

Sigma Net Manual

Original Approval

Prepared by :	Sign and date	Checked by :	Sign and date	Approved by :	Sign and date
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This manual has been made for start-up and operation of Sigma Net supervisory panel
These works are standard that is recommended by manufacturer .
This manual contains the information about hardware installation and wiring connection.
If you need further information, contact to manufacturer

If this manual is revised or supplemented, we will distribute only the copy that is revised
through e-mail so that all distributors and contractors can easily update the manual

Composition

No.	Title	Control No.
1	Start-up	OST-SR-15-0

*When doing any kind of work, remember that prevention of accidents comes first.
Always follow appropriate local safety regulation and WWJSSS (World Wide Job Site
Safety Standard). Cooperate with others in the building to keep up and improve safety.*

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1 Overview

1.1 General Description

The “**Sigma NET**” is a web-based application developed to replace the existing Windows based Sigma NET for OTIS and SIGMA products

In general, all of the features and functionality of the Sigma NET system have been included or enhanced

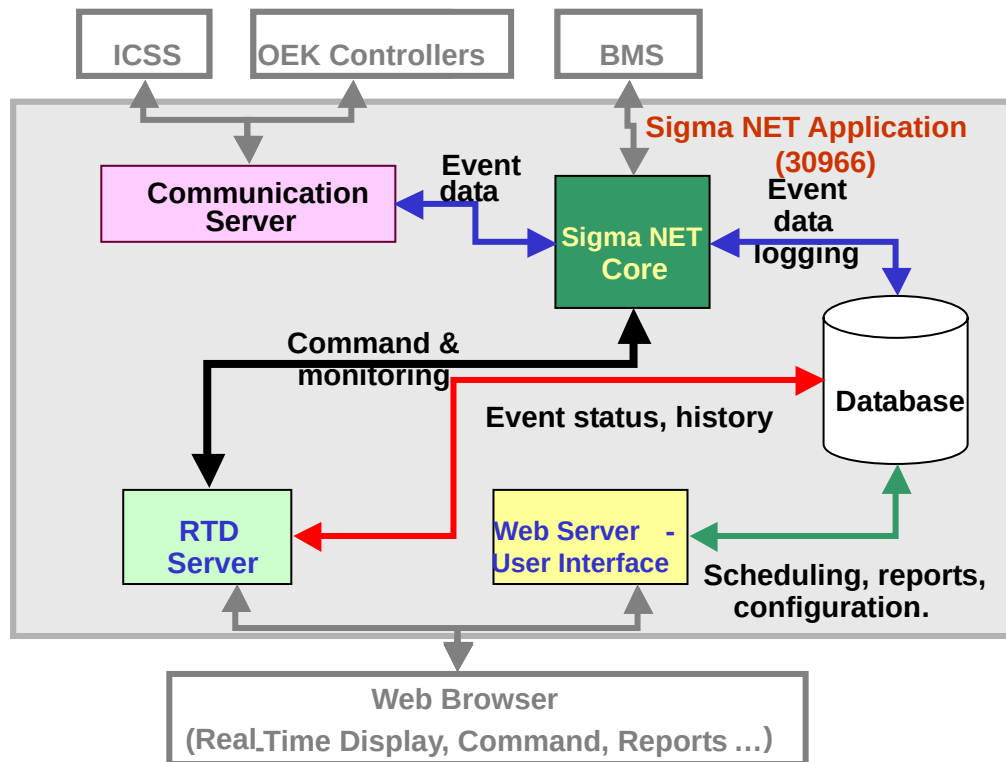
1.2 System Composition



Sigma NET is designed to be 100% compatible with Window EMS 1.2, 1.6 and 1.7 on-site systems

- a. **Database** is the Sigma NET database that contains all the configurations, usage history, vent history and etc. The default database name is NGEMS
- b. **User Interface** refers to Sigma NET web server application. It contains all the ASP pages and Java Applet associated with the Sigma NET application
- c. **Communications Server** is the Sigma NET application that manages the communication between the Sigma NET server and any ICSS units or a Communication card.
- d. **Core** is the core business logic in the Sigma NET application that processes the exchange of data and information between communications server and Database
- e. **Real-time Display (RTD) Server** is Java application that handles the connection with clients and manages real-time display, control and playback between User Interface and other server applications

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1.3 KAA30966AAA (Version 6.0) EMS Panorama

If the Sigma NET system is currently running previous version, uninstall completely before installing new version.

Broadly speaking each install involves copying of files to the destination computer, registering DLLs and type libraries, and updating registry entries

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2 Connection

2.1 Preparation

2.1.1 Communication wire

Connection of Sigma Net is in the same method with CRT Supervisory Panel

Communication wire is very weak for electric noise. So, must buy shield wire.

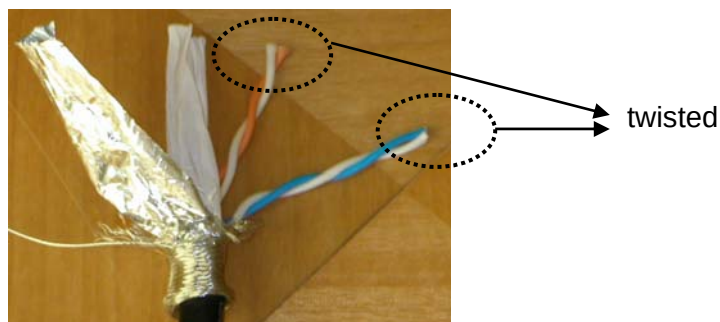
a. Communication wire type : UL2919 (Standard No.) Refer to <Figure. 1.3.1>

b. Standard : 2P * 2AWG

c. Ground wire : 7/0.254

d. Al/Mylar tape thickness : 0.025 mm

e. Insulation thickness : 0.55 mm

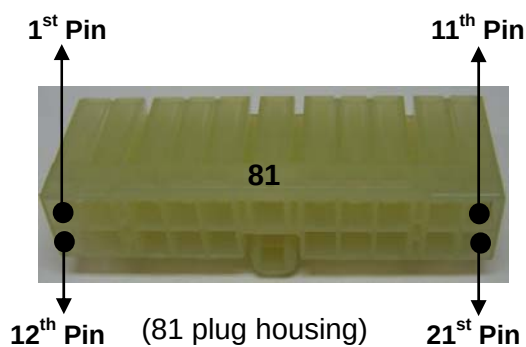


<Figure 1.3.1>

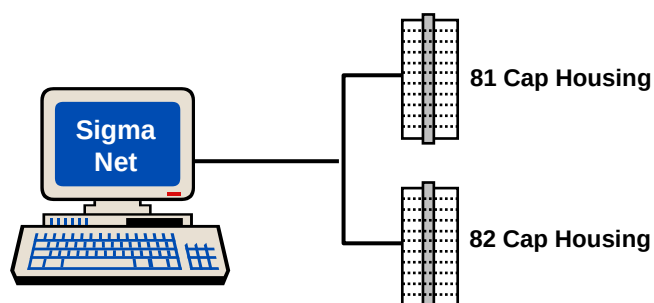
2.1.2 21 Pin plug housing

a. 81 plug housing have 10 communication ports

b. 82 plug housing have 2 communication ports



(82 plug housing)



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2.1.3 Terminal & Crimping pliers

a. Control panel side

Connect the communication cable firmly to reduce the contact resistance

(If there is something wrong at contact point, communication fault may occurred)

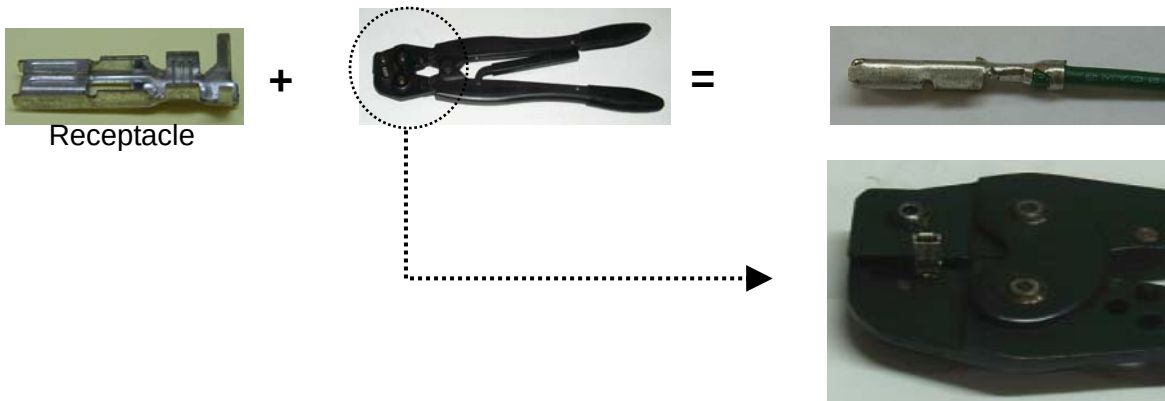


b. Sigma Net side

Connect the communication cable firmly to reduce the contact resistance

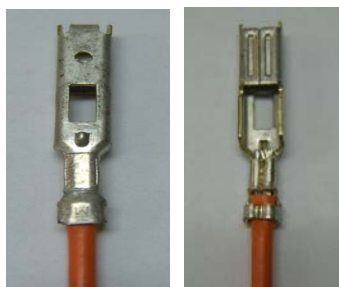
(Must use AMP crimping pliers as below picture)

(If there is something wrong at contact point, communication fault may occurred)



Receptacle

(Crimping pliers for receptacle)



(Good condition)

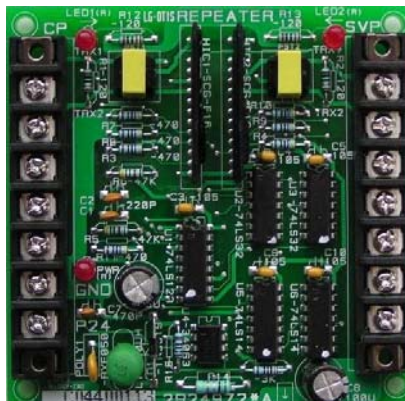


(Bad condition)

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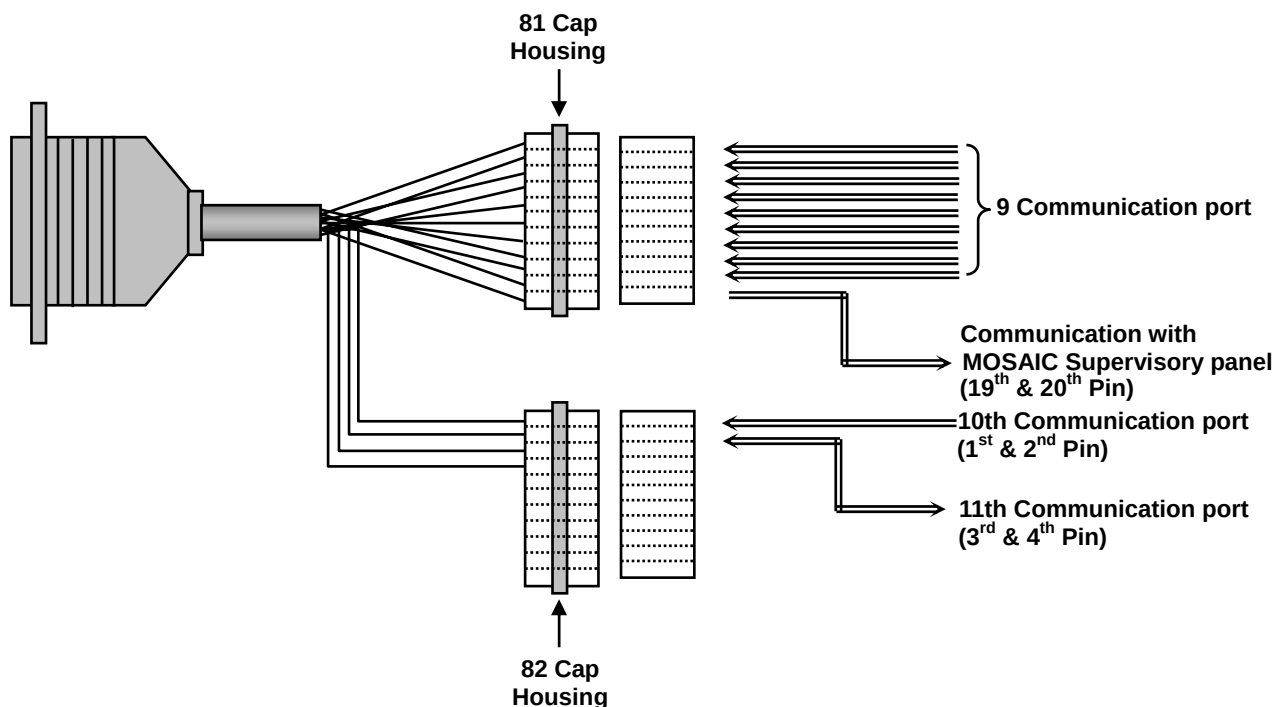
2.1.4 Repeater PCB

It might occur that the communication is not accomplished normally in case that there are a lot of lifts or the distance between the supervisory panel and the lift control panel is far. In these cases, you must use Repeater. (Refer to 2.5)



<Repeater PCB>

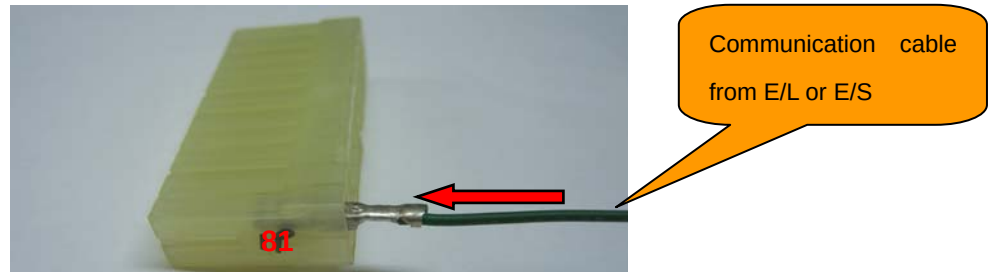
2.1.5 Communication cable ASY



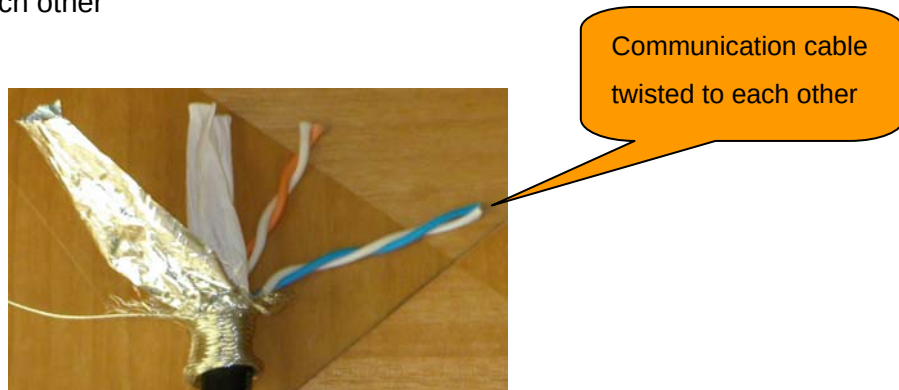
<Figure 2.1.2> Communication cable ASY

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a. Connect the communication cable as below picture



b. Generally one communication cable is composed of 2 strings. Blue and white string is a pair with twisted to each other



c, Maximum 11 communication cables can be connected in sequence.
Refer to Figure<2.1.2>

d. 82 cap housing is used for communication port with mosaic supervisory panel or assistant supervisory panel(Sub). Sub supervisory panel is not connected to lift control panel and connected to the communication cable with main supervisory panel(Main).



Supervisory Panel

Part

Sigma Net

Ctrl. No.

OST-SR-15-0

FOD

Overseas Support Team

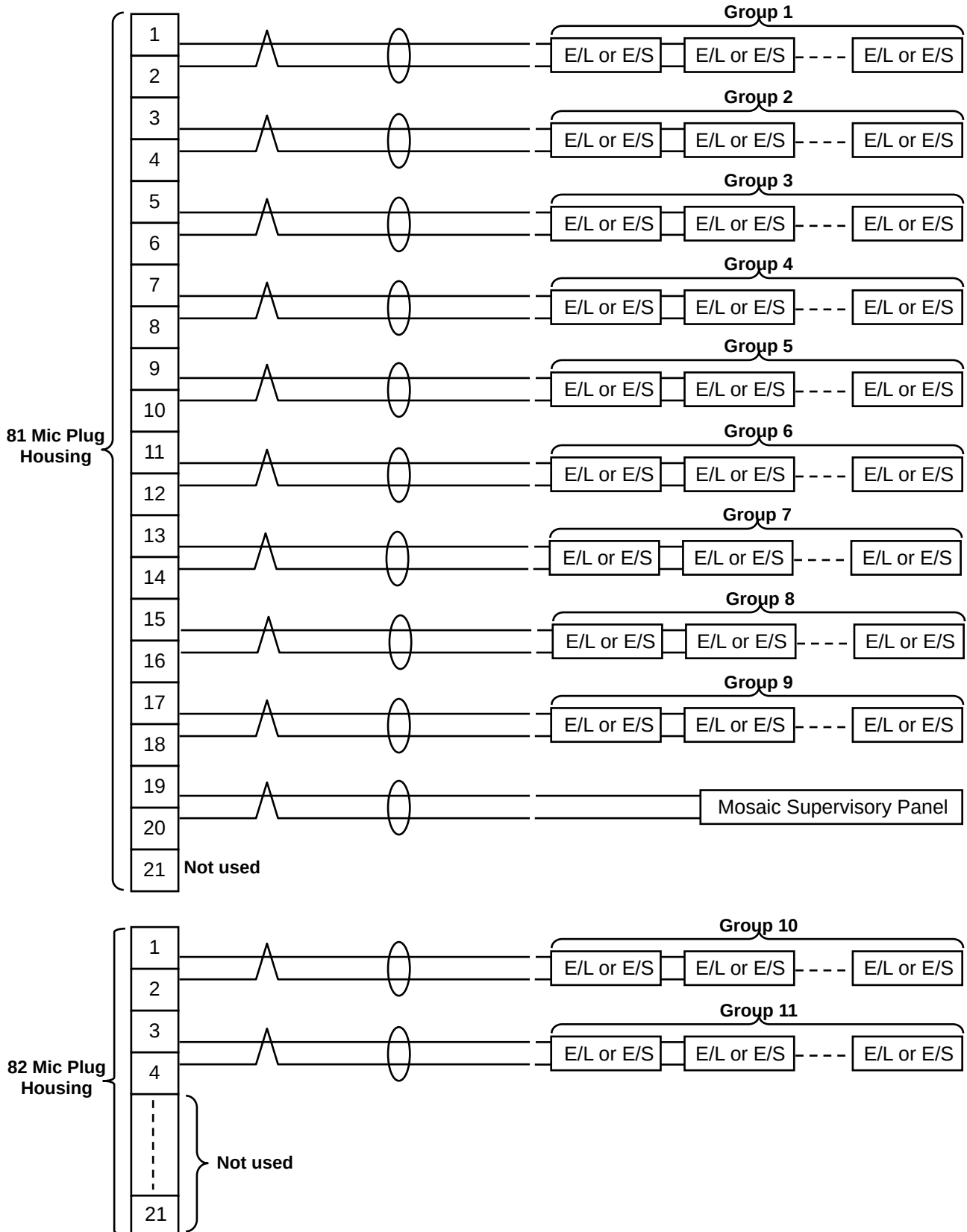
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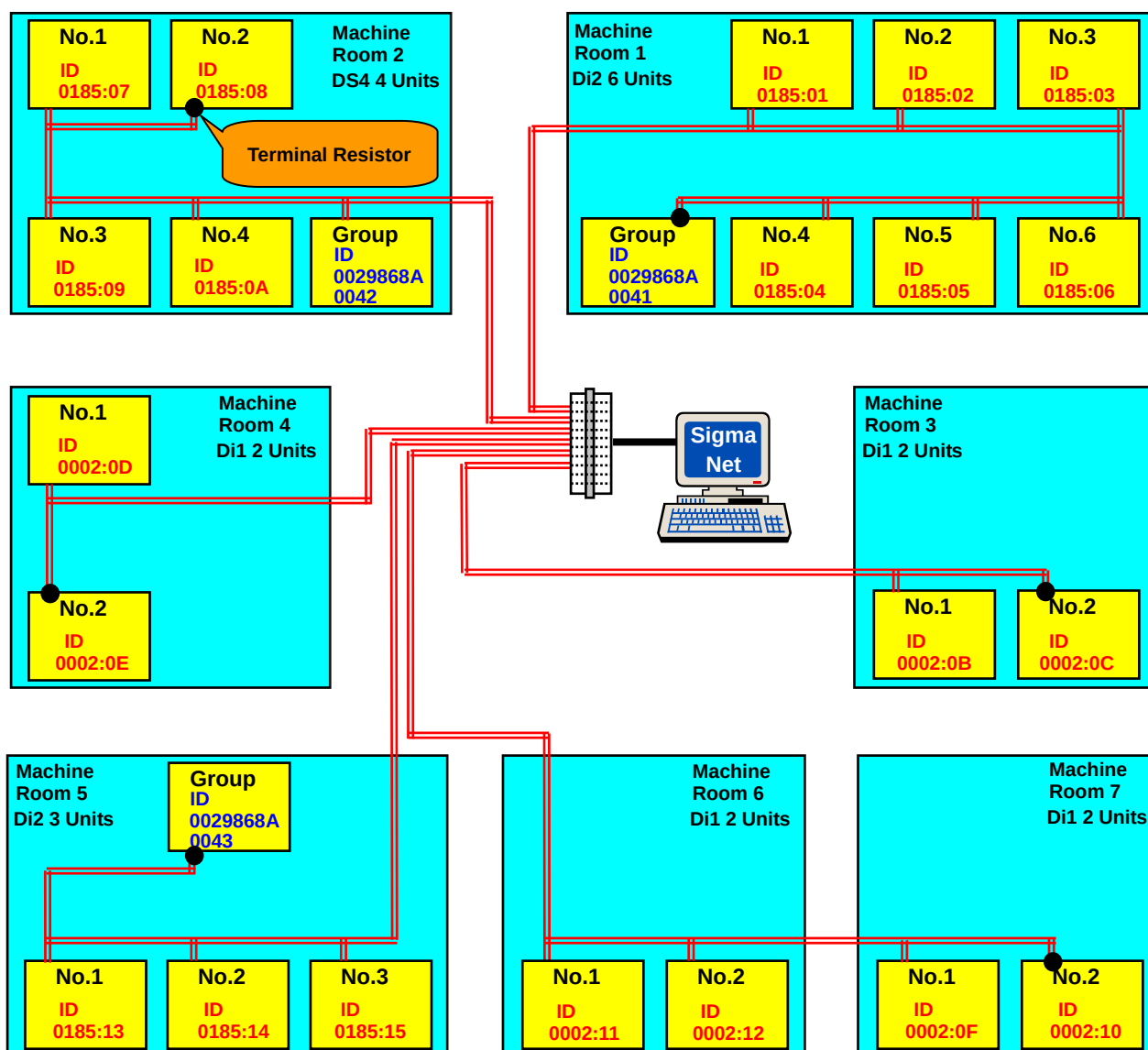
	Supervisory Panel	Part	Sigma Net
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2.2 Connection of communication cable

2.2.1 General connection

<Figure 2.2.1> is an example of the communication cable wiring. Communication cable wiring is accomplished according to the number of the machine room. So, the quantity of communication cable which leads to the supervisory panel is same as the quantity of machine room.

If the quantity of the machine room is over 11(it is possible that 11 communication cables are connected to port), make the number of communication cable to 11 by connecting communication cable to each machine room.



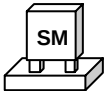
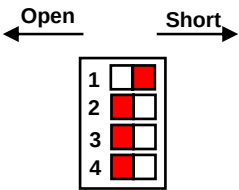
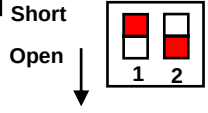
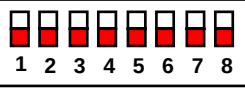
<Figure 2.2.1> Connection diagram of Sigma Net

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2.2.2 Caution for connection cable

- The metal type of duct should be applied to communication cable wiring.
And the duct must be grounded surely
- Do not pipe the communication cable in one duct with power cable
- Avoid the communication cable from noise source like high voltage cable, magnetic field or electric radiation device.
(In case there is noise source near communication wiring route, Ask to factory designer to get an advice)
- The shield wire of communication line must be grounded to earth panel of building side
- Connect the communication cable firmly to reduce the contact resistance
- Do not connect the extra wires at communication port
- Use 1 line for Tx and Rx (2 line connection for Tx(or Rx) is bad for communication)
- Set the terminal resistor at the ends of communication line.
- Set SIGMA NET ID at the each control panel

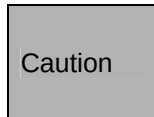
<Table 2.2.2 Terminal Resistor>

Model	Control panel type	PCB	Terminal Resistor	ID for CRT
Di1	Si 210	DOC-130	SM Jumper 	Address: 0002
Di2	Di 310	DOC-220	Dip SW2-1 st Pin 	Address: 0185 Address: 0029868A
DS4	Di 411			
Di5	Di 420			
HY	Mi120			
Group	DGS-700			
E/S	SEC & SCT	EOC-300	Dip SW S1-1 st Pin 	Dip SW S3 

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2.3 Di model and DGS-700 work

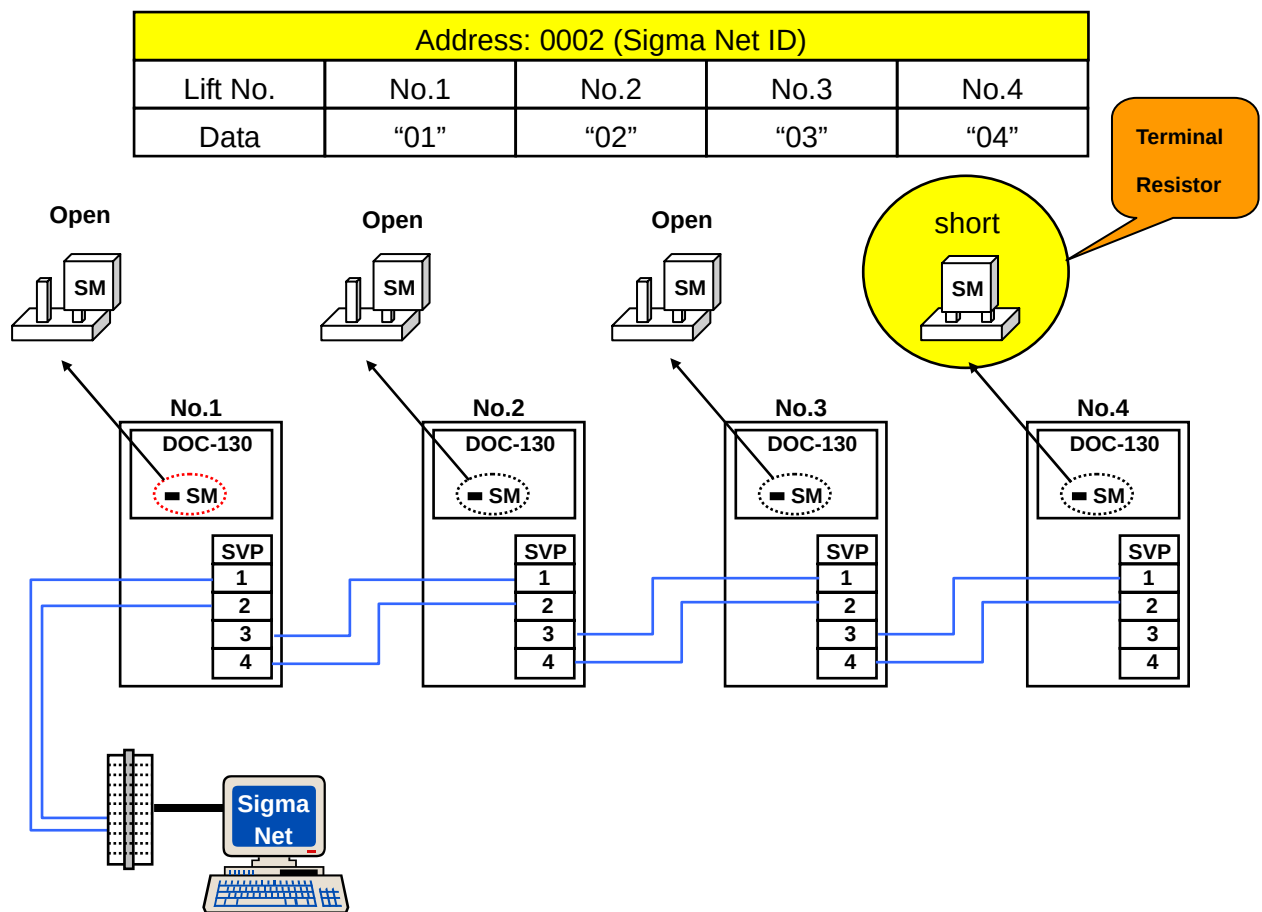
Refer to the wiring diagram of '2.2.1 communication cable wiring' according to Di control panel type. Install in turns as described in below. Some control panel and group control panel can be configured in one communication line.



The state of connection and communication must be inspected while the Sigma Net program is operating.

2.3.1 Si210 & Si230 (MRL) Control panel

- Communication connection point: SVP plug housing
- Terminal resistor setting: SM Jumper Pin of DOC-130
(The last lift in each lift group must be 'short' the terminal resistance)
- Sigma Net ID: ID can be set by spec (Address : "0002")



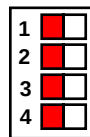
<Figure 2.3.1>

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2.3.2 Di 310 & Di 411, Di 420 Control panel

- Communication connection point: 40T2-39 & 40
- Terminal resistor setting: Dip SW2-1st Pin of DOC-220 PCB
(The last lift in each lift group must be "short" the terminal resistor)

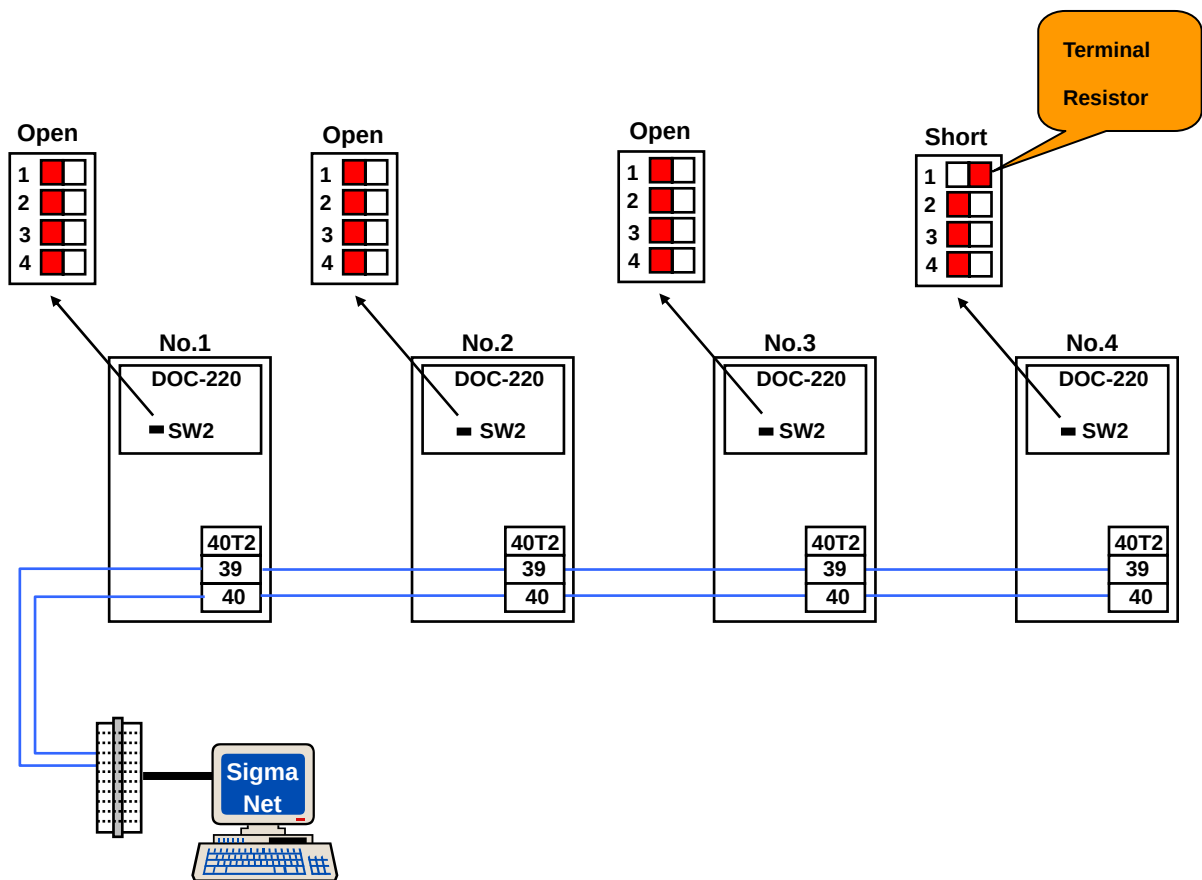
Open ← ————— → Short



Dip SW2-1st Pin of DOC-220

- Sigma Net ID: ID can be set by spec (Address : "0185")

Address: 0185 (Sigma Net ID)				
Lift No.	No.1	No.2	No.3	No.4
Data	"01"	"02"	"03"	"04"



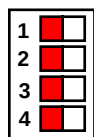
<Figure 2.3.2>

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2.3.3 Group control panel (DGS-700)

- Communication connection point: 40T1-39 & 40
- Terminal resistor setting: Dip SW2-1st Pin of DOC-220 PCB
(The last DOC-220 PCB in group control panel must be "short" the terminal resistor)

Open ← ————— → Short

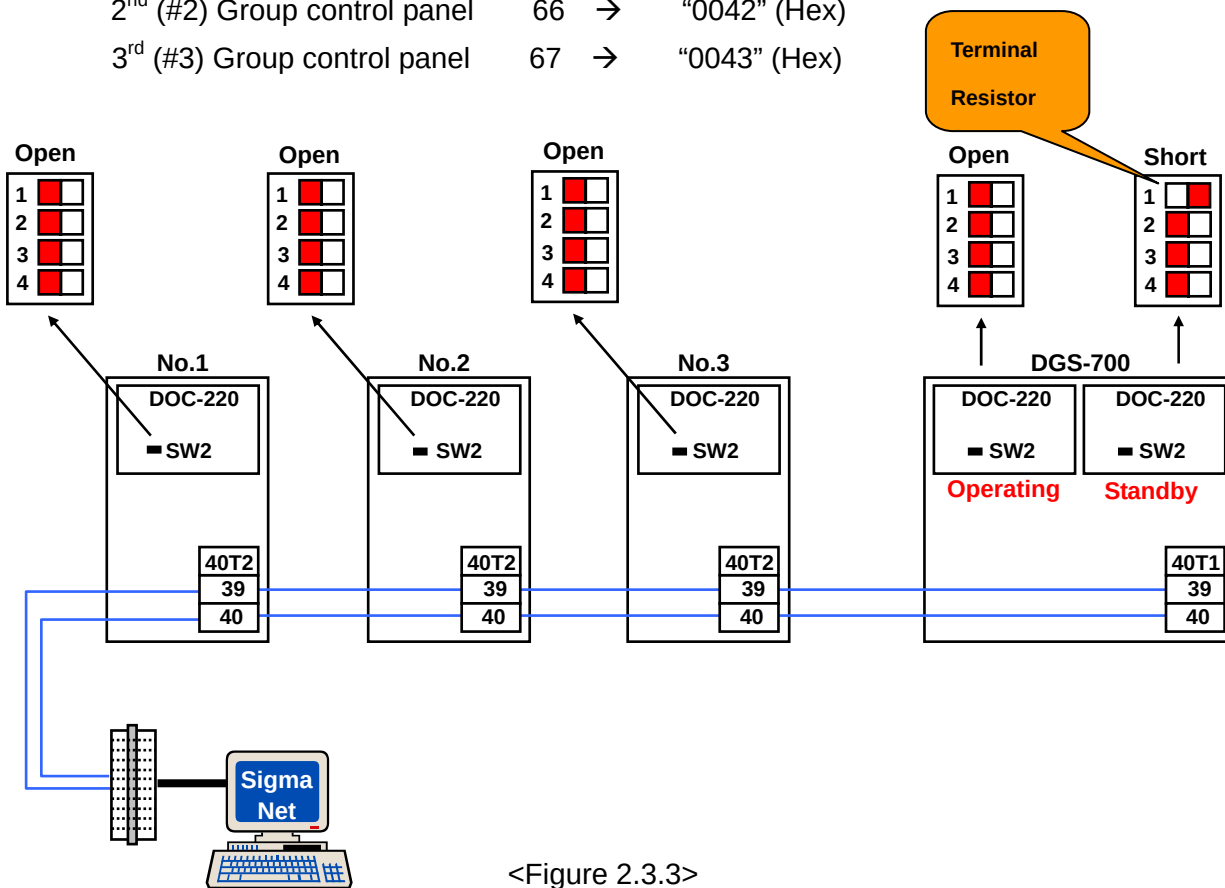


Dip SW2 of DOC-220

- Sigma Net ID: ID can be set by spec (Address : "0029868A")

Address: 0029868A (Sigma Net ID)			
Group control panel No.	#1	#2	#3
Data	"0041"	"0042"	"0043"

- | | | | |
|--|----|---|---------------|
| 1 st (#1) Group control panel | 65 | → | "0041" (Hex), |
| 2 nd (#2) Group control panel | 66 | → | "0042" (Hex) |
| 3 rd (#3) Group control panel | 67 | → | "0043" (Hex) |



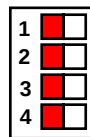
<Figure 2.3.3>

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2.3.4 HY Model (Mi120 control panel type)

- Communication connection point: 12L-23 & 24
- Terminal resistor setting: Dip SW2-1st Pin of DOC-220 PCB
(The last lift in each lift group must be "short" the terminal resistor)

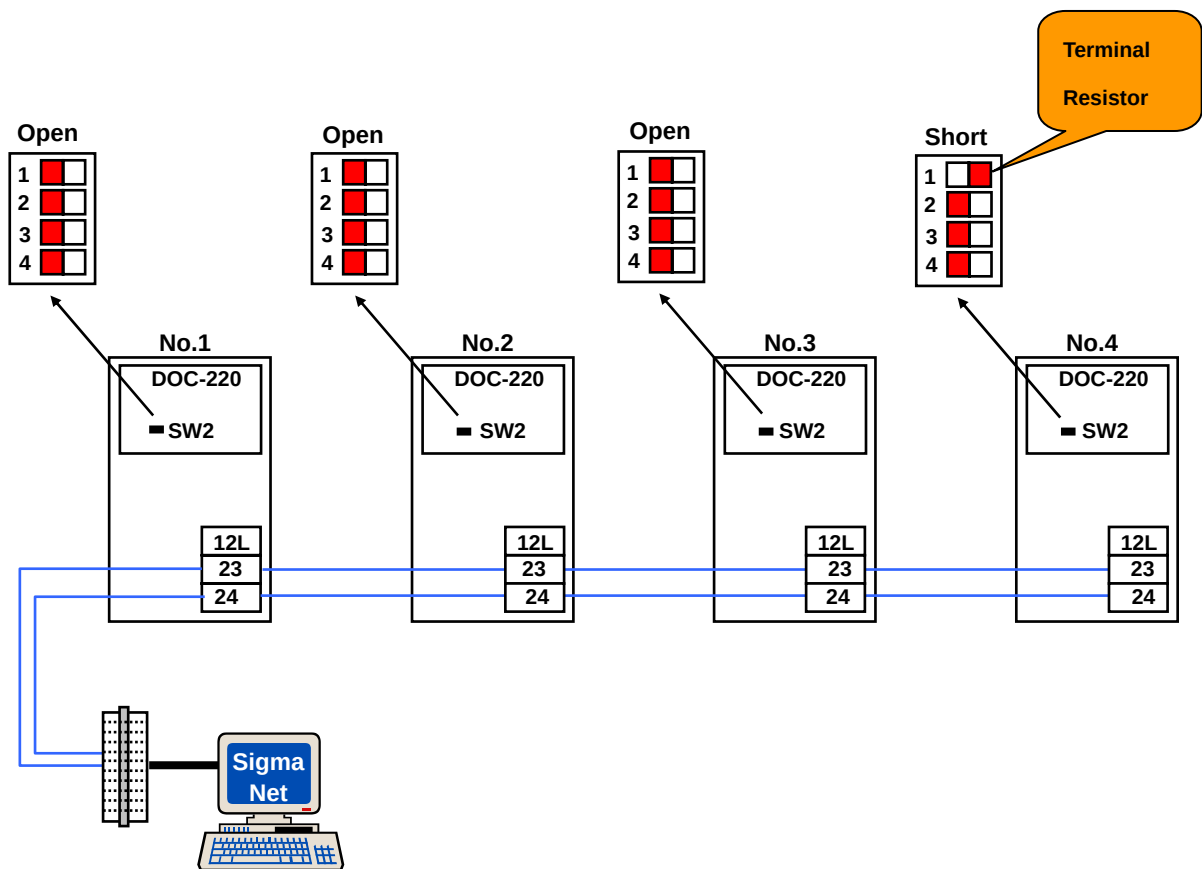
Open ← ————— → Short



Dip SW2 of DOC-220

- Sigma Net ID: ID can be set by spec (Address : "0185")

Address: 0185 (Sigma Net ID)				
Lift No.	No.1	No.2	No.3	No.4
Data	"01"	"02"	"03"	"04"



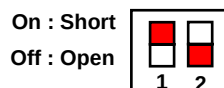
<Figure 2.3.4>

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2.4 E/S & M/W work

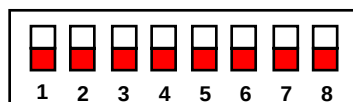
2.4.1 ES(SCE & SCT) model

- Communication connection: 1st & 2nd pin of SEC Mic
- Terminal resistor setting: Dip SW S1-1st Pin
(The last lift in each lift group must be "short" the terminal resistor)

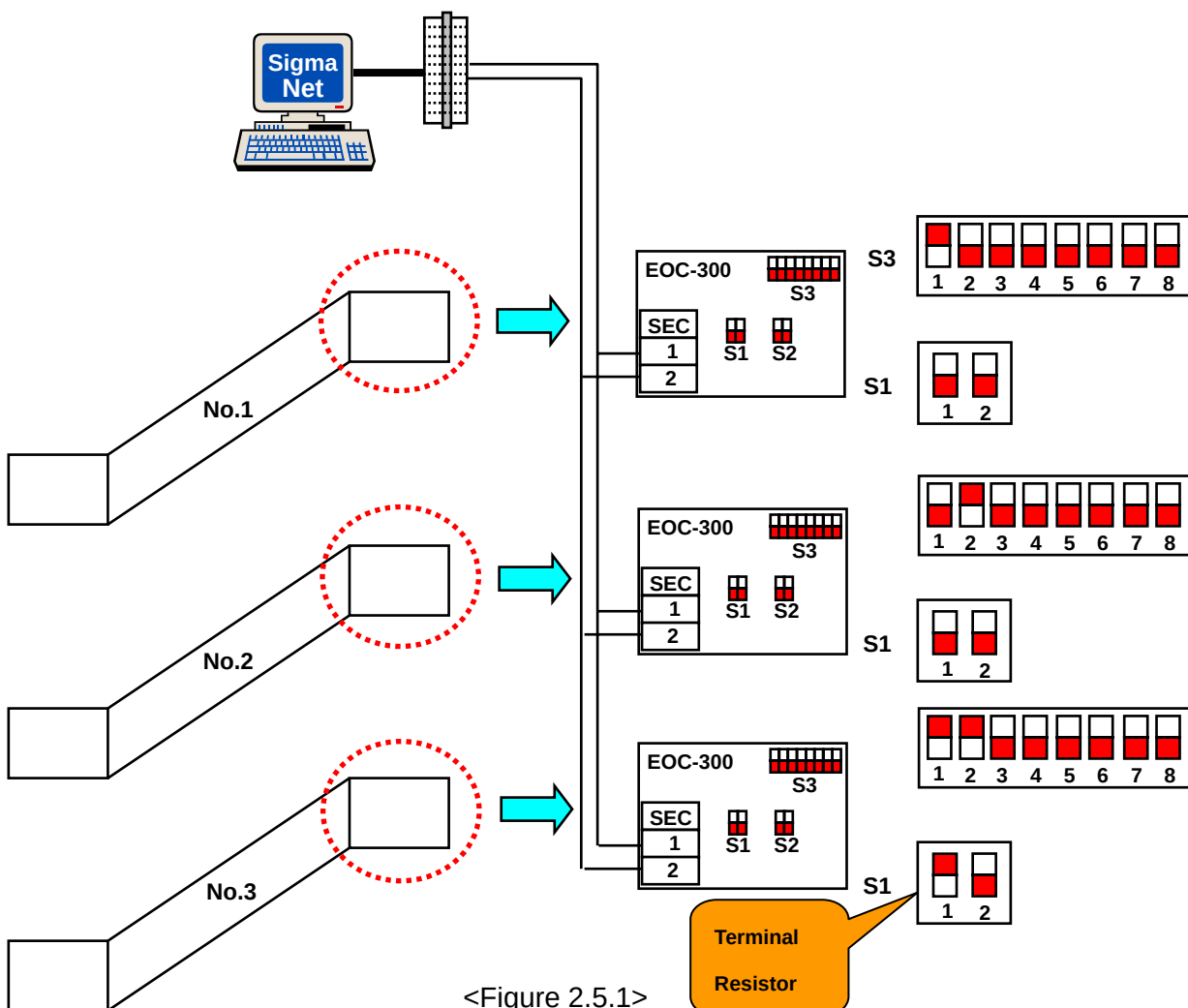


Dip SW S1 of EOC-300

- SIGMA NET ID: SIGMA NET ID can be set by Dip SW S3



Dip SW S3 of EOC-300



<Figure 2.5.1>

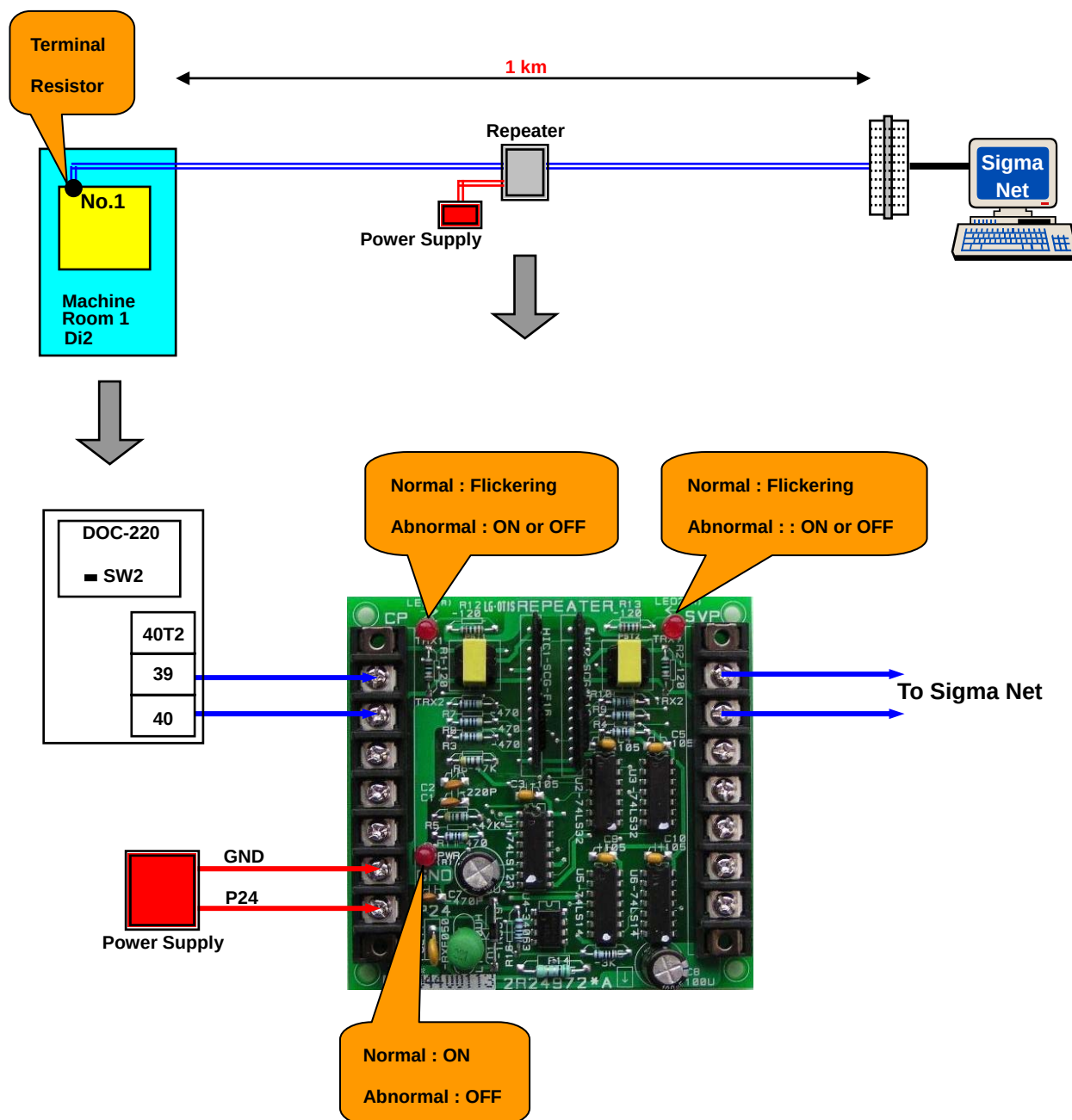
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2.5 Installation & connection of Repeater PCB

It might occur that the communication is not accomplished normally in case that there are a lot of lifts or the distance between the supervisory panel and the lift control panel is far. In these cases, you must use Repeater.

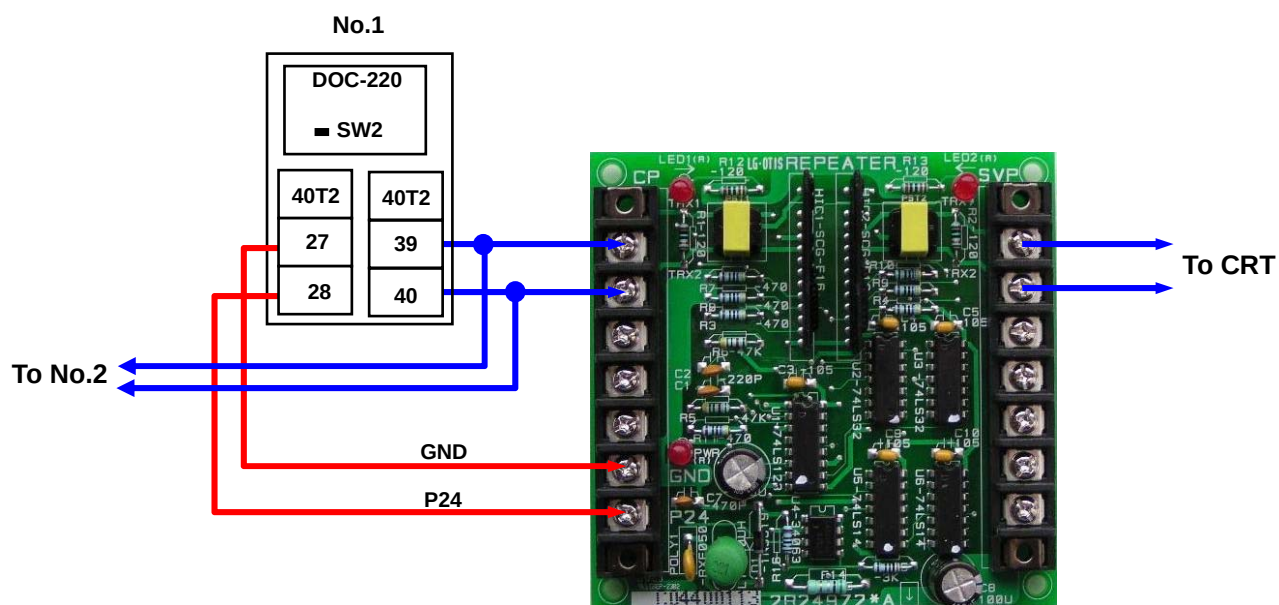
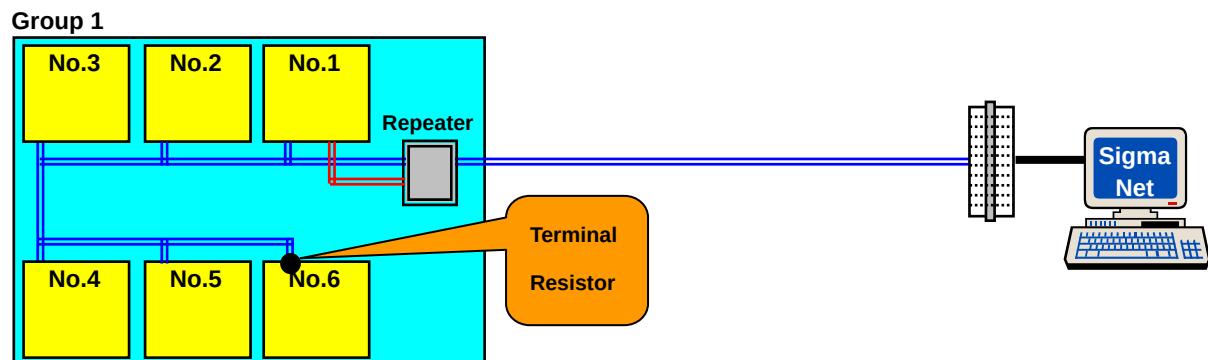
In this case, use Repeater PCB.

2.5.1 A repeater is applied to SIGMA NET system in case the communication distance is over 1km
for one lift



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2.5.2 A repeater is applied to Sigma Net system in case that there are a lot of lifts

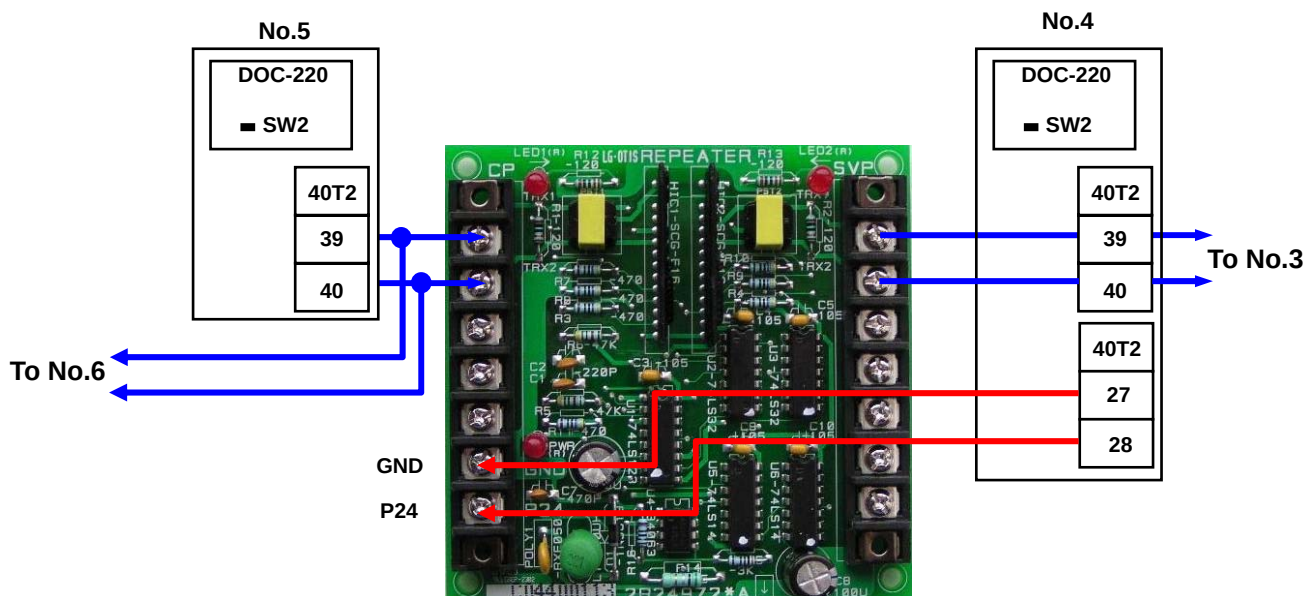
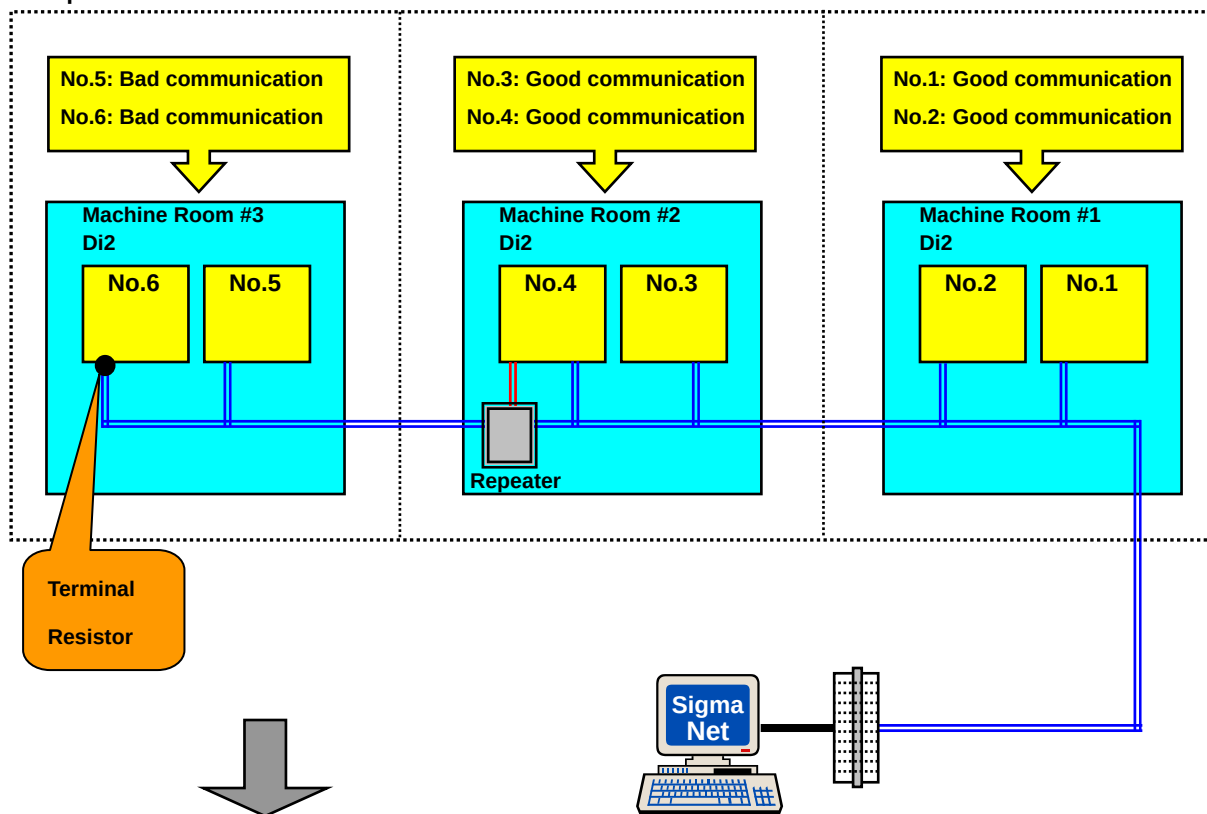


<Figure 2.6.2>

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2.5.3 In case that the communication status to lift No.4 in machine room #2 is good and lift No. 5 in machine room #3 is bad of ' Group 1 'in <Figure 2.6.3>, you need to install a Repeater PCB to control panel of No.4 lift.

Group 1



<Figure 2.6.3>

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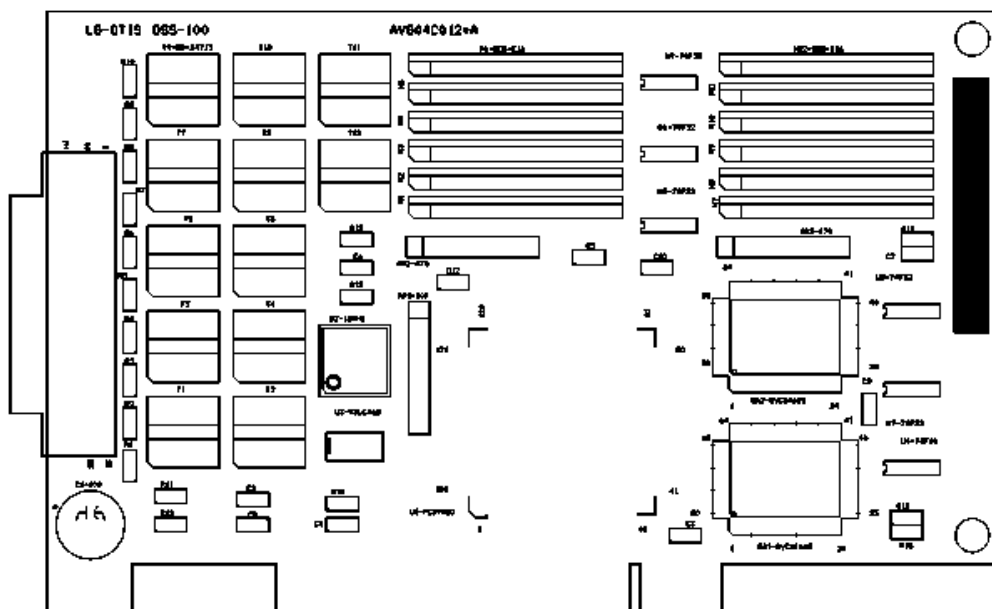
2.5.4 Reference

- A repeater is applied to SIGMA NET system in case the communication distance is over 1km for one lift.
- In case 2 or more lifts are configured in one communication line as a node increment factor, it affects on the communication impedance. So, the quantity and distance of repeater application is variable. Therefore, it needs to check real communication status always to find the repeater position.
- The quantity of communication node and 'R.L.C' factors affect on the communication impedance. Because these condition, lift units, distance and impedance, are different each field, the exact position for repeater cannot be described on the manual.

2.6 DSS-100 PCB (Communication Board)

DSS-100 PCB is a communication card which is attached to the supervisory panel main system (Computer).

2.6.1 PCB outside view



<Figure 2.7.1>

2.6.2 Drive file of DSS-100 PCB: atsys.inf & atsys.sys

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3 Pre-installation Requirement

Read these instructions carefully before beginning the installation.

You are provided with a CD for Sigma NET KAA30966AAC installation.

Your computer must meet the hardware and software requirements for server computing platform before you attempt to install Sigma NET.

NOTE: Operating System and Web Server Software must be installed on server computing platform before installing Sigma NET application.

Category	Class	Minimum Specification	Vendor
Server Computing Platform	Hardware	CPU: Pentium 800MHz, RAM: 512MB HDD: 40GB	Not Applicable
	Operating System	Windows 2000 Professional, Service Pack 3 or Windows XP	Microsoft
	Web Server Software	Internet Information Server 5.0 (IIS) Note) Built in Operating System	Microsoft
	Display Monitor	Minimum resolution is 800*600. 1024*768 is highly recommended	N/A

Sigma NET supports 16 languages with the following: English, Korean, German, French, Portuguese, Spanish, Polish, Russian, Japanese, Chinese (Traditional, Simplified), Danish, Swedish, Finnish, Czech, Slovak and Italian

The pre-installation tasks are described for Sigma NET Applications.

Windows 2000 Professional (Service Pack 3 or later update).

- Internet Information Service (IIS5.0) for windows 2000 Professional
- Refer to section 2.1 for Installing Internet Information Service if needed.
- Microsoft Internet Explorer 5.5 or above
- Refer to section 2.2 for installing Internet Explorer 6.0 if needed.
- Latest Windows Security Update
Click '**Start**' → '**Windows Update**' on the Start menu of Windows.
- Latest Virus Vaccine patch
you must at least get patch for Blaster Worm virus for each language of Operating System.

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NOTE: You must make sure all the required software above is to be installed prior to installing of Sigma NET software.

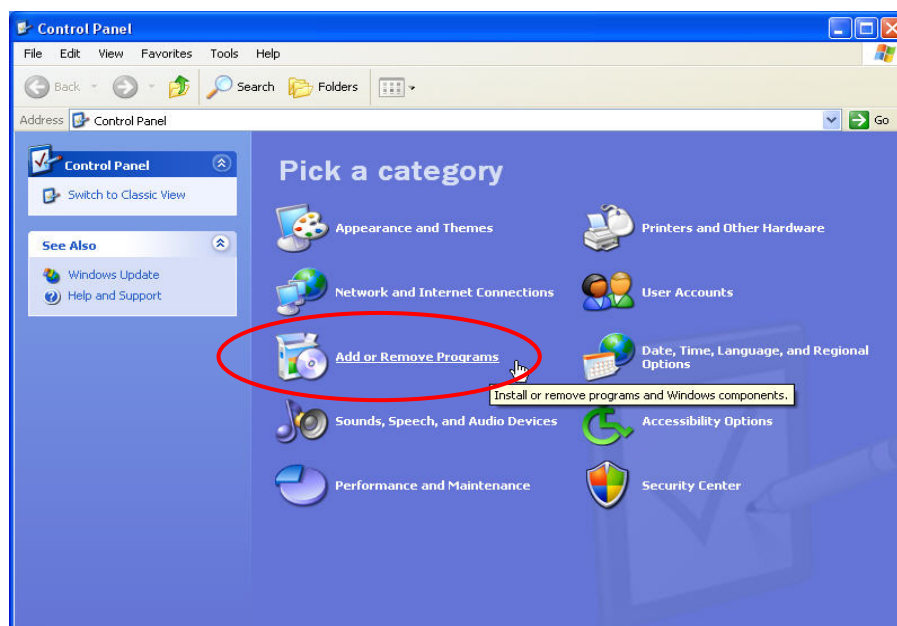
NOTE: Task 4 and 5 are not needed when you install it on a single server as a standalone PC without any network connection.

3.1 Installing Internet Information Services (IIS)

To install Internet Information Services on the Sigma NET Server, please perform following steps.

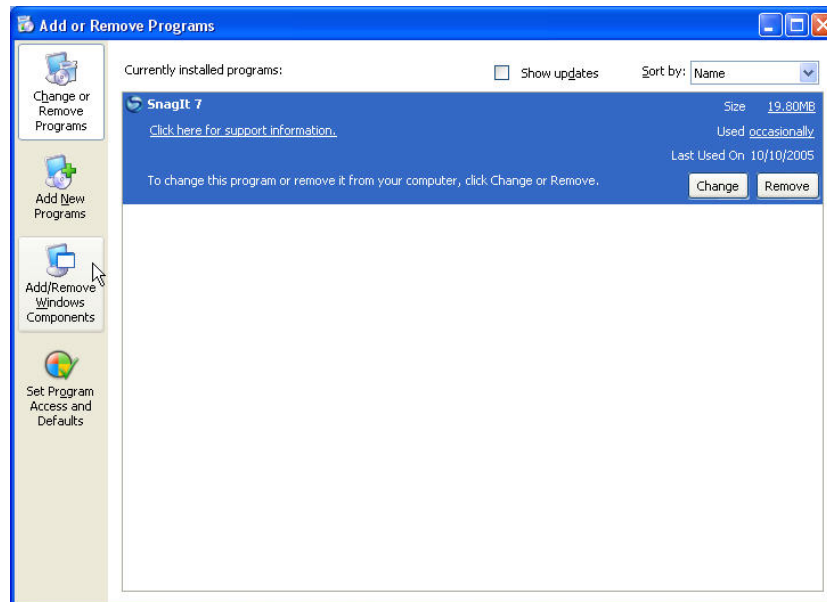
NOTE: If IIS is already installed, skip this section.

- a. Prepare Windows XP Professional CD.
(CD may not be needed if you installed windows XP from installation file in your hard disk)
- b. Click 'Start' → 'Settings' → 'Control Panel' on the Start menu of windows.

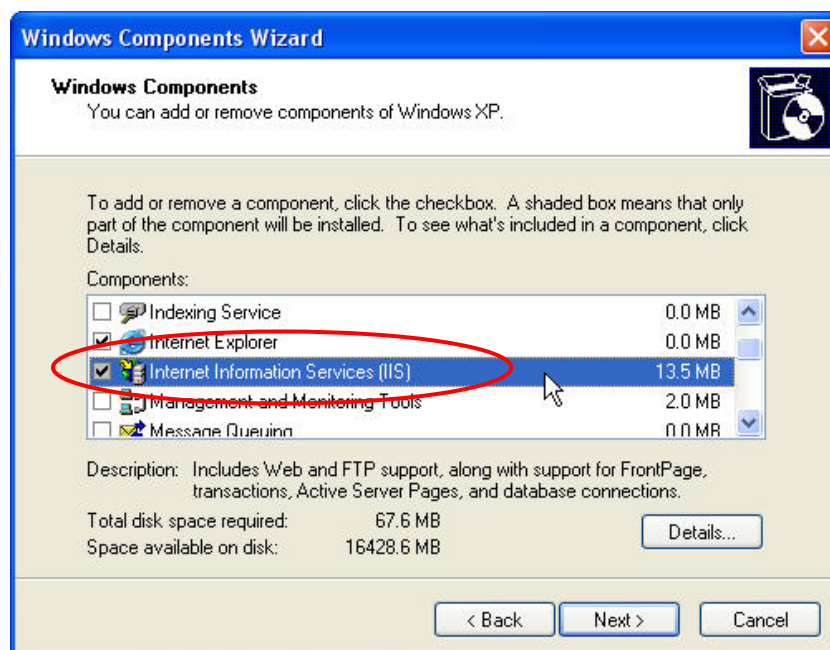


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c. Open 'Add or Remove Programs' and Click on 'Add/Remove Windows Components'.

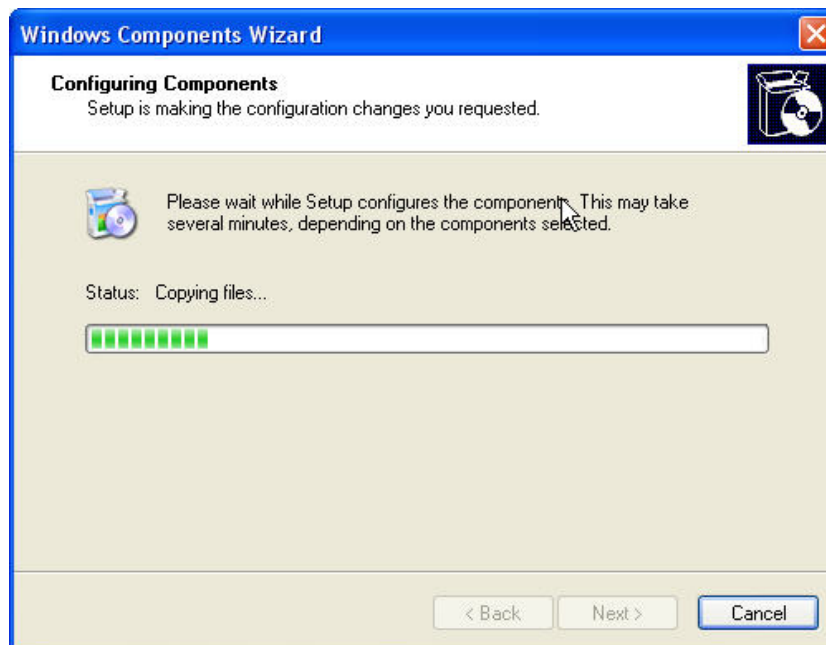


d. Check 'Internet Information Service (IIS)'



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e. Press '**Next**' to precede and complete installation.



f. You can see the Completing window when setup is finished.



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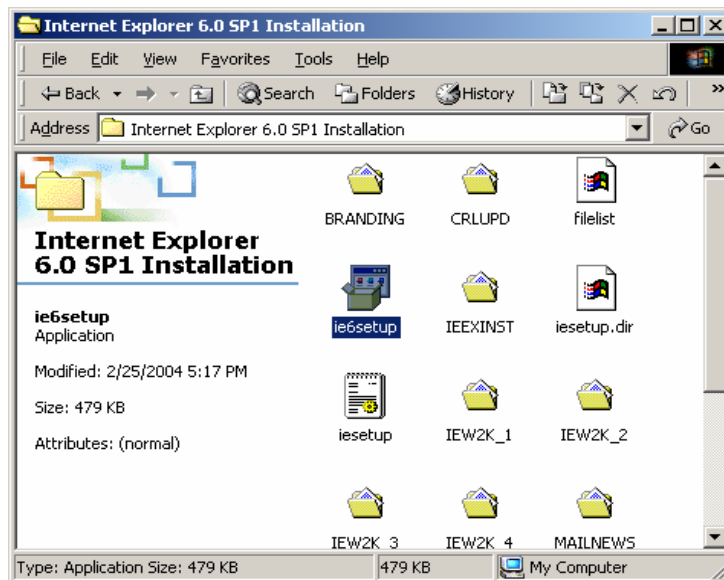
3.2 Installing / Upgrading Internet Explorer (IE) 6.0

To install Internet Explorer 6.0 in Sigma NET Server, please perform following steps.

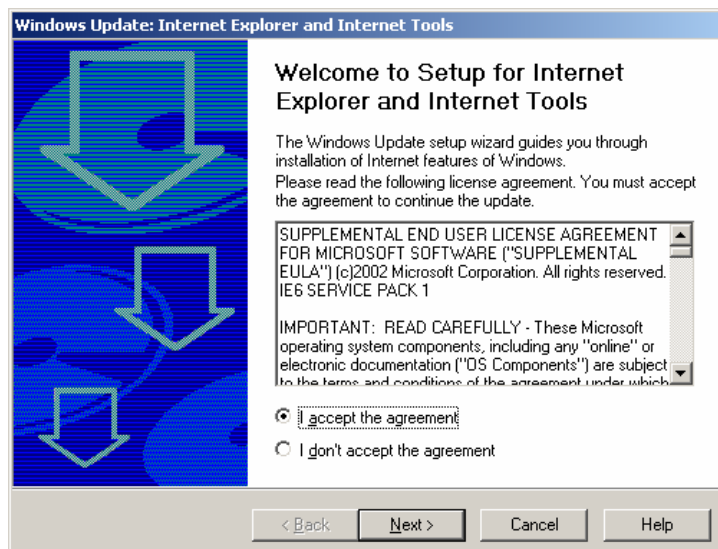
NOTE: If you already have IE5.5 or above installed in your PC and don't want to upgrade, you may skip this section.

- a. Execute '**ie6setup.exe**' to start installation.

NOTE: Sigma NET installation CD contains IE6.0 Service Pack 1 setup files for various languages. Find correct IE setup file for desired language and execute it.

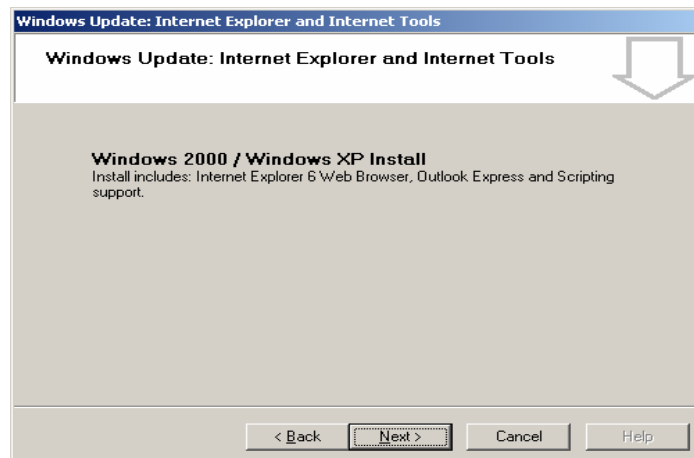


- b. Select '**I accept agreement**' from license agreement dialog then press **NEXT**.

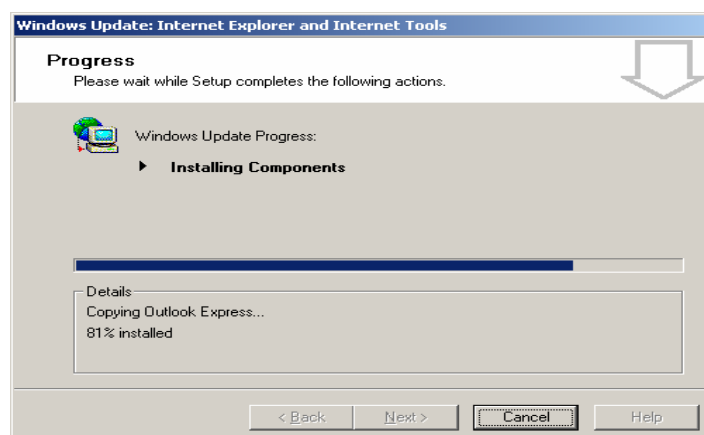


	Supervisory Panel	Part	Sigma Net
		Ctrl. No.	OST-SR-15-0
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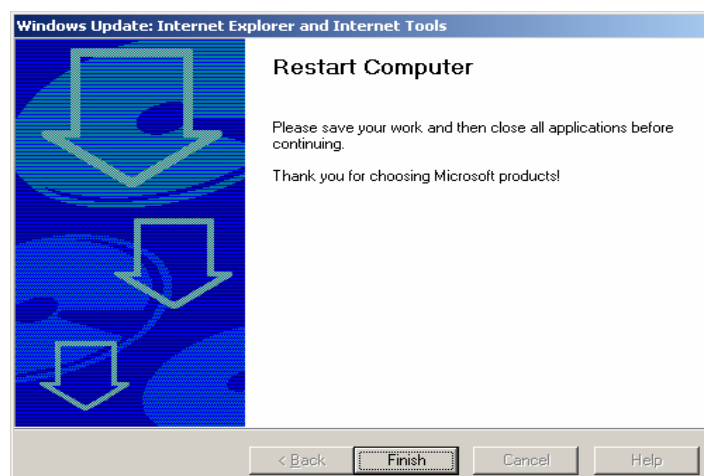
c. Just press **NEXT** from this dialog.



d. After you press **NEXT** button from step 3, installation process will be preceded as follow.



e. If installation is successfully completed, you will see following dialog.
Press **FINISH** button and restart you PC.

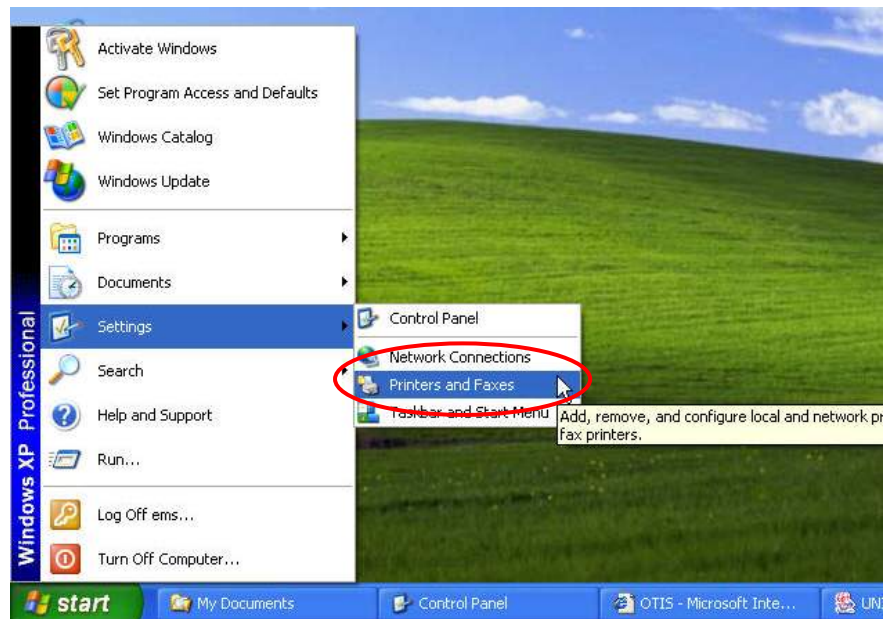


	Supervisory Panel	Part	Sigma Net
		Ctrl. No.	OST-SR-15-0
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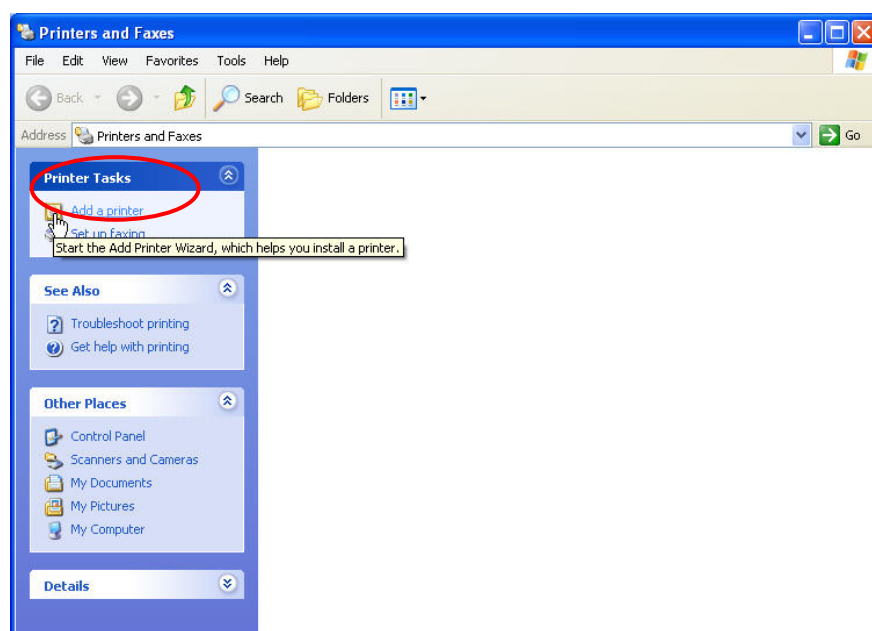
3.3 Printer Setup

NOTE: If you have already configured the system's printer, you may skip this section.

- a. Run 'Start' → 'Settings' → 'Printers and Faxes' menu.

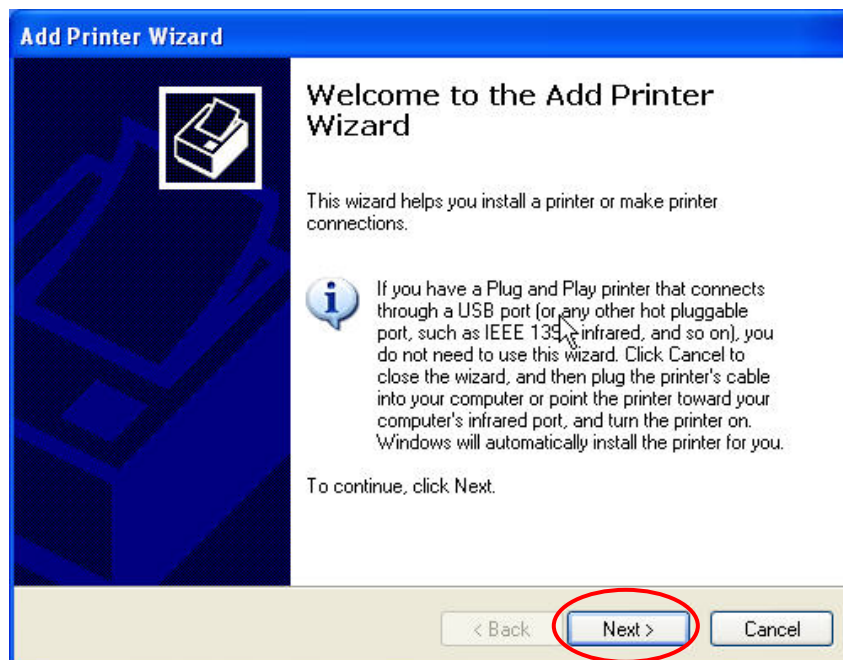


- b. Click on "Add a printer" icon on Printers folder.

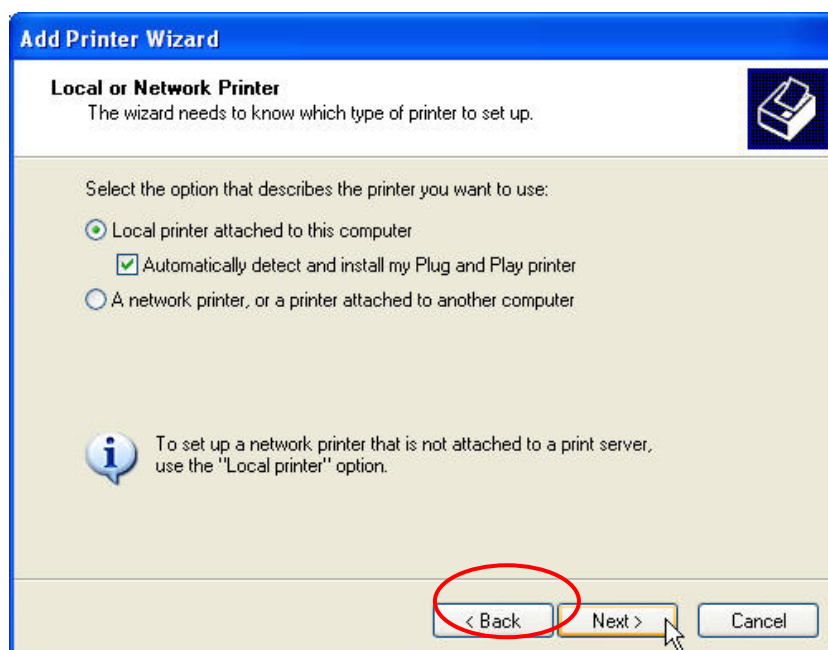


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- c. Click **Next** on Add Printer Wizard.



- d. To setup Local or Network printer, contact your system manager. Windows will ask the printer connection.



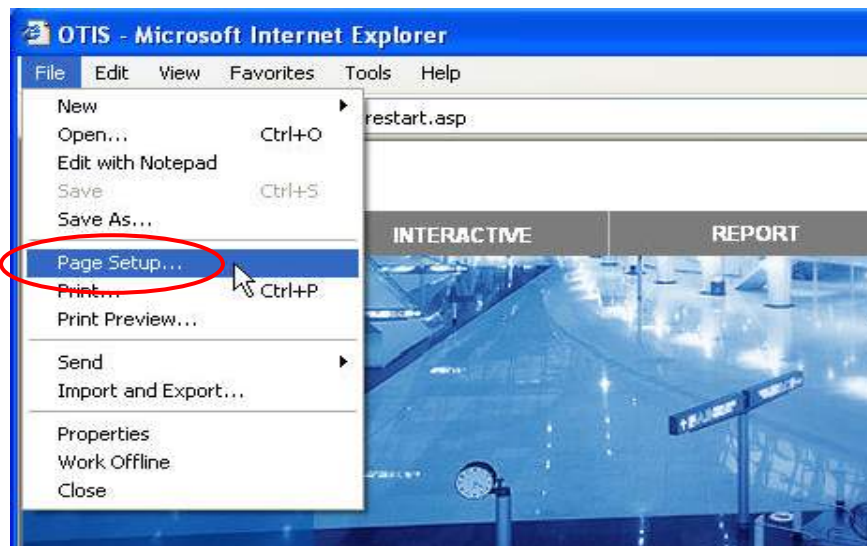
- e. After setting up printer, check if new printer is shown in 'Start' → 'Settings' → 'Printers folder'.

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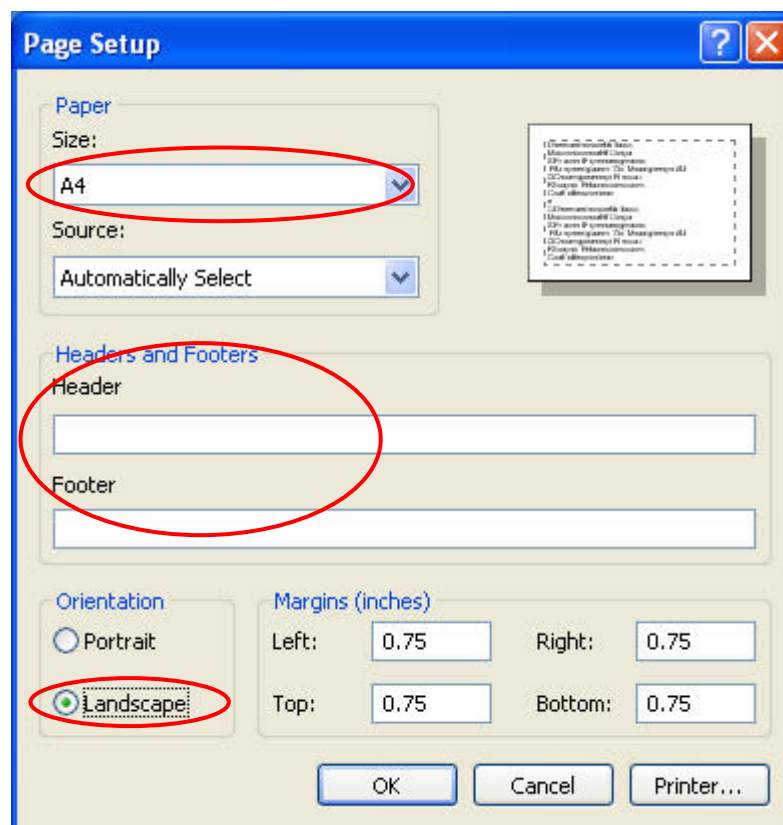
3.4 Print Page Setup

You need to setup the print page to make report form optimized.

- Run Internet Explorer and click on "**Page Setup**" menu.



- Select **A4** or **Letter** on *Paper Size*. Make the *Header and Footer* edit box **blank**. And select *Orientation* to **Landscape**. And then click **OK**.



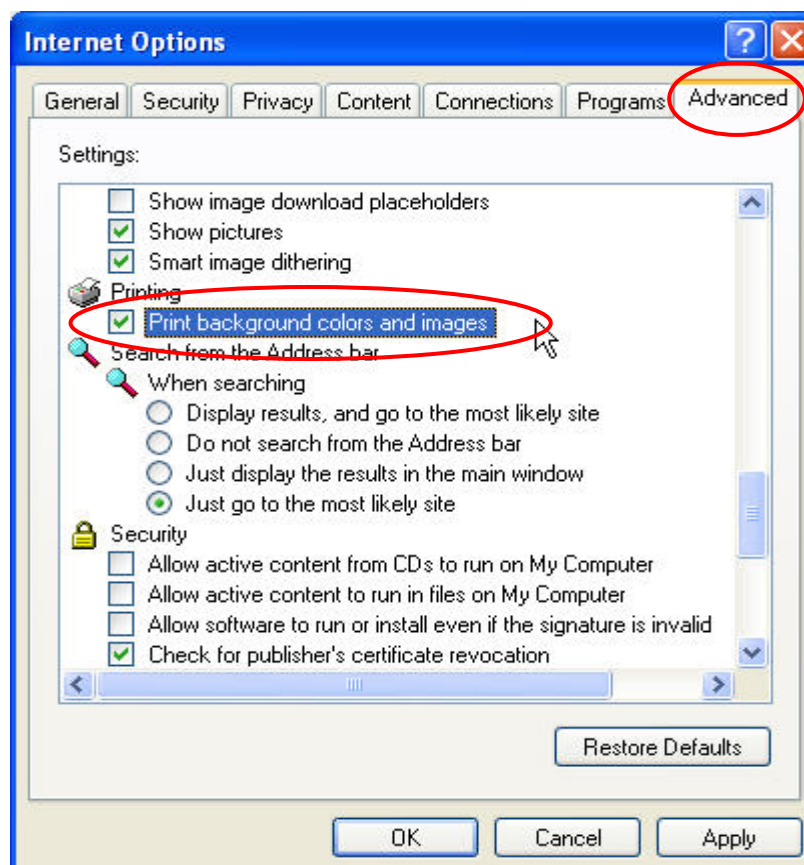
	Supervisory Panel	Part	Sigma Net
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NOTE: Sigma NET supports paper type as **A4** and **Letter**. *Margins* can also be changed to allow you to print.

c. Click on “**Internet Options...**” menu on Internet Explorer.



d. Select “**Advanced**” tab and check “**Print background color and image**” checkbox of printing section. And then click **OK**.

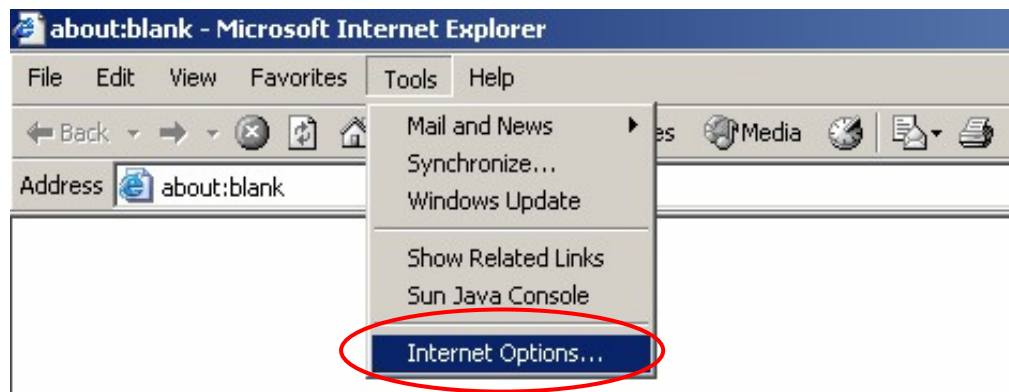


	Supervisory Panel	Part	Sigma Net
		Ctrl. No.	OST-SR-15-0
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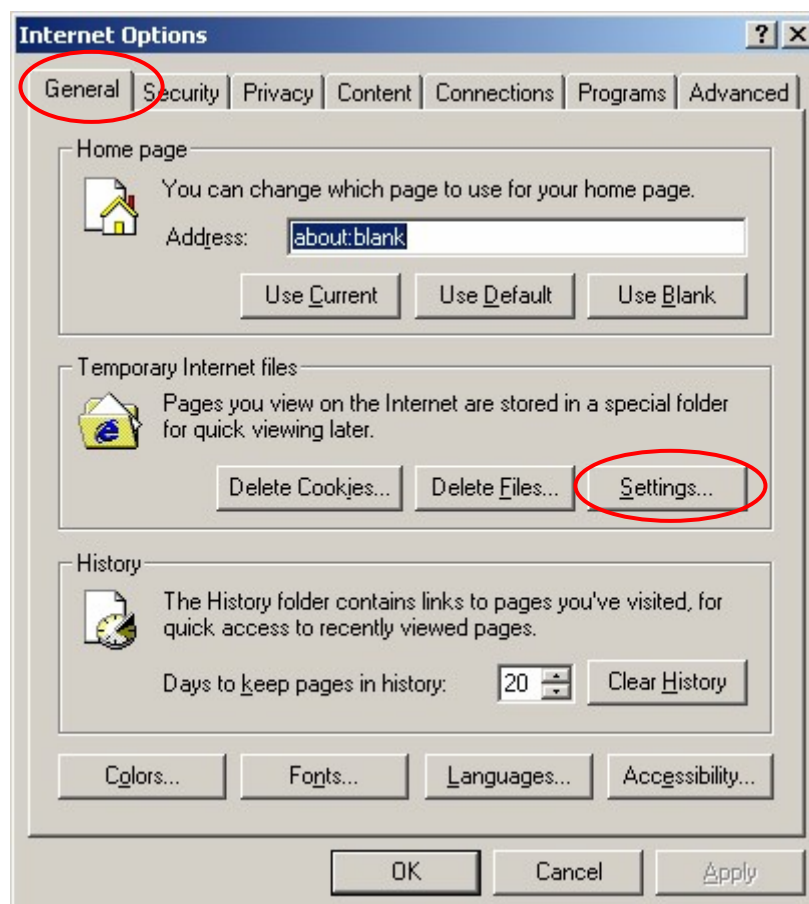
3.5 Web Browser Cache Setup

You need to setup the strategy of web browser cache.

- Run Internet Explorer and Click on '**Internet Options**' sub-menu of '**Tools**' menu.

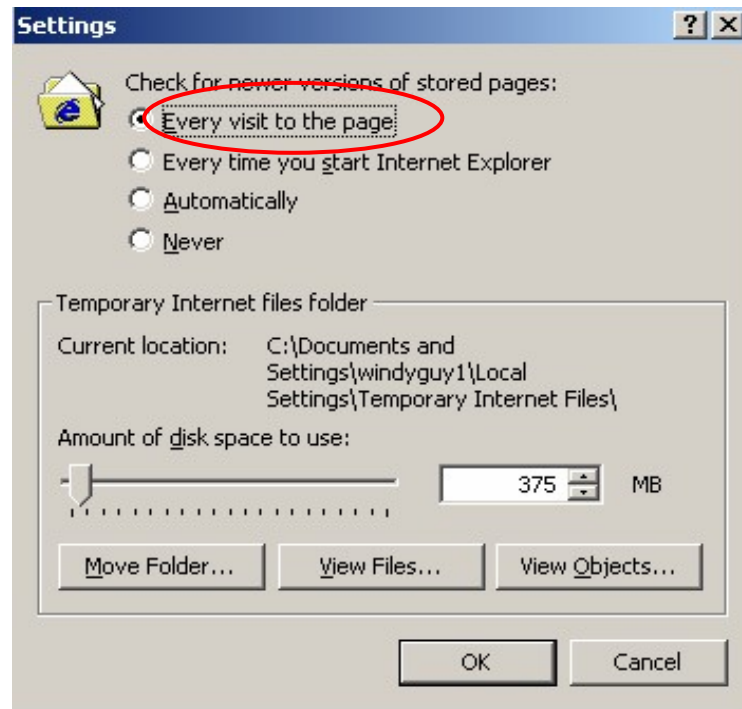


- Select '**Settings**' button of '**Temporary Internet files**' in '**General**' tab



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c. Select the '**Every visit to the page**' radio option.



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4. To Uninstall Existing Sigma NET

This chapter can be used only when you have installed the previous version of Sigma NET on your platform and you want to install a new version or same version once again.

To remove Sigma NET, the following steps should be performed on each of the Sigma NET component.

Any files that are created after installation will be remained even after uninstalling Sigma NET

After performing Sigma NET uninstall, it is recommended to restart windows

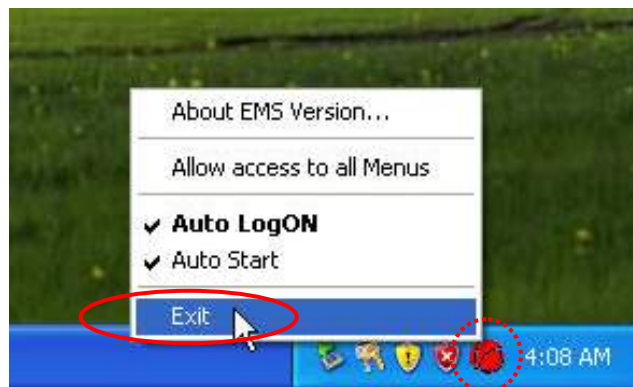
Warning

If you try to uninstall Sigma NET directly without performing following steps, some system components may not be removed completely

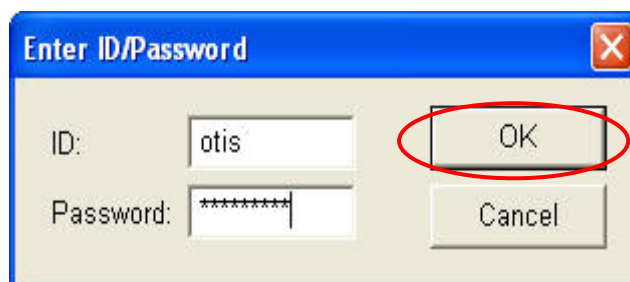
4.1 Stop Core Application

Right click on Sigma NET Core icon from windows system tray.

- Select **Exit** from the popup menu to exit.

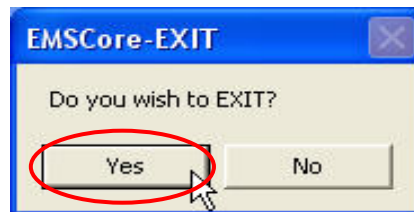


- Core will ask you the ID and Password to confirm exit.



	Supervisory Panel	Part	Sigma Net
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- c. Enter ID and Password and then click **OK**



- d. Wait until Core tray icon is disappeared from tray bar after you click **Yes** on above window.

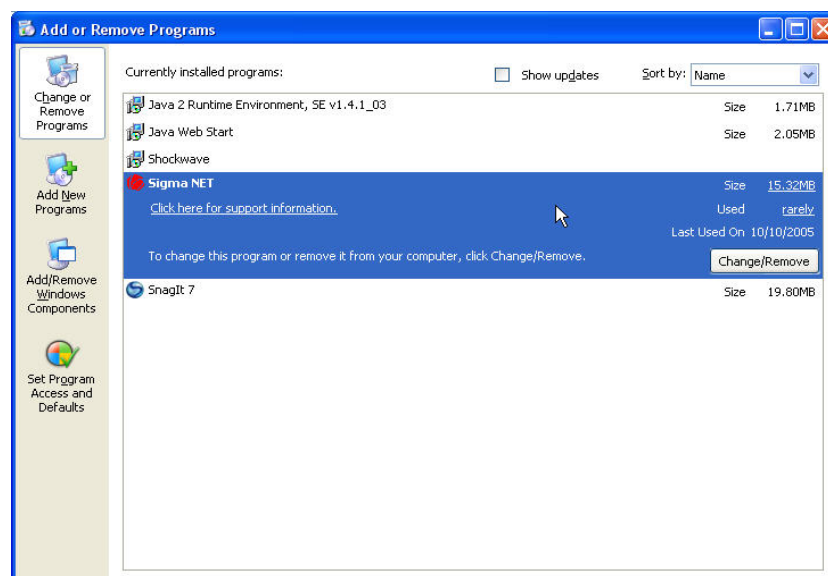
4.2 Save the existing database to some directory to use it in the future.

- Execute NGEMS_DetachDB.bat file in
%NGEMS Installation Directory%\Database directory
- Move two database files to the location you want to save
%Temporary Directory%\backup
 example) NGEMS_KAC_Data.Mdf, NGEMS_KAC_Log.Ldf,

NOTE: The location should not be in *%NGEMS Installation Directory%* since the system wills remove all the files under installed directory while uninstalling.

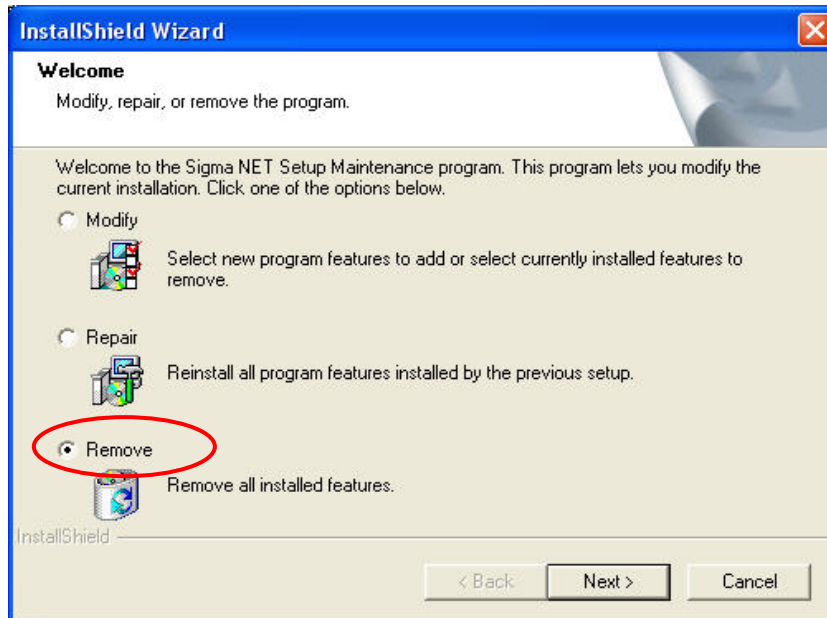
4.3 Run Sigma NET uninstaller

- Find Sigma NET from '**Add or Remove Programs**' under Control Panel.
- Select '**Sigma NET**' and press '**Change/Remove**' button to remove Sigma NET application.

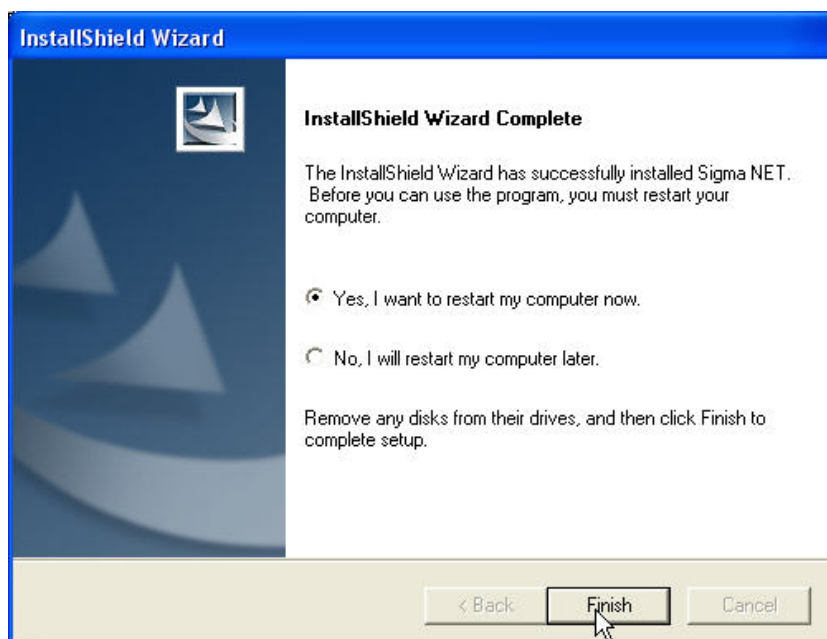


	Supervisory Panel	Part	Sigma Net
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- c. Select '**Remove**' from radio button and press '**Next**' button to start uninstalls.



- d. Press '**OK**' from '**uninstall confirmation dialog**' to start removing Sigma NET files.
- e. After all files are moved, select '**Yes, I want to restart my computer now.**' and press '**Finish**'.



NOTE: You must **restart** system to complete un-installation of Sigma NET

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5. To install Sigma NET

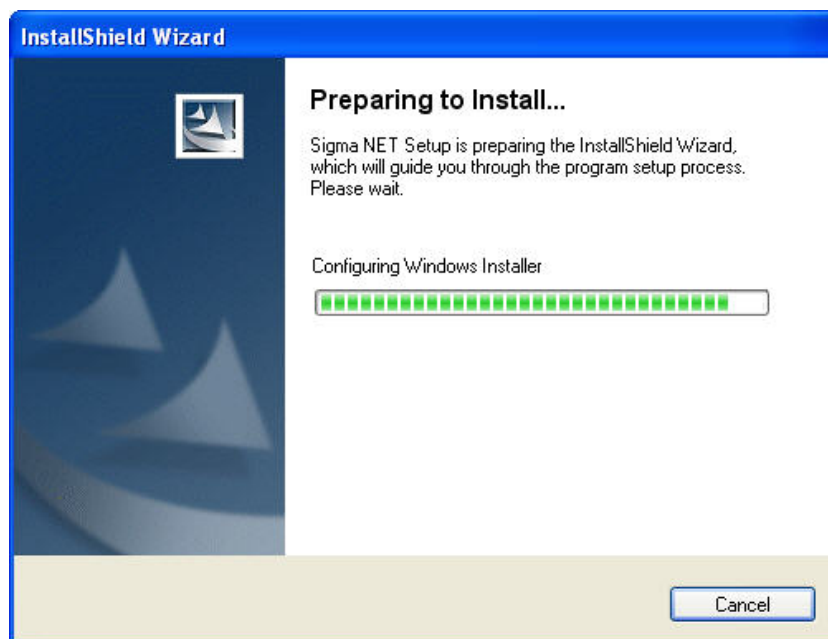
5.1 Program Install

Begin the installation process by selecting the **setup.exe** from the Sigma NET CD

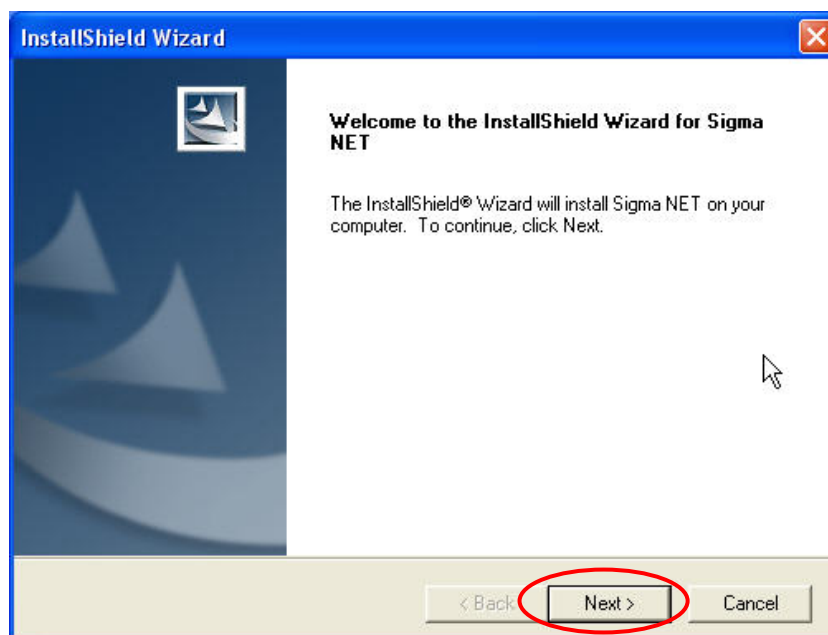
NOTE: Step 3 ~ Step 6 will be skipped if Sigma NET has been previously installed.

a. Select Setup

Run **setup.exe** from the Sigma NET CD. The first screen will come up as following:



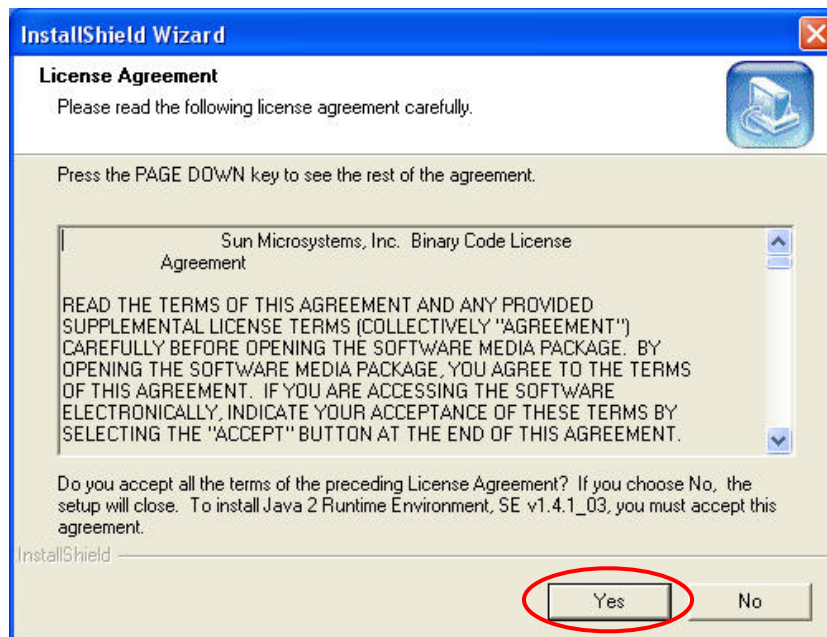
b. Click the **Next** button to continue



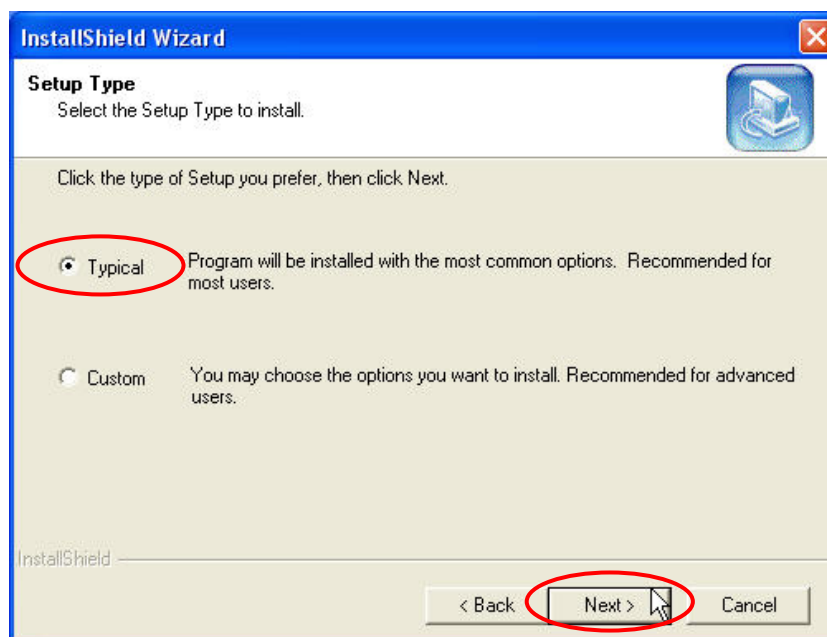
	Supervisory Panel	Part	Sigma Net
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If you click the **Next** button, the installation program will start installing “**Java 2 Runtime Environment, SE v1.4.1_03.**” If you have already installed Sigma NET, the screen shows Step 7 for destination location.

- c. Click **Yes** on the License Agreement (This step will be skipped if Java 2 Runtime is already installed)

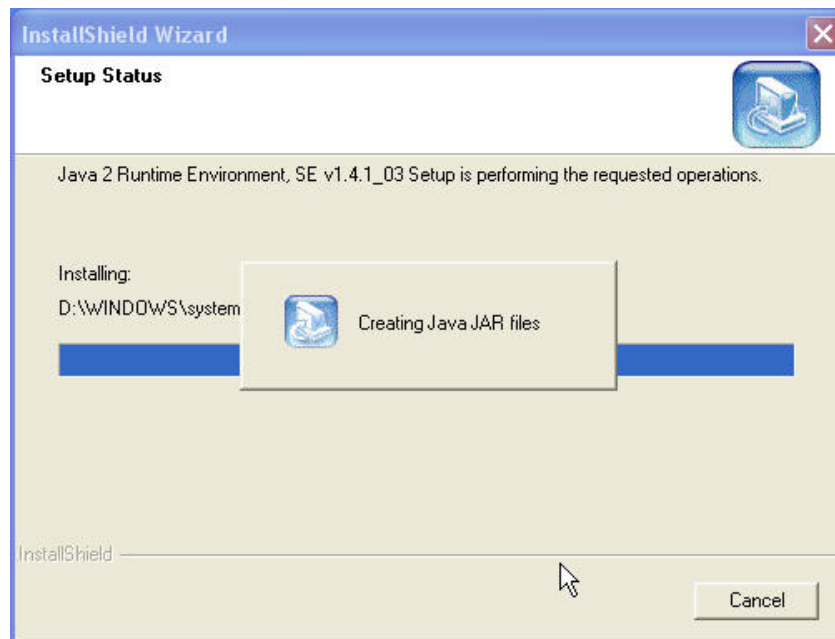


- d. Select **Typical** radio button and click **Next** button. (This step will be skipped if Java 2 Runtime is already installed)

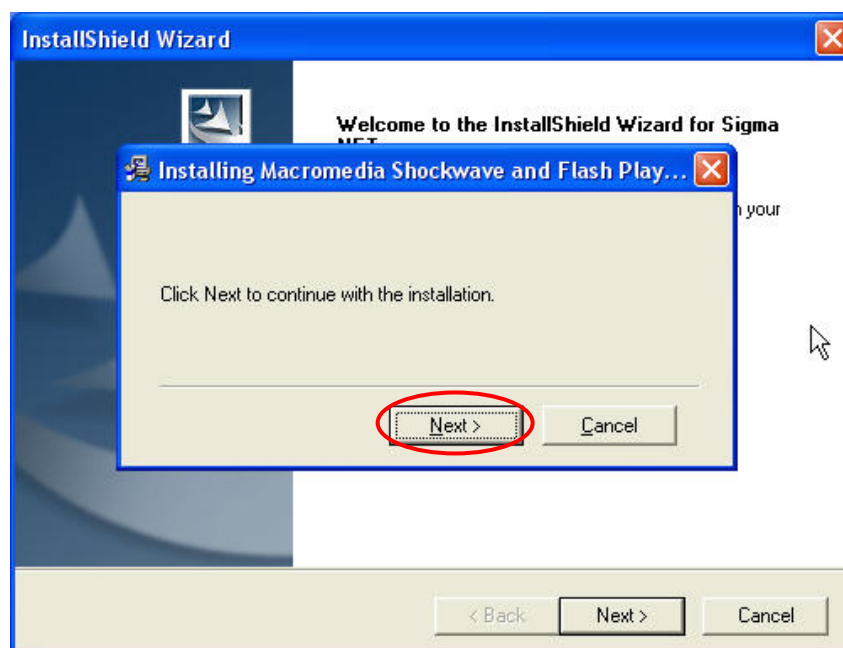


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- e. Wait and do not click **Next** button until Information dialog box. It will take about 10 seconds. (This step will be skipped if Shockwave Flash player is already installed)

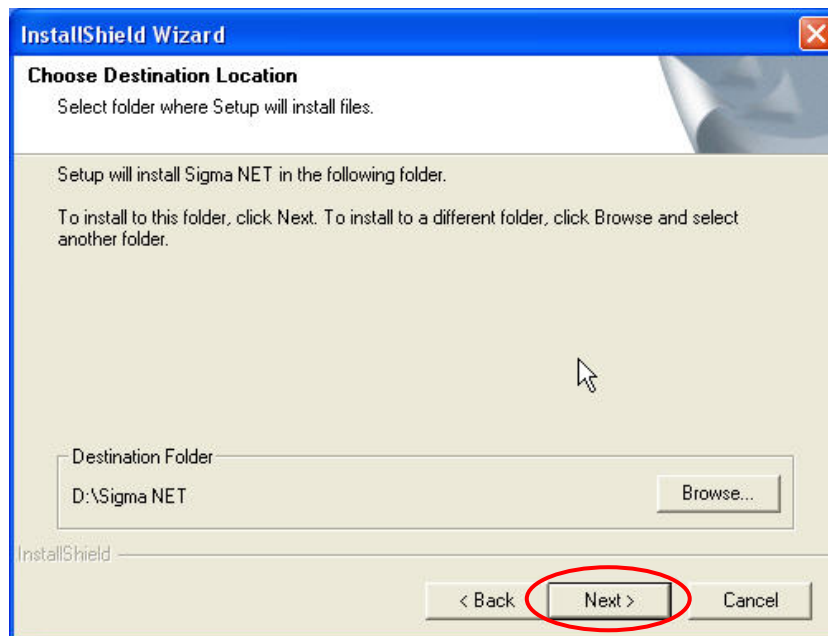


- f. Installing Macromedia Shockwave and Flash Players. Click **Next**. (This step will be skipped if Shockwave Flash player is already installed)



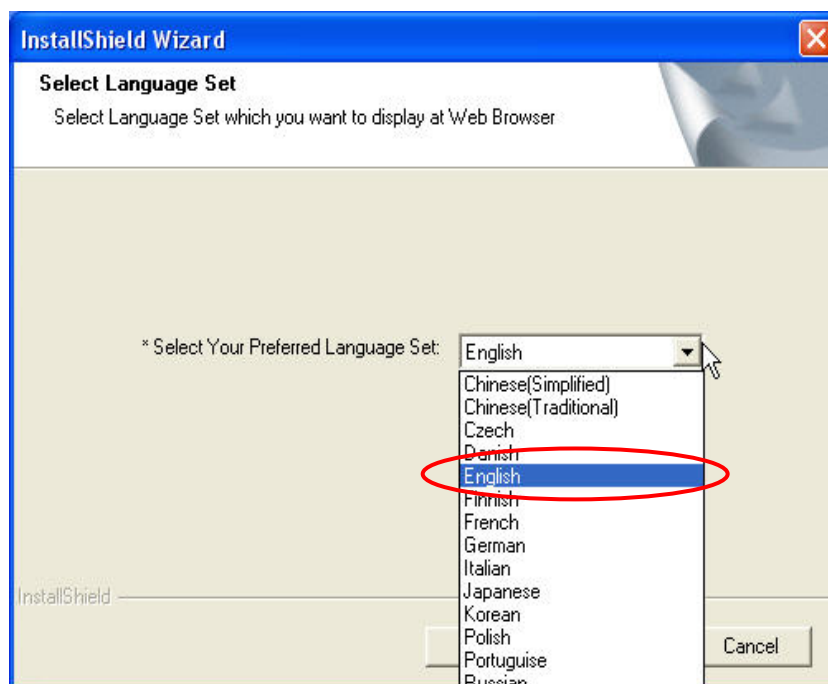
	Supervisory Panel	Part	Sigma Net
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g. Choose **Destination** Location - Click **Next**.



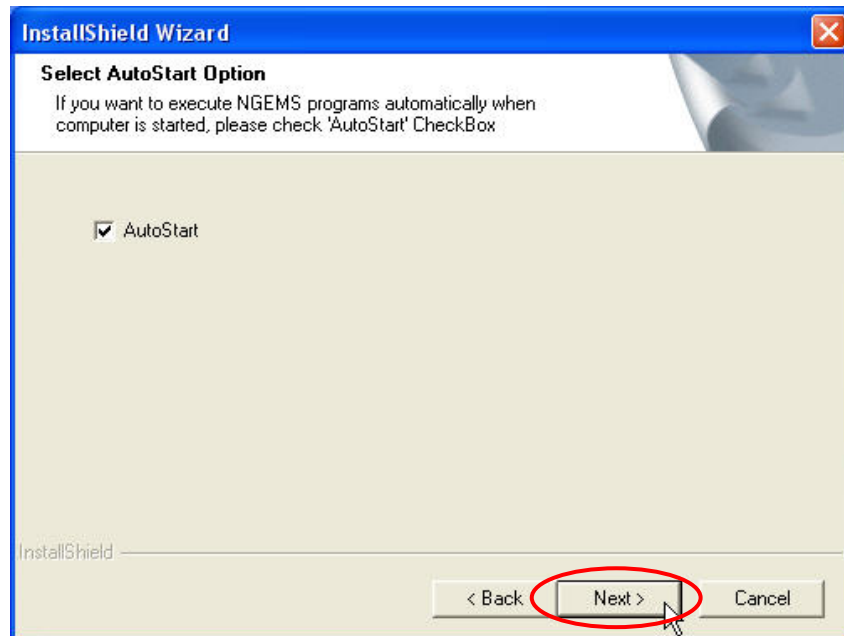
NOTE: You may change the destination folder by clicking **Browse...** button

h. Select **Language** option you want.



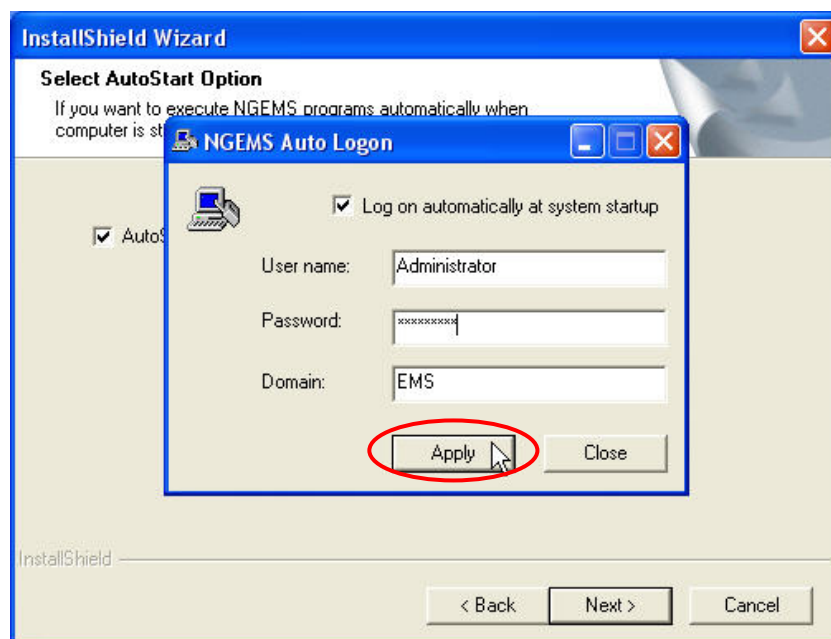
	Supervisory Panel	Part	Sigma Net
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- i. Select '**Auto Start**' option. - Click **Next**.



If you check '**AutoStart**' then system will automatically run Sigma NET after logging in to the system when it is powered on or rebooted.

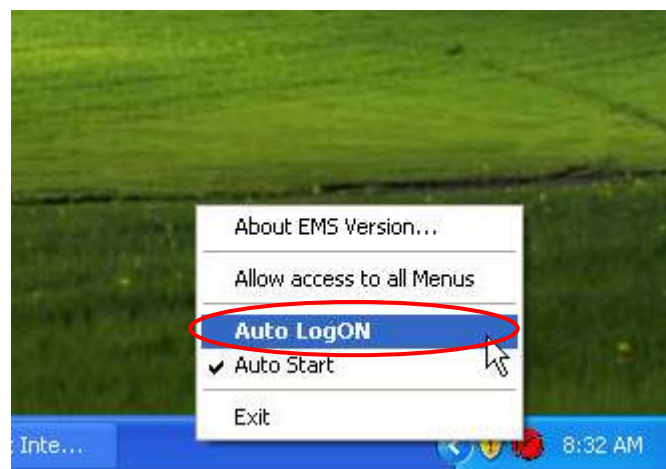
- j. Check the box if you want your system to log on automatically without requiring any user and password when start up. User name, password and domain name should be entered. Click "**Apply**" if you select automatic logon.



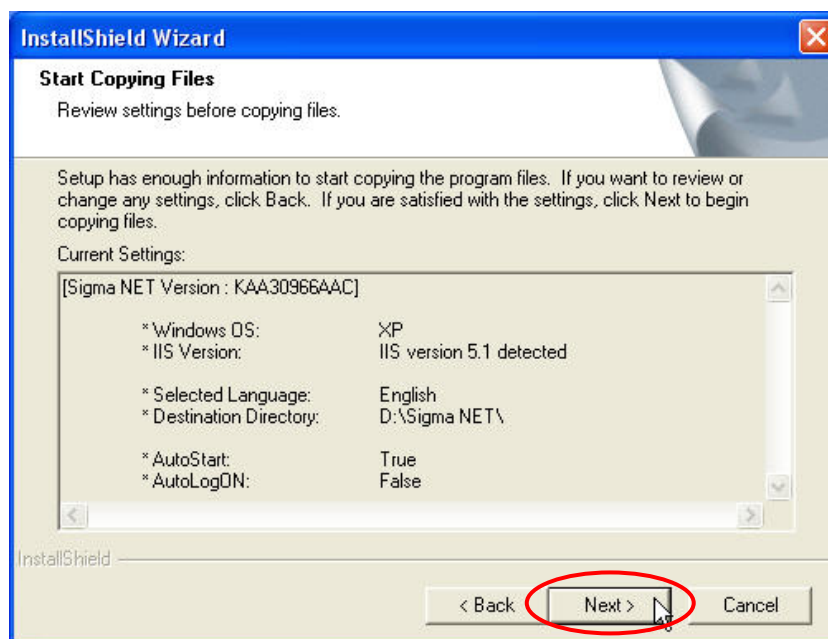
	Supervisory Panel	Part	Sigma Net
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NOTICE: If you wish to inactive 'Auto LogOn' function at this time, please uncheck the 'Log on automatically at system startup' and click 'Close' button.

NOTICE: If you wish to inactive 'Auto LogOn' function after installation of Sigma NET, click Core Icon in windows system tray region with right mouse button and select 'Auto LogOn' menu and then check-mark of 'Auto LogOn' menu will be disappeared. Also 'Auto Start' function can be disappeared after executing above steps.

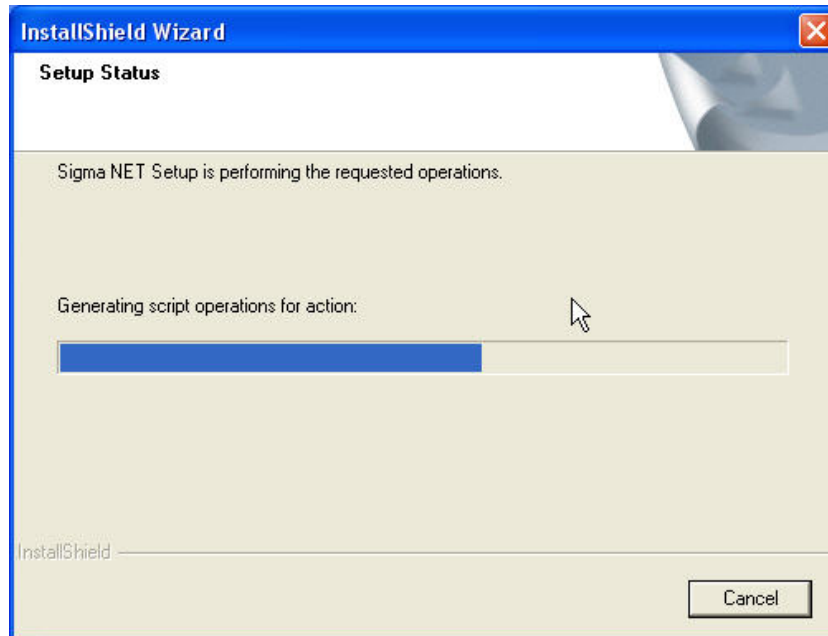


k. Click **Next** to start copying files

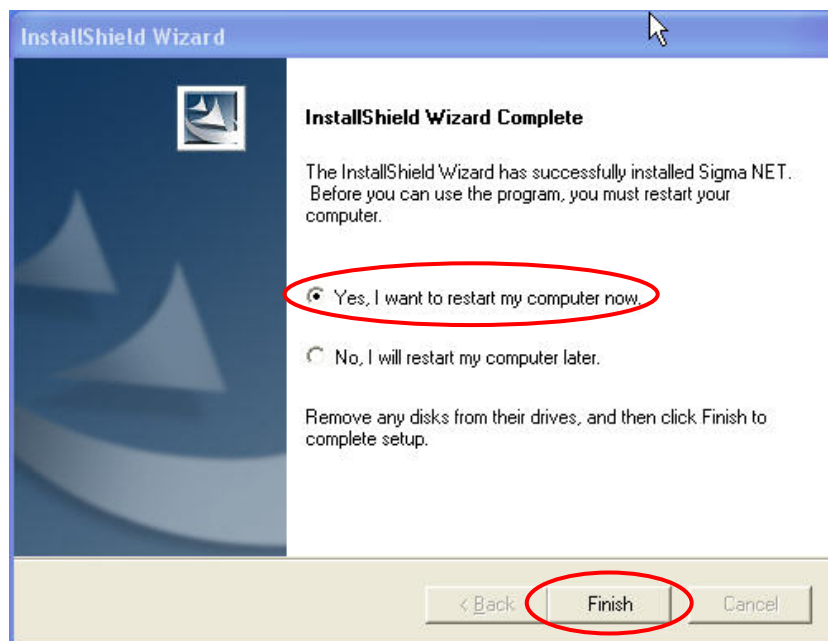


The installation program will copy all the files from the CD to the destination folder. It will take 1 or 2 minutes to proceed.

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- I. Select **Yes** radio button and click **Finish**. The Sigma NET system will restart.

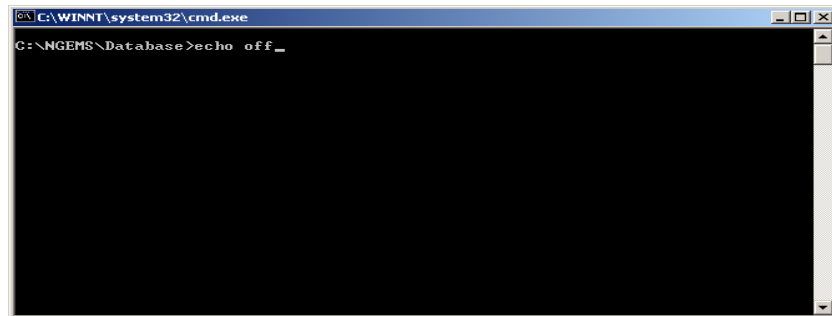


NOTE: You must **restart** system to complete Sigma NET installation.

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		Ctrl. No.	OST-SR-15-0
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5.2 Verify the installation

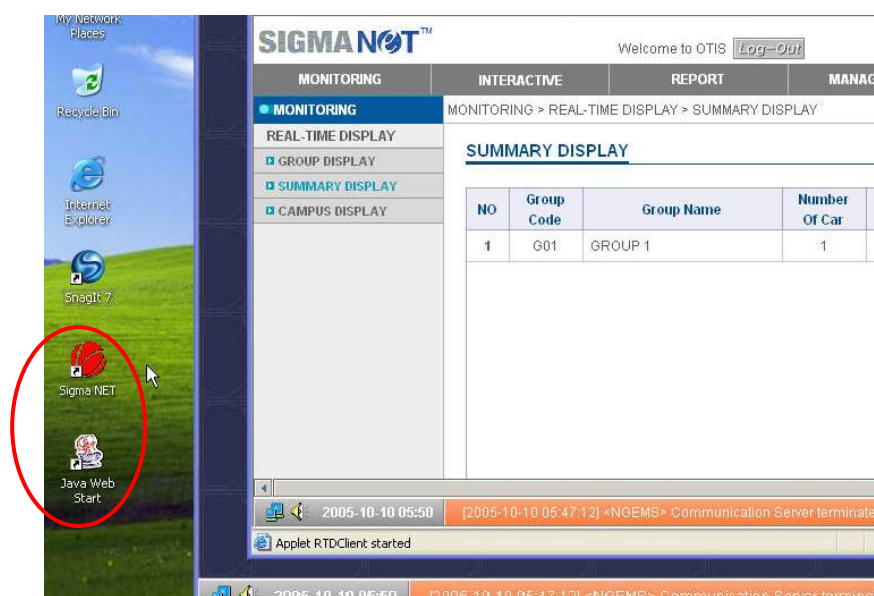
- After restarting system, wait until system update is finished and internet browser is automatically started.



NOTE: This window will be disappeared automatically after a few seconds. And automatically Database files will be backed up as “NGEMS_KAC.bak” daily.

- If you see the following items on the desktop screen, you succeed setting up installation of Sigma NET.

NOTE: When you install Sigma NET first time, the system requires registration key before seeing the screen below. Please refer to the 4.3 Registration Key for more information.



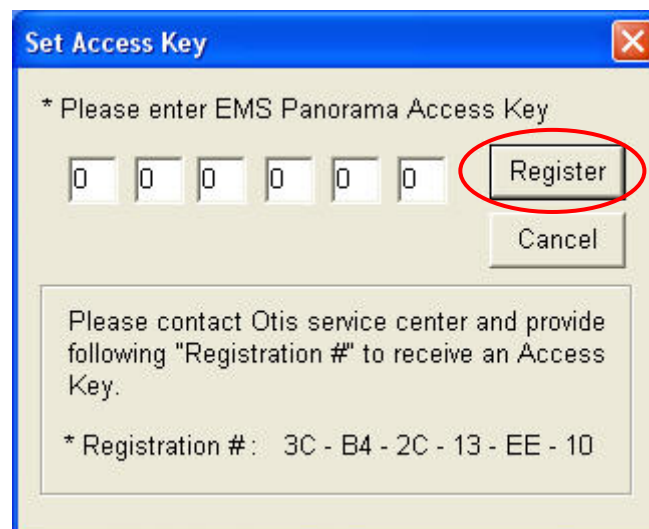
NOTE: Communications Server tray-icon () will be disappeared in a seconds after connecting to elevators.

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5.3 Registration Key

If you start Sigma NET at first, then you can see the Set Access Key window. If you don't know Access Key then please contact Manufacturing Division and provide following "**Registration #**" to receive an Access key.

If you have the Access Key, then enter the Access Key and click **Register** button.



NOTE: If you entered the wrong Access Key, then Sigma NET will be not running automatically.

If you see the Security Warning window on start up of Browser, click Yes or Always.



	Supervisory Panel	Part	Sigma Net
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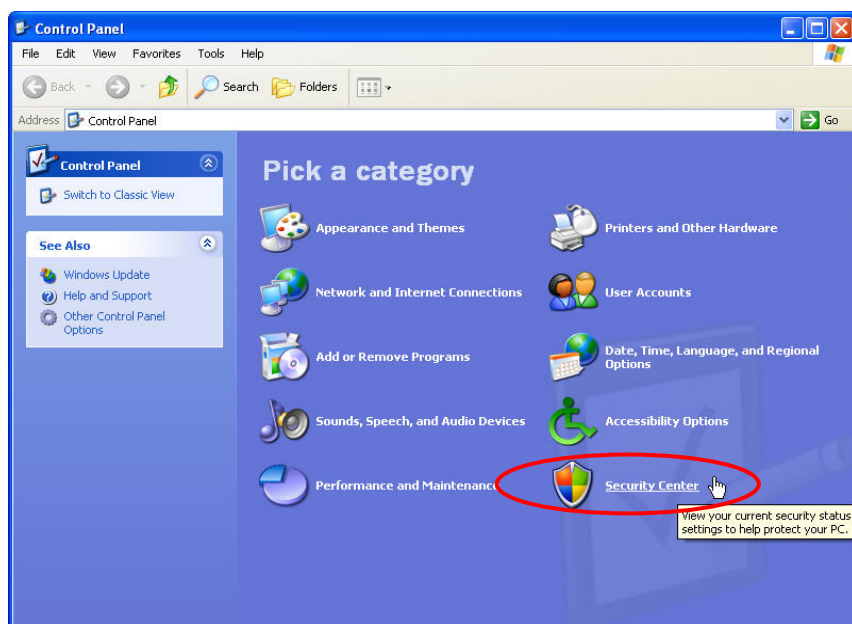
5.4 Firewall Setting

- a. As Sigma NET Core starts for the first time on a Windows XP SP2, you will see “Windows Security Warning” dialog as below.



This dialog asks if you want to allow Core to access network. Press “**Unblock**” so that core can be allowed for network connection. (This connection is between Core and Sigma NET Communication Server)

- b. Open “**Security Center**” from “**Control Panel**”

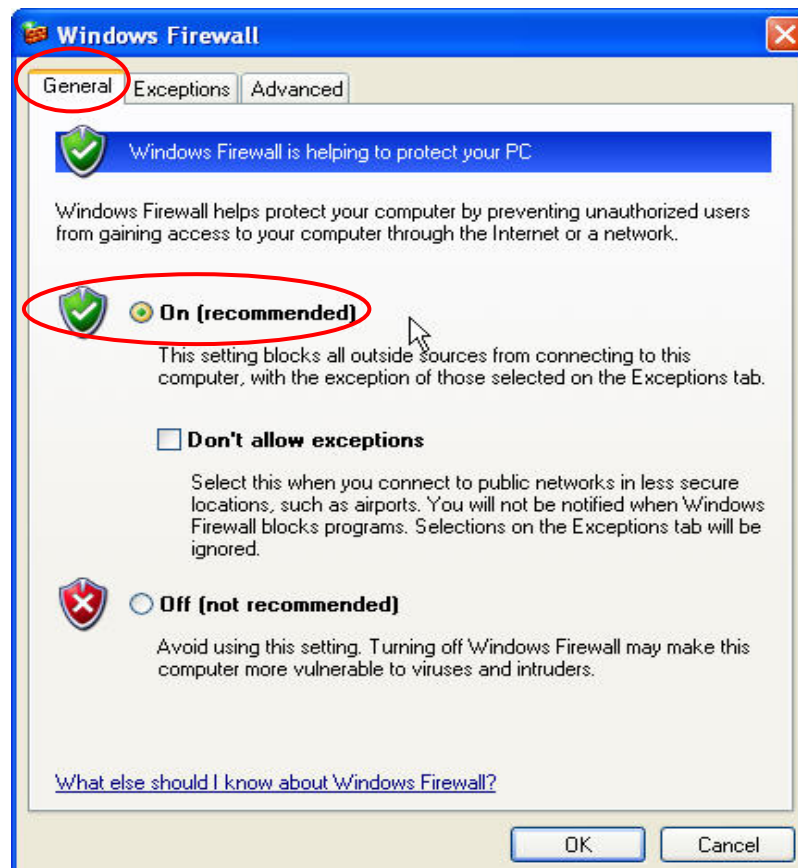


	Supervisory Panel	Part	Sigma Net
		Ctrl. No.	OST-SR-15-0
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- c. Open “**Windows Firewall**” from Windows Security Center. (This screen may have different look in English version)



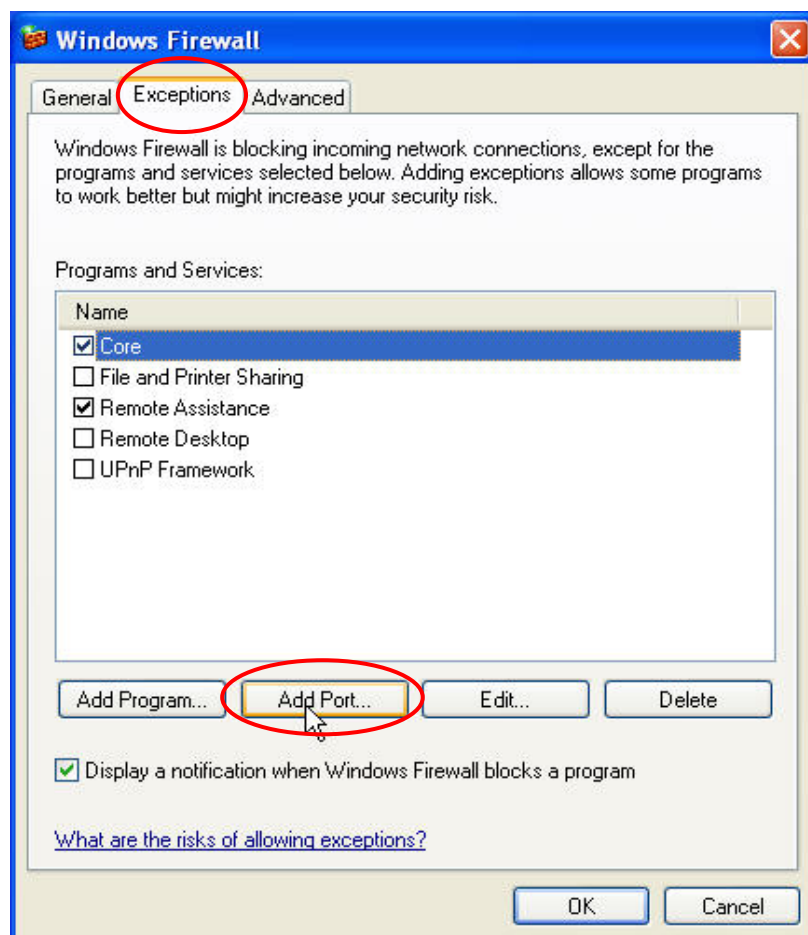
- d. Select “**On (recommended)**” button to enable Windows Firewall under “**General**” tab.



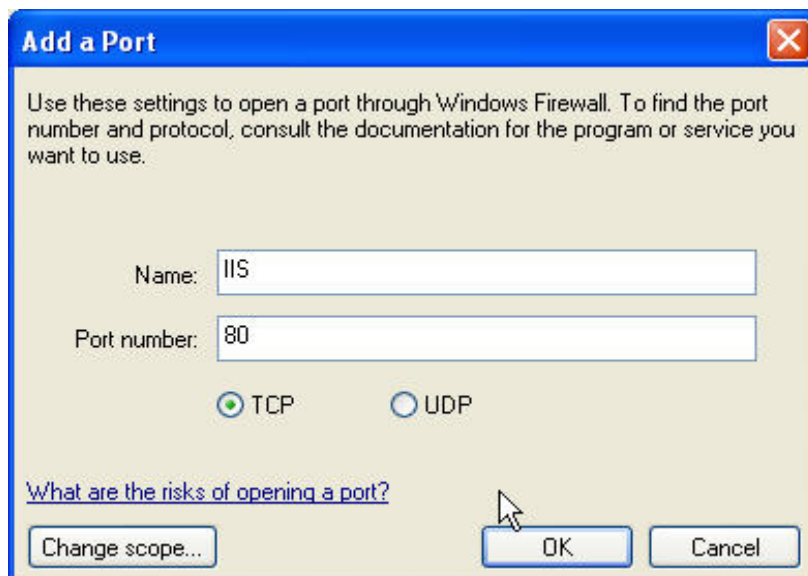
	Supervisory Panel	Part	Sigma Net
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- e. Select **"Exception"** tab and you will see dialog as below. Note that **"Core"** should appear one the Programs and Services list.

Press **"Add Port"** button to add 23 and 80 ports, which are used by Sigma NET.

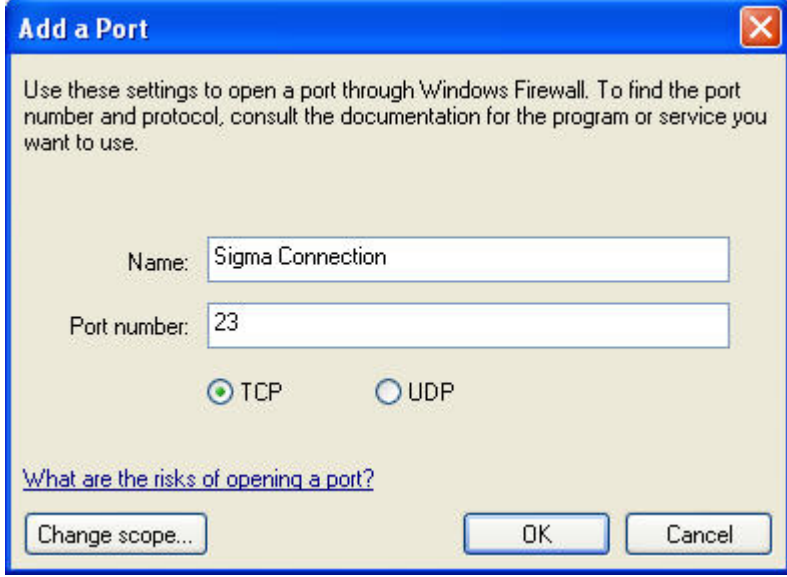


- f. Add port 80 (Type **"IIS"** for name and **"80"** for Port Number)

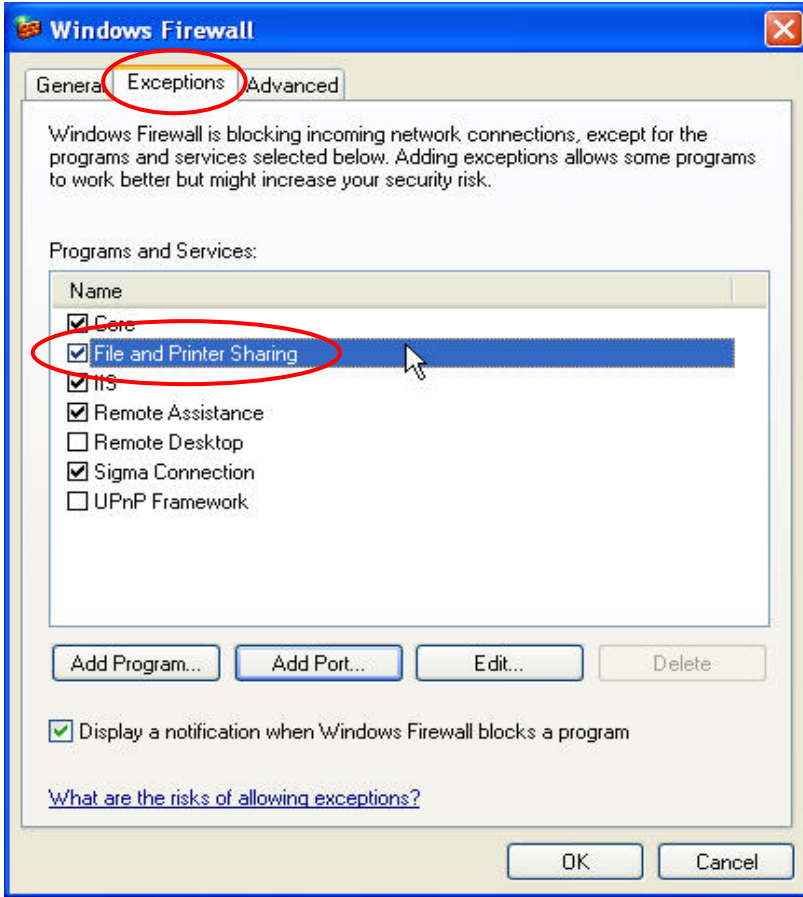


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- g. Add port 23 (Type "**Sigma Connection**" for name and "**23**" for Port Number)



- h. Check "**Fire and Printer Sharing**" option under **Exceptions** tab of Windows Firewall setting dialog.



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6 Post-installation Task

6.1 Overview

This chapter explains the configurations you have to make after chapter 4 (Sigma NET installation) is done.

If you are upgrading Sigma NET from previous version (KAA or KAB), you may skip section 5.2 and 5.3 of this chapter. You can just import configuration from KAA to KAC or KAB to KAC. To import data, please! refer to section 5.4 (Import Configuration Data into New System).

Important

After you have finished section 5.2 CONFIGWIZARD or section 5.4 Import Configuration Data into New System, you must exit all Sigma NET applications (Core, Java RTDServer) and restart Core. (Communication Server finishes and starts automatically with Core)

6.2 Configuration Wizard

Sigma NET system can be configured from **CONFIGURATION WIZARD** menu in order to configure number of groups, cars, floors and other features.

Note

Sigma NET also supports importing configuration data from previous to new version in order to reduce configuration time manually.
Please refer to Chapter 5.4 Import configuration data into new system

Preparation

- Login to Sigma NET with valid user id and password that have right to access to the configuration menu.

NOTE: Auto-restart user doesn't have permission to set up configuration. Please logout first, and then login to Sigma NET with valid user.

- Make sure Sigma NET system network connection on status bar in blue color.



2003-11-19 16:49

- Select '**MANAGEMENT**' from main menu.
- Select '**CONFIGURATION WIZARD**' from sub menu

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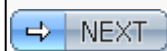
NOTE: You may finish and apply any changes in configuration anytime if **Group Settings**, **Floor Layout** and **Communication** are properly configured.

Following buttons are available and common through out all **CONFIGURATION WIZARD** pages.



DATA RELOAD

: Abandon any changes made and restore data.



NEXT

: Move to next configuration page (be sure to press **WRITE DATABASE** button before you leave configuration wizard if you would like to store any change you made to database)



PREV.

: Move to previous configuration page (be sure to press **WRITE**

DATABASE button before you leave configuration wizard if you would like to store any change you made to database)



WRITE DATABASE

: Apply all saved configuration data into Sigma NET database.

(If you leave configuration wizard without pressing **WRITE DATABASE** button, all changes you made and save will not be applied)

6.2.1 System setting

MANAGEMENT > CONFIGURATION WIZARD > System Settings

System Settings

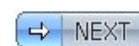
ORDER NUMBER	KOREA
SYSTEM IDENTIFIER	EMS Panorama
TimeOut	0
LANGUAGE	German



DATA RELOAD



IMPORT



NEXT



WRITE DATABASE

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- Enter **ORDER NUMBER** and **SYSTEM IDENTIFIER**
- Enter **TimeOut** value from 0 to 1440 (minutes) for login Session timeout.
NOTE: 0 means there will be no timeout.
- If you want to import existing configuration data from external database file, click **IMPORT** button. For more details, refer to section **"5.4 Import Configuration Data into New System"**
- If you made any changes, press **NEXT**.

6.2.2 Group setting

Group Settings

NUMBER OF GROUPS			OK
------------------	--	----------------------	-----------------------------------

NO	GROUP NAME	GROUP CODE	NO. OF CAR	NO. OF FLOOR	GROUP TYPE	UNIT ID	ELD/VMD
1	Group 1	G01	1	64	MCS421	47 - 1	☒
2	Group 2					47 - 2	☒
3	Group 3					---	☐
4	Group 4					47 - 4	☐
5	Group 5					47 - 3	☐

GROUP TYPE - Microsoft Internet Explorer

GROUP TYPE
☒ OTIS ☐ OEK/SIGMA

TYPE

☐ ICD View
☒ Controller View

GROUP TYPE

MCS421

OK

- Enter **NUMBER OF GROUPS** to be connected to this system (at least 1) then press **OK** button.
- Enter **GROUP NAME**, **GROUP CODE**, **NO. OF CAR**, **NO. OF FLOOR** and **UNIT ID** for each group and select **GROUP TYPE** from the list of available group type. If any group has ELD, select check box for applicable group.
- If you made any changes, press **NEXT** button.

Note

You can remove existing Group by entering less value than current number in **NUMBER OF GROUPS**.
Ex) Assume Current **NUMBER OF GROUPS** are 3. If you enter 1 in **NUMBER OF GROUPS** as new value, 2nd and 3rd groups from the list will be removed

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6.2.3 Floor Layout

MANAGEMENT > CONFIGURATION WIZARD > Floor Layout

Floor Layout

GROUPS:

LOBBY FLOOR: BASE FLOOR:

EXPRESS START: EXPRESS STOPS:

FLOOR	NAME	E01	E02							
64	64	F	R	F	R					
63	63	F	R	F	R					
62	62	F	R	F	R					
61	61	F	R	F	R					
60	60	F	R	F	R					
59	59	F	R	F	R					
58	58	F	R	F	R					
57	57	F	R	F	R					
56	56	F	R	F	R					

TYPE:

CAR TYPE: [SD = Single Deck, DD = Double Deck]

COPY FROM:

- Select group to be configured from **GROUPS**
- Enter **LOBBY FLOOR**, **BASE FLOOR**, **EXPRESS START** and **EXPRESS STOPS**

BASE FLOOR is respective floor position of current group's bottom landing respected to the group with bottom landing at physically lowest floor.

4	
3	3
2	2
1	1

If the lowest physical floor for both G1 and G2 are the same, than **BASE FLOOR** for both group are 1.

G1 G2

5	
4	3
3	2
2	1
1	

If the bottom landing of G1 is physically lower than bottom landing of G2 by 1 floor level. **BASE FLOOR** for Group1 is 1 and Group2 is 2. (**BASE FLOOR** is used for logical display, when first floor of each groups are different)

G1 G2

EXPRESS START: Start landing of Express Zone. (0 if no express zone)

EXPRESS STOPS: Number of landings in Express Zone (0 same above)

- Enter **NAME** for each car in the selected group.

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d. Enter **FLOOR NAME** for the selected group.

FLOOR	NAME	E00	E01	E02	E03						
36	36	 	 	 	 						
35	35	 	 	 	 						

e. Select door **TYPE** for each car by clicking. 

f. Select **CAR TYPE** for each car by clicking. 

Tip

If you enter numeric **NAME** for any floor and press  , it will automatically fill out **NAME** of all other floor above.

You can copy floor NAME from other group, which is already configured by selecting **COPY FROM** and pressing. .

g. If you made any change, press **NEXT** button

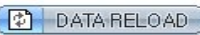
6.2.4 Logical Group Setting

Basically, you can combine cars from physically different groups in a logical group and display them in a single Logical Group Display.

Tip) You can just skip this page since the concept is new in Sigma NET.

MANAGEMENT > CONFIGURATION WIZARD > Logical Group Settings

Logical Group Settings

NUMBER OF GROUPS	0		
GROUP 1		E01	
			
			
NO	GROUP NAME	GROUP CODE	CAR LIST
		 	
			

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a. Enter **NUMBER OF GROUPS** to be created (At least 1) then press **OK** button to apply.

b. Use to select a physical car to be added to logical group.

c. Check logical group that selected car will be added to and press **ADD** button to add. If you check more than one logical group and press **ADD**, selected car will be added to all checked logical groups at once.

(You can delete a car from logical group with same way as adding)

d. If you made any change press **NEXT** button

6.2.5 Install Options

Install Options

OPTION	Premium
--------	--------------------------------------

FUNCTION LIST	INSTALL
☐ MONITORING	Check
☐ REAL-TIME DISPLAY	Check
• GROUP DISPLAY	☒
• SUMMARY DISPLAY	☒
• GEOGRAPHIC DISPLAY	☒
☐ PLAYBACK	Check
• SUMMARY DISPLAY	☒
• GROUP DISPLAY	☒
☐ MAINTENANCE DISPLAY	Check
• MAINTENANCE DISPLAY	☒
☐ INTERACTIVE	Check
☐ CONTROL	Check
• HALL SECURITY	☒
• HALL CALLS	☒
• GROUP COMMANDS	☒
• GROUP PARAMETERS	☒
• CAR SECURITY	☒
• CAR CALLS	☒

a. Select an install **OPTION**.

(Each OPTION except 'Customize' has a predefined install option and they will be automatically checked or unchecked by selecting an option from OPTION)

b. After selecting one of options from **OPTION**, you can customize by checking on each item from **FUNCTION LIST**, and then OPTION will be changed to '**Customize**'.

(You can check all sub items by pressing on each main item)

c. If you made any changes, press **NEXT** button

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6.2.6 Menu Configuration

Sigma NET has 4 level of Access and every user is granted to one of 4 levels. The LEVEL4 is highest level in Sigma NET.

To access Menu Function, user's access level must be higher than level configured from this page. (For example, the current access level for group display is level 3 and one of user is granted to level 2 then this user cannot access to the group display even though this user is logged in.)

Menu Configuration

MENU FUNCTION	LEVEL1	LEVEL2	LEVEL3	LEVEL4
☐ MONITORING	Check	Check	Check	Check
☐ REAL-TIME DISPLAY	Check	Check	Check	Check
• GROUP DISPLAY	☐	☐	☒	☐
• SUMMARY DISPLAY	☐	☐	☒	☐
• GEOGRAPHIC DISPLAY	☐	☐	☒	☐
☐ PLAYBACK	Check	Check	Check	Check
• SUMMARY DISPLAY	☐	☐	☒	☐
• GROUP DISPLAY	☐	☐	☒	☐
☐ MAINTENANCE DISPLAY	Check	Check	Check	Check
• MAINTENANCE DISPLAY	☐	☐	☒	☐
☐ INTERACTIVE	Check	Check	Check	Check
☐ CONTROL	Check	Check	Check	Check
• HALL SECURITY	☐	☐	☒	☐
• HALL CALLS	☐	☐	☒	☐
• GROUP COMMANDS	☐	☐	☒	☐
• GROUP PARAMETERS	☐	☐	☒	☐
• CAR SECURITY	☐	☐	☒	☐
• CAR CALLS	☐	☐	☒	☐
• CAR COMMANDS	☐	☐	☒	☐
• CAR PARAMETERS	☐	☐	☒	☐

- a. Select **minimum** access level required to access each **MENU FUNCTION**.

(You can check all sub items by pressing on each main item)

Important: If you want to open some of menus to everyone that has LEVEL1, the select LEVEL1 for each menu.

- b. If you made any change press **NEXT** button

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6.2.7 Group Commands

MANAGEMENT > CONFIGURATION WIZARD > Group Commands

Group Commands

☒ OTIS
 ☐ OEK/SIGMA

☒	NO	COMMAND NAME	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
☐	0	NO LOBBY BYPASS	☐	☐	☐	☐	☐
☐	1	UP HALL BYPASS	☐	☐	☐	☐	☐
☐	2	CANCEL 2 CAR LOBBY	☐	☐	☐	☐	☐
☐	3	DUAL UP PEAK	☐	☐	☐	☐	☐
☐	4	EMERGENCY POWER OPERATION	☒	☒	☒	☐	☐
☐	5	SECURE ACCESS OPERATION	☐	☐	☐	☐	☐
☐	6	DOWN PEAK OPERATION	☒	☒	☒	☐	☐
☐	7	UP PEAK OPERATION	☒	☒	☒	☐	☐
☐	8	INTERGROUP EPO	☐	☐	☐	☐	☐
☐	9	Reserved	☐	☐	☐	☐	☐
☐	10	SEPERATE RISER OPERATION KE	☐	☐	☐	☐	☐
☐	11	Reserved	☐	☐	☐	☐	☐
☐	12	Reserved	☐	☐	☐	☐	☐
☐	13	Reserved	☐	☐	☐	☐	☐
☐	14	Reserved	☐	☐	☐	☐	☐
☐	15	SES PH. 1	☐	☐	☐	☐	☐
☐	16	SEPERATE RISER OPERATION KE	☐	☐	☐	☐	☐

 DATA RELOAD

 PREV.

 NEXT

 WRITE DATABASE

- a. Select group type between **OTIS** and **SIGMA**.

(If there's only OTIS groups are configured from **Group Setting** then **SIGMA** is not displayed)

- b. Check group command to be used for each group.

(You can check all groups for all group commands by pressing ☒)

(Checkbox below ☒ button will check all group for a checked group command)

- c. If you made any change press **NEXT** button.

For any SIGMA group without group dispatcher, check boxes are disabled since group command is not applicable to such group

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6.2.8 Car Commands

MANAGEMENT > CONFIGURATION WIZARD > Car Commands

Car Commands

☒ OTIS ☐ OEK/SIGMA

☒	NO	COMMAND NAME	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
☐	0	FIREMAN SERVICE II	☐	☐	☐	☐	☐
☐	1	FIREMAN SERVICE I	☐	☐	☐	☐	☐
☐	2	ADVANCED DOOR OPERATION	☐	☐	☐	☐	☐
☐	3	CAR OUT OF GROUP	☐	☐	☐	☐	☐
☐	4	SPEECH HUSH	☐	☐	☐	☐	☐
☐	5	SPEECH MUTE	☐	☐	☐	☐	☐
☐	6	ATTENDENT OPERATION	☒	☒	☒	☐	☐
☐	7	INDEPENDENT OPERATION	☒	☒	☒	☐	☐
☐	8	CAR TO LANDING POSITION	☒	☒	☒	☐	☐
☐	9	PARK & SHUTDOWN	☒	☒	☒	☐	☐
☐	10	Reserved	☐	☐	☐	☐	☐
☐	11	Reserved	☐	☐	☐	☐	☐
☐	12	Reserved	☐	☐	☐	☐	☐
☐	13	EPO - NORMAL OPERATION	☒	☒	☒	☐	☐
☐	14	EPO - RESCUE OPERATION	☒	☒	☒	☐	☐
☐	15	ANTI-NUISANCE	☐	☐	☐	☐	☐

 DATA RELOAD

 PREV.

 NEXT

 WRITE DATABASE

- a. Select group type between **OTIS** or **SIGMA**.

(If there's only OTIS groups are configured from **Group Setting** then **SIGMA** is not displayed)

- b. Check car command to be used for each group.

(You can check all groups for all car commands by pressing ☒)

(Check box below ☒ button will check all group for a checked car command)

For SIGMA group

☐ OTIS ☒ OEK/SIGMA

GROUPS		Group 2									
☒	NO	COMMAND NAME	1	2	3						
☐	0	PARK OPERATION	☐	☐	☐						
☐	1	EMERGENCY OPERATION	☐	☐	☐						
☐	2	RESCUE OPERATION	☐	☐	☐						

- c. (For SIGMA group car commands are configurable for each car)

Select Group and check car command for each car.

- d. If you made any change press **NEXT** button

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6.2.9 Group Parameters

MANAGEMENT > CONFIGURATION WIZARD > Group Parameters

Group Parameters

☒ OTIS
 ☐ OEK/SIGMA

☒	NO	PARAMETER NAME	TYPE	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
☐	0	LOBBY POSITION	Landing	☒	☒	☒	☐	☐
☐	1	Reserved	-----	☐	☐	☐	☐	☐
☐	2	Reserved	-----	☐	☐	☐	☐	☐
☐	3	Reserved	-----	☐	☐	☐	☐	☐
☐	4	Reserved	-----	☐	☐	☐	☐	☐
☐	5	Reserved	-----	☐	☐	☐	☐	☐
☐	6	Reserved	-----	☐	☐	☐	☐	☐
☐	7	Reserved	-----	☐	☐	☐	☐	☐
☐	8	Reserved	-----	☐	☐	☐	☐	☐
☐	9	Reserved	-----	☐	☐	☐	☐	☐
☐	10	Reserved	-----	☐	☐	☐	☐	☐
☐	11	Reserved	-----	☐	☐	☐	☐	☐
☐	12	Reserved	-----	☐	☐	☐	☐	☐
☐	13	Reserved	-----	☐	☐	☐	☐	☐
☐	14	Reserved	-----	☐	☐	☐	☐	☐
☐	15	Reserved	-----	☐	☐	☐	☐	☐

 DATA RELOAD

 PREV.

 NEXT

 WRITE DATABASE

- Select group type between **OTIS** or **SIGMA**.
(If there's only OTIS groups are configured from **Group Setting** then **SIGMA** is not displayed)
- Select **TYPE** for each group parameter.
- Check group parameter to be used for each group.
(You can check all groups for all group parameters by pressing )
(Check box below  button will check all group for a checked group parameter)
- If you made any change press **NEXT** button

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6.2.10 Car Parameters

MANAGEMENT > CONFIGURATION WIZARD > Car Parameters

Car Parameters

☒ OTIS
 ☐ OEK/SIGMA

☒	NO	PARAMETER NAME	TYPE	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 7
☐	0	CAR TO LANDING	Landing	☒	☒	☒	☒	☒	☒	☒
☐	1	VELOCITY PROFIL	Partime	☐	☐	☐	☐	☐	☐	☐
☐	2	LIGHT & FAN TIME	Partime	☐	☐	☐	☐	☐	☐	☐
☐	3	Reserved	Numeric	☐	☐	☐	☐	☐	☐	☐
☐	4	HALL CALL DWELI	Partime	☐	☐	☐	☐	☐	☐	☐
☐	5	CAR CALL DWELL	Partime	☐	☐	☐	☐	☐	☐	☐
☐	6	LOBBY DWELL TIM	Partime	☐	☐	☐	☐	☐	☐	☐
☐	7	REVERSE DWELL	Partime	☐	☐	☐	☐	☐	☐	☐
☐	8	PARK CAR INTER\	Partime	☐	☐	☐	☐	☐	☐	☐
☐	9	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	10	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	11	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	12	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	13	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	14	Reserved	-----	☐	☐	☐	☐	☐	☐	☐
☐	15	Reserved	-----	☐	☐	☐	☐	☐	☐	☐

 DATA RELOAD

 PREV.
  NEXT

 WRITE DATABASE

- Select group type between **OTIS** or **SIGMA**.
(If there's only OTIS groups are configured from **Group Setting** then **SIGMA** is not displayed)
- Select **TYPE** for each group parameter.
- Check car parameters to be used for each group.
(You can check all groups for all car parameters by pressing )
(Check box below  button will check all group for a checked car parameter)
- If you made any change press **NEXT** button

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6.2.11 ELD / VMD Settings

ELD/VMD Settings

GROUPS	Group 1 ▼
--------	-----------

ALLOW ELD 2 FEATURE	☒
FULL SCREEN CAR VIP MESSAGE	☐

ADDR	CAR	TYPE	ADDR	CAR	TYPE	ADDR	CAR	TYPE
1	---	--	22	---	--	43	---	--
2	---	--	23	---	--	44	---	--
3	---	--	24	---	--	45	---	--
4	---	--	25	---	--	46	---	--
5	E00	HALL	26	---	--	47	---	--
6	---	--	27	---	--	48	---	--
7	---	--	28	---	--	49	---	--
8	---	--	29	---	--	50	---	--
9	---	--	30	---	--	51	---	--
10	---	--	31	---	--	52	---	--
11	---	--	32	---	--	53	---	--
12	---	--	33	---	--	54	---	--
13	---	--	34	---	--	55	---	--
14	---	--	35	---	--	56	---	--

a. ELD for only OTIS

- Select group to be configured from **GROUPS**.
- Checks **ALLOW ELD 2 FEATURES** if ELD2 type is installed.
- Check **FULL SCREEN CAR VIP MESSAGE** if needed.
- Select **CAR** and **TYPE** for each ELD **ADDR**.
- If you made any change press **NEXT** button.

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MANAGEMENT > CONFIGURATION WIZARD > ELD/VMD Settings

ELD/VMD Settings

GROUPS	Group 2 ▼
CAR	E21 ▼
HALL TYPE	☐ 8 char ☒ 10 Char
CAR TYPE	☒ 8 char ☐ 10 Char

USE	TYPE	FLOOR	USE	TYPE	FLOOR	USE	TYPE	FLOOR
☐	CAR	E21	☐	HALL	6	☐	HALL	13
☐	HALL	B1	☐	HALL	7	☐	HALL	14
☐	HALL	1	☐	HALL	8	☐	HALL	15
☐	HALL	2	☐	HALL	9	☐	HALL	16
☐	HALL	3	☐	HALL	10	☐	HALL	17
☐	HALL	4	☐	HALL	11	☐	HALL	18
☐	HALL	5	☐	HALL	12	☐	HALL	19

 DATA RELOAD
  PREV.
  NEXT

 WRITE DATABASE

b. VMD for only OEK products

- Select group to be configured from **GROUPS**.
- Select car to be configured from **CAR**.
- Check CAR or HALL to be used.
- If you made any change press **NEXT** button.

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6.2.12 Communication

MANAGEMENT > CONFIGURATION WIZARD > Communications

Communications

OTIS

	CHANNEL	SPEED	BIT	PARITY	STOP BIT
TEMPERATURE	No Channel	300	7Bit	none	1 stop bit
ECI	No Channel	300	7Bit	none	1 stop bit
High Level Security	No Channel	300	7Bit	none	1 stop bit
GROUP 1	COM1	9600	8Bit	odd	1 stop bit

EVENT	REP	BELL	REPEAT	5
-------	-----	------	--------	---

DATA RELOAD

PREV.

NEXT

WRITE DATABASE

a. For OTIS ONLY

- Select group type **OTIS** between **OTIS** or **SIGMA**.
(If there's only OTIS groups are configured from **Group Setting** then **SIGMA** is not displayed)
- Select **PC COMMUNICATION** tab
- Select **CHANNEL**, **SPEED**, **BIT**, **PARITY** and **STOP BIT** for **TEMPERATUER**, **ECI**, **High Level Security** and all Otis **Groups**
- Select **EVENT** and **REPEAT** you want to choose
- If you made any change, press **ICSS COMMUNICATION** tab or **NEXT** button

Communications

OTIS

	CHANNEL	SPEED	BIT	PARITY	STOP BIT	
DISPLAY 1	No Channel	300	7Bit	none	1 stop bit	
DISPLAY 2	No Channel	300	7Bit	none	1 stop bit	
ELD	No Channel	300	7Bit	none	1 stop bit	
EMS	No Channel	300	7Bit	none	1 stop bit	
ECI	No Channel	300	7Bit	none	1 stop bit	
RING	L	No Channel	300	7Bit	none	1 stop bit
	R	No Channel	300	7Bit	none	1 stop bit

	DEVICE	USE/TIME	INI	UPDATE	EVENT	REPEAT
DISPLAY 1	EGA	NON/REFR	0	0	--	0
DISPLAY 2	EGA	NON/REFR	0	0	--	0

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- f) Select group to be configured from **GROUPS**.
- g) Select **CHANNEL**, **SPEED**, **BIT**, **PARITY** and **STOP BIT** for **DISPLAY 1**, **DISPLAY 2**, **ELD**, **EMS**, **ECI** and **RIGN L / R**.
- h) Select **EXTENSTION SETTING** for **DISPLAY 1** and **DISPLAY 2**.
- i) If you made any change, press **ECI SETTING** tab or **NEXT**.

Communications

OTIS

PC Communication ICSS Communication **ECI** BMS Alarm output LPT

MAIN STATION		
MASTER ADDRESS	CHECKSUM	PROTOCOL
32	No Checksum	Dumb terminal
RETRIES	TIMEOUT INSIDE BLOCKS	TIMEOUT BETWEEN BLOCKS
0		

ICSS		
MASTER ADDRESS	CHECKSUM	PROTOCOL
32	No Checksum	Dumb terminal
RETRIES	TIMEOUT INSIDE BLOCKS	TIMEOUT BETWEEN BLOCKS
0		

ECI Password					
Level 0	Level 1	Level 2	Level 3	Level 4	Level 5
EMS1	EMS2	EMS3	EMS4	EMS5	EMS6

- j) Select **MASTER ADDRESS**, **CHECKSUM**, **PROTOCOL**, **RETRIES**, **TIMEOUT INSIDE BLOCKS** and **TIMEOUT BETWEEN BLOCKS** for **MAIN STATION** and **ICSS**.
- k) Enter **ECI Password** from **Level 0** to **Level 5**.
- l) If you made any change, press **BMS** or **NEXT**

MANAGEMENT > CONFIGURATION WIZARD > Communications

Communications

OTIS

PC Communication ICSS Communication ECI **BMS** Alarm output LPT

Auto Shutdown	Auto Shutdown Rest	Partial Mode	Express Priority Service	Independent Service
☒	☒	☒	☒	☒

DATA RELOAD

PREV.

NEXT

WRITE DATABASE

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m) Check desired BMS functions.

n) If you made any change, press **Alarm output LPT** or **NEXT** button.

MANAGEMENT > CONFIGURATION WIZARD > Communications

Communications

☒ OTIS

Output Name	Debounce [second(s)]	Pulse [second(s)]	Repetition [minute(s)]
Alarm Output Settings	5	1	1

 DATA RELOAD

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 WRITE DATABASE

o) If you wish to ring with external alarm device whenever alarms were happened, please enter **Debounce**, **Pulse** and **Repetition** value.

(Default value : Debounce=5, Pulse=1, Repetition=1)

p) If you made any change, press **NEXT** button.

b. For SIGMA ONLY

MANAGEMENT > CONFIGURATION WIZARD > Communications

Communications

☐ OTIS ☒ OEK/SIGMA

GROUP	Group 2							
CAR	E21	E22	E23	E24				
NODE	1	2	3	4				

 DATA RELOAD

 PREV.  NEXT

 WRITE DATABASE

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- Select group to be configured from **GROUPS**.
- Select **DISPATCHER** to be configured.
- Select **NODE** for each car. (**Number of each Node should be unique**)
- If you made any change, press **NEXT** button.

6.2.13 Operation Modes

Operational Modes

☒ OTIS
 ☐ OEK/SIGMA

☒	NO	NAME	TYPE	CLASS	Group 1			
☐	0	NAV	ALARM	Out Of Service	☒			
☐	1	EPC	EVENT	Out Of Service	☒			
☐	2	COR	---	Out Of Service	☒			
☐	3	EFS	ALARM	Special Mode	☒			
☐	4	EFO	ALARM	Special Mode	☒			
☐	5	SWY	ALARM	Special Mode	☒			
☐	6	EPR	EVENT	Special Mode	☒			
☐	7	EPW	EVENT	Special Mode	☒			
☐	8	OLD	EVENT	Special Mode	☒			
☐	9	ISC	EVENT	Special Mode	☒			
☐	10	ATT	ALARM	Special Mode	☒			
☐	11	DTC	EVENT	Out Of Service	☒			
☐	12	DTO	ALARM	Out Of Service	☒			
☐	13	CTL	EVENT	Special Mode	☒			
☐	14	CHC	EVENT	Special Mode	☒			
☐	15	LNS	---	Special Mode	☒			

0	EDIT MESSAGE	
---	--------------	----------------------

#	EDIT CLEAR MESSAGE	CLEAR
---	--------------------	----------------------------

- Enter **NAME** for all available Operation Modes.
- Select **TYPE** and **CLASS** for each Operation Mode.
- Click on each number under **NO** and enter **MESSAGE** and **CLEAR MESSAGE** for selected Operation Mode.
- Check Operation Modes to be used for each group.
 (You can check all groups for all Operation Modes by pressing ☒)
 (Check box below ☒ button will check all group for a checked Operation Modes)
- If you made any change, press **NEXT** button.

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6.2.14 Load Modes

MANAGEMENT > CONFIGURATION WIZARD > Load Modes

Load Modes

☒	NO	NAME	TYPE	Group 1	Group 2				
☐	0	EMPT	---	☐	☐				
☐	1	NORM	---	☐	☐				
☐	2	FULL	ALARM	☒	☐				
☐	3	OVER	ALARM	☒	☐				
☐	4	PEAK	ALARM	☒	☐				

0	ON MESSAGE	LOAD: EMPTY
	OFF MESSAGE	

 DATA RELOAD

 PREV.

 NEXT

 WRITE DATABASE

- Enter **NAME** for all available Load Modes.
- Select **TYPE** for each Load Modes.
- Click on each number under **NO** and enter **ON MESSAGE** and **OFF MESSAGE** for selected Load Modes.
- Check Load Modes to be used for each group.
(You can check all groups for all Load Modes by pressing )
(Check box below  button will check all group for a checked Load Modes)
- If you made any change, press **NEXT** button.

6.2.15 TCD Codes

NOTE: This menu is available only for the system that has SIGMA elevators.

- Select **TCD TYPE**.
- Check or uncheck each trouble code which you want.
- Click **NEXT**.

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MANAGEMENT > CONFIGURATION WIZARD > TCD Codes

TCD Codes

TCD TYPE		DI LOW (DI1) ▼	
----------	--	----------------	--

NO	☒	TCD NAME	NO	☒	TCD NAME
1	☐		2	☐	
3	☐		4	☐	
5	☐	OPERATION CPU SW WDT ERROR	6	☐	MEMORY ALLOCATION FAIL
7	☐	TASK CREATION FAIL	8	☐	SEMAPHORE CREATION FAIL
9	☒	OPERATION CPU SW WDT TIMER C	10	☐	
11	☐		12	☐	
13	☐		14	☐	
15	☐		16	☒	SPEED CPU HW WDT ERROR
17	☒	SPEED CPU RETRY ERROR	18	☐	

 DATA RELOAD
  PREV.
  NEXT

 WRITE DATABASE

6.2.16 SIGMA Special Modes

MANAGEMENT > CONFIGURATION WIZARD > LG Special Modes

SIGMA Special Modes

NO	NAME	DESCRIPTION
0	Power Company	Power Company
1	Self Generation	Self Generation
2	Self Generation Operati	Self Generation Operation
3	Self Generation Finishe	Self Generation Finished
4	Fire	Fire
5	Fire Finished	Fire Finished
6	Earthquake	Earthquake
7	Earthquake Finished	Earthquake Finished
8	Out of Order	Out of Order

 DATA RELOAD
  PREV.
  NEXT

 WRITE DATABASE

NOTE: This menu is available only for the system that has SIGMA elevators.

- Enter Name of each SIGMA Special Mode if you need to change it.
- Enter Description for each mode if you need to change it.
- Click **NEXT**.

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6.2.17 SIGMA Group Modes

MANAGEMENT > CONFIGURATION WIZARD > LG Group Mode

SIGMA Group Mode

NO	NAME	DESCRIPTION
0	NORMAL	GROUP NORMAL
1	UP PEAK	UP PEAK
2	DOWN PEAK	DOWN PEAK
3	BEFORE LUNCH	BEFORE LUNCH
4	INACTIVITY	INACTIVITY
5	AFTER LUNCH	AFTER LUNCH
6	CROWD NORMAL	CROWD NORMAL
7	SPE. F. CROWD	SPE. F. CROWD
8	DISCON	DISCON
9		
10		
11		
12		
13		
14		

NOTE: This menu is available only for the system that has SIGMA elevators.

a. Enter the name of Group modes of SIGMA controller.

b. Enter the description of each Mode.

Now all configuration of Sigma NET is done, please click button for saving configuration

NOTE:

After configuration, **BE SURE TO** click button to store changed configuration into database.

[Available only for the system that has Otis elevators]

This action also creates ROM files for ICSS (bin and hex) as

%Sigma NET Installation Directory%\ROMfile\ (group_name).bin or (group_name).hex.

It also makes hex files for even and odd.

Use these files to burn contract chips for ICSS (Z34 and Z49).

Important

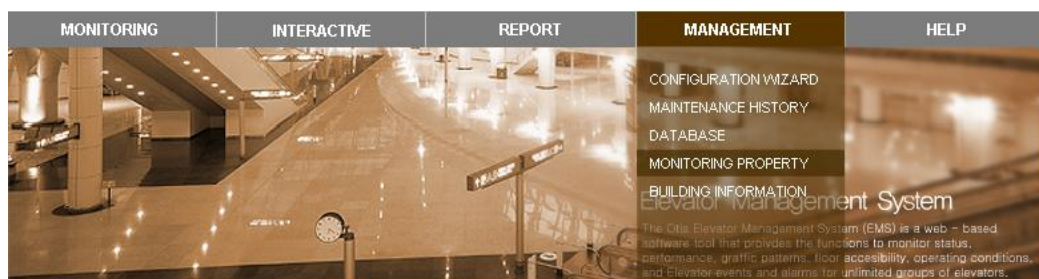
After you have finished **CONFIGURATION WIZARD**, you must exit Sigma NET Core program and then start Sigma NET Core program again

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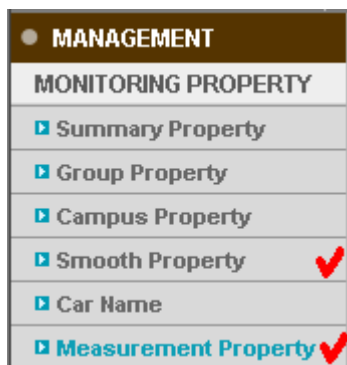
6.3 Configuration of Monitoring Property

Sigma NET Group Display provides smooth movement of elevator in hoistway. In order to support this function, user must configure smooth display property according to the elevator information (velocity and acceleration) as well as building floor information (floor height). From the smooth display, user can visually perceive the position of elevator in hoistway with more realistic and easier representation. To open Smooth Display property page

- Select **MONITORING PROPERTY** under **MANAGEMENT** of main menu.



- Select **MONITORING PROPERTY** from **MANAGEMENT** menu.



Smooth Property uses meter and second for length and time unit respectively as default. You can change these unit from 'Measurement Property' if need.

Important

If Smooth Property is not correctly configured or skipped, there may be miss-match in elevator position or jerky movement

6.3.1 Measurement Property

This page is to change length and time units used in Smooth Property.

There are three types of length unit option you can choose; millimeter (mm), meter (m) and feet (ft). Second(s) and minute(s) are allowed for speed time unit.

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Measurement Property

Time Unit	☐ 12Hour (Hr) ☒ 24Hour (Hr)
-----------	--

Length Unit	☒ Millimeter (mm) ☐ Meter (m) ☐ Feet (ft)
-------------	--

Speed Time Unit	☒ second ☐ minute
-----------------	--



a. Select Length Unit and Speed Time Unit.

b. If you made any change press **SAVE**.

6.3.2 Landing Floor Height

MANAGEMENT > MONITORING PROPERTY > Smooth Property

Smooth Property

GROUP	GROUP 1
-------	---------

Landing Floor Height (mm)									
Floor	Height	Floor	Height	Floor	Height	Floor	Height	Floor	Height
1	4000	2	4000	3	4000	4	4000	5	4000
6	4000	7	4000	8	4000	9	4000	10	4000
11	4000	12	4000	13	4000	14	4000	15	4000
16	4000	17	4000	18	4000	19	4000	20	4000
21	4000	22	4000	23	4000	24	4000	25	4000
26	4000	27	4000	28	4000	29	4000	30	4000
31	4000	32	4000	33	4000	34	4000	35	4000
36	-----								



a. Select a group to be configure from **GROUP**.

b. Enter actual floor **Height** of each Floor in millimeter.

Group in above picture has express zone starts at 11th floor. In this case, you are to enter sum of all floor heights within express zone as 11th floor's height.

14 floors within express zone (4000mm * 14 floors = 56000mm)

c. If you made any change press **SAVE** and then **NEXT** button. If there's no change, just press **NEXT**.

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Note

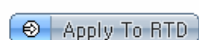
If there's any change in selected group, be sure to **SAVE** before moving to other **GROUP's**

6.3.3 Speed Profile

MANAGEMENT > MONITORING PROPERTY > Smooth Property

Smooth Property

GROUP	GROUP 1		
Car	E01		
Acceleration Rate	1700 mm ² /second	Maximum Velocity	5000 mm/second
Apply Current Setting			
E01	☒	E02	☐
E03	☐	E04	☐

 Apply To RTD

 SAVE

 PREV.

- Select a group to be configured from **GROUP**
- Select a car to be configured from **CAR**
- Enter **Acceleration Rate** in m^2/sec for selected car.
- Enter Maximum Velocity in $m/minute$ for selected car
- Check any other cars to be configure as selected car from **Apply Current Setting**
- If you made any change press **SAVE**.

Note

If there's any change in selected car, be sure to **SAVE** before changing to other **GROUP's** or **CAR's**

Press  to apply any change to Rear Time Display

6.4 Import Configuration Data into New System

Sigma NET system also supports importing configuration data from previous to new version in order to reduce configuration time manually

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Old System

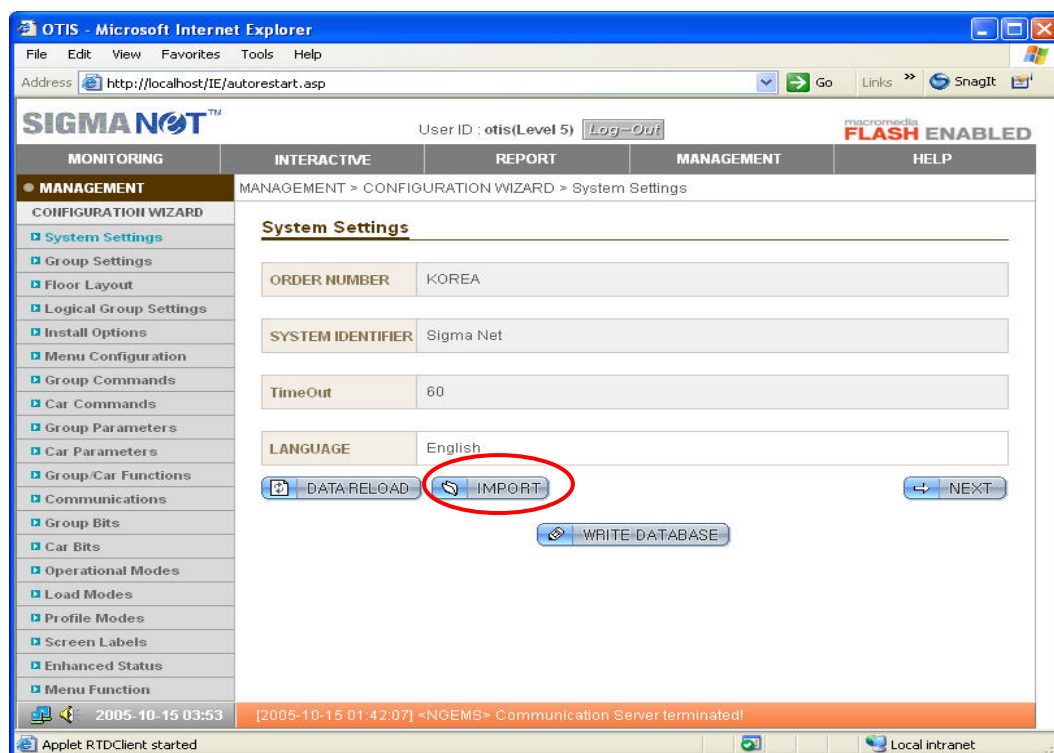
Dos EMS, Win EMS 1.2
Win EMS 1.6, Win EMS 1.7
Old Sigma NET version

New System

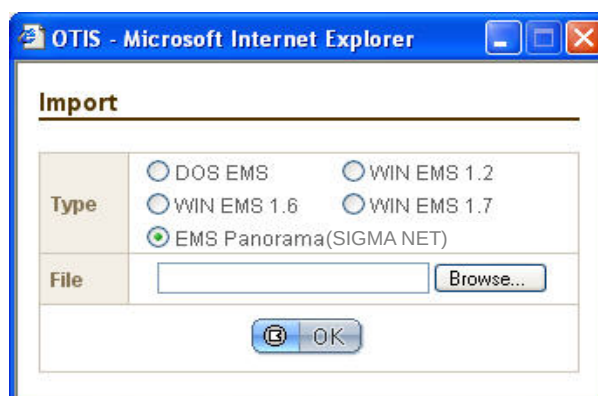
New Sigma NET version

To import data

- Select '**MANAGEMENT**' → '**CONFIGURATION WIZARD**' → '**System Settings**' menu

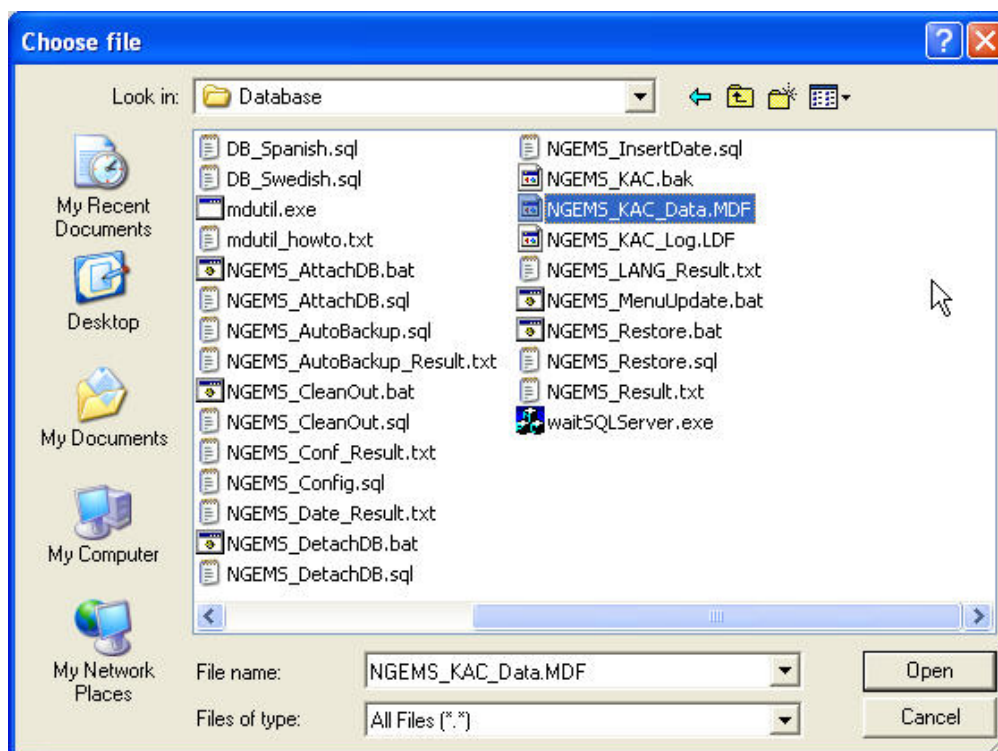


- Click on **IMPORT** button. You can see following window.



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- c. Select database **Type** which wish to import and click on **Browse** button.



- d. Browse and navigate the folders to find your old database file.
(*.DAT, *.MDB, *.MDF)
- e. If you find the file, select it and then click **Open**.
- f. Click **OK** when you get back to previous window.

Important

If you imported configuration from old Sigma NET (DOS, EMS 1.2, EMS 1.6, and EMS 1.7) then you should configure the **PC Communication CHANNEL** in manual (refer to section **"5.2.12 Communication"**)

6.5 Localization of Menu and Labels on Web Pages

6.5.1 Menu

You can change the menu labels displayed on Sigma NET for localization by editing text files in the directory that Sigma NET was installed

- a. Search the word or sentence to be changed from the files in directory
%NGEMS Installation Directory%\Database

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The files are;

DB_Chinese.sql, DB_ChineseT.sql, DB_Czech.sql, DB_Danish.sql, DB_English.sql,
DB_Finnish.sql, DB_French.sql, DB_German.sql, DB_Italian.sql, DB_Japanese.sql,
DB_Korean.sql, DB_Polish.sql, DB_Portuguise.sql, DB_Russian.sql, DB_Slovak.sql,
DB_Spanish.sql, DB_Swedish.sql

b. Change the text found with editor functions such as “Search and Replace” and then save the file. If you find more than one word that matches to the word to be changed, you have to do ‘change and check’ all candidates one by one.

c. Run

%NGEMS Installation Directory%\Database\MenuUpdate.BAT
after text file modification.

d. Check if the text was successfully changed by opening the web page.

6.5.2 Label, Messages and Description

You can change the text displayed on web pages when some label or messages should be changed during localization. There are three kinds of text data; *Label, Message, Description*. You can change the text by editing text file in web directory.

a. Search the word or sentence to be changed from the following files listed here;

<Label>

For Monitoring pages:

%default_web_home_directory%\IE\monitoring\LABEL_xxx.TXT

For Interactive pages:

%default_web_home_directory%\IE\Interactive\LABEL_xxx.TXT

For Management pages:

%default_web_home_directory%\IE\Management\LABEL_xxx.TXT

For Reports pages:

%default_web_home_directory%\inc\REPORT_xxx.TXT

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<Message>

%default_web_home_directory%\inc\MESSAGE_xxx.TXT

<Description>

%default_web_home_directory%\inc\DESCRIPTION_xxx.TXT

In most case, %default_web_home_directory% indicates "C:\inetpub\wwwroot"

"xxx" in TXT file name indicates respective language currently supported;

chi: Simplified Chinese / **cht**: Traditional Chinese

cze: Czech / **dan**: Danish / **eng**: English / **fin**: Finnish

fre: French / **ger**: German / **jap**: Japanese / **kor**: Korean

pol: Polish / **por**: Portuguese / **rus**: Russian / **slo**: Slovak

spa: Spanish / **swe**: Swedish

- b. Change the text found with editor functions such as "**Search and Replace**" and then save the file. If you find more than one word that matches to the word to be changed, you have to do '**change and check**' all candidates one by one.
- c. Check if the text was successfully changed by opening the web page.

Note

Be sure to follow the rules while editing text file.

1. Never delete '/'(slash) mark in the text file.
2. "\n" in the text means new line.
3. Don't leave blank line at the end of text file.

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7 The known Bug Report at KAA30966AAC

This section describes the known bugs that were found during the internal test at OECL. It can help you reduce the time to bother you when you installing Sigma NET on your computer.

If you copy all the files from installation CD to a certain directory in the hard disk of Sigma NET PC, it can't install Sigma NET when you try to install it to the same directory you copied