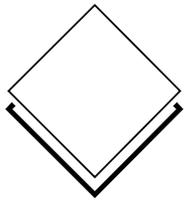


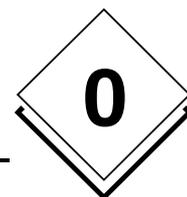
Time Profile ZP3600 Web

User's Manual

7001068003 S5

This description corresponds to the current state of version 2.0 of the programme. Modifications may be made without prior notification.





1 EY3600 Web Time Programme	7
1.1 Required Environment.....	7
1.2 Installation	8
1.2.1 novaPro Open ZP3600 Web server:.....	8
1.2.2 novaPro Open ZP3600 Data server:.....	10
1.3 Required novaPro Open Setup.....	12
1.3.1 Station name:.....	12
1.3.2 Tags	12
Format of nPO tags:.....	12
Setup of tags	13
2 Starting the Application	15
2.1 Launching ZP3600 Web	15
2.2 Login	16
3 General Setup	17
3.1 User.....	17
3.2 Addresses	19
3.2.1 Importing from a "ZP_EY3600.ini" file.....	19
3.2.2 Manual setup	19
3.2.2.1 PDM Name.....	20
3.2.2.2 VPI	20
3.2.2.3 AS (EY3600 controller).....	21
3.2.2.4 Physical address (Tag).....	21
4 Time programmes Setup.....	23
4.1 Time programme sets.....	23
4.2 Address groups	24
4.2.1 Symbols used	24
4.2.2 Setup of a new group.....	25
4.2.3 Definition of addresses.....	26
4.2.4 Definition of states.....	27
4.2.4.1 Manual	27
4.2.4.2 Automatic Recovery	27
4.2.5 Definition of actions by address and state	28
4.2.6 Definition of time programmes in graphical mode.....	29
4.2.7 Definition of time programmes in list mode.....	31
4.3 Address (Tag).....	32
4.4 HDB (Historical database)	34
5 Calendar	35
5.1 New calendar	35
5.2 Assignment of a replacement day.....	36
5.2.1 List of replacement days	36
5.3 Deletion of a replacement day	37



Table of contents

5.4 AS / Calendar Assignment	37
5.5 Reading the calendar of an AS.....	38
5.6 Transmitting a calendar	39
6 Calling from a novaPro Open Image	41



Trademarks

Designer	Trademark of Micrografx, Inc.
Micrografx Designer	Trademark of Micrografx, Inc.
Media Manager	Trademark of Micrografx, Inc.
Windows	Trademark of Microsoft Corporation
Microsoft Office 97 Professional	Trademark of Microsoft Corporation
MS Office	Trademark of Microsoft Corporation
Microsoft Access 97	Trademark of Microsoft Corporation
Microsoft Office 2000	Trademark of Microsoft Corporation
Microsoft Word	Trademark of Microsoft Corporation
Acrobat Reader	Adobe Systems Incorporated
Pentium	Trademark of Intel Corporation





1 EY3600 Web Time Programme

By the means of the calendar and time schedules that are based on it, it is possible to determine the timing behaviour of automation station addresses (AS). In the calendar, replacement days (non-working days, special days, etc) are configurable and allow adaptation of the annual calendar.

The calendar, as well as the time schedules, are stored and executed at the level of the AS.

The ZP_EY3600-Web time programme allows reading and writing time schedules in any AS present on the novaPro Open network.

Setups of time schedules and calendars are also stored at the level of the ZP3600 Web server.

Before performing a new setup or modifying an existing setup, it is advised to update parameters by making a reading of the relevant AS time schedules or calendar.

1.1 Required Environment

Before installing the ZP3600 Web application, verify that your hardware meets the following requirements:

Hardware:

Processor:	Pentium III	1 GHz
Hard disk:	Sufficient disk space free for the databases	
Memory:	256 Mbytes	

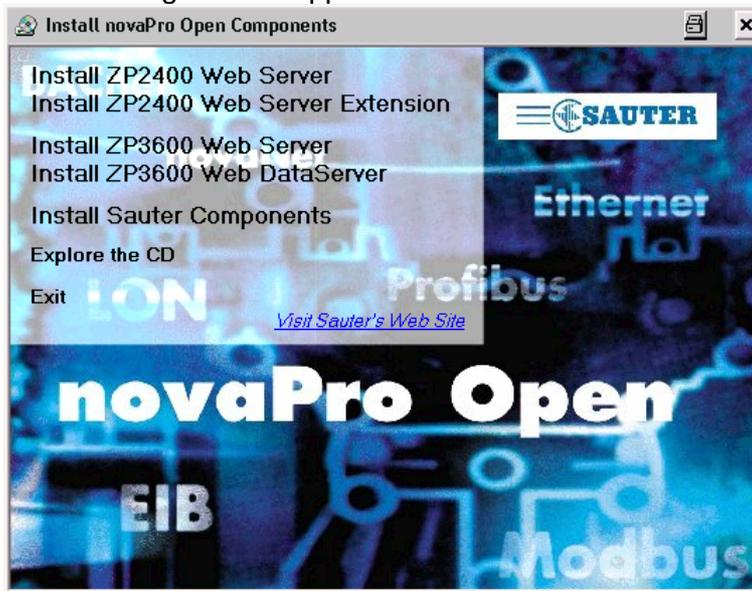
Software:

Operating System:	Microsoft Windows 2000, 2000 Server, XP Professional
Software Programmes:	novaPro Open 1.12 or later
	Internet Information Server 5.0
	Internet Explorer Navigator 6.0 SP1

1.2 Installation

Insert the CD 2/2 in its disk drive.

The following window appears on the screen:



novaPro Open ZP3600 Web installation:

Two ZP3600 Web installations are proposed:

- **Install novaPro Open ZP3600 Web server:**
This installation must always be executed on a PC where IIS (Internet Information Services) and novaPro Open ZP3600 data server software are found.
- **Install novaPro Open ZP3600 Data server:**
This installation must be performed on the same PC as the "novaPro Open ZP3600 Web server" software and on a novaPro Open PC (PDM, Work station or Web-Server)

1.2.1 novaPro Open ZP3600 Web server:

This installation must always be executed on a PC where IIS (Internet Information Services) and "novaPro Open ZP3600 Data server" software are found.

Select "Install novaPro Open ZP3600 Web server":



Choice of installation language. The application language automatically adapts to the language defined in the regional options of the setup parameters in the operating system or the Internet options.

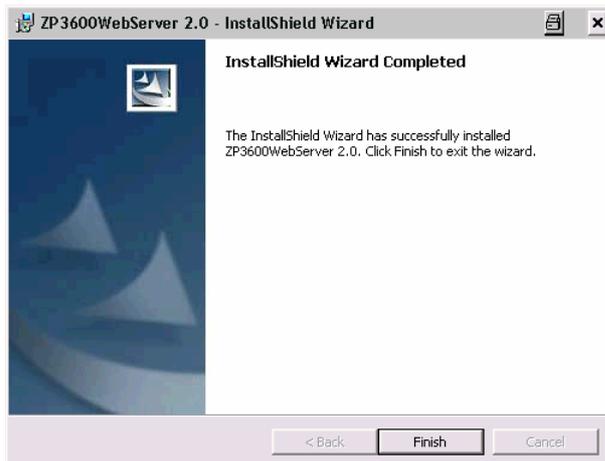


Click on "Next".



Click on "Install".

Installation starts



Click on "Finish".



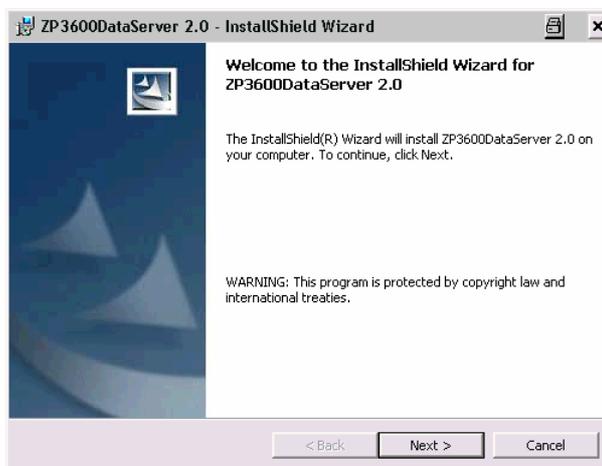
1.2.2 novaPro Open ZP3600 Data server:

This installation must be performed on the same PC as the "novaPro Open ZP3600 Web server" software and on a novaPro Open PC (PDM, Work station or Web-Server)

Select "Install novaPro Open ZP3600 Data server":



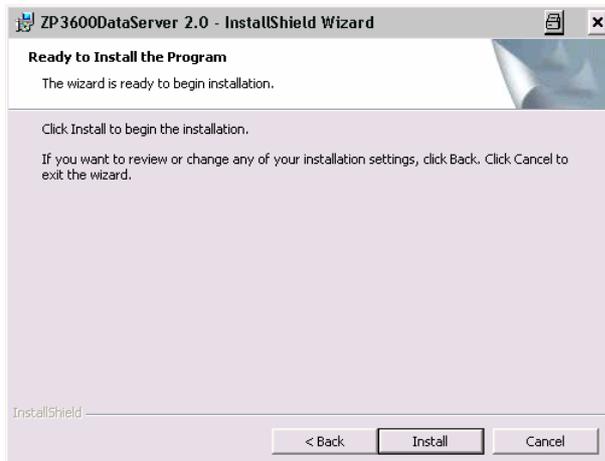
Choice of installation language



Click on "Next".



Click on "Next" to install in the folder proposed by default,
or
Click on "Change..." to select another installation folder.



Click on "Install"

The installation starts



Click on "Finish".

Installation of the Data-Server is finished.

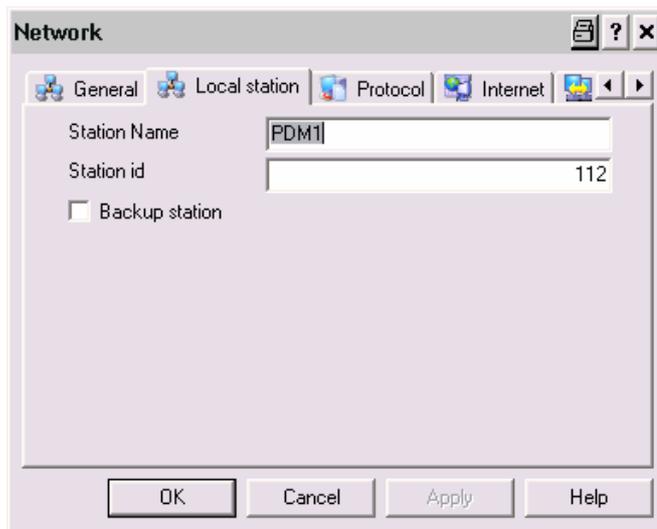


1.3 Required novaPro Open Setup

So that the ZP3600 Web time profile can function, it is necessary that certain parameters as well as variables are installed.

1.3.1 Station name:

In the "Local station" tab of the "Network" dialogue box in novaPro Open, enter the name as well as the number of the station.



1.3.2 Tags

Certain tags are necessary for reading and transmitting AS time schedules and calendars.

Format of nPO tags:

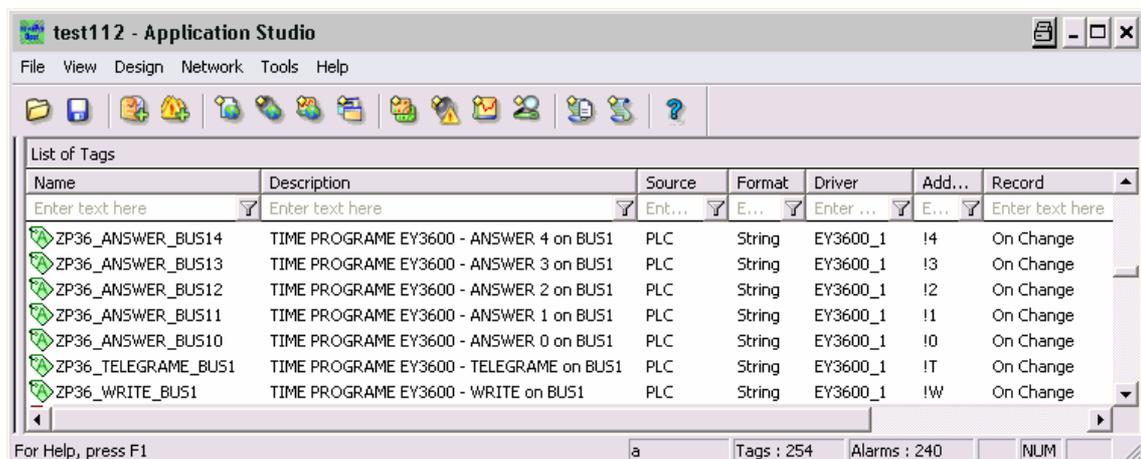


Figure 1

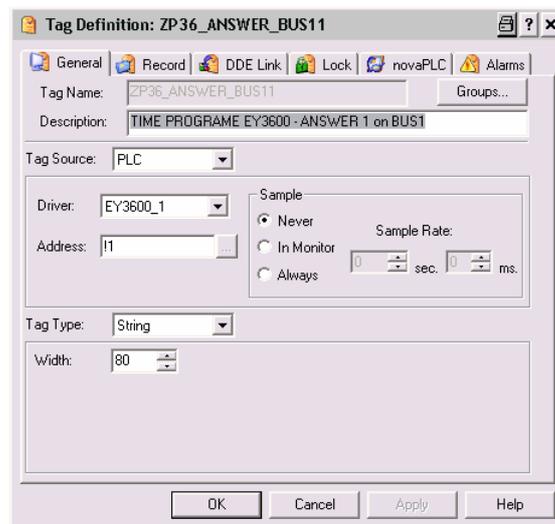
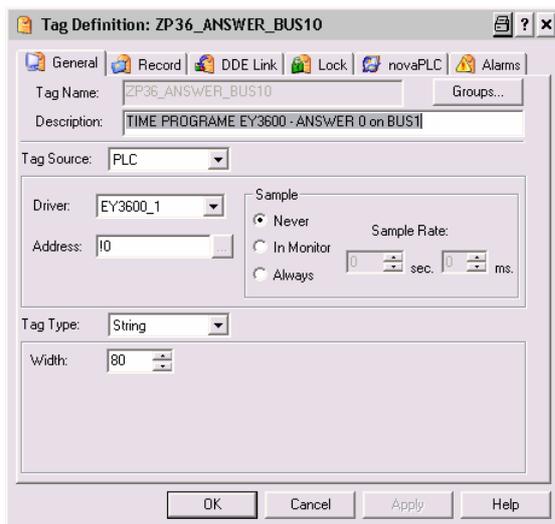
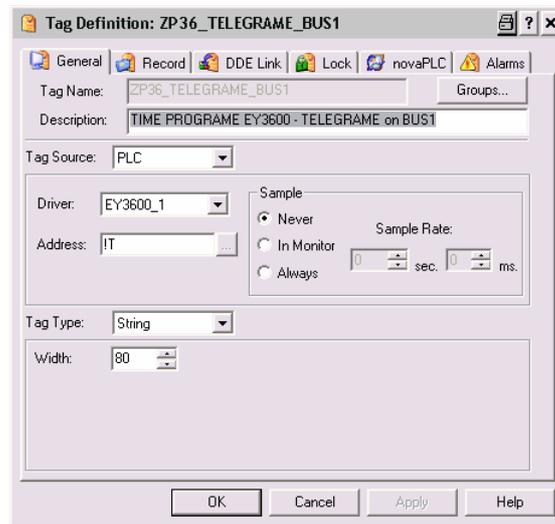
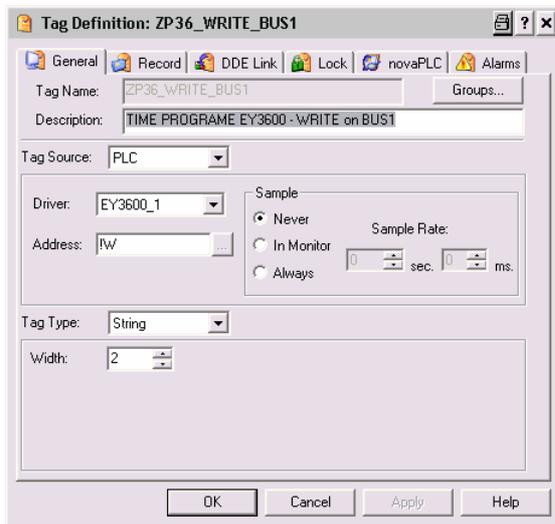
Figure 1 shows the format of novaPro Open tags for a given bus (BUS 1). It is necessary to verify that this group of 7 tags exists in the list of tags for each bus (VPI).

Comments:

If you use the CONV_EY3600.exe conversion tool that makes a conversion of the "BMTLEXPOR.T.MDB" file to csv files for importing tags and alarms, these tags are automatically generated.

The ZP_EY3600.ini file can be automatically generated using the same tool. To create a file relative to several BMT's, you must perform several conversions and concatenate the contents of all the files in the ZP_EY3600.ini definitive file.

Setup of tags





Tag Definition: ZP36_ANSWER_BUS13

General | Record | DDE Link | Lock | novaPLC | Alarms

Tag Name: ZP36_ANSWER_BUS13 Groups...

Description: TIME PROGRAMME EY3600 - ANSWER 3 on BUS1

Tag Source: PLC

Driver: EY3600_1

Address: I3

Sample:
 Never
 In Monitor
 Always

Sample Rate: 0 sec. 0 ms.

Tag Type: String

Width: 80

OK Cancel Apply Help

Tag Definition: ZP36_ANSWER_BUS12

General | Record | DDE Link | Lock | novaPLC | Alarms

Tag Name: ZP36_ANSWER_BUS12 Groups...

Description: TIME PROGRAMME EY3600 - ANSWER 2 on BUS1

Tag Source: PLC

Driver: EY3600_1

Address: I2

Sample:
 Never
 In Monitor
 Always

Sample Rate: 0 sec. 0 ms.

Tag Type: String

Width: 80

OK Cancel Apply Help

Tag Definition: ZP36_ANSWER_BUS14

General | Record | DDE Link | Lock | novaPLC | Alarms

Tag Name: ZP36_ANSWER_BUS14 Groups...

Description: TIME PROGRAMME EY3600 - ANSWER 4 on BUS1

Tag Source: PLC

Driver: EY3600_1

Address: I4

Sample:
 Never
 In Monitor
 Always

Sample Rate: 0 sec. 0 ms.

Tag Type: String

Width: 80

OK Cancel Apply Help

2 Starting the Application

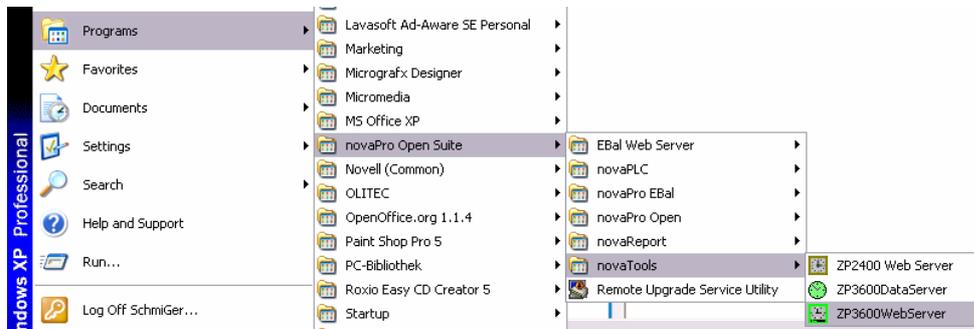
Similarly to "ZP3600 Data-server", novaPro Open must be started before launching ZP3600 Web.

Automatic execution of "ZP3600 Data-server" can be configured at the level of novaPro Open (see user manual 7000977, novaPro Open I, chapter 5: Definition of system options, application configuration).

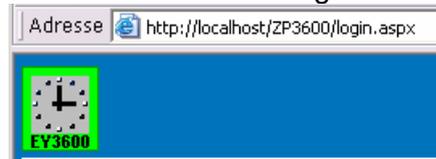
At the first start-up of "ZP3600 Data-server", a database in "mdb" format, as well as a "ZP3600" folder, are installed under the novaPro Open active project.

2.1 Launching ZP3600 Web

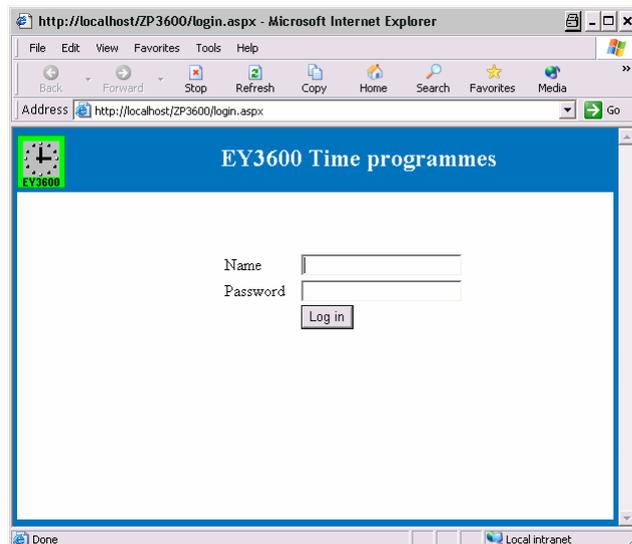
Launch **ZP3600 Web** with "Start – Programmes – novaPro Open Suite – novaTools - ZP3600 Web Server":



or with the Internet navigator:



An initialisation window is displayed:





2.2 Login

In the corresponding fields, enter the user name as well as the password and confirm these entries by pressing the "Login" button.

Name

Password

BY default, the password is:

Name: Sauter
Password: 12345

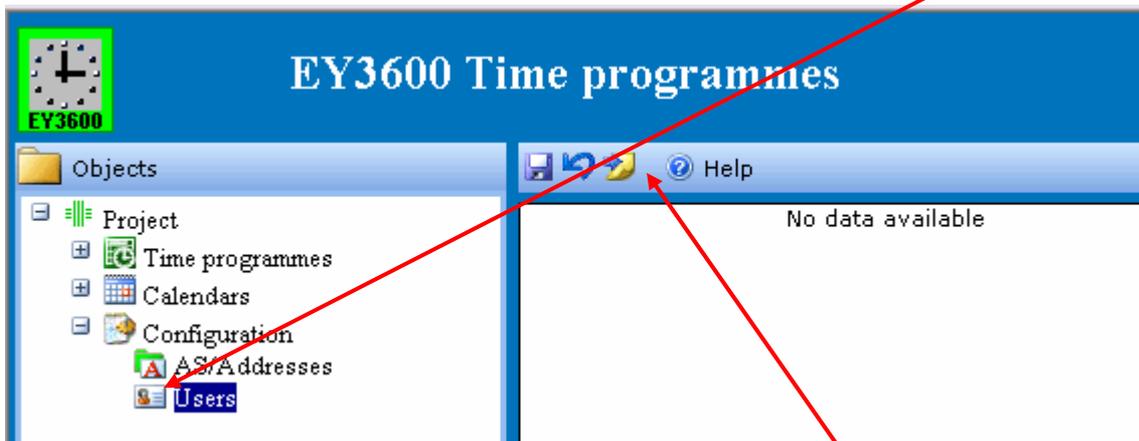
3 General Setup

3.1 User

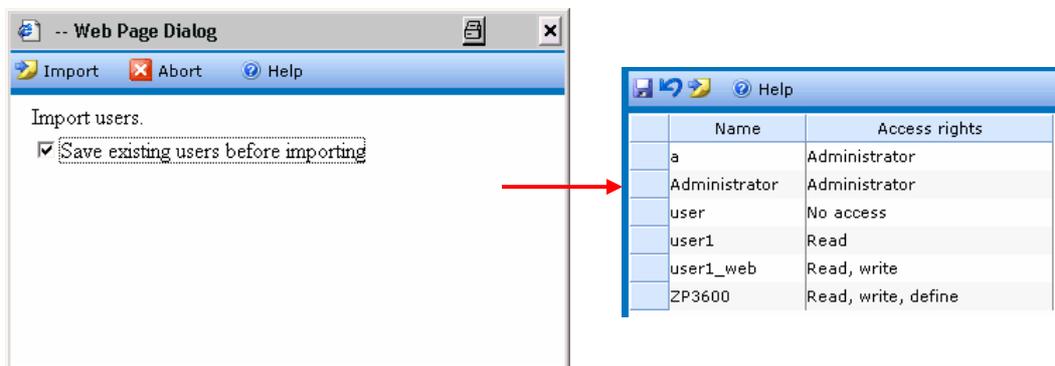
The ZP36000 Web functions are only accessible to authorised personnel. An operator is identified by the system with a user name and a password. The user name and password are comparable to a personal key.

Due to the password taken from the novaPro Open application, the rights of different users can be individually assigned and are set up in the ZP3600 Web application.

The "User Administration" section of the window is displayed by clicking on the "User" icon of the navigator



Importing novaPro Open users is performed by clicking on the "Import" icon.



The "User Administration" window is displayed after having clicked on "Import" in the list of all users stored in the novaPro Open application. By default, access rights are set to "No access" for all users that have not been allocated to a predefined group. Only users with administrator rights can assign or modify the rights of other users



General Setup

Predefined group in novaPro Open:

nPO group	ZP3600 Web Rights
Administrator	Administrator
ZP3600_R	Read only
ZP3600_RW	Read and write
ZP3600_RWD	Read, write and definition

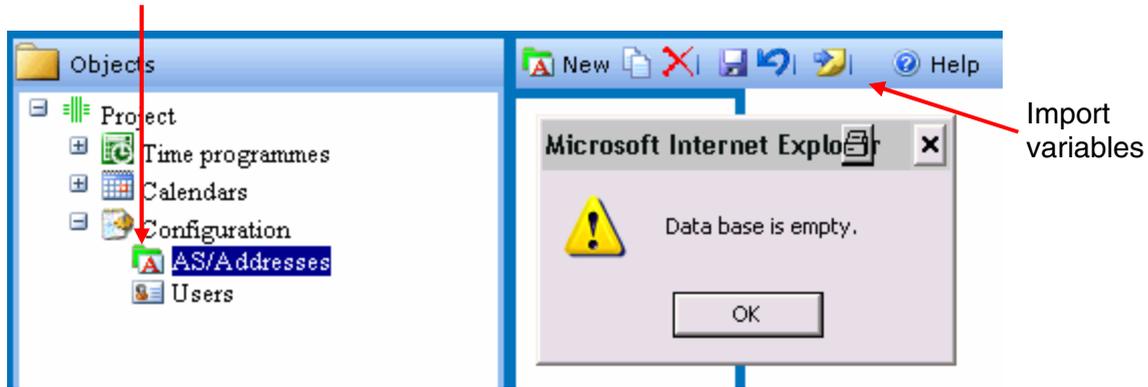
Four levels of access rights exist:

- **Administrator:** The highest level, with all rights (All configurations and modifications of values).
- **Read, write and definition:** Level which allows all operations, except definition of users.
- **Read and write:** A level that allows defining and modifying time schedules and calendars, as well as writing and reading them from AS's.
- **Read only:** Possibility of consulting time schedules and calendars.
- **No access:** No operation is possible.

After a modification, it is always necessary to make a backup by clicking on the "Save" icon.

3.2 Addresses

The "AS/Addresses" section of the window is displayed by clicking on the "AS/Addresses" icon of the navigator.



Two possibilities exist for creation of addresses that can be used for time programmes:

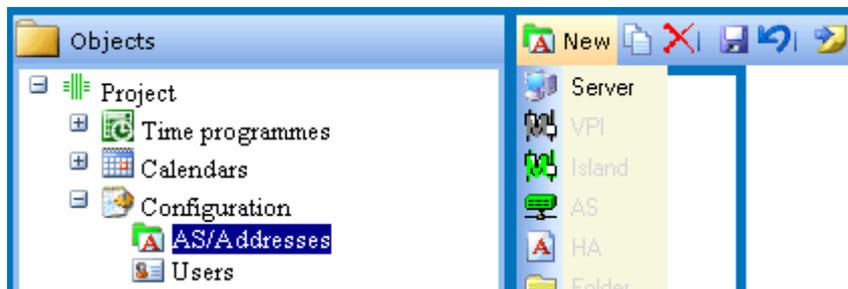
- **Importing from a "ZP_EY3600.INI" file.**
- **Manual setup**

3.2.1 Importing from a "ZP_EY3600.ini" file.

This file can be automatically generated by using the CONV_EY3600.exe conversion tool. To create a file relative to several BMT's, you must perform several conversions and concatenate the contents of all the files in the ZP_EY3600.ini definitive file. In the nPO application, if version 1.0 of the ZP3600 programme has been used, the "ZP_EY3600.INI" file already exists and because of this, all of the setup performed in the previous version must be imported.

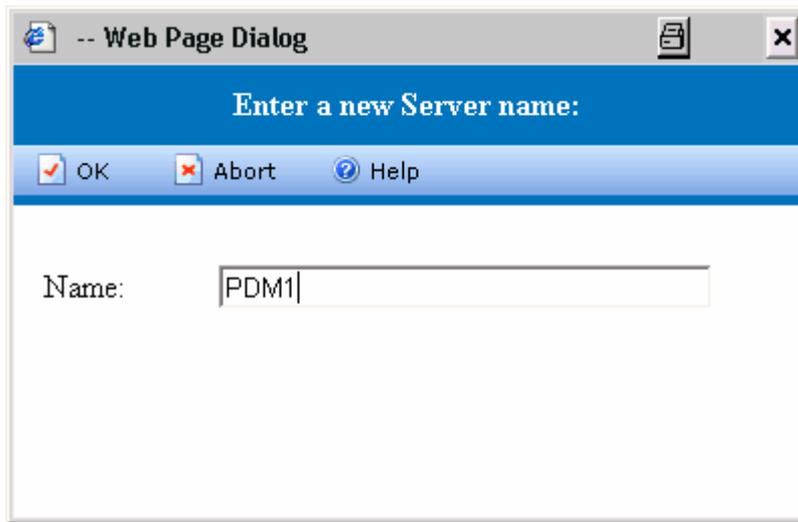
Comment: This file must obligatorily found in the "ZP3600" sub-folder of the novaPro Open project.

3.2.2 Manual setup

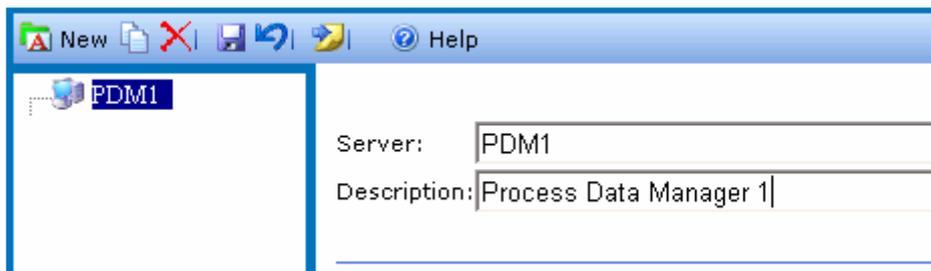


With this window in graphic form (TreeView) the tree structure of your installation at the level of addresses can possibly have configured time programmes. At this level, it is quite possible to modify all the parameters of this tree structure at your convenience i.e. server names, VPI (bus), Routel island, folder, AS and address, insertion/deletion of a tree structure node, etc.

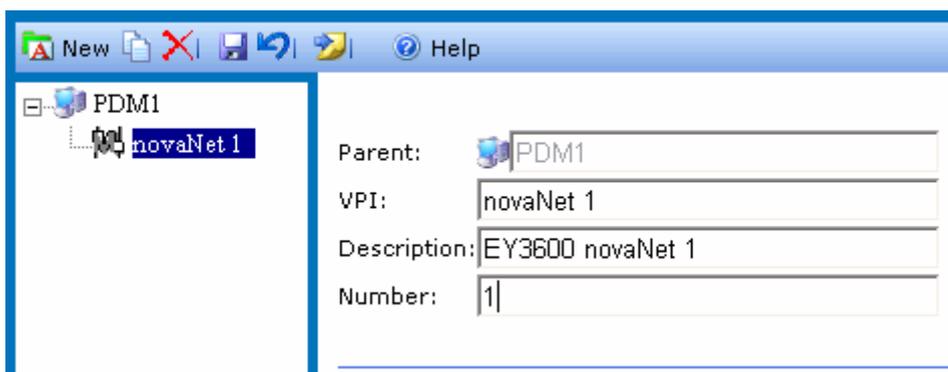
3.2.2.1 PDM Name



Station name generated under novaPro Open (see 1.3.1).



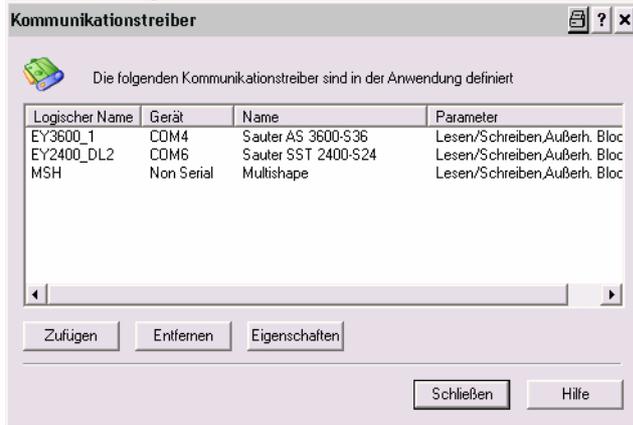
3.2.2.2 VPI



Bus configuration (VPI or driver number) with suitable tags for communication with the AS's. The VPI number corresponds to the pilot line generated under novaPro Open in the "Communications drivers" window. The communications tags are to be edited automatically.

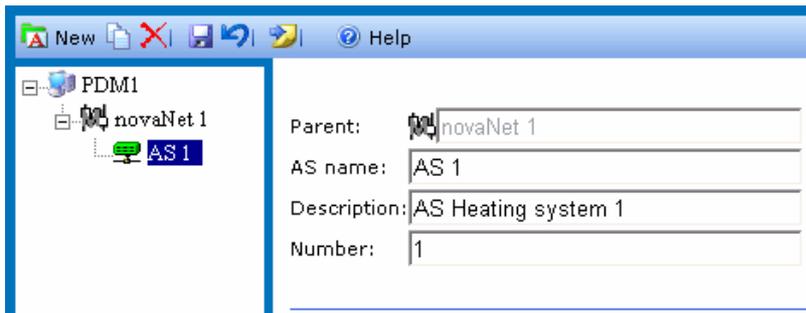
The tag names must correspond with variables generated in novaPro Open (see 1.3.2).

novaPro open "Communication drivers" dialogue:

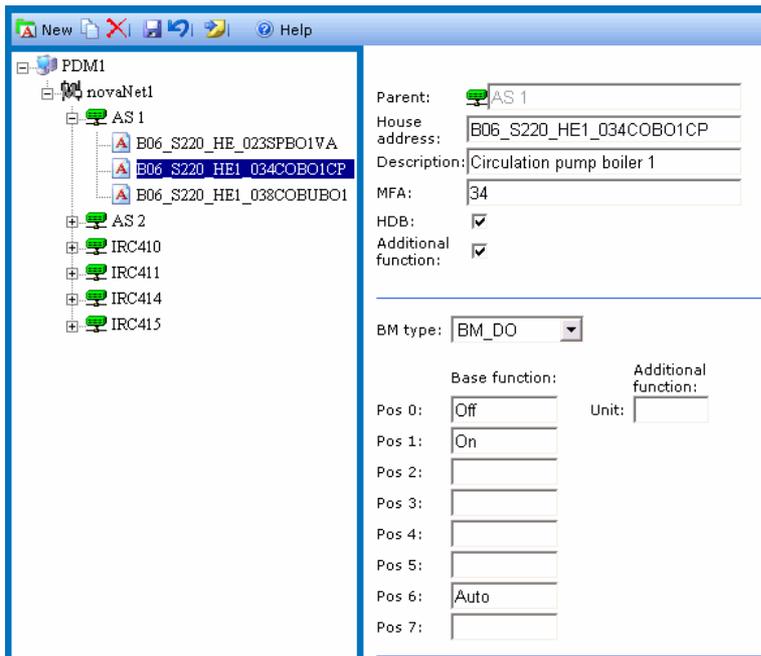


3.2.2.3 AS (EY3600 controller)

The AS number, with its name and designation:



3.2.2.4 Physical address (Tag)





General Setup

Parameters:

- Physical address with its description
- AMF number
- HDB option: This option must be ticked if the "Periodical HDB" function is requested and if the AS is set up in consequence of this.
- Option Additional fct.: This option must be ticked if the function "Periodical HDB of additional function" is requested and if the AS is set up in consequence of this.
- Type of tag
- The levels (command order) utilised for this command tag must be edited with a mnemotechnic notation text.

Comment: In order to have optimal operation, uniqueness of elements such as: The PDM name, VPI and AS numbers and the name of the physical address is imperative.

4 Time programmes Setup

Three setup possibilities exist:

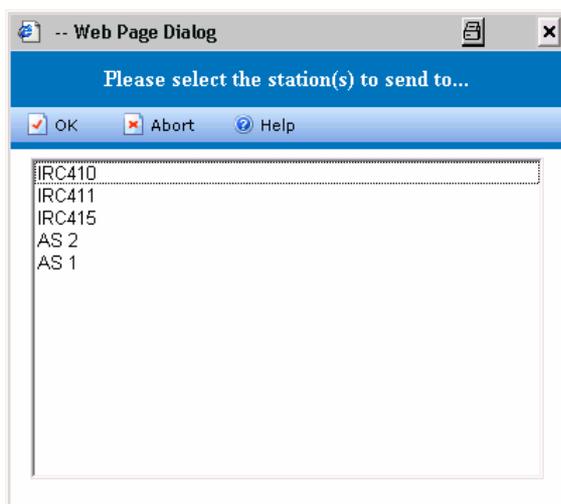
- By group of addresses for command and instruction orders
- Individually by address, for command and instruction orders
- Individually by address, for HDB entries (**H**istorical **D**ata**B**ase)

4.1 Time programme sets

In this window, all tags with a time schedule are visualised in a list with definitions such as, the name and the description of the physical address, the date/time of transmission, the date/time of the last modification and the name of the user who performed the operation, as well as the group name.

Name	Description	Send on	Send by	Saved on	Saved by	Group
B06_EC04_Bur415_SP_Temp	Set point office 415		Sauter	26.05.2005 15:57:43a		Offices flo
B06_EC04_OFF410_JAL	Jalousie office 410		Sauter	19.04.2005 11:28:58a		Offices flo
B06_EC04_OFF410_SP_Temp	Set point office 410		Sauter	19.04.2005 11:28:58a		Offices flo
B06_EC04_OFF411_JAL	Jalousie office 411		Sauter	06.04.2005 11:07:52a		
B06_EC04_OFF411_SP_Temp	Set point office 411		Sauter	17.05.2005 15:40:31a		Offices flo
B06_EC04_OFF415_JAL	Jalousie Office 415		Sauter	06.04.2005 11:07:52a		
B06_S220_HE_023SPBO1VA	Valve Boiler 1	07.04.2005 17:15:25a		01.04.2005 17:42:37a		
B06_S220_HE1_034COBO1CP	Circulation pump boiler 1	07.04.2005 17:16:02a		17.05.2005 15:40:32a		Offices flo
B06_S220_LI1_038CO	Lighting corridor 1		Sauter	26.05.2005 15:57:44a		Offices flo
B06_S220_VEN1_000CMD	Command ventilation 04	11.05.2005 09:47:40a		19.04.2005 11:28:58a		Offices flo
B06_S220_VEN2_033CMD	Command ventilation 01		Sauter	26.05.2005 15:57:43a		Offices flo
B06_S220_VEN2_034CMD	Command ventilation 02		Sauter	26.05.2005 15:57:44a		Offices flo
B06_S220_VEN2_035CMD	Command ventilation 03		Sauter	26.05.2005 15:57:44a		Offices flo

With the button (Send to AS) a selection dialogue is displayed that allows selecting the AS and transmitting all time schedules related to this AS that are contained in the server database.



4.2 Address groups

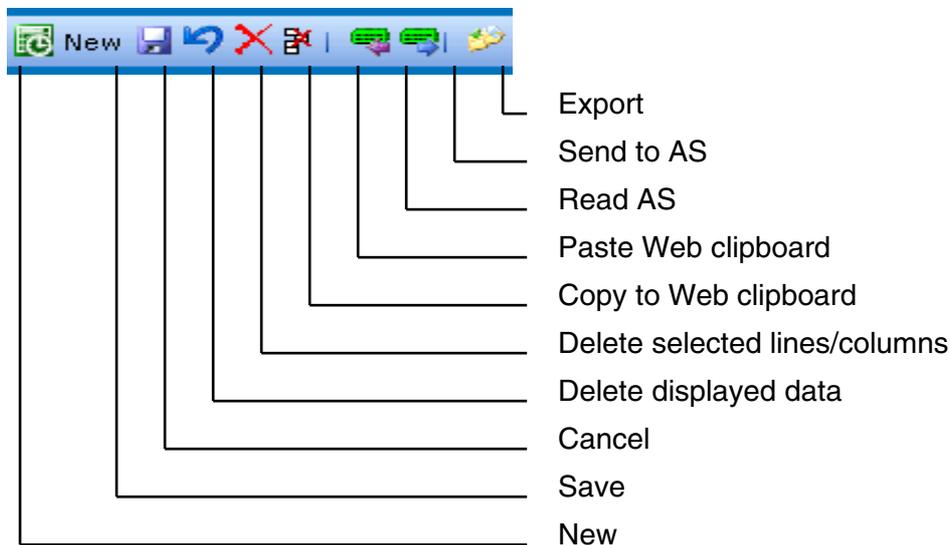
This function allows creating an infinite number of groups (tasks), states and actions in a user-friendly way that is both efficient and economic.

A state is a relationship between what must be done (action) and an instant (time schedule)

An action is a basic task such as allocation of a value to an address or execution of a command order.

4.2.1 Symbols used

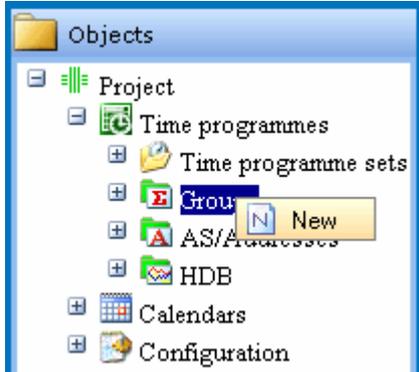
The symbol bar automatically adapts in function of the task.



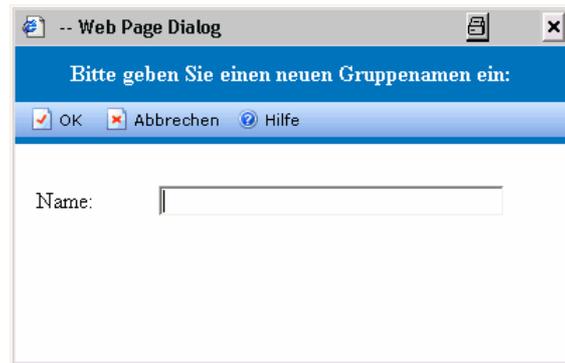
Symbols:

- **Save** Any new setup or modification is stored at server level.
- **Cancel** Cancels all operations performed since the last backup.
- **Read** Allows reading time schedules in the AS.
- **Write** Allows transmitting time schedules to the AS.
- **Export** Exports data in a txt, CSV or XML format
- **New** Adds a new line that allows setting up a new schedule step.
- **Delete lines ...** Deletes selected lines but deletion is only definitive after saving.
- **Delete data** Deletes the contents of the window in the server. Data that is deleted by this method can no longer be recuperated by the "Cancel" action.
- **Copy to** Copies selected lines in the list
- **Paste from clipboard** Adds the contents of the clipboard to the list

4.2.2 Setup of a new group



Select "Group" and click on it with the right mouse button



Enter the name of the group and confirm with "OK"

4.2.3 Definition of addresses

Open the dialogue box with "Setup – New – Address"

Address	HA/Status	Description	State_0	State_1	State_2	State_3
Status	4_OFF411_SP_Temp	Set point office 411	25	Auto	15	

In the panel on the right, all the addresses selected for this group are displayed. Confirm the selection with OK

The screenshot shows a 'Web Page Dialog' window with a tree view on the left and a list of selected addresses on the right. The tree view is organized as follows:

- PDM1
 - novaNet1
 - AS 1
 - B06_S220_HE_023SPBO1VA
 - B06_S220_HE1_038COBUBO1
 - AS 2
 - IRC410
 - IRC411
 - B06_EC04_OFF411_JAL
 - IRC414
 - B06_EC04_OFF415_JAL
 - B06_EC04_OFF415_SP_Temp
 - IRC415
 - B06_EC04_OFF415_JAL

The list of selected addresses on the right is:

```
B06_S220_HE_023SPBO1VA
B06_S220_HE1_038COBUBO1
```

There is also the possibility of making selections address by address or selecting all the addresses in an AS by marking it and moving it into the panel for selected addresses with the button

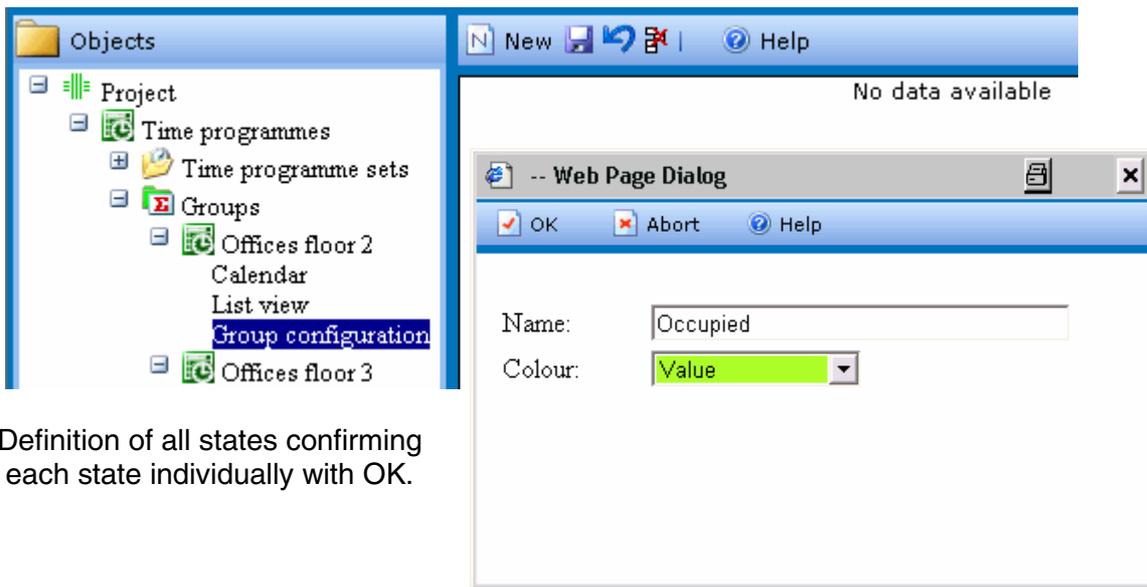
4.2.4 Definition of states

Definition of states can be performed in two ways:

- Manual setup
- Recovery of the different states from the database (after reading AS's)

4.2.4.1 Manual

Open dialogue with "Setup – New – States"



Definition of all states confirming each state individually with OK.

4.2.4.2 Automatic Recovery

- Before being able to recover different states of addresses in a group, it is necessary to take a reading of time schedules in all the AS's concerned.
- After having allocated addresses to a group, it is necessary to open the list or graphic representation of the group. This operation generates states in function of the existing time schedules in the database.
- States are shown in black in the graphic representation. The "State_x" denomination is the name of the states in the graphic representation and in the list (see below).

Year	Month/Week	Day	Hour	Minute	Status	Source
All	All	All	6	0	State_9	DB
All	All	All	18	0	State_10	DB
All	Weekly	All	8	0	State_11	DB
All	Weekly	All	18	10	State_12	DB
All	Weekly	All	8	5	State_13	DB
All	Weekly	All	17	55	State_14	DB
All	Weekly	All	7	50	State_15	DB
All	Weekly	All	18	0	State_16	DB

Jahr	Monat/Woche	Tag	Stunde	Minute	Status	Quelle
Alle	Wöchentlich	Alle	8	0	State_3	AS&DB
Alle	Wöchentlich	Alle	18	10	State_4	AS&DB
Alle	Wöchentlich	Alle	8	5	State_5	AS&DB
Alle	Wöchentlich	Alle	17	55	State_6	AS&DB
Alle	Wöchentlich	Alle	7	50	State_7	AS&DB
Alle	Wöchentlich	Alle	18	0	State_8	AS&DB
Alle	Alle	Alle	6	0	State_9	AS&DB
Alle	Alle	Alle	18	0	State_10	AS&DB

Time programmes Setup

- A verification of the different states and the definition of names and colours must be performed by double clicking on the column header.

HA/Status	Description	State_0	State_1	State_10	State_11	State_12
B06_EC04_Bur415_SP_Temp	Set point office 415	24.00	21.00			
B06_S220_LI1_038CO	Lighting corridor 1	Min	Max	Min		
B06_S220_VEN2_033CMD	Command ventilation 01	St2	Auto		S1	Off
B06_S220_VEN2_034CMD	Command ventilation 02	St2	Auto			
B06_S220_VEN2_035CMD	Command ventilation 03	St2	St1			

4.2.5 Definition of actions by address and state

HA/Status	Description	Occupied	Pre-heating	Unoccupied
B06_EC04_OFF410_JAL	Jalousie office 410	Up	Down	Down
B06_EC04_OFF410_SP_Temp	Set point office 410	21.00	21.00	18.00
B06_S220_VEN1_000CMD	Command ventilation 04	Auto	S2	Off

Off

S1

S2

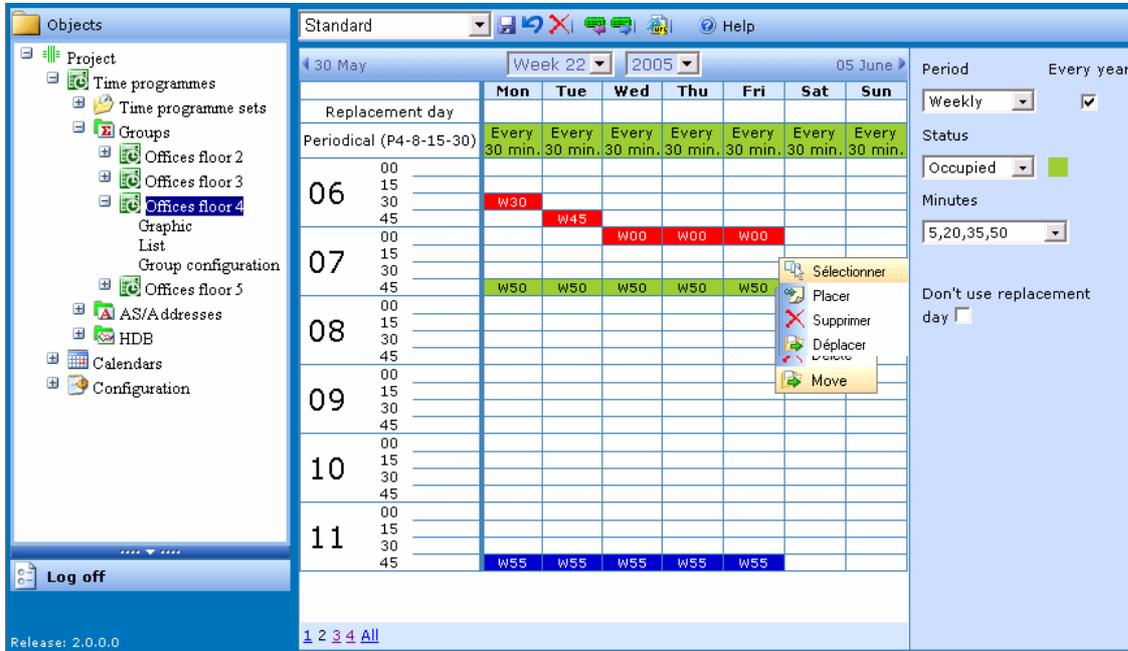
Auto

Before exiting, it is necessary to save the setup.

Modification of a state (text, colour) is made by double clicking on the column header.

Deletion of a line or a column is performed by selecting the object and clicking on the "Delete the" icon.

4.2.6 Definition of time programmes in graphical mode



Before placing a state on a calendar, it is necessary to define several parameters:

- **Period** Choice between an order that is unique or repetitive on a monthly or weekly basis.

 - Single:** This state will only be executed at the scheduled time and date
 - Weekly:** This state will be executed periodically every week on the scheduled time and day
 - Monthly:** This state will be executed periodically every month on the scheduled time and day

- **Every Year** By ticking this option, the state will be executed independently of the year.

- **State** Selection of a predefined state

- **Minutes** Selection of the minute when this state must be executed in function of the quarter hour chosen. The minutes will be displayed in the "Day/quarter hour" field of the calendar.

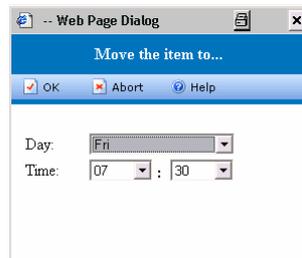
- **Don't use replacement day:** This option is to be used if the state must be executed on replacement days scheduled in the AS calendar (see chapter 5)

Time programmes Setup

As these parameters have already been set up, the state can be placed in required times and days by clicking on the necessary field. Once it is placed, a state can be selected, moved or deleted by clicking with the right mouse button in a configured field.



- **Select** The parameters of this state are displayed in the fields described above.
- **Place** The "Day/quarter hour" can be assigned to several states and/or minutes. Multi-assignment can be performed with the "Place" command.
- **Delete** Assignment of a state can be deleted with this command.
- **Move** With this order, assignment of a state can be moved via the following dialogue box.



Days modified at the level of the AS calendar (see chapter 5) are displayed in the "**Replacement day**" line. Displayed states of modified days are those that the time schedule will execute on these days. Monthly and unique schedules are not taken into account by replacement days. Weekly time schedules of special replacement days (S1 to S8) are set up at the level of the list in the "Day" column

Standard *							
06 June							
Week 23							
2005							
12 June							
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Replacement day			Friday	Sunday	Sunday	Sunday	
Periodical (P4-8-15-30)	Every 30 min.						
00							

In the "**Special (P4-P8-P15-P30)**" line, time schedules of "Every 4 or 8 or 15 or 30 minutes" periodicity are displayed. These time schedules are set up at the level of the list in the "Minutes" column (see below).

4.2.7 Definition of time programmes in list mode

Year	Month/Week	Day	Hour	Minute	Status	Source
All	All	All	All	Every 30 min.	Occupied	DB
All	Weekly	Friday	11	55	Unoccupied	DB
All	Weekly	Friday	7	50	Occupied	DB
All	Weekly	Friday	18	5	Unoccupied	DB
All	Weekly	Friday	7	0	Pre-heating	DB
All	Weekly	Friday	13	55	Occupied	DB
All	Weekly	Monday	18	20	Unoccupied	DB
All	Weekly	Monday	13	55	Occupied	DB
All	Weekly	Monday	11	55	Unoccupied	DB
All	Weekly	Monday	7	50	Occupied	DB
All	Weekly	Monday	6	30	Pre-heating	DB
All	Weekly	Thursday	7	0	Pre-heating	DB
All	Weekly	Thursday	13	55	Occupied	DB
All	Weekly	Thursday	11	55	Unoccupied	DB
All	Weekly	Thursday	7	50	Occupied	DB

Periodicity time programmes, "Every 4 or 8 or 15 or 30 minutes" as well as time schedules of special replacement days (S1 to S8) can only be set up in list mode.

To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The origin of the data is displayed in the "Source" column.

- DB Time schedule only in the PC database
Line in black
- Mode Set up or modified non-stored line
Line in blue
- AS&DB Time schedule in the PC database and in the AS
Line in magenta
- AS Time schedule only in the AS
Line in red

Time programmes Setup

4.3 Address (Tag)

In this section of the application, tags that are not part of a group can be set up.

By clicking on the AS, all the time programmes (apart from those concerning the HDB) are displayed but no setups can be performed.

Greyed-out lines are time programmes of tags belonging to a group or those that do not have a defined physical address.

HA	Description	MFA	Year	Month/Week	Day	Hour	Minute	Command	Status	Group	Calendar
VEN2_033CMD	Command ventilation 0133	All	Weekly	All	8	0		S1		Offices floor 5	SysCal
VEN2_033CMD	Command ventilation 0133	All	Weekly	All	18	10		Off		Offices floor 5	SysCal
VEN2_033CMD	Command ventilation 0133	All	Weekly	All	8	0		S1		Offices floor 5	SysCal
VEN2_033CMD	Command ventilation 0133	All	Weekly	All	18	10		Off		Offices floor 5	SysCal
VEN2_034CMD	Command ventilation 0234	All	Weekly	All	8	5		S1		Offices floor 5	SysCal
VEN2_034CMD	Command ventilation 0234	All	Weekly	All	17	55		Off		Offices floor 5	SysCal
VEN2_034CMD	Command ventilation 0234	All	Weekly	All	8	5		S1		Offices floor 5	SysCal
VEN2_034CMD	Command ventilation 0234	All	Weekly	All	17	55		Off		Offices floor 5	SysCal
VEN2_035CMD	Command ventilation 0335	All	Weekly	All	7	50		S1		Offices floor 5	SysCal
VEN2_035CMD	Command ventilation 0335	All	Weekly	All	18	0		Off		Offices floor 5	SysCal
VEN2_035CMD	Command ventilation 0335	All	Weekly	All	7	50		S1		Offices floor 5	SysCal
VEN2_035CMD	Command ventilation 0335	All	Weekly	All	18	0		Off		Offices floor 5	SysCal
LI1_038CO	Lighting corridor 1	38	All	All	All	6	0	Max		Offices floor 5	SysCal
LI1_038CO	Lighting corridor 1	38	All	All	All	18	0	Min		Offices floor 5	SysCal
LI1_038CO	Lighting corridor 1	38	All	All	All	6	0	Max		Offices floor 5	SysCal
LI1_038CO	Lighting corridor 1	38	All	All	All	18	0	Min		Offices floor 5	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Monday	6	30		S2		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Tuesday	6	45		S2		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Wednesday	7	0		S2		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Thursday	7	0		S2		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Friday	7	0		S2		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Monday	7	50		Auto		Offices floor 4	SysCal
VEN1_000CMD	Command ventilation 0439	All	Weekly	Tuesday	7	50		Auto		Offices floor 4	SysCal

Setup and visualisation of time programmes of a tag:

MFA	Year	Month/Week	Day	Hour	Minute	Command	Status	Group	Calendars	Source
39	All	Weekly	Monday	6	30	S2	Pre-heating	Offices floor 4	SysCal	DB
39	All	Weekly	Tuesday	6	45	S2	Pre-heating	Offices floor 4	SysCal	DB
39	All	Weekly	Wednesday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
39	All	Weekly	Thursday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
39	All	Weekly	Friday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
39	All	Weekly	Monday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
39	All	Weekly	Tuesday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
39	All	Weekly	Wednesday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
39	All	Weekly	Thursday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
39	All	Weekly	Friday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
39	All	Weekly	Monday	11	55	Off	Unoccupied	Offices floor 4	SysCal	DB
39	All	Weekly	Tuesday	11	55	Off	Unoccupied	Offices floor 4	SysCal	DB

To add a new time programme (or a new item to a programme), just click on the "New" icon

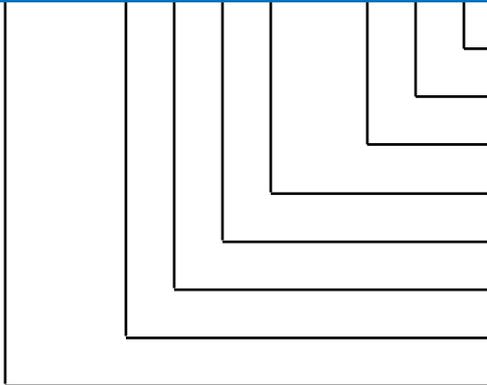
To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The origin of the data is displayed in the "Source" column.

- DB Time schedule only in the PC database
Line in black
- Mode Set up or modified non-stored line
Line in blue

- AS&DB Time schedule in the PC database and in the AS
Line in magenta
- AS Time schedule only in the AS
Line in red

The name of the calendar assigned to this AS is displayed in the "Calendar" column.
Membership of a group is displayed in the "State" and "Group" columns.



- Export
- Send to AS
- Read AS
- Delete selected lines/columns
- Delete data in the server
- Cancel
- Save
- New

Symbols:

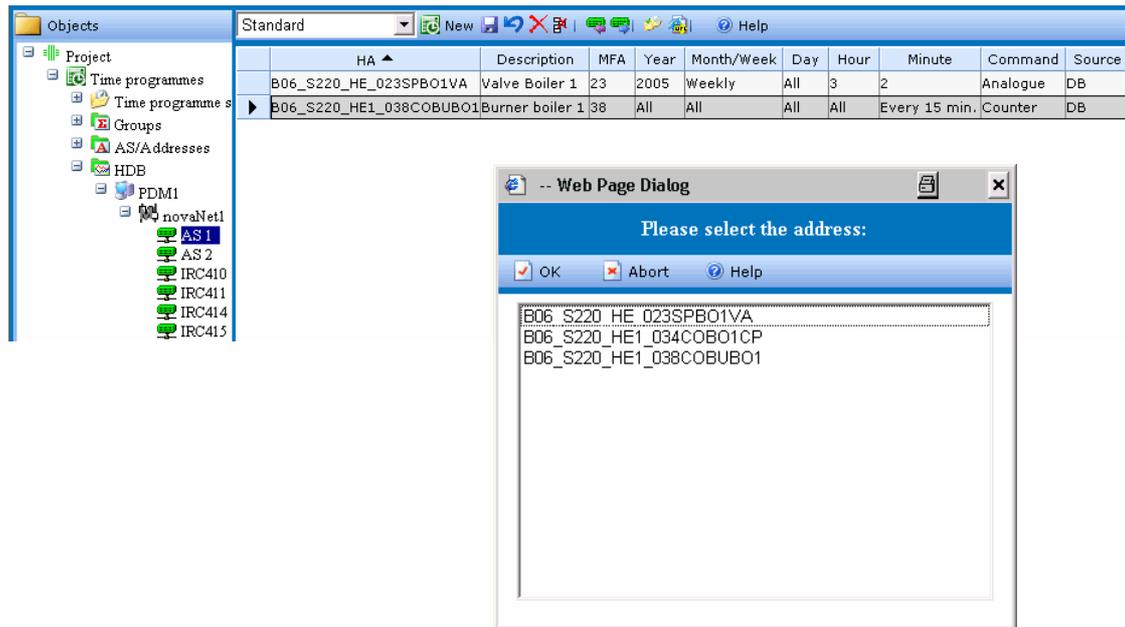
- **Save** Any new setup or modification is stored at server level.
- **Cancel** Cancels all operations performed since the last recording.
- **Read** Allows reading time schedules in the AS.
- **Write** Allows transmitting time schedules to the AS.
- **Export** Exports data in a txt, CSV or XML format
- **New** Adds a new line that allows setting up a new schedule step.
- **Delete lines ...** Deletes selected lines but deletion is only definitive after saving.
- **Delete data** Deletes the contents of the window in the server. Data that is deleted by this method can no longer be recuperated by the "Cancel" action

4.4 HDB (Historical database)

In this section of the application, variables that have been configured as HDB (see 3.3.3.4) can be set up.

Generally, periodical time programmes are used for this application.

By clicking on the AS, all of the HDB time schedules are displayed and setup is performed at this level.



By clicking on "New", a window allowing selection of the HDB address opens. To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The "Minutes" can be replaced by one of the following periodicities:

- **P4** Every 4 minutes or 15 times per hour (0, 4, 8, 12, ..., 56)
- **P8** Every 7/8 minutes or 8 times per hour (3, 11, 19, 27, 33, 41, 49, 57)
- **P15** Every 15 minutes or 4 times per hour (0, 15, 30, 45)
- **P30** Every 30 minutes or 2 times per hour (0, 30,)

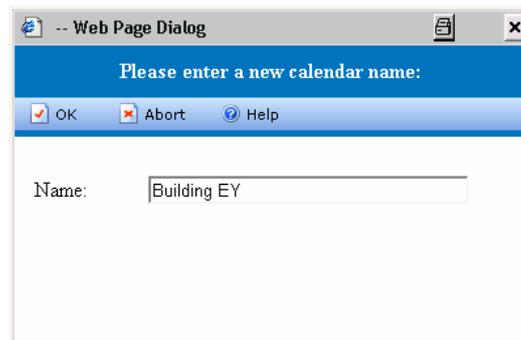
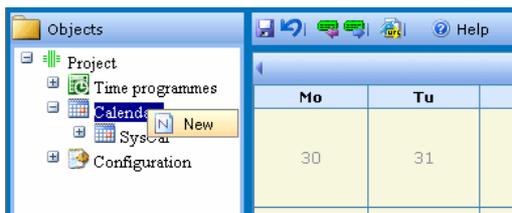
5 Calendar

The AS calendar is used as a base for time programmes that are resident in local automation stations. It must be transmitted to AS's after having performed its setup. The calendar is then stored in the AS's and in the ZP3600Web server. This guarantees correct execution of AS time programmes, independently of the operating status of the supervisor. By default, the system calendar (SysCal) is assigned to all AS's that do not have a specific calendar.

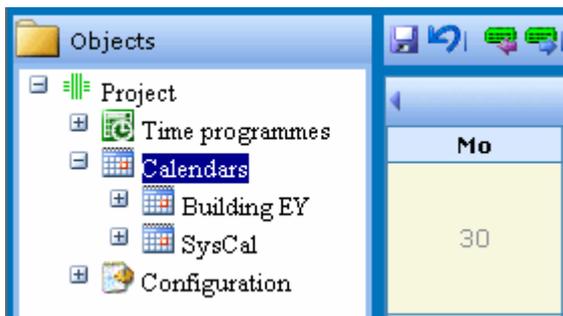
Using the application for calendar configuration, it is possible to assign replacement days to certain dates. For example, assigning the day, "Sunday" as a replacement day for non-working day 25th December. All weekly time programmes will then carry 25th December, like a Sunday, independently from the real day of the week.

In addition to standard days of the week (from Monday to Sunday) eight special days can be assigned in the same way as standard days. In this way, exceptional days can be set up in weekly time programmes by using special days.

5.1 New calendar

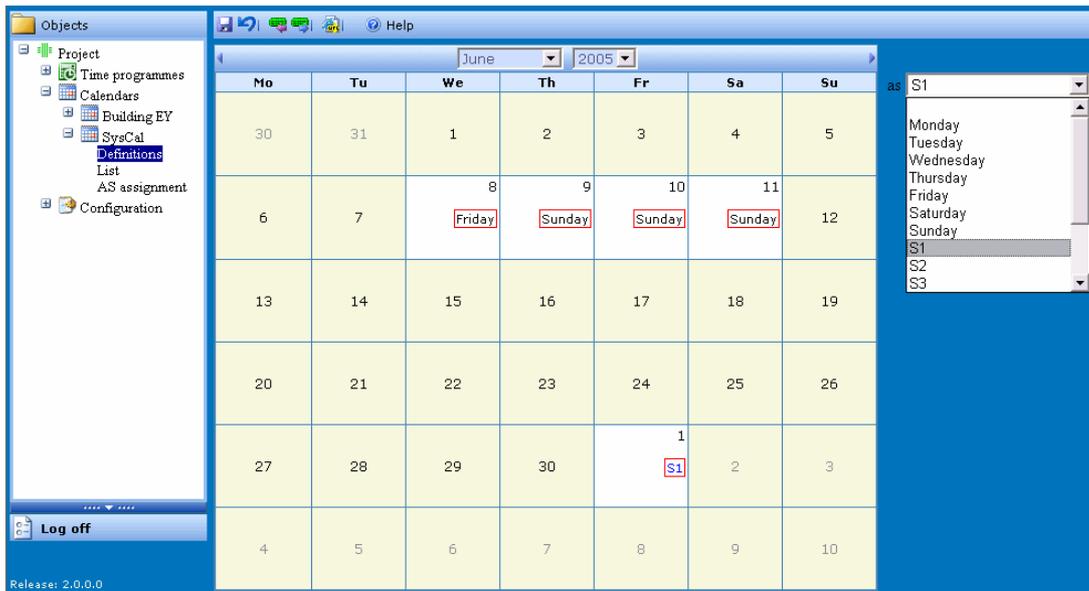


By clicking (right mouse button), on "New" a window for creation of a new calendar opens. Enter the name and confirm with OK.



5.2 Assignment of a replacement day

A replacement day can be assigned to each day of the year. Select the replacement day in the "As" window and position this day by clicking (right mouse button) in the required dates.



5.2.1 List of replacement days

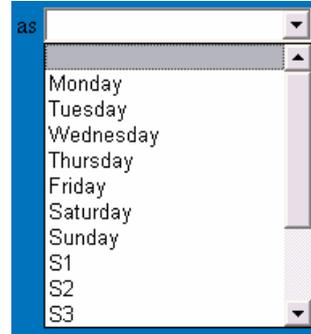
The replacement days of the calendar are displayed in the list. No action is possible from the list but the colour of the lines and the "Source" column give the status of each replacement day.

Date	Replacement day	Source
08.06.2005	Fri	DB
09.06.2005	Sun	DB
10.06.2005	Sun	DB
11.06.2005	Sun	DB
01.07.2005	S1	DB

- DB Replacement day only in the PC database
Line in black
- AS&DB Time schedule in the PC database and in the AS
Line in magenta

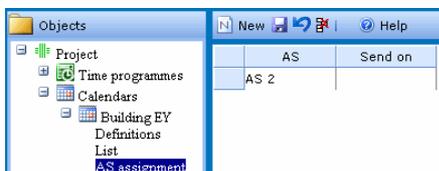
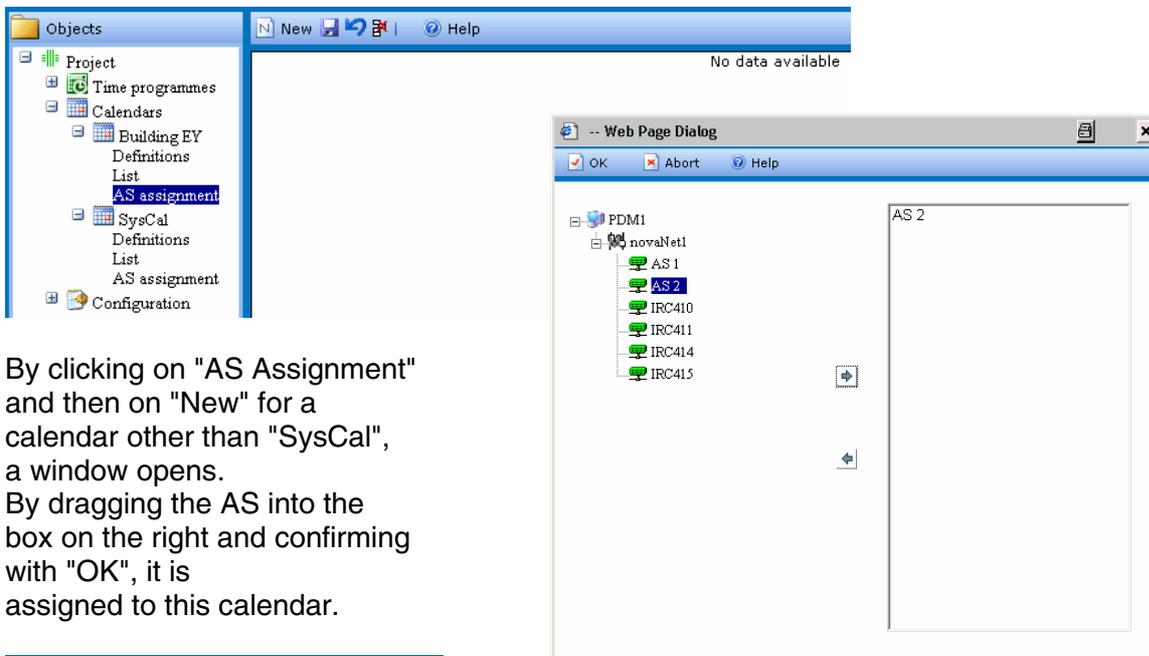
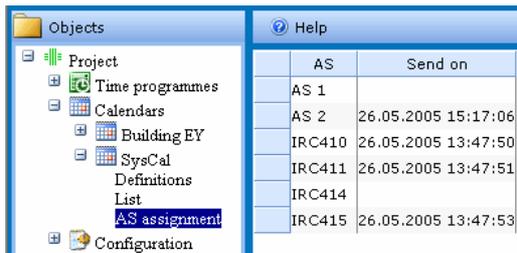
5.3 Deletion of a replacement day

A replacement day can be deleted by selecting the empty line (first line) in the "As" window and clicking (right mouse button) on the dates to delete.



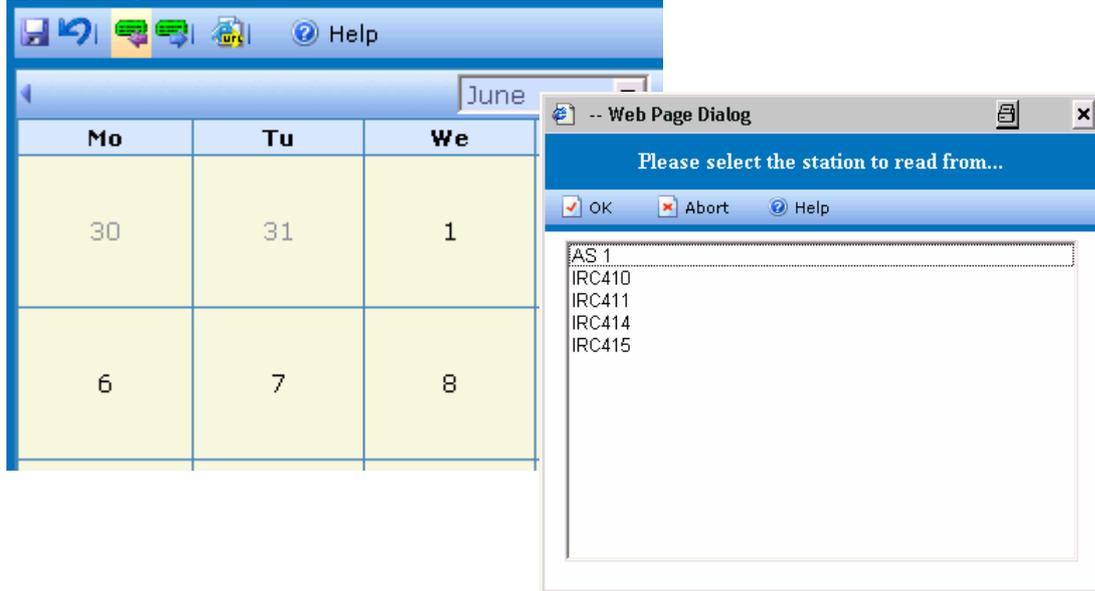
5.4 AS / Calendar Assignment

An AS is always assigned to a calendar. By default, the system calendar (SysCal) is assigned to all AS's.



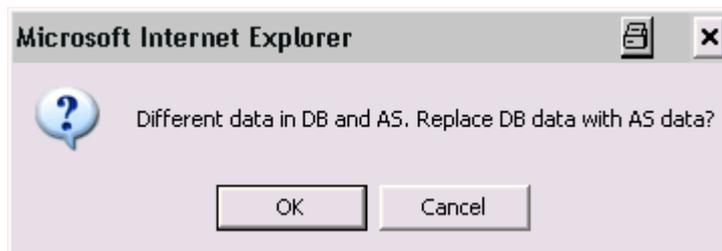
5.5 Reading the calendar of an AS

By clicking on the "Read AS" icon, a selection window opens.



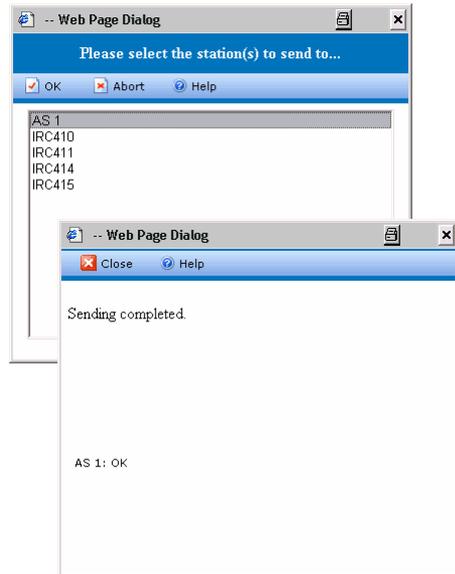
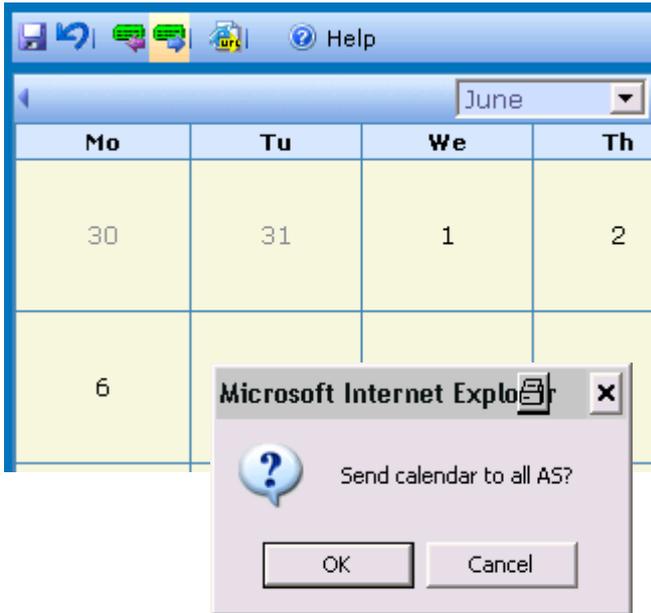
Comment: Only one AS (preferably the AS used as a reference) can be selected for reading.

If the AS calendar is different to the calendar of the server database, a confirmation dialogue box is displayed.



5.6 Transmitting a calendar

By clicking on the "Send to AS" icon, calendar transmission is performed. This may be either to all AS's assigned to this calendar, by confirming with OK or to selected AS's by clicking on "Cancel". At the end of the transmission, a window with the transmission status of AS's is temporarily displayed.

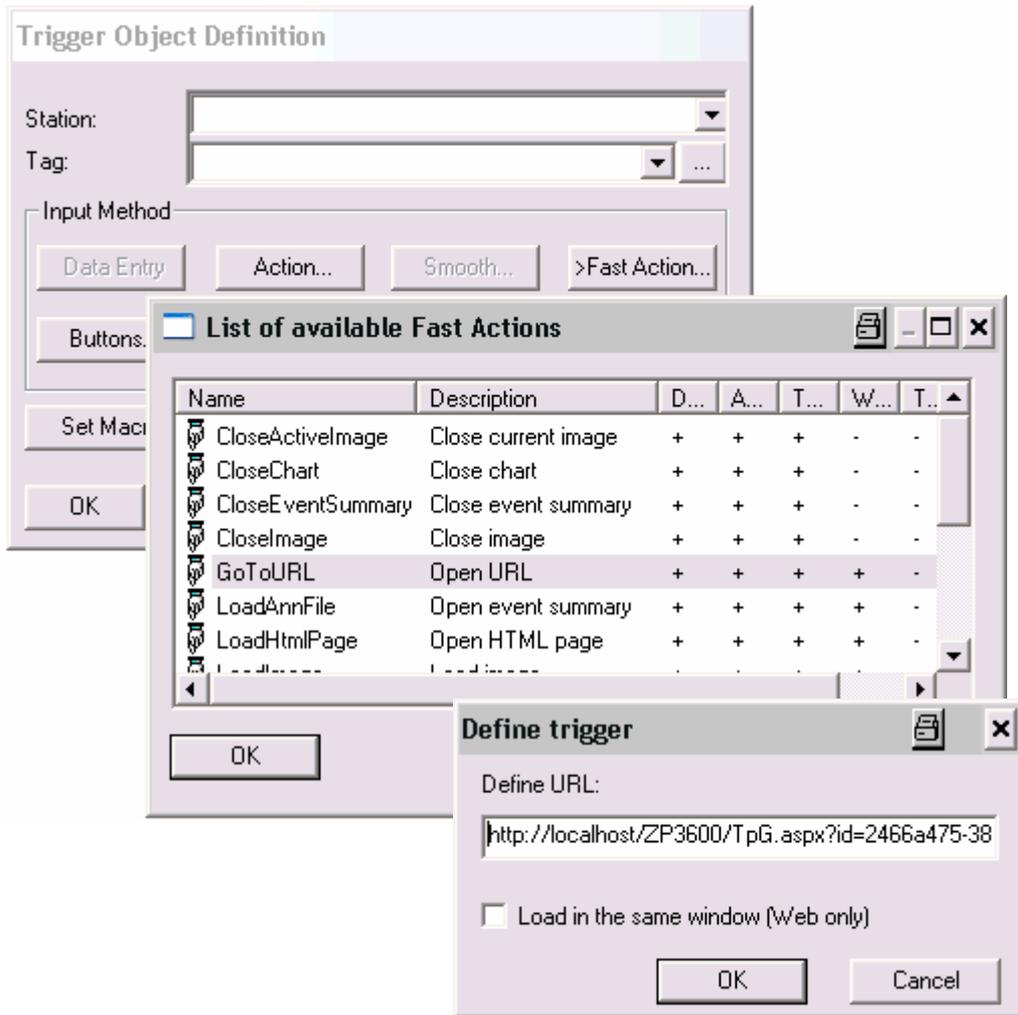




6 Calling from a novaPro Open Image

It is also possible to open a ZP24 Web page directly from an image. To do this, just define a trigger object with the "Fast Action" and "GoToURL" functions:

ZP3600 Offices 4



The defined URL can be exported from the ZP3600 Web application by clicking on the "Export URL" icon .

Apart from those in the configuration, all the pages can therefore be called from the novaPro Open trigger object.



Time Profile ZP3600 Web

Calling from a novaPro Open Image

