SICEP

OPERATIONS CENTRE

MvsNET
NEW MANAGEMENT SYSTEM

The experience acquired and consolidated with the MVS DATA 9000 system has led to the development of **MvsNET**, an Operations Centre for expanding the functions and potential of the management system. The MvsNET system has been completely redesigned, with a hardware and software architecture designed to create a management system with the highest performance, maintaining and increasing the principles of multivectoriality, polifunctionality and modularity.

Structure of the MvsNET System

The MvsNET System consists of a PC server with a Linux operating system and one or more client PCs with Microsoft Windows operating systems. The server (mod. NET-SERVER) guarantees greater management stability and reliability, letting the operators access the system only through clients. To become MvsNET Client no particular characteristics or configurations are necessary as the MvsNET licences are the "float" type, in other words they allow enabling on the basis of the number of connections and not the type of machines connected. In the hypothesis of a fault on a Client PC, this architecture makes it simple to replace the same and temporarily use another computer. The management of the licences is the centralised type; the central server is always the control engine, which on the basis of the licences available, enables the various clients connected. Furthermore, the native Client/Server architecture gives you the highest performance in all conditions on LAN and WAN infrastructures (local and geographical networks).

Hardware Configuration

All the aspects of communication with the new multiprotocol concentrators are run and managed directly by the central server. This allows the continuous monitoring of the current activity, providing all the information possible on the state of progress of the requested operations for the concentrators.

Fully Redesigned User Interface

The new interface can be adapted to meet various requirements, as it is simple and easy to use, making the software very user-friendly to read and use. The new video resolution not only lets you have more information available at the same time, but also lets you organise it in a better way, making it easier to read and manage each event.

Online Help

Particular care has been taken to make the software as simple and intuitive as possible. The MvsNET System offers "online help" to quickly solve any doubts you may have on how to use the program. The help page shows the operations available, at the same time as the page the operator has opened, with tips on how to fill in the fields on the screen, the meaning of the same and the allowed values.

Custom Service Files

The MvsNET System lets you create custom service files on the basis of your operational requirements; the operator can set the title of the file, choose an icon from those available and define up to a maximum of 10 search fields.

Printing and Search Filters have been Enhanced

The structure of the MvsNET System events historics can manage 1,000,000 events per month. You can run searches without any particular limits on reports in a period of 12 months. Furthermore, there is an instrument available to quickly display the reports of a peripheral device in the last 30 days. The new search and filter mechanisms, combined with the custom print modules, let you display all of the useful and available information.

Full Tele-management

The MvsNET System can be completely managed and tele-managed from remote stations, connected through the network or phones using a modem.

MvsNET SOFTWARE LICENCES

NET-SERVER

MvsNET basic package.
Includes all the applications and the BASE server (mod. NET-SERVER)
unit for the management of integrated services in the security sector:

- Manages the archives, tickets, alarm services and events historics.

- Enables the following communication carriers:
  The SICEP MVS high-speed radio protocol on the multiprotocol concentrator,
  mod. SD-MPR, the phone protocols, GSM and GPRS (with the suitable
  interface, mod. SD-IFC).

- You can identify the geographical location of any user in the archive, after
  the suitable positioning on vectorial cartography (see NET-VECTOR.IT).

- Allows the manual or automatic transmission of coded text messages
  using the MVS protocol or on a GSM network with the "Short Message"
  service.

- By acquiring planimetry it can indicate the exact location of the
  anti-intrusion devices installed.

- Enables the system for the remote programming of the peripheral devices
  with SICEP MVS protocol.

- By installing 2 NET-BASE licences, the system can realise and configure
  a BACK-UP server, constantly kept up-to-date.

- Allows connection to 1 WS-CLIENT server.

- Makes the system available for tele-management from remote stations;
  with a suitable tele-assistance contract you can monitor, check and update
  the MvsNET System.

- Maintaining the principles of multivectoriality, polifunctionality, and modularity

- Native Client/Server architecture with Linux operating system

- System suitable for full tele-management with remote control

- 1,000,000 events per month effectively managed

- New hardware architecture with high performance

- Management structure enriched by a series of integrated and optional services

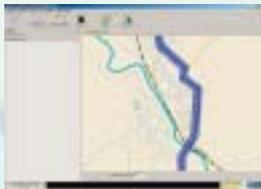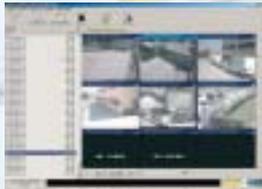# MvsNET SOFTWARE LICENCES

NET-VISION

MvsNET application software for video-surveillance. The system can receive images in the event of an alarm in Full-Screen, Quad or Octal mode, carry out manual or automatic interrogations at pre-established times and view the films recorded on the Hard Disk. The NET-VISION software has advanced instruments for the reception and management of the video peripheral devices, multiple displaying of the cameras, easy navigation and exporting the images. As well as for displaying this application, it lets you acquire the audio coming from the video peripheral devices equipped with the relevant interface.

The NET-VISION application uses switched phone lines, digital ISDN, TCP/IP (also ADSL) and GSM networks as communications carriers.

NET-GPS

MvsNET application software for the satellite localisation service. This system lets you check any moving vehicle with the GPS (Global Positioning System) satellite localisation network. You can protect and control all the vehicles connected to the system against theft, attempted robbery, aggression, etc. It also provides logistical information, including checking the position, the routes taken, the times and the speed of movement. The system has been optimised thanks to the use of more precise and detailed vectorial-type cartography. The position of the vehicle can be displayed when an alarm signal is transmitted by the same vehicle, or on the request of the Operations Centre. You can also set the preset routes to receive reports when the vehicles do not respect the set limits. The NET-GPS lets you display the fleet of vehicles present in the archive in real time, notably simplifying the activity of the operator in the Operations Centre. The NET-GPS application uses SICEP MVS high-speed radio protocol, GSM and GPRS as communication carriers.

NET-VECTOR.IT

Vectorial cartography with the largest urban and suburban centres in Italy. Supplied complete with toponymy, green areas, squares, hydrography (rivers and lakes). Using the relevant search fields you can quickly find a town or city and a particular square or road. Thanks to this new cartographic search engine, the NET-BASE management software lets you locate and identify the geographical position of any user in the archive.

Considering the possible evolutions regarding territorial coverage, in order to maintain a perfectly up-to-date cartography, the NET-VECTOR application software needs to be updated annually.

NET-TELSI

MvsNET application software for the management of the telehelp service. Using the appropriate personal data sheets with all of the medical and anamnestic data of the clients lets you perform an optimal telehelp service.

NET-TECNO

MvsNET application software for the management of technological plants. This lets you manage logic signals or analog values using the relevant service board, with alarm thresholds that can be configured.

NET-CLIENT (1/3/5/10 WS-CLIENT)

MvsNET licence for enabling Client stations. It is possible to connect 1 or more operator stations to the server in relation to the number of chosen connections (1, 3, 5, 10 WS-CLIENT). The NET-CLIENT licences are the centralised type; the centre server is always the control engine, which on the basis of the licences available, enables the various PCs connected. In the hypothesis of a fault on a Client PC, this architecture makes it simple to replace the same and temporarily use another computer.

NET-RADIOB

MvsNET software licence for enabling the management of the SICEP Low-Speed radio protocol on the multiprotocol concentrator, mod. SD-MPR.

NET-RADIOC

MvsNET software licence for enabling the management of the Compatible radio protocols on the multiprotocol concentrator, mod. SD-MPR.

MvsNET MANAGEMENT SYSTEM

PCA-GS
Autonomous Emergency Uninterruptible Power Supply

Compact, 1500 VA, uninterruptible power supply, able to guarantee an autonomy of up to 30 minutes depending on the load.

WS-CLIENT
Network Workstation for the MvsNET System

MvsNET network workstation. In reference to the number of Client licences enabled, it is possible to connect 1 or more operator stations to the central server in relation to the chosen connections (1, 3, 5, 10 NET-CLIENT). The unit is supplied with a Pentium 4 CPU, 256 Mb of Ram, a Hard Disk with a minimum of 60 Gb, CD writer, VGA video card, 10/100 Mbps network, LCD TFT 15" monitor, Windows 2000 Professional operating system, keyboard and mouse.
The NET-CLIENT licences are the centralised type; the Central Server is the control engine, which on the basis of the licences available, enables the various Workstations (mod. WS-CLIENT) connected.

NET-SERVER
Management Server Unit for MvsNET System

Supervisor SERVER unit for the management of integrated services in the security sector complete with MvsNET Management package. It has a controller system for 2 Hard Disks with a minimum of 60 Gb in RAID 1 configuration, 2 redundant power supplies with Hot-Swap technology and a Linux operating system.
The unit is supplied in an industrial case, with a Pentium 4 CPU, 256 Mb of Ram, a double Hard Disk with a minimum of 60 Gb, 2 redundant power supplies, Floppy Disk, CD writer, serial multiport card, VGA video card, 10/100 Mbps network and Linux operating system.
This configuration allows automatic mirroring of the data on both hard disks, monitoring of the Hard Disks and the continuous control of the temperature. The disks are permanently controlled by the installed software.

SM-A
Low-Tension Power Supply

Highly reliable, 13.8 VDC autonomous power supply producing a constant current of 12.5 A. Installed in a Rack of 3 units, it lets you supply power at 12 VDC to the radio or phone concentration units and any other accessories. The device has two dials on the front panel for monitoring the output voltage and the current absorbed.

You can deactivate all of the outputs with an emergency key. The unit comes with a 20 Ah battery to power the central unit even in a blackout.

SM-RTM
Phone Transceiver Radio Unit

Operations Centre transceiver radio unit. This unit consists of a 19" RACK with 3 units for a vehicular radio in the various versions (VHF or UHF), a LED front panel for monitoring the activity and the relevant interface for connecting other concentrators. The power supply is guaranteed by an internal 4.5 A, 13.8 VDC power supply for connecting the emergency battery, Mod. AE-24.

The unit is supplied programmed, complete with service microphone and loudspeaker, for phone connections with the patrols.

SD-MPR
Multiprotocol Radio Concentrator for MvsNET System

Multiprotocol radio concentrator for managing and using the following radio protocols, after enabling NET-RADIO:
• High-speed Sicep MVS (NET-SERVER)
• Low-speed Sicep (requires NET-RADIOB licence)
• Compatible (requires NET-RADIOC licence)

To operate it must be connected directly with the external radio case, mod. SM-RT. The connection to the MvsNET server is done through an Ethernet LAN; this has made it possible to improve and simplify the data exchange between the concentration unit and the management server.

The SD-MPR concentrator is installed in a Rack with 2 units; on the front panel there are some instruments for continuously monitoring the operation of the device:

• Reading of the deviation of the input signal (reception)
• Quality of the signal received, on a scale from 0 to 10
• Power supply: 230 VAC, 12 VDC, 5 VDC
• LAN network connection and activity on the IEEE485 internal bus
• Enabling of the single protocol
• Activity of the single protocol
• Transmission/reception state
• Audio monitoring of the signal received/transmitted through a loudspeaker (can be deactivated)

All the operating parameters of the multiprotocol concentrator can be configured directly by the MvsNET system.

SD-CT
Standard Phone Concentration Unit with 8 Lines

Concentration and standard phone signals processing unit with 8 lines: lets you receive the signals transmitted by the digital phone controllers and the alarm centres on a switched PSTN line. Ready to manage 2 lines at the same time, it can be expanded up to a maximum of 8 lines with additional boards, Mod. DT-MF2. The unit lets you display all of the signals received on the display on the front panel, or the SM-TV monitors. A printer can be connected to the concentrator to print records of the event on paper. The device also has software for controlling the survival of the phone transmitters. The unit is realised in a 19" Rack with 3 units.

SD-T2
Standard Phone Receiver with 2 Lines

Standard phone receiver with 2 lines managed by microprocessor. Using the normal phone lines, this device makes it possible to receive the signals transmitted by the digital phone controllers and by the alarm centres that use the most common communication protocols. The line can be expanded by installing a cascade connection of other receivers, Mod. SD-T2, up to a maximum of 254 phone lines. The 32 kbyte internal memory can store roughly 1300 events. It continuously checks if the line has been cut at zero cost.

There are Leds on the front panel to inform the operator on the current state of the unit: lines occupied, modem transmission-reception, etc.

The unit is installed in a 19" Rack with 1 unit and is supplied complete with:
• front led panel
• port for connection with management unit
• port for cascade connection with other SD-T2 units
• 32 kbyte events memory buffer
• cut line control.

KCG.29
Data Modem for GSM/GPRS Network

Modem for using the GSM or GPRS cellphone network for receiving data and alarms. The kit includes a GSM/GPRS Dual band cellphone module and the cables necessary for the installation. It requires a suitable data interface, mod. SD-IFC, a magnetic 900/1800 MHz antenna (Mod. AN-G9/18) and a SIM Card with a data contract.

SD-IFC
Radio Interface for Phone Lines

Necessary for receiving data and alarms directly from the MvsNET management system, coming from GSM and GPRS modems, mod. KCG.29. Requires a 12 VDC power supply.

MOD-TE.08
Phone Modem for ISDN Line

ISDN external phone modem with ONE SERIAL to use with the NET-VISION licence. Makes it possible to receive high-speed video images using a 64 Kbyte or 128 Kbyte ISDN channel. Supplied complete with power supply, RS-232 serial cable and connection for NT1.

MOD-TE.15
Phone Modem for Analog Line

External analog phone modem to use with the NET-VISION licence. Makes it possible to receive video images through normal switched phone lines . It can also be used on ARC-8-series peripheral devices. Complete with power supply and RS-232 serial cable.

MB-WS12
Linear 1240 mm bench
Worktop consisting of a 1240-mm linear desk.
Die-cast and welded sheet-steel frame complete with cable raceway with rear panel. Worktop, 30-mm thickness, made of chipboard, covered on two sides with high-resistance, melamine anti-reflection laminate, edges with grey PVC profile.
Supplied complete with adjustable feet and wheels.
Dimensions L1245xD900xH740 mm.

MB-WS18
Linear bench 1800 mm
Worktop consisting of a 1800-mm linear desk. Die-cast and welded sheet-steel frame complete with cable raceway with rear panel. Worktop, 30-mm thickness, made of chipboard, covered on two sides with high-resistance, melamine anti-reflection laminate, edges with grey PVC profile.
Supplied complete with adjustable feet and wheels.
Dimensions L1800xD900xH740 mm.

MB-AN45
45° angle
45° angle for the realisation of angular configurations. Complete with cable raceway. Worktop, 30-mm thickness, made of chipboard, covered on two sides with high-resistance, melamine anti-reflection laminate, edges with grey PVC profile.

MB-AN90
90° angle
90° angle for the realisation of angular configurations. Complete with cable raceway. Worktop, 30-mm thickness, made of chipboard, covered on two sides with high-resistance, melamine anti-reflection laminate, edges with grey PVC profile.

MB-AR13U
13-unit rack cabinet
13-unit rack cabinet for fitting under desk. The cabinet lets you house some racks near the desk.
Supplied on wheels, complete with front glass door and rear door.

MB-AR36U
36-unit rack cabinet
36-unit rack cabinet for fitting beside desk. The structure consists of a base, a cover and two load-bearing frames, with 19" rack uprights, rear and side panels for fixing to tables and for passing cables. With slots for natural ventilation, made of die-cast and welded sheet steel. Supplied on wheels, complete with front glass door and rear door.

MB-MO
Uprights
Pair of uprights for realising shelving that can be integrated with the linear worktops in the MB-WS series. Available in the following heights: H495 mm; H760 mm; H1030 mm.

MB-ME
Shelf
Shelf for realising shelving that can be integrated with the linear worktops in the MB-WS series. To install you will require the uprights, mod. MB-MO.
Available in the following sizes: L1008 mm; L1565 mm.

MB-CA
Chest of drawers
Chest of drawers for positioning under the desk with 3 or 4 drawers comprising 3 units.
Supplied complete with wheels, rear door and 3 or 4 drawers, depending on the model.