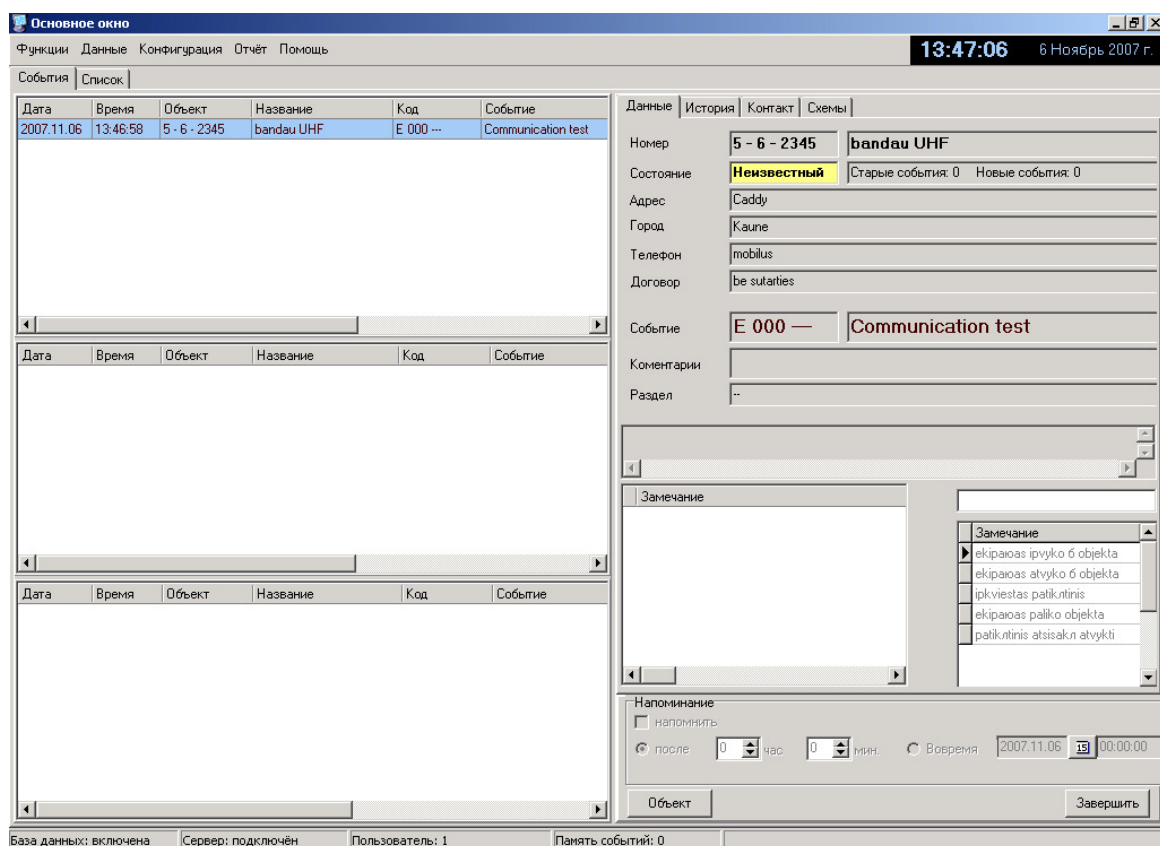
After entering necessary information press [**Save and Connect**].



Default data:

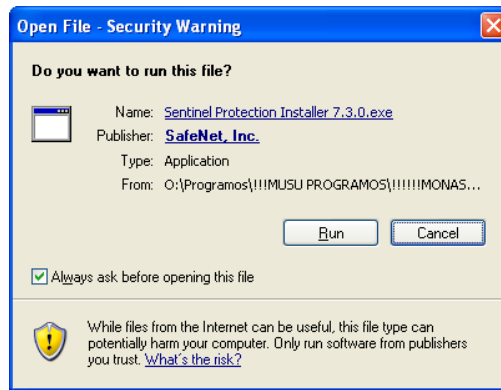
Short name: 1
Password: adm

Main window of the programme *Monas-NET client* will be displayed.

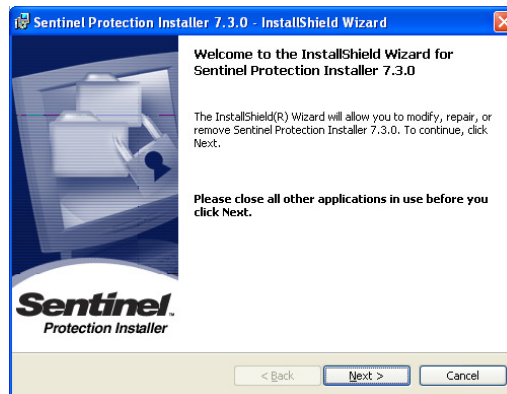


6.6. Installation of Security key

Security key is necessary for operation with full version. For this purpose select *Sentinel security key drivers* in installation wizard and activate the file *Sentinel Protection Installer*.



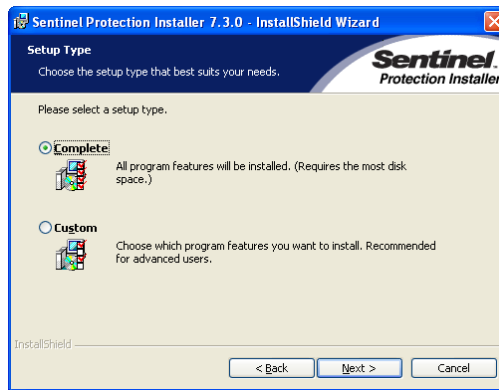
Further press key [Run].



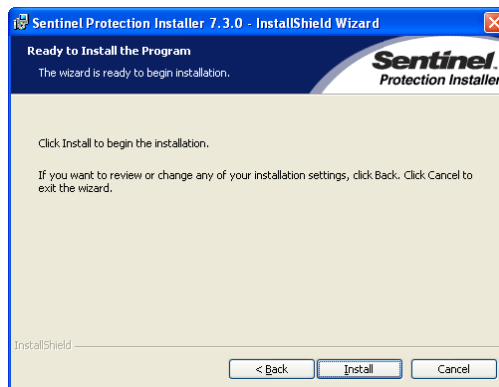
Press key [Next].



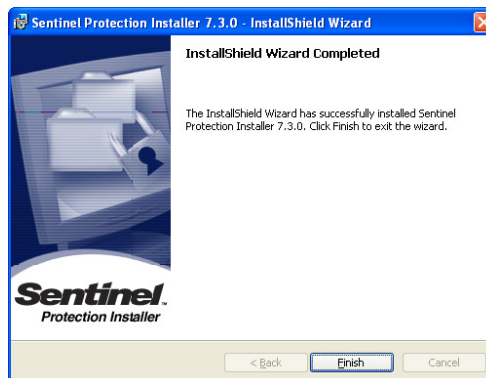
Check checkbox that you accept terms of licence agreement and press [Next].



Press key [Next].



Press [Install], further - [Yes].



Press key [Finish].

Plug a key received from a vendor to USB port of your PC and you will be allowed to use full version of the programme *Monas-NET*.

Attention!!!

Demo version of the programme *Monas-NET DEMO*, supports up to 30 objects without request of security code.

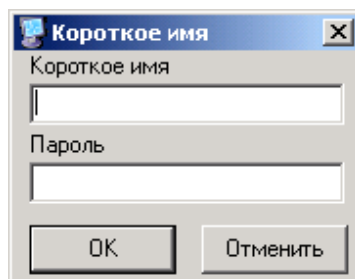
7. Programme menu

7.1. Activation/deactivation of the programme

1) Activation of programme *Monas NET* server.



Double click *Monas NET server.lnk* icon. Window will be displayed.

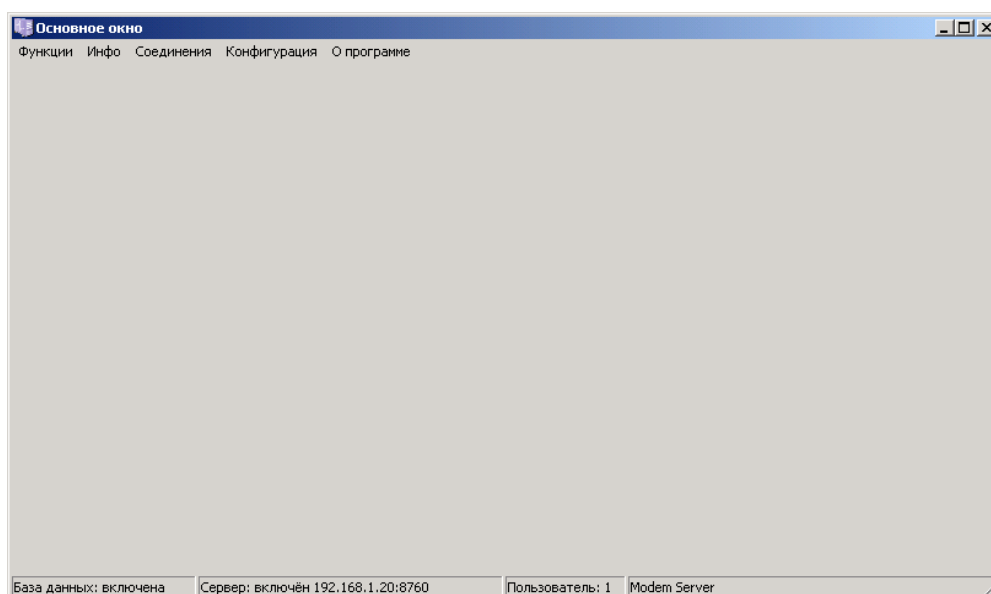


Enter data:

Short name: 1

Password: adm

After pressing [OK] Main Window of the application *Monas NET* server will be displayed.

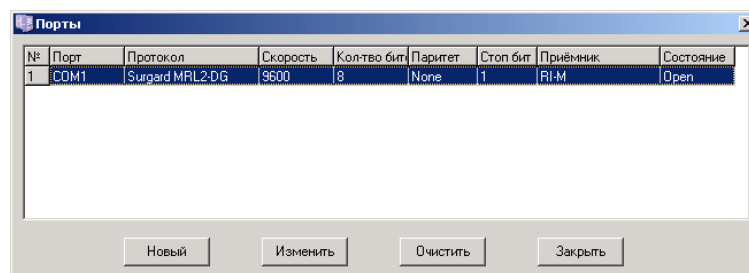


It is important to activate server and data base. Activation is seen in lower part of server window. If due to a certain reason server has not been activated, it may be done as follows: *Connections-Server-Activate server*.

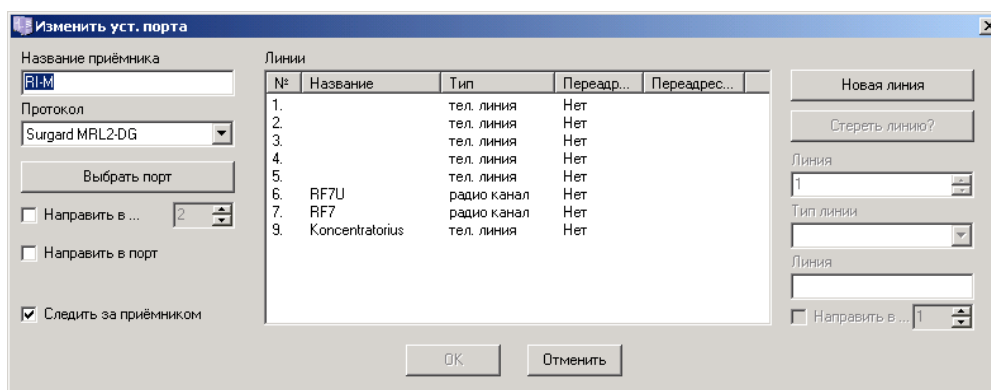
Go to *Configuration –Ports* in order to activate window of ports setup and to enter necessary parameters of ports.

After selecting proper port, by using command [Modify] it is possible to modify its settings, to delete it [Delete] or to add new [New].

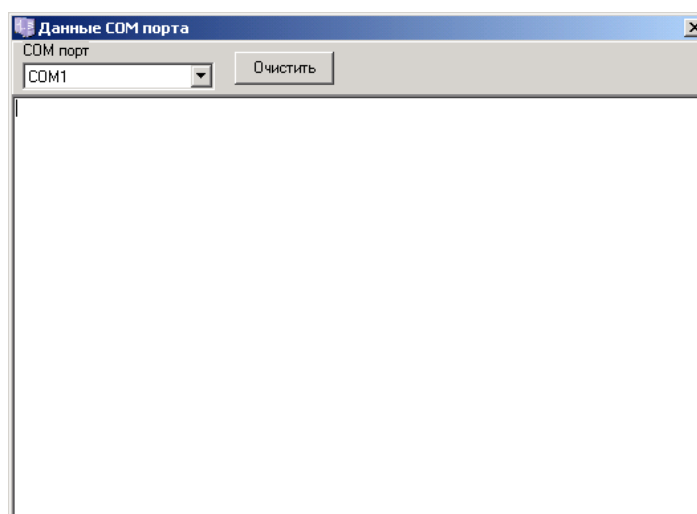
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Press key [Change] and set necessary parameters of reception equipment and communication channels in the window [Change port settings].



If necessary to observe signals, incoming via serial port, select **Info—Data of COM port** in the Main Window. Select required port in displayed window.



If necessary clear data, by pressing [Clear].

2) Next activate *Monas-NET client*. It may be installed in the same server or in any other PC, operating via the same network.



Click icon *Monas NET client.lnk* and enter short name of the operator and password, which are provided by the administrator of the station.

Window below will be displayed. Main Window of the application *Monas NET client* is comprised of four parts.

Current data and time is indicated above. The application uses PC time.

The first part of the window is called window of messages. It displays received message with object data, including object status and field for notes recording. In the line Comments additional comments of the event are displayed.

In the left side fields are called: field of received messages (lower), field of messages being processed (medium) and window of processed messages (upper).

In lower window messages are displayed following specified priorities. Messages with high priority are delivered for processing firstly. A message may be removed from lower window with double mouse click or it will be removed automatically after expiry of time (after 1-5sec.)

Messages available in medium window are subject to additional processing. Under necessity reaction notes are entered or operator waits for report of actions of crew. In medium window messages may be reviewed including their processing.

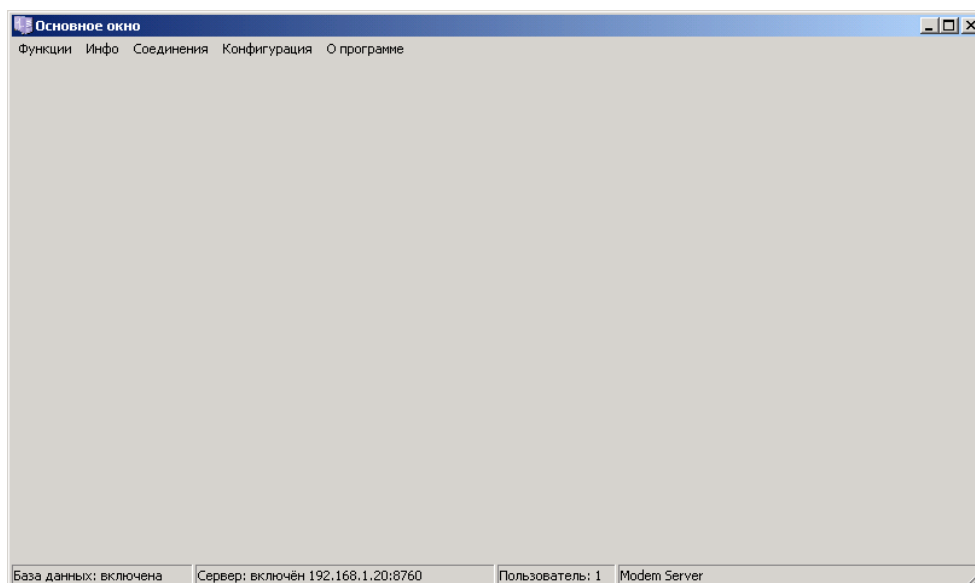
Finally processed messages are stored in upper window. These messages may be reviewed but editing is unallowable. Messages not required for processing are stored in this window automatically.

3) Deactivation of the programme:

Firstly all applications of *Monas NET client* are deactivated, later - *Monas NET server*.

7.2. Programme mode Monas-NET server.

In main computer server operation modes *Monas-NET server*, performing *server operation modes* should be set.



Commands *Functions* – *Connect/Disconnect/Exit* may be used for connection, disconnection or ending of operation of application Monas-NET server.

If necessary to observe signals, incoming via serial port, select ***Info—Data of COM port*** in the Main Window.

Sequence of commands *Connections* → *Data base/server* enables to set addresses of server and data base as well as necessary names and passwords. These commands usually are used by the head of the station.

Command *Configuration* → *Ports* are used for port settings.

Command *Configuration* → *Parameters* is used to select communication language of Monas-NET server.

Commands *Configuration* → *Options of backup copies of data base/Enter events/Delete entered events* are used for creation of data base copy. Commands are used by the head of the station for creation of data base copy, for restoration of data base and preparation of reports or for establishment of order for automatic saving of data base in other drive.

7.3. Programme mode Monas-NET server.

1) For creation of new object form and for searching of required information, Main Window mode *List* should be selected.

Основное окно

Функции Данные Конфигурация Отчет Помощь

14:36:35 6 Ноябрь 2007 г.

События Список

Быстрый поиск

Объект 1 1

Состояние	Объект	Название	Состояние	Договор	Служение з	Г
	5-1-0	Telefoninis priimimo modulis RT2		be sutarti	Saugomas	
	5-1-1001	bazns modemas			Saugomas	
	5-1-1234	DSC 1565 su T7		be sutarti	Saugomas	
	5-1-4004	I-as modemas			Saugomas	
	5-1-5005	II-as modemas			Saugomas	
	5-1-8001	RR-1			Saugomas	
	5-1-8002	RR-2			Saugomas	
	5-2-0	Telefoninis priimimo modulis RT2		be sutarti	Saugomas	
	5-3-0	GSM priimimo modulis RG1 (dial)		be sutarti	Saugomas	
	5-4-0	GSM priimimo modulis RG2 (SMS)		be sutarti	Saugomas	
	5-5-0	GSM priimimo modulis RG3 (GPRS)		be sutarti	Saugomas	
	5-6-0	Internetinis priimimo modulis RE2		be sutarti	Saugomas	
	5-6-2345	bandau UHF		be sutarti	Saugomas	
	5-7-0	Radio priimimo modulis RF7		be sutarti	Saugomas	
	5-7-1234	DSC1565 su T7		be sutarti	Saugomas	
	5-7-5444	MINIMA	ne laikui	be sutarti	Saugomas	
	5-7-5555	PC5020 stende		be sutarti	Saugomas	
	5-9-0	RI-M koncentradorius		be sutarti	Saugomas	

Новый Очистить Фильтр

База данных: включена Сервер: подключён Пользователь: 1 Память событий: 1

Открытие / Закрытие

Основные данные Тест Отв. лица События История

Клиент

Приёмник

Линия

Объект

Номер 5 7 5555

Название PC5020 stende

Адрес stende

Телефон 408040

Город Kaune

Договор be sutarties

Дата установки Тх 02.03.2007

Назначение

Установлено Trkdis

Контактное лицо ar

Телефон mano

Замечания

PC5020 sujungta su siustuvu T7 per CR3 sasaja.

Отменить Применить

Command *List* opens list of protected objects. It includes all entered objects; also it is possible to add new objects, to modify them or to delete. Upon activation of filter it is possible to find necessary data or to perform quick search of data of the object. New object form is being prepared in this window.

If object is not included in the list, the programme marks it as „Unknown object”.

In order to enter new object press key [New] and object form will be displayed. The form includes:

Device – indicated internal number of reception device, information is received from.

Line – indicates number of lines of multi-channel receiver, indicating where reception module is built-in;

Object ID – indicates number of subscription module (ID), installed in protected object.

These three figures comprise full number of the object and enable to define communication channel.

Name – name of the object;

Address – postal address of the object;

Telephone – contact telephone number of the object;

City – object-based city;

Agreement – number of agreement or owner of protected object;

Setup date – date of new information entering or new setup of the object;

Destination – destination of the object;

Installer – the company, providing installation, contact persons and his telephone number;

Notes – notes special to a certain object;

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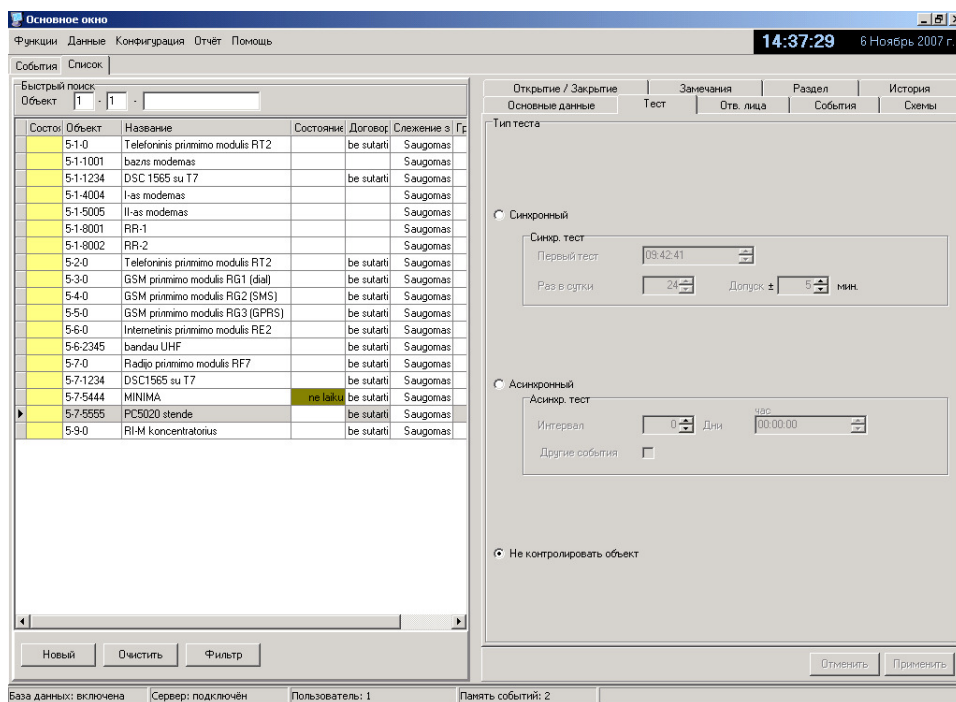
After entering new data (or a part thereof) press [Apply]. The object will be included in object list. Later other information about the object may be entered.

Test – control type and time period of communication test.

Two types of monitoring are possible: Synchronous and asynchronous. Synchronous monitoring – test message should be received following set time value with allowed deviation; If a message is received untimely, programme message „No test“ is being generated.

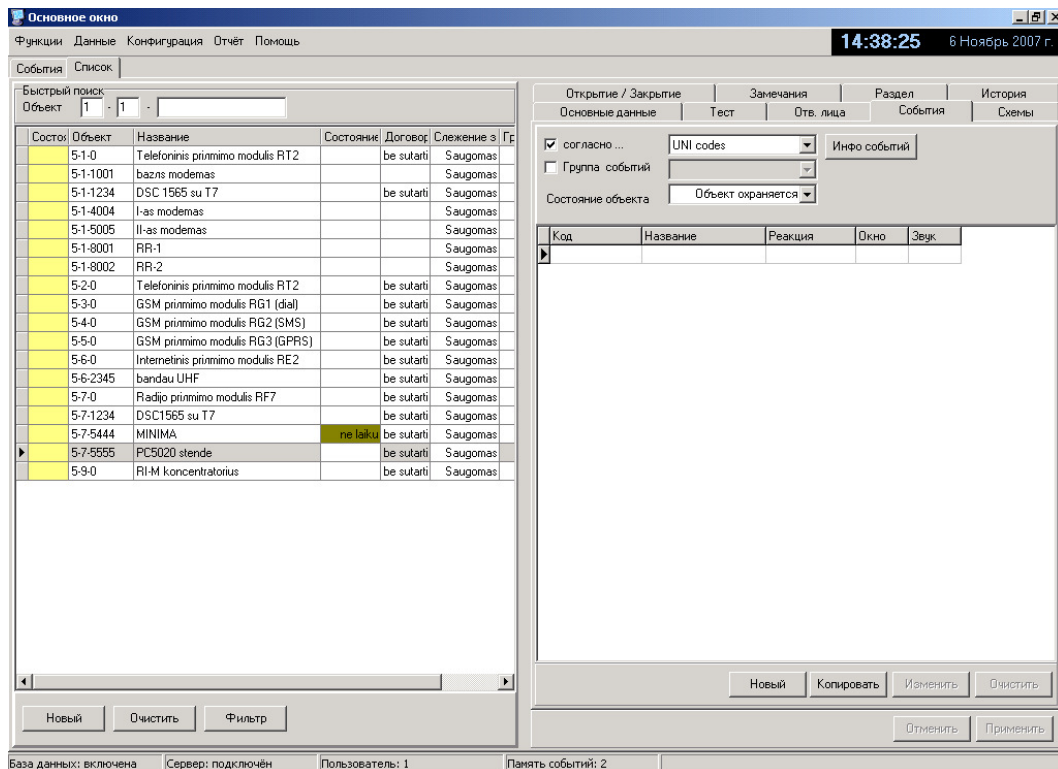
Under asynchronous monitoring test message must be received not later than set interval. If test has not been received programme message „No test“ is being generated. [Other events] indicates that each received message is test message.

Property [not to monitor] may be selected. In such case test messages will not be controlled and will be automatically transferred to upper window. The programme will generate additional messages.



Events – description of received messages.

Received code of the event is involved in data, stipulated in object form and will be displayed on the monitor. Object card includes event code and description of a message or example following which a reaction is being performed. Firstly data of object card is performed and later these stipulated in example. If event code is described the message will be displayed including settings available in data base, if not – the programme will generate message „Unknown event“.



Description of event may be modified, copied, deleted or added a new one. In order to enter description of message press [New]. Event window will be displayed.

It includes event code (event type, code and zone or user). It is possible to include readdressing to other card. Events and reactions are entered. Check checkbox [Window] and [Sound] and message will be indicated in event window together with sound. If checkbox [Window] will not be checked, a message will automatically be transferred to window of processed messages. Checkbox [Sound] should always be checked.

Open/close – control type of security system state (on/off) and schedule of switching on/off of security system.

TRIKDIS

Detailed monitoring schedule during working days should be concluded, schedule of holidays is also included. If appropriate message have not been received timely, the programme will generate message “Object will not be closed/open timely”. If message is received timely – it is displayed in a form stipulated in object form.

Responsible persons – list of responsible persons.

It is possible to enter, to modify, to add or to delete a responsible person. Form for entering responsible person is shown below.

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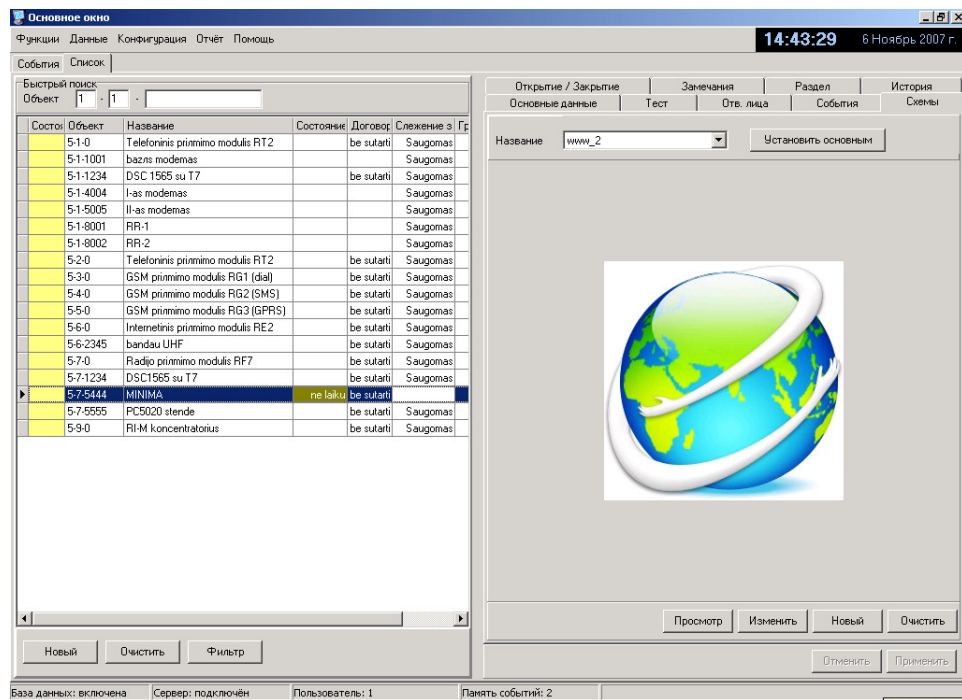
Key – a password for identification of responsible person. If a person can control security control panel and number of his control code is included in a column [user no], thus under reception of messages with user code his name and surname will be displayed instead of number.

Partition – partitions of security control panel.

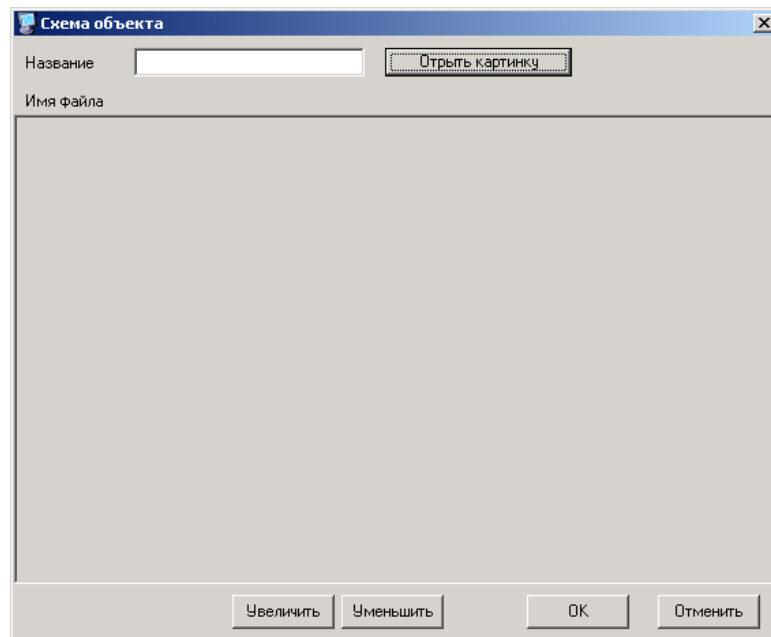
It is possible to change a list, to add new info or to delete. Form of new partitions of security control panel is displayed below.

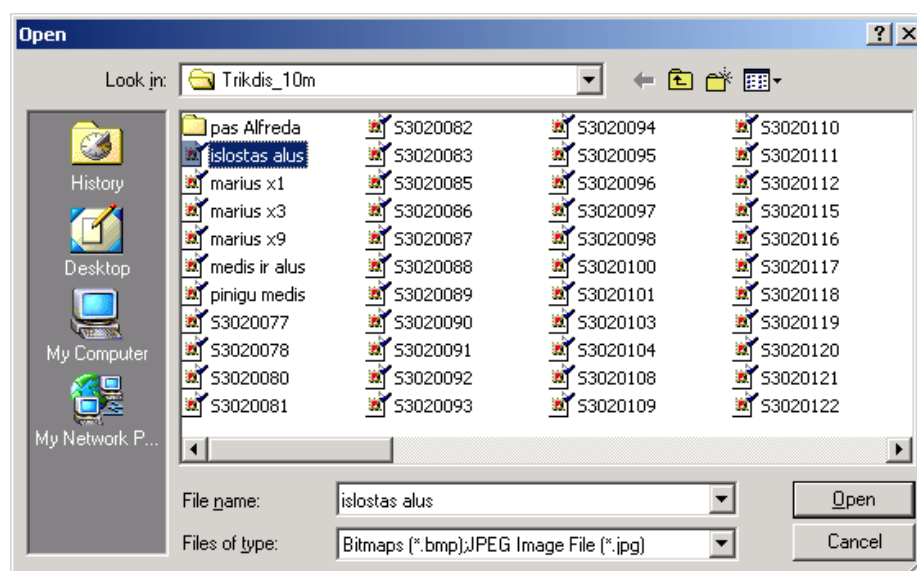
Schemes – used in graphical displaying of objects;

Used pictures may be in formats bmp. or jpg.



In order to enter a new shift press [New]. In the window select [Open picture] and check selected picture.





Press [Open] in order to see view picture. Press [OK] and selected picture will be added to object form.

Notes – possibility to create detailed description of protected object. It includes data, which have not been entered to other sections (security equipment type, connection schemes, and programming particular qualities.

History – it is possible to view previously received messages.

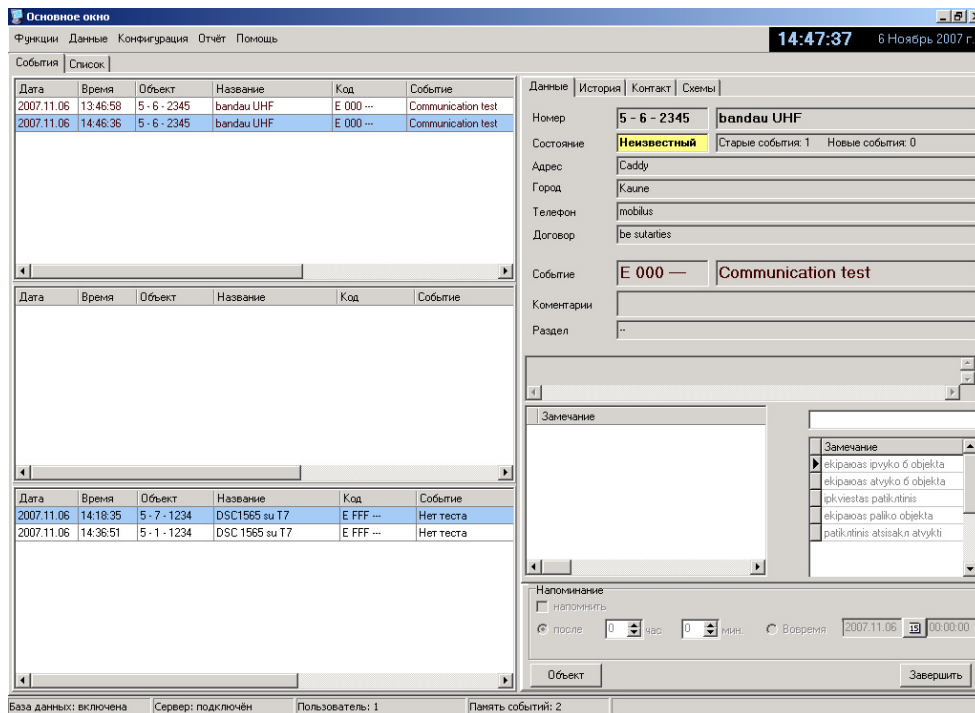
After completion of formation of object form it must be saved. Press [Accept] or [Cancel]. Key [Cancel] saves old data and returns back to object list. Key [Accept] saves new data and returns back to object list.

Operator groups may be created and objects may be assigned to them. Then messages from these objects will be possible to process only by operators from indicated group. This property is used in large stations, where several operators work in one shift.

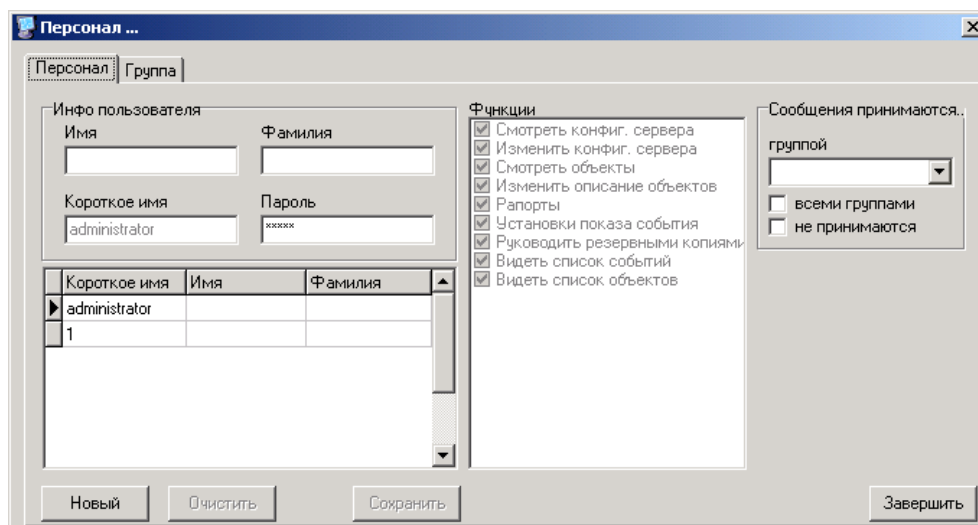
Creation of operator group is performed by head of the station following commands *Functions – Personnel - Group*. Assigning of the object to a group should be performed within object list. Double click on a column [Operator group] and window including titles of groups will be displayed.

In order to set necessary function for personnel to process messages, select mode *Events* in Main Window.

In such mode personnel of a station performs processing of received messages, as well as edits and transfers messages to reaction group, controls workability of equipment and communication channels.

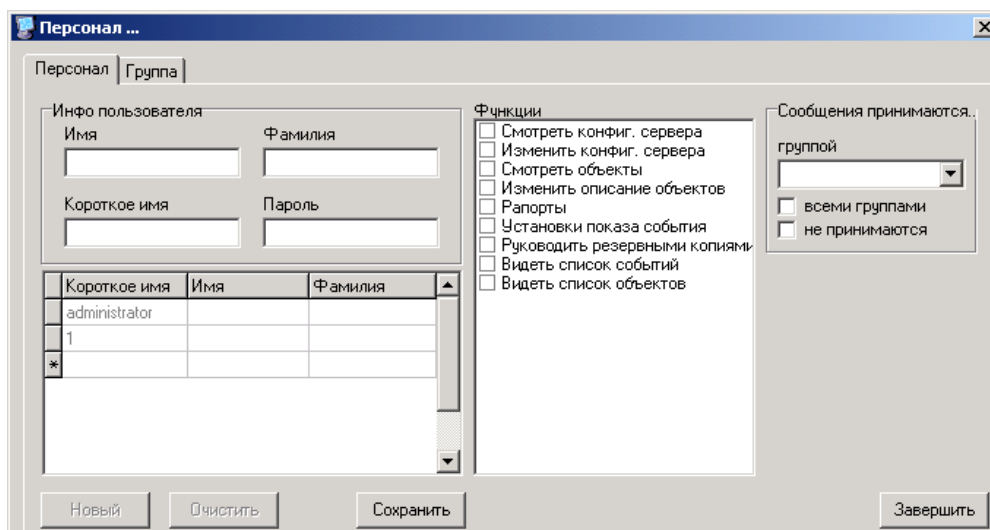


Personnel function should be set by using command *Functions - Personnel*. Window of personnel function setting is opened.



The Window includes data about personnel, functions being performed or admissible functions and under necessity groups of operators. The programme allows entering new passwords [New] or to delete currently available [Clear]. The first password may be changed, but it can not be deleted.

To enter new operator press [New] data window will be displayed [Personnel...]



Complete indicated fields and specify functions being performed. In order to save entered data press [Save];

Under reception of alarm messages, operator makes a decision following order established in a station and performers tasks assigned to him. Under necessity notes are entered or selected from displayed list and by pressing key [Repeat] transfers event to medium window of messages being processed. If the more detailed information is necessary for making a solution or for reaction, it may be rapidly accessed by *History/Contacts/Schemes* or by using keys F5...F8. Key [Object] is used to fully open object card.

If checkbox Reminders is checked and necessary parameters are set, a message will repeatedly be displayed to the monitor.

Double mouse click on selected message may be used to repeatedly display message from a window of messages being processed.

After processing is finished, a key [End] is used to transfer messages to window of processed messages. Messages not required for processing are stored in this window automatically.

7.4. Basic control commands

Application *Monas-NET client* is controlled with the help of mouse and keyboard. Some control commands are presented below:

Functions – Clear... - it is possible to clear a window of processed messages;

Functions - Personnel... - used for setting of personnel parameters;

Functions - Exit – used to end shift and to deactivate application *Monas-NET client*.

Data – used for creation of data base;

Configuration – used for setting of Main Window parameters;

Report – used for creation of reports;

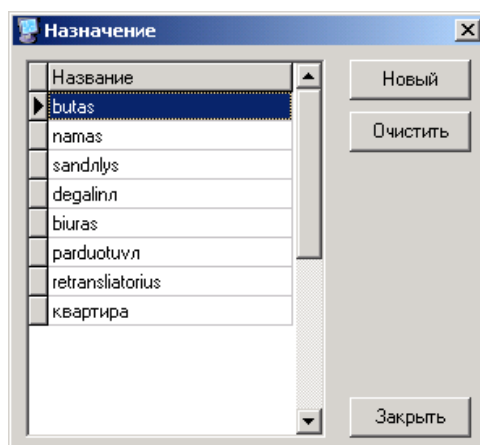
Help –About –short info about the application is available;

The following keys may be involved in application use:

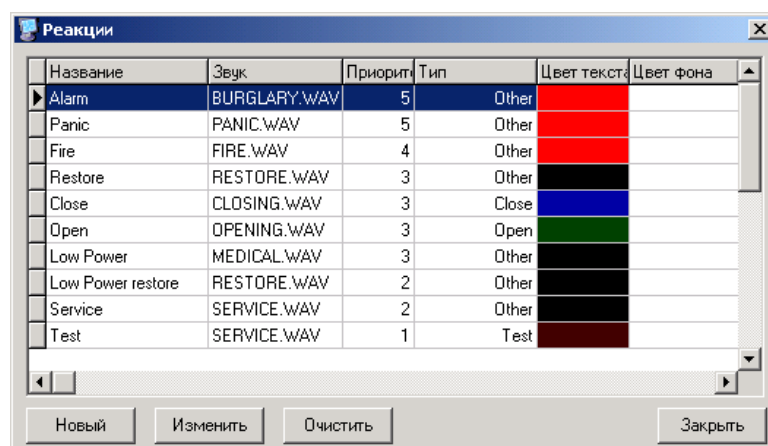
- Esc – to transfer a message to window of messages being processed. correspond to the [Repeat];
- Enter – to transfer a message to window of messages being processed. correspond to key [End];
- [space]- sound off;
- TAB – go to next section;
- F2—Screen refresh;
- F5...F8 – quick search in open window of messages:
 - F5 – data;
 - F6 – history;
 - F7—contacts;
 - F8 – schemes;

7.5. Menu of section *Data*

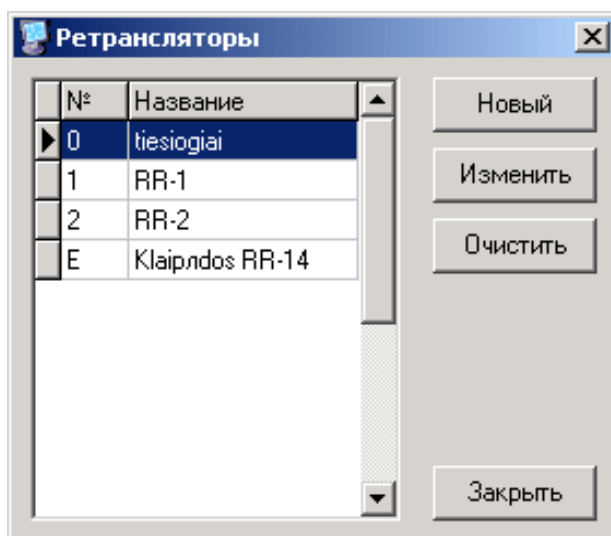
Command *Data – Assignment* is used to open window of assignments of objects and to enter assignments. This enables to sort objects following destinations.



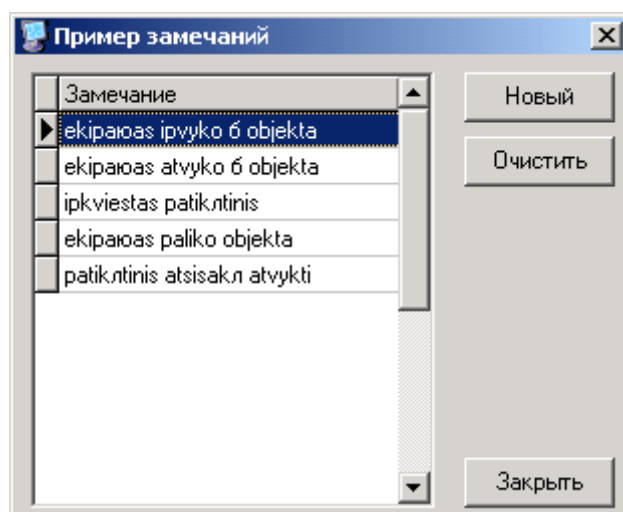
Commands *Data – Reactions* are used to open window of reactions to events. This will let assign various priorities, sound, colour to various messages.



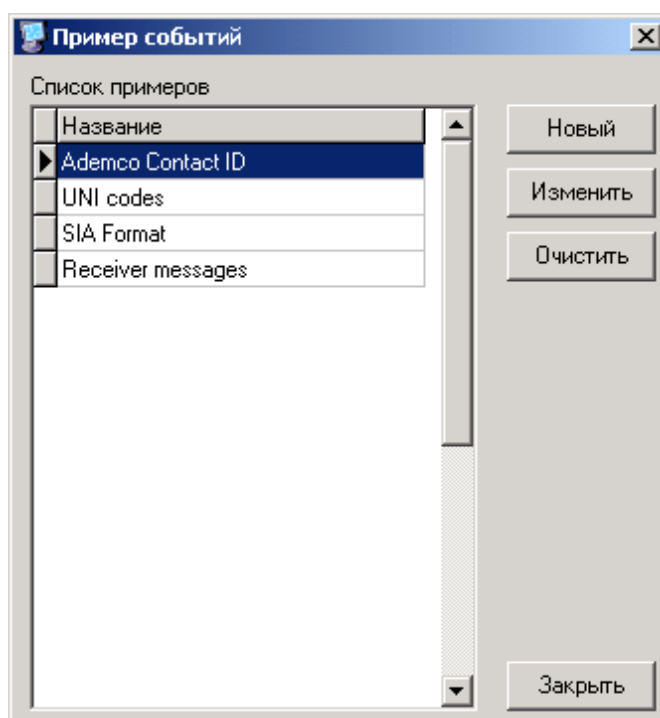
If radio communication is used go to *Data – Repeaters* in order to open list of repeaters. It contains names and internal (network-based) numbers of repeaters. This information is displayed in Main Window and allows tracking communication route of a message being received.



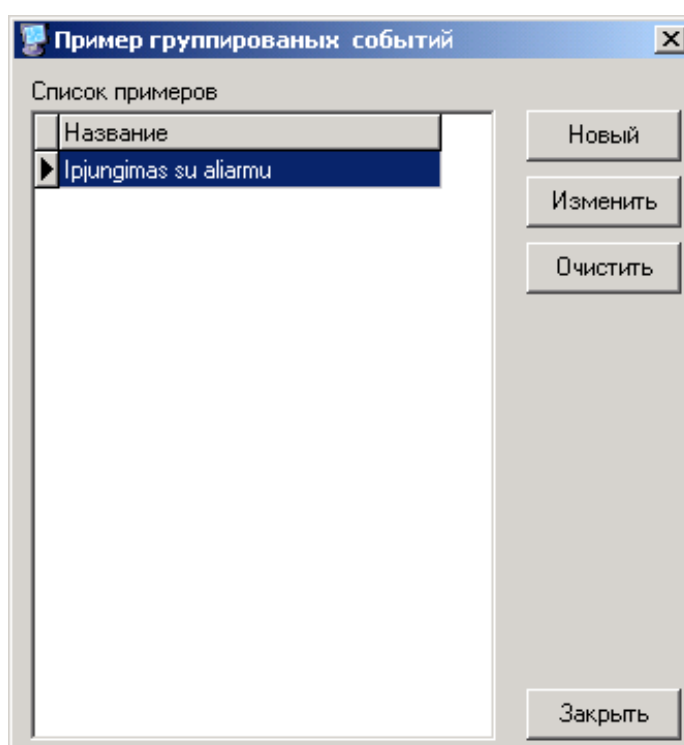
Command *Data – Note Example* is used to open window of typical notes of events. This will allow operator to rapidly find proper note under reaction. List may be supplemented with new notes as well as deletion of notes is possible.

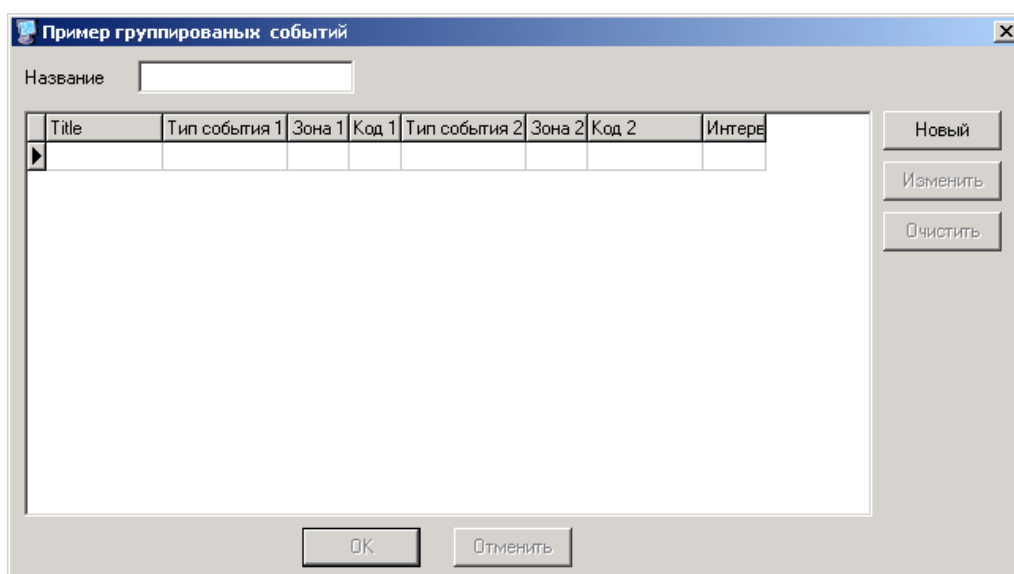


Command *Data – Event Example* is used to open window of event examples. It contains standard descriptions of events. This will allow a head of a station to indicate the examples as basis to display received messages. List may be supplemented with new examples as well as deletion of notes is possible. An examples itself also may be changed.

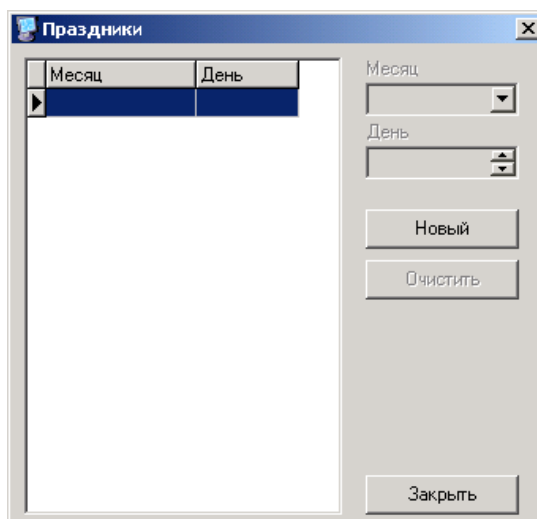


Command *Data – Example of grouped events* is used to open window of grouped events in order to establish grouped pairs. Under reception of grouped events during set time period, the programme automatically places them to window of events being processed without disturbance of operator.





Command *Data –Holidays* is used to open list of holidays including days when on/off control is deferent as usually.

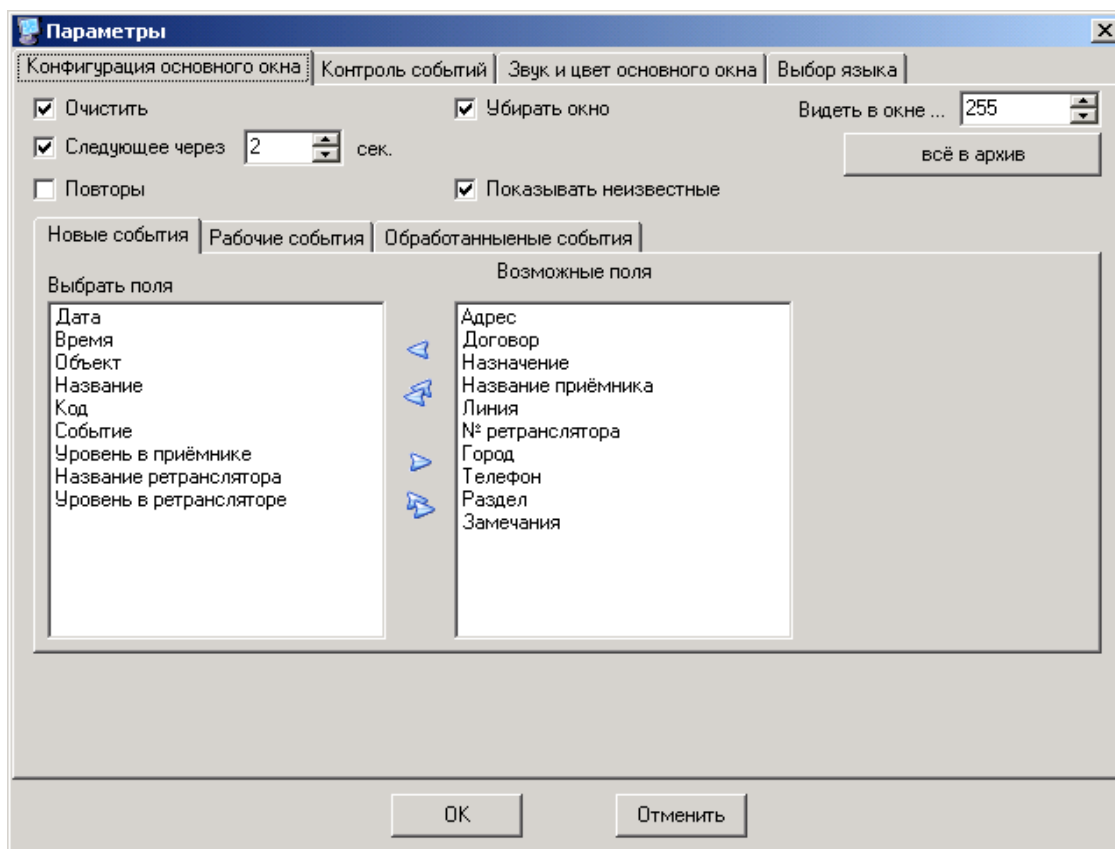


Command *Data – Seasonable time* is used to automatically change time test messages and on/off messages.

7.6. Setup of Main Window

Command *Configuration – Parameters* is used for setup of necessary properties of the Main Window.

Main Window configuration allows personnel to select information being displayed under reception of messages.



If checkbox [Clear] is checked it means that under new launching of application, messages from window of processed messages will be deleted from the window (transferred to data base).

Checked box [Next after] shows time period after which new message will be transferred to messages window;

Checked box [Repetitions] shows repetition of messages. If this checkbox is checked all repetitions will be visible. If this checkbox is unchecked, only first received messages are visible.

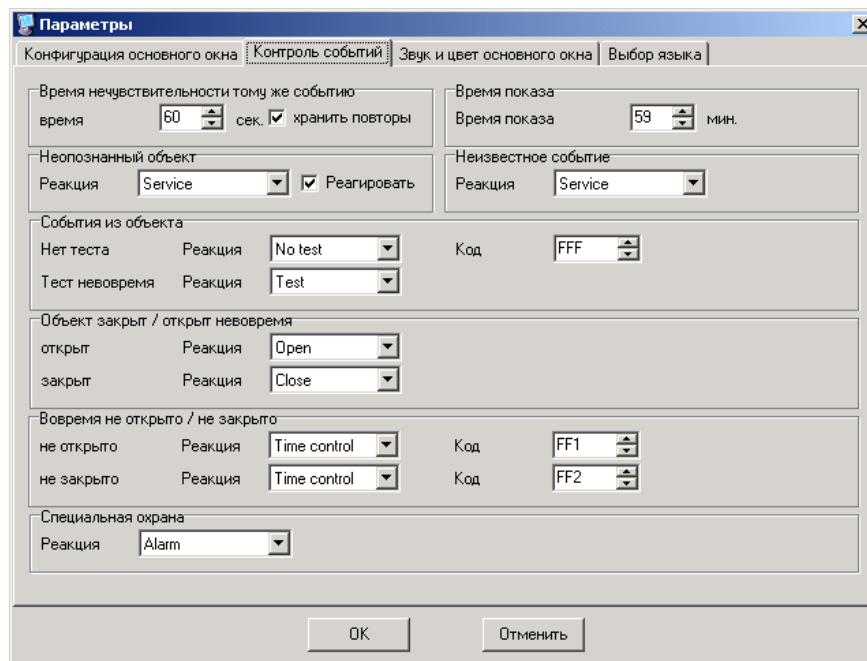
Checked box [Fade out window] indicates closed messages window at the moment of when there are no messages being processed and operator may see whole screen. If this box is unchecked – empty messages window will be displayed which will cover a part of the screen.

Checked box [Show unknown] allows displaying of messages from objects not included in data base.

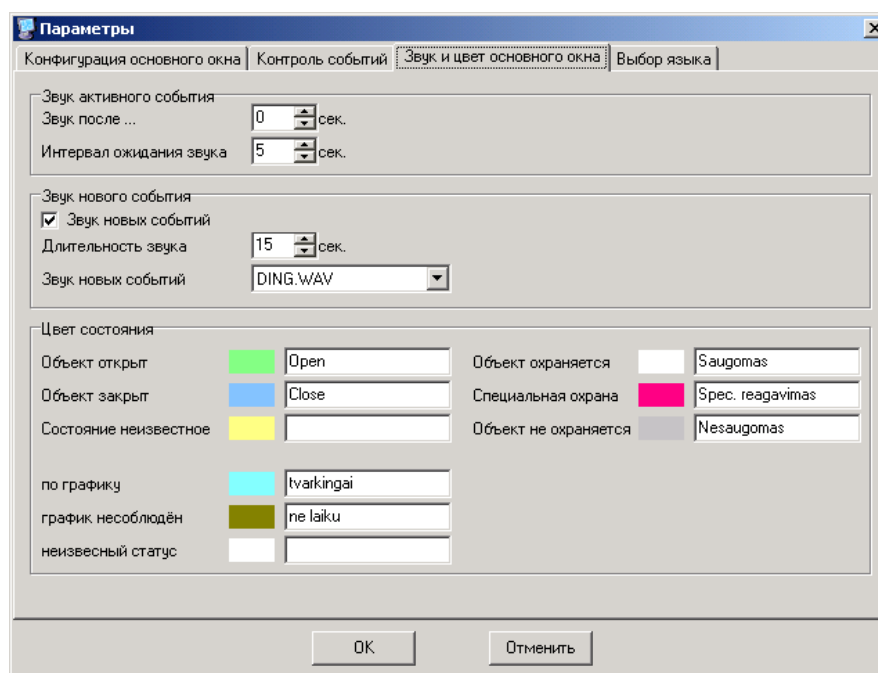
The field [visible in window...] shows number of messages visible on the screen. Other messages are possible to see via report window.

If received messages are not important, clear window by using key [put all into archive].

Events control – only some codes of messages are visible. Insensitivity time towards the same message is set in line with time of displaying message on the monitor. Usually parameters of this window are left unchanged.



Main Window Sound and Colour - this window includes sound parameters as well as parameters of state, graphic, colour and notes.



Box [sound after...] includes time period during which after reception of a message sound will be activated. Recommended time is 0 sec. Box [Interval of sound waiting] - indicates interval of sound waiting.

Window [Sound of new event] indicates whether a new event is accompanied by sound or not, as well as sound duration and melody. Recommendation is leave default settings.

Window [Colour state] indicates colour and note for object state. Colour change is set by double clicking and selection of new colour.

7.7. Preparation of reports

Report is concluded by using commands *Report – Events*.

Include period of reporting and time in the upper part of the window. Include number of objects (one or several) subject to reporting. Include number object or its name and other selection criteria. If number of object available in data base is indicated, the programme demonstrates its title and vice versa.

Select which messages you would like to see in report (from...till or selected).

Key [Select field] is used for setting of required size of field in a report.

Select report type.

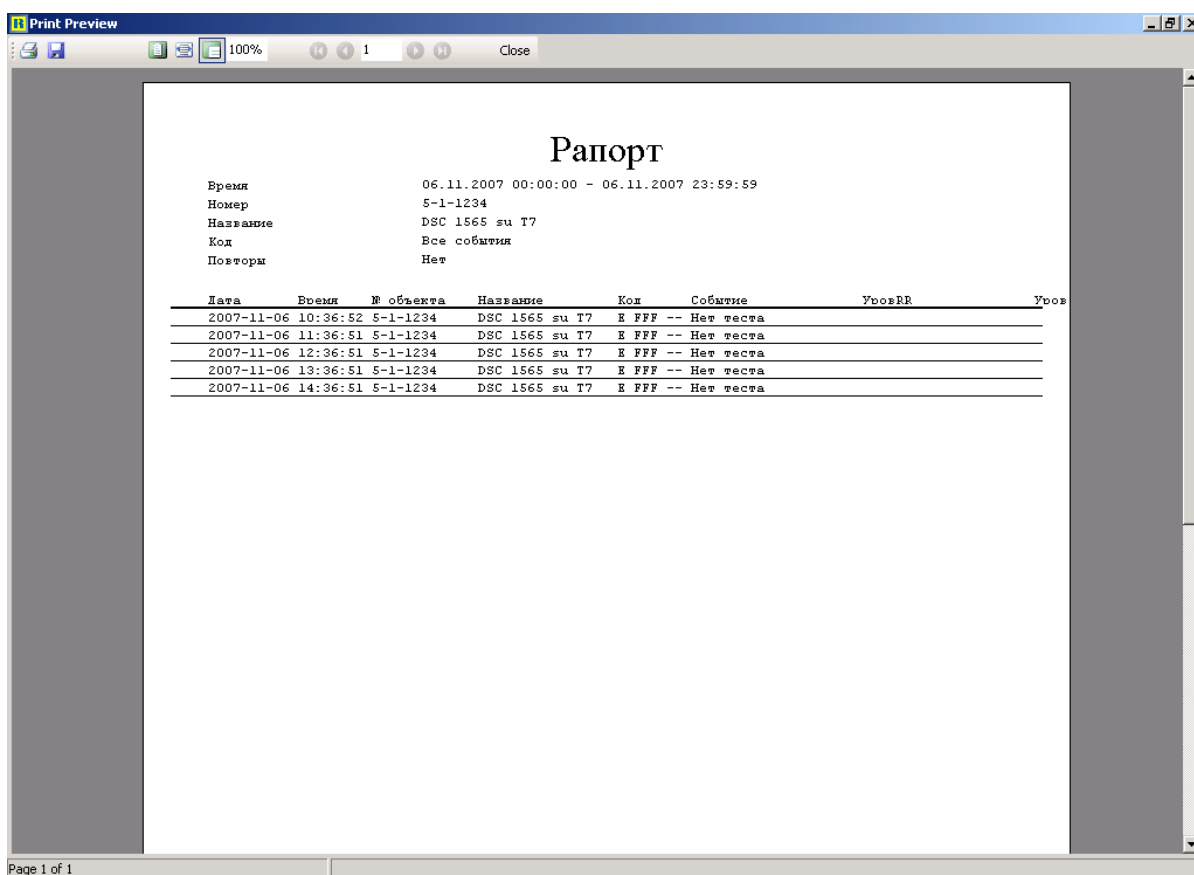
If not provided [from archive] a report will include data from the last week only.

Selection of criterion for conclusion of report should be performed (excluding reporting period) and programme will conclude report following set parameters.

Note!

If report preparation is performed for a long time, note indicated time period and current time.

It is possible to print received report as hard copy or to store it as separate soft copy, which later may be processed by using other applications or to store without editing.



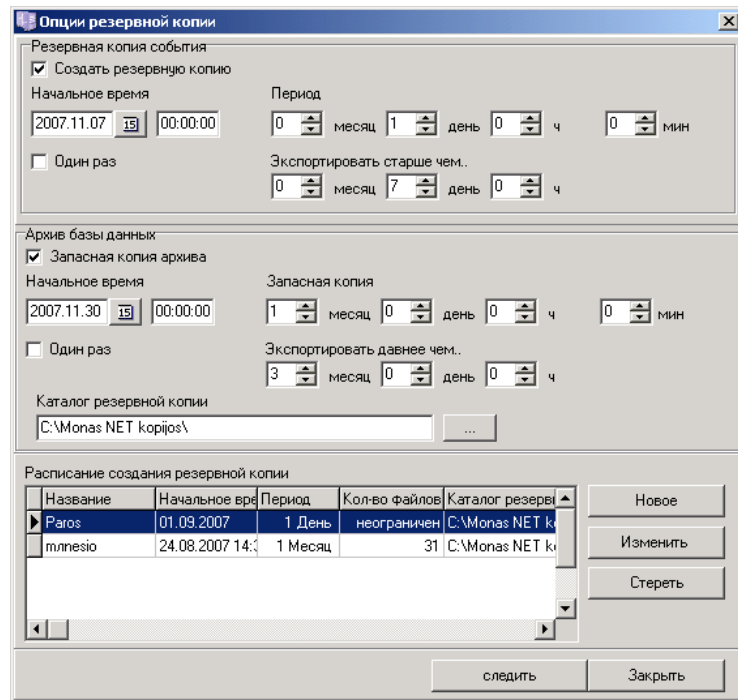
8. Copy and storage of data base

Copy and storage of data base is implemented by the application *Monas-NET server*. Full data base is comprised of three parts:

- Object forms, which include all described event codes and order of reactions.
- Operative messages, which are used for creation of short-term reports. After set time period old messages are transferred to the archive of events;
- Events archive where events are stored for along time and used for creation of long-time reports.

Operative messages are stored at least 24 hours, optimal period – one week. Messages archive – 3 months. Head of a station may select other periods for messages storage.

Command **Configuration** → **Options of backup** copies of data base is used to display window of backup copies.



Upper part of the window indicates time period for storage of information in RAM. In this part of the window includes creation of 24 hours copy and its storage during one week. After the oldest data are transferred to messages archive. Creation of copy under separate command is also possible.

When event is being copied time and storage period is available in the second part of the window. It is mentioned here that monthly copy is being compiled, which is stored during three months.

If backup archive copy is selected as [one], currently one copy will be made. If periodical creation and storage of a copy is necessary, timetable should be concluded.

Timetable sets periodicity for creation of copy and their storage place. Copies of data base can be necessary under restoration or transfer of data base.

New schedule is done by pressing [New]. Schedule includes schedule name, time period a copy is made for, size and place of file storage.

