Honeywell

User Manual

Differences between WINMAG plus V05 and WINMAG plus V06

How to adopt WINMAG plus clientele settings in V5 to V6

	P03140-81-0G0-08	**Software version V07.x**	Subject to change without notice
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Contents

Symbols

This manual contains the following symbols that refer to sections of special importance:

Denotes important information on procedures and warns against steps that have serious consequences.

Denotes important information on a particular issue and other useful information.

Denotes important information concerning installation.

Tipps on programming/installation in accordance with VdS standards.

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1 Introduction

1.1 Information to the document

In the first part of this document we describe the differences between WinmagPlus V05 and WinmagPlus V06. So you will get the latest information of the differences between the versions.

The second part of this document is intended for all customers who have used the function "Clientele" in WINMAG plus version V05 and older.

2 Differences between WinmagPlus V05 and WinmagPlus V06

1. Convert option

- Before any older version than V05 WinmagPlus could convert to V06, please update them to the latest version of WinmagPlus V05 (currently V05.46). It means you should at least start with WinmagPlus V05.46 with those converted configuration and double check whether everything is running correctly.
- Only nets, objects, and data points which are marked as used would be converted into V06 configuration. All those not used nets, objects and data points, as well as placed symbols would be ignored during conversion.
- If you are using AutoCAD Option in the V05 WinmagPlus, it means that WinmagPlus V05 converts all the DWG files in the configuration to BMP files with a resolution of 1024 x 768 Pixels and uses the BMP files as background pictures instead of DWG files. Since WinmagPlus V06 supports DWG files directly, and the coordinates from DWG files are completely different than those converted BMP files in V05, so during a conversion, we will change those old DWG file names automatically to BMP files, so that after conversion, the symbols on the graphic remain on the correct places. Please double check the BMP files in "[WinmagPlus V05 installation folder]\Graphic" folder. If those BMP files are missing, after conversion, those DWG files would not work in the V06.
- If you are using predefined Symbols which includes text information which is not English, for example "Arm", "Disarm", "Fire", "Intrusion", like these:

after conversion, it could be possible, those symbols turn to English like these:

Please use your old non-English symbol layer file to overwrite the layer file in the V06, after that it works.

2. Remote driver from V05

- If you were using some remote driver in V05. Please be aware that V06 will not support remote driver. You need an additional client license in version V06, and the solution is an additional core with that very specified driver.

3. Language

- In Version 5, during installation, if you chose some specified language, both the Winmag.exe and the Winmag database are in that specified language, independently from the default language settings of the operating system.
- In Version 6, due to the .net technology, you have all the available languages installed. However, during Installation, you also must choose the default language for the Winmag database, after that all predefined Winmag plus data point types, alarm reasons and log types remain in that language. Winmag UI, Config and reporter short cuts from the Winmag installation will start UI, Config and Reporter in the same language. Since all the available languages are installed, you could also start the UI, config and reporter in any other available language. To start UI, Config or Reporter in specified language, please use the following start parameter: -cn=xx xx= language code.
  For example:
  1. To start Winmag UI in German, "WINMAG.exe -cn=de"
  2. To start WinmagConfig in English „WINMAGCONFIG.EXE -cn=en"

4. **Winmag Station settings only accept host name instead of IP address**
   - In Version 5, you can input either IP address or host name for a Winmag station.
   - In Version 6, only host name is accepted for Winmag station settings. Please observe the host name should follow the following rule:
     1. So called “Fully qualified Domain Name” is not supported, if the PC has a host name like “MyPC.MyDomain.com”, you should only use “MyPC”.
     2. The host name of a PC should not more than 15 characters due to the NetBIOS compatibility.
   - During the conversion, the converter would try to identify the host name through the current IP address via DNS settings.
   - However if the conversion does not occurs on the PC which have those IP addresses (typically if the installer will do the conversion in their office instead of on the customer site), then the IP addresses could not be detected, it will be converted to “***To Check IP xx.xx.xx.xx”, and the converter would show a red warning to the user who run the conversion so that they should check manually.

5. **Integrations in V05, which is not supported by V06:**
   - IGIS-LAN integration
   - Remote server, modem/ISDN dial in integration
   - IGIS-V24 integration
   - Video matrix (Ultrak, Ernitec) integration
   - Legacy OPC client, which should be upgrade manually to the MultiDevice OPC client. In oder to adopt the old OPC Client configuration:
     1. Please backup your woc file which you used in older version of Winmag.
     2. Export the data point configuration in the legacy OPC client integration.
     3. Since the old legacy OPC client can only support max. 2000 OPC tag. And the new Multi Device OPC client does not have that limit, so you could migrate multiple legacy OPC client integration into one.
     4. **There is no possibility to convert the existing symbols from V05 to V06.**
   - ASSA FT Server integration via RS232.
   - DEZ driver.
   - Honeywell Maxpro crossbar integration.
   - Visioprime integration.

There is no possibility to convert the existing symbols from V05 to V06.

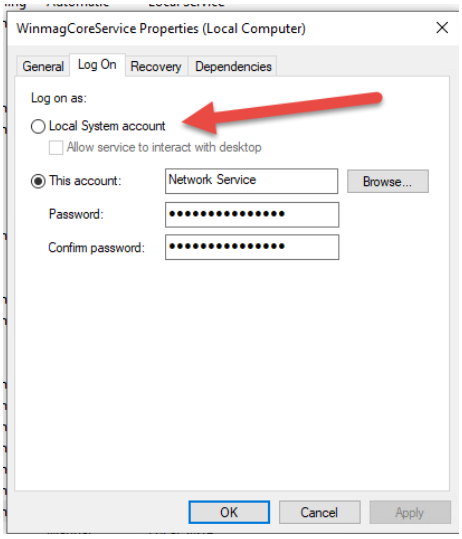
The following drivers have been dropped for cyber security reasons. However, the networks can be imported, but must be programmed (re-linked) with the new and current drivers:

   - Old direct VdS serial integration, this net would be converted into V06, because a newer reworked direct serial VDS driver is included into V06. After conversion, you can simply drag existing panel configuration and drop it to the new net.
   - Dorma integration, due to cyber security reason.
   - Fusion and Fusion Multi net integration, due to cyber security reason.
   - Geviscope integration due to cyber security reason.
   - Heitel integration.
   - Micromodule driver.
   - Multiscope integration.
   - Multiview integration.
   - P View integration.
   - Video Bosch IP camera integration.

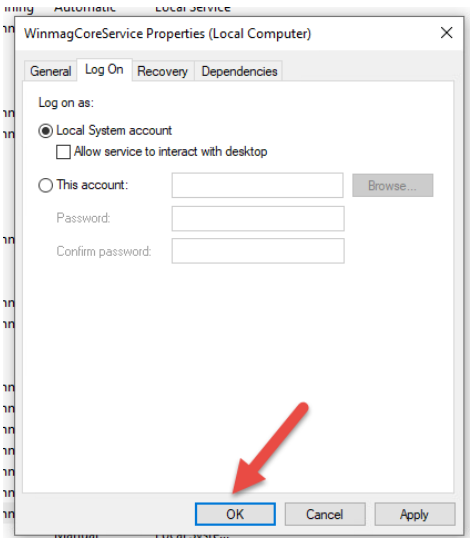
6. Integration in V05, which need to refresh configurations after importing to V06.

- ASSA FT Server integration via TCP/IP, which is using FT-Server.exe under “drivers\FTServerXX” folder.
    1. Please pay attention with this integration, although the net, object and data points will be imported. The driver itself will not be imported, and will not be supported by V06. The reason we import the integration is only helping the customer to simply adopt and reconfigure those existing object/datapoints into a new MultiDevice web Assa driver.
    2. The most important is the TBSC Firmware Version, if Version is 4.5.0.915 or later, it is possible to upgrade the older driver to the web ASSA driver works. Otherwise, since ASSA does not support firmware updates via software, the TBSC with older version of firmware does not work with the web ASSA driver.
- Qognify SeeTec Cayuga driver
    1. Winmag Plus V06 SeeTec Cayuga driver only support Cayuga Version R14 or later.
    2. SeeTec Cayuga Version R10 and later version has changed something internally. So after you convert the V5 Winmag Configuration to V6. You need use the new Cayuga driver to regenerate a new datapoint import file. Either you should reimport the datapoint, or at least you must add the “Addition text” from the import file to your current datapoint depending on the Camera ID (ID1 of the existing datapoint).
- IGIS-LOOP integration
    1. After import, WinmagPlus V06 can run with this integration.
    2. If you connect the IGIS-LOOP integration via RS232, and use Serial/TCP-IP converter, please change the “Log On” settings of WinmagCore service to “Local System account”:

       Simply press windows key + “r”, then type “services.msc”.

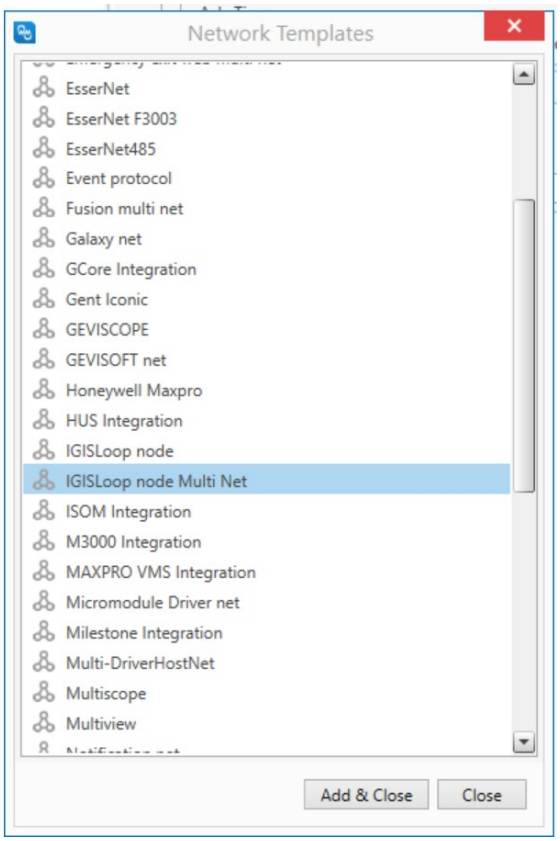


Double click on the WinmagCore service, and change the “Log On” settings from “Network Service” to “Local System account”.



And then click OK.

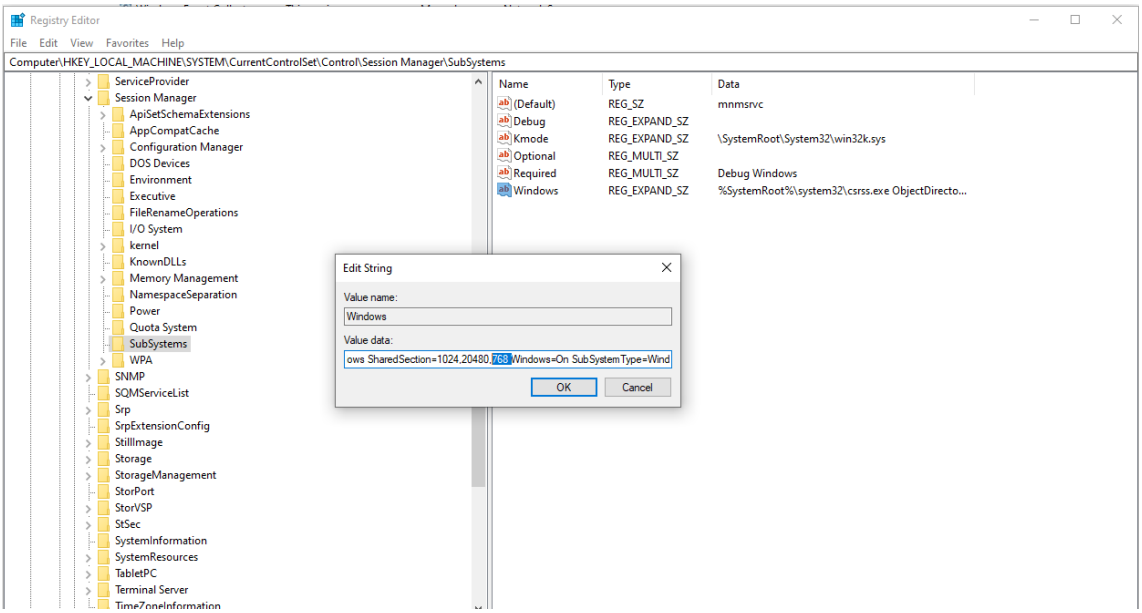
3. Since there is a known issue with the old IGIS-LOOP driver with RS232 connection, we offer a new reworked new IGIS-LOOP multi driver. You could add a new network with the type “IGISLoop node Multi Net”, and change existing panels in the old IGISLoop Net into the new one via drag and drop.
4. **Attention:** the new “IGISLoop node Multi Net” only supports MB-series intrusion panels. For Fire panel IQ8000 series, you need to build the panel into EsserNet.



7. Troubleshooting legacy driver problem

Troubleshooting legacy driver problem with over 15 legacy drivers. Occasionally we face a strange issue in case of we have more than 15 legacy drivers (IGIS-LOOP and EsserNet drivers) run on parallel. And the phenome is:

- If you run WinmagCore in service mode with command line -c -log=1, every driver is working proper.
- If you run WinmagCore in service mode, randomly some of the drivers does not have connection even if we have already switched the service log on from “Network service” to “Local System account”.
- In this case, you should increase the size of the noninteractive desktop heap by editing the **SharedSection** parameter string in the HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\SubSystems registry subkey.



The **SharedSection** parameter string is located in the **Windows** registry value and uses the following format to specify heap size:

SharedSection=*xxxx,yyyy,zzzz*
Where:

- *xxxx* specifies the maximum size of the system-wide heap (in kilobytes)
- *yyyy* specifies the size of each desktop heap
- *zzzz* specifies the size of the desktop heap that is associated with a noninteractive Windows instance, **this is the number we should change.**

In this case, “768” was set for “zzzz” by default. Please change it to 2048 or “4096”, and then restart the PC. After that, the problem with those legacy drivers should be solved.

8. Meta file access on Winmag master station

- `get_system_property` with Attribute `"master_metafilepath",` in V05 or any older version, on a client, it will return a file share path over network, so that a client Winmag will access meta file via network file share on Winmag master.
- On V06, due to Cyber security requirement, we removed file share. To backport the SIAS Command `get_system_property` with attribute `"master_metafilepath"`, you will get a fixed string `"ToMaster@".` With this fixed string sign, WinmagCore on the client Winmag station will send the file access requirement automatically to the Winmagcore on master to fullfill the file operation. If there is any error occurs, you could find error messages in Report.

  For example, we have total 4 Winmag Stations. And Station 2 is the data master. On any station, if we are using the following SIAS command:

```
<<<var string metaFileName>>>
<<<var string metadata>>>
<<<var string AppendText>>>
<<< metaFileName = get_system_property ("winmag@master_path")+info.txt" >>>
<<< AppendText = "This is a test for file append >>>
<<< if file_exists(metaFileName) then >>>
<<<   file_read (metaFileName, metadata)>>>
<<<   file_append (metaFileName, AppendText) >>>
<<< else >>>
<<   file_write (metaFileName, AppendText) >>>

<<< endif >>>
```

  After `get_system_property`, metaFileName has the value “ToMaster@ info.txt”. In this case, file_read command will read the file on Station 2 [Winmag installation folder]\sync\info.txt.
  After file_append or file_write, the changes will be written into “[Winmag installation folder]\sync\info.txt” on Station 2, and will be automatically synchronized to “[Winmag installation folder]\sync\info.txt” on station 1, 3 and 4 immediately.

  Example 2:

```
<<< metaFileName = get_system_property ("winmag@master_path")+text\info.txt" >>>
```

  After `get_system_property`, metaFileName has the value “ToMaster@text\ info.txt”. In this case, file_read command will read the file on Station 2 [Winmag installation folder]\sync\text\info.txt.

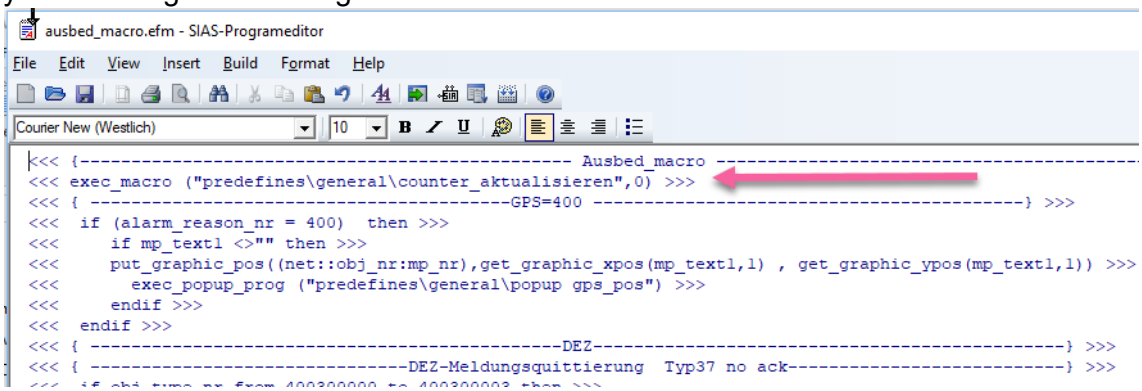
  Example 3:

```
<<< metaFileName = get_system_property ("winmag@master_path")+
,myfolder\info.txt" >>>
```

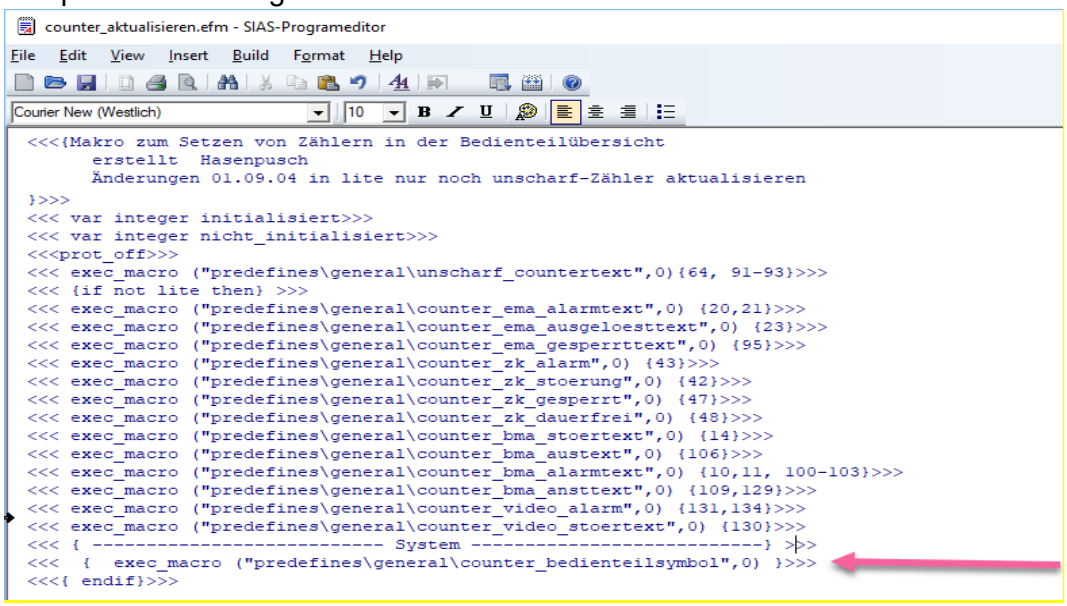
  After `get_system_property`, metaFileName has the value “ToMaster@myfolder\ info.txt”. In this case, file_read command will read the file on Station 2 [Winmag installation folder]\sync\myfolder\info.txt.

9. Imported ausbed_macro

- If you imported existing SIAS Programming from V05 to V06, please check whether you are using the following command:

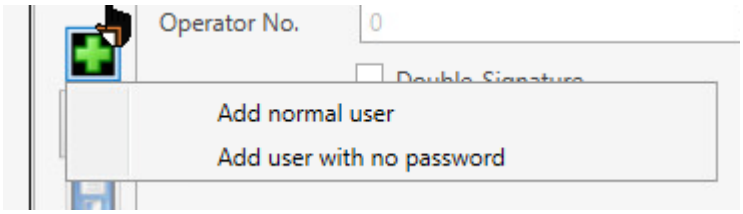


If Yes, please remove the following line from the “counter_aktualisieren.efm”, and compile the macro again.



10. Autologin

- In V05, you can set an auto login for each winmag station. After Winmag start, this user will be login by default
- Due to Cyber Security reason, we have reconstruct this function completely.
    1. There are new user type as user without password. You need add them separately from normal user.



    2. Simply click on “Add user with no password”. For example we add a new user with the name “Autologin” as a user with no password.
    3. Please create a short for Winmag ui with start parameter “-user=xxxx”. As in the example of step 2, the start parameter should

be “-user=Autologin”. Please pay attention, the user name is case sensitive.

4. After that, if you use the shortcut, the auto login function works.

11. License option distribution in V06

- In Version V05, the following license options are automatically sent from Winmag master to each Winmag client:
  1. Client license count.
  2. Autocad option.
  3. Third party card reader option.
- In Version V06, the following license options are automatically sent from Winmag master to each Winmag client:
  1. Licensed client count: if there are more Winmag stations have their own Winmag dongle, and each dongle has different client count, the maximal count will be saved by each Winmag station. For example, we have 5 Winmag stations in one project, 2 of the Winmag stations has their own dongle, station 1 has 4 clients license, and stations 4 has 3 clients license. As long as stations 1 is running, every station has 4 licensed clients. If station 1 is down, as long as station 4 is still running, all the 4 remain stations have 3 licensed clients.
  2. Licensed Data point count: in version 6 you need to buy license for configured data point. The Princip of sending the data point count is similar as part 1 with the licensed client count. If there are more Winmag stations has own Winmag dongle with licensed data point count, the maximal count will be stored automatically in each Winmag station.
  3. Autocad license. The function of this license is different than in V05, since we could use DWG/DXF file directly in V06. So in version 6, this option means whether you could show DWG/DXF file directly in Winmag UI.
  4. Third party card license.
  5. Multiple monitor license.
  6. Notification license.

12. Notification

- As we have mentioned in chapter 8, notification license is actively distributed to every connected Winmag station. So now compare with V05, you have the following advantage:
  1. You can use Notification SIAS commands on each Winmag station.
  2. It is possible to use notification net object somewhere else than the master station. For example, you have the possibility to simply place the gsm modem to somewhere to guarantee the signal for sending SMS.
  3. To successfully send any notification in V06, you must add enough Datapoints into those Notification object, because notication state can only be triggered and refreshed via Data point states. It will not work proper if no datapoint could be allocated to any new notification.

13. WMF/EMF Graphic format

- Those graphic formats are more susceptible to security vulnerabilities than other image format, so Microsoft decide to get rid of the support of those graphic format in their new technology. Therefore, during converting any V05 WinmagPlus Project into V06, we have to convert every included WMF/EMF format internally into PNG format. Due to the conversion, the position of those existing graphic links and placed symbols could be shifted compare to the original V05 position.

14. DWG/DXF support

- As we have mentioned in chapter 8.3, with an “AutoCAD” license option in V06, you could direct places any DWG/DXF file as background graphic in Winmag. Please pay attention during choosing those DWG/DXF files:
    1. Since any DWG/DXF file could include multiple layers and all kinds of information, so it could be pretty large. Beware Winmag shows the default view of those DWG/DXF file, please switch off or exclude all unnecessary information for Winmag to reduce the allocated memory for loading those files.
    2. Please pay attention to set limit for xyz coordinate for the DWG/DXF file, infinity coordinate is not allowed. Otherwise, Winmag cannot calculate the coordinate for any graphic link or symbols correctly.

15. Alarm stack synchronization

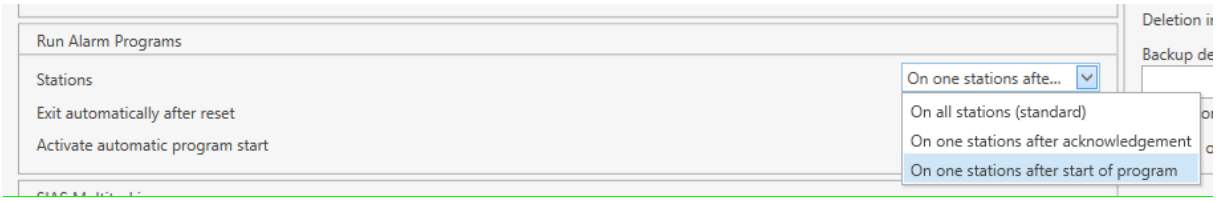
- Please pay attention if you adopt those existing SIAS alarm programs from the old version 05. in V05 or older version, in a Winmag system with multiple Winmag stations, during runtime one Winmag station is off, and some alarm occurs in a and handled by some running Winmag station. And the alarm remains in the panel. Later on, when that station is on, you will get the alarm again although it is already handled be some other station.
- In V06, We have changed the behavior of the command:
  `<<< exec_default_prog >>>` in Ausbed.eff, if an alarm is generated via this command, the sias workflow becomes a unique ID,
  so that the program state will be synchronized automatically between different Winmag stations. So the old issue in V05 will never happen again.

  Therefore, for all the customers which import old SIAS programs from existing V05 Winmag project, you must check how did the old ausbed handle alarms:
  1. `Use <<< exec_default_prog >>>`
  2. `Use ausbed_macro to check the alarm reason or alarm type.`
  3. `Even make the alarm reason and alarm type check directly in ausbed.`

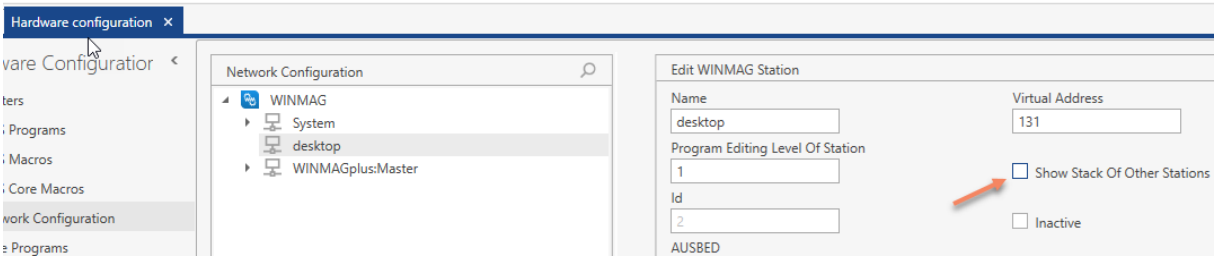
  If you have combined solution 1 with any other 2 solution, it is possible that you will get at least duplicated alarms stack entries for 1 alarm. So the possible solution are:
  1. To be sure to use the automatically alarm stack synchronization, if it is possible, please change your ausdbed/ausbed_macro to use default program settings in alarm reason configuration.
  2. Otherwise, if you decide to use alarm_type/alarm_reason checking in ausbed_macro, please be sure to remove the line `<<< exec_default_prog >>>` in the ausbed, and recompile and restart the core. After that, no alarm stack synchronization is there, Winmag V06 will behave like in V05.
  3. We prefer to remove directly alarm_type/alarm_reason check in ausbed. It is most inconvenient and not save way for your alarm handling.

15. Alarm stack behavior

- In V06, as we ensure the alarm stack synchronization between all Winmag stations through the SIAS command `<<< exec_default_prog >>>`, so we must adapt the existing alarm stack behavior. Please check the following alarm behavior settings in general config:



- Option “On all stations (standard)”.
  1. as we knew from Version 5 or older version of Winmag, with this setting, every station starts and handle its own SIAS program for each incoming alarm, there is no SIAS program handling synchronization.
  2. So since the previous behavior is not compliant with the SIAS program synchronization, we have to adapt some function to ensure the previous behavior without doing any harm to the SIAS Program synchronization. Please deactivate the “Show Stack Of Other Stations” in the winmag station setting for the station you want to parallel start SIAS program for the same incoming alarm.



  3. Compare with V05, in Version 06, this checkbox has an very important additional function – to activate/deactivate the SIAS program synchronization for the station with all the other winmag stations.
     1. Activate this option, it means not only show alarm stack entries from other winmag stations, but also you confirm to use synchronized alarm stack on this station. It means only one station starts the incoming alarm automatically (usually the station with highest program “editing level”. If any other station would like to edit this alarm, with double click, the alarm could be fetched to specified station.
     2. Deactivate this option, the station behaves like in V05, SIAS program would be started for each incoming alarm.

- Option “On one stations after acknowledgement” and option “On one station after start of program” align to the behavior above with the first option.

16. Printer setting from V05 must reconfigured in V06

a. Since all printer settings in V05 are stored in the windows registry, so unfortunately, we don't have the possibility to access every PC remotely to access windows registry during conversion, therefore you need to reconfigure those Printer settings in V06.
b. In WinmagPlus V6.4 and newer version, you can simply start the WinmagConfig one by one on each station. You could simply choose any local installed printer and set them as desired Winmag printer type.

17. Winmag station certificate

a. Compare to V05, in V06, the communication between Winmag stations are encrypted.
    i. Before you install any Winmag client, please use WinmagConfig to add the client station into the station list, set the time period when you plan to install the client station, and note the request id.
    ii. During the client installation, you would be required to enter the Winmag Master station host name(please remind, no IP address), and the noted request ID.
    iii. After client installation successfully finished, the client station will use the request id to require the first connection to the Winmag master station. And if both the time period is valid and request id is correct, the client station will get it's own certificate from the master station to connect in the future. After that, the request id is no more valid. You cannot use the request id to repeat the steps above again.
    iv. If you occasionally enter some wrong request id, you need to uninstall the Winmag client, and reinstall it again.
    v. If you find out your preconfigured time period for the request id is already not valid, and you have not tried to install the Winmag client yet, please simply edit your time period settings in WinmagConfig, and save it. After that you can try to install the Winmag client.
    vi. If you need to change the host name of the Winmag master station, please create a backup of your database and all your application files. Then uninstall Winmag and delete the Winmag installation directory afterwards. Now run the installation and use the backups to restore your previous application. Please remember to set the new host name of the master station inside the network configuration.
    vii. If you need to change the host name from a Winmag client, after the communication between Winmag master and client is already running, you need to delete the old entry of that station from the station list in WinmagConfig, and re-add the station with the new host name and generate a request id with valid time period, then uninstall Winmag on that client, and reinstall it again, after that it should work again.

18. OPC-Server

a. Different from V05, the communication between the OPC server and WinmagCore in V06 is encrypted.
b. As same as V05, it is still possible to run OPC Server remotely from any Winmag station.
c. Due to known Cyber security vulnerabilities, most of suppliers remove the support of the old OPC DA integration. So, during upgrade older version Winmag OPC integration to V06, please pay attention and check
    i. whether the support of your existing OPC DA integration is already discontinued.
    ii. Is there any possibility to upgrade to any OPC UA integration?

19. Symbols with language specified bmp after conversion

- If you are using symbols with language dependent picture such as

a. After converting, it would turn to English picture, please manually replace those specified symbol layers bmp files with the original German bmp with the same layer name as in English. After that the symbol will work proper.

20. Core macro function

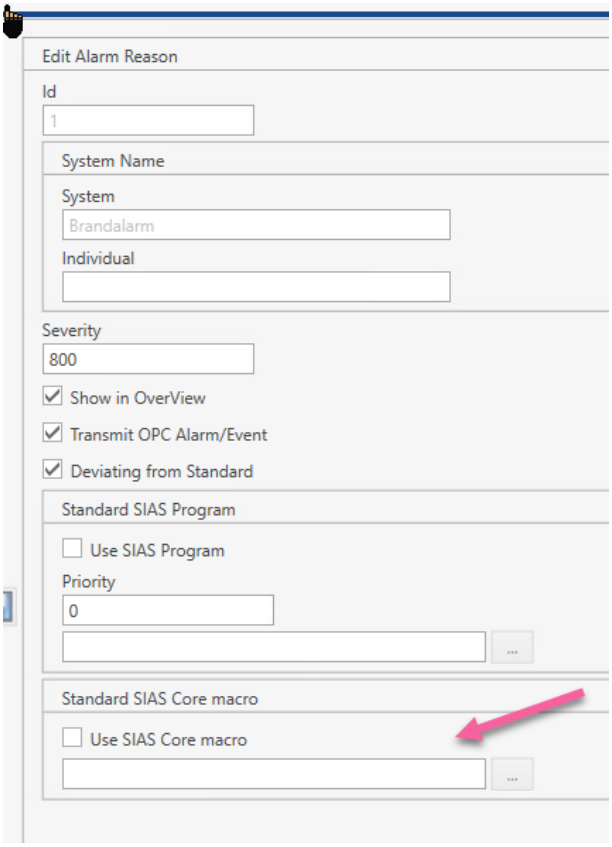
a. As same as in V05, we support WXE/WXM in Winmag UI to run both macro and SIAS programs.

b. In order to support WinmagCore as service run as gateway, we added core macro functions in V06.

i. There is a Coretrigger.wxc file which is similar as ausbed program for Winmag UI. It is not allowed to change CoreTrigger.efc.

ii. Coretrigger.efc is calling “coretrigger_macro.efc”, which you could freely adapt for your purpose. And beside this,

iii. Coretrigger.efc also call <<<exec_default_prog>>>. If you activate “Use SIAS Core macro” for a specified alarm reason, and selected default core macro(*.wxc) should run, it will be executed automatically when alarm occurs.



iv. Please find SIAS commands availability table for SIAS Program, SIAS Macro and core macro as followed:

Command	eff	efm	efc	Comments
Ack	**X**			
act_utc_time	X	X	X	
alarm_reason_counter	X	X	X	
alarm_type_counter	X	X	X	
autoclose	X	X		
back_color(R,G,B)	X			
beep	X	X		
bell	X	X		
call(program/variable)	X	X		
call_macro(macroname)	X	X	X	
cascade	X			
check_notification_ack(id)	X	X	X	
check_notification_sent(id)	X	X	X	
cls	X			
confirm"text"	X	X		
dec variable[(wert)]	X	X	X	
delay_ms(msec)	X	X	X	
delay(sec)	X	X	X	
disable "net","obj_name","mp_name","state_name"	X	X	X	
disable_layer_by_id	X	X		
disable_layer_by_name	X	X		
dismanual"text"	X	X		
display_image ("zeichnung"[,zoom)	X			See Point 21
display “string”,variable,text.txt	X			
display_rtf	X			
display"text",variable,text.txt	X			
dtmf_menu(name, on_key_1()"text")	X	X		
email_notification("to", "subject", "message" [,"Anhang", "CC", "BCC"])	X	X	X	
enable "net","obj_name","mp_name","state_name"	X	X	X	
enable_layer_by_id	X	X		
enable_layer_by_name	X	X		
exec (program,prio[,typ])	X	X		
exec_autoclose (program,prio[,typ])	X	X		
exec_default_prog	X	X	X	
exec_macro (macroname)	X	X	X	
exec_popup_prog (programm)	X	X		
exit	X	X	X	
fax_notification(telephone,message)	X	X	X	
file_append	X	X	X	
file_delete	X	X	X	
file_exists	X	X	X	
file_read	X	X	X	
file_read_line	X	X	X	
file_write	X	X	X	
find	X	X	X	
finish	X			
finish_at_change(prio)	X			

freeze_controls	X			
generate_wav_file	X	X	X	
get_fkt_nr	X	X	X	
get_edperror_code(errorcode)	X	X	X	
get_graphic_text	X	X		
get_graphic_xpos	X	X		
get_graphic_ypos	X	X		
get_integer wert	X	X	X	
get_mp_nr_from_id	X	X	X	
get_mp_text_data	X	X	X	
get_obj_nr_from_id	X	X	X	
get_parent_picture_id	X	X		
get_playbacktime	X	X	X	
get_system_property	X	X	X	
getparameter	X		X	
gettime"text"	X			
graphic_id	X			
hardcopy(Nr,Drucker)	X			
has_popup_alarm_parameter	X	X		
if (Bedingung) then...else...endif	X	X	X	
inc variable[(wert)]	X	X	X	
insert	X	X	X	
is_message_in_stack	X	X		
is_message_removed	X	X		
is_mp_in mandant	X	X		No function in V06
left_substring(string,separator)	X	X	X	
length	X	X	X	
lock_tile_off	X	X		
lock_tile_on	X	X		
login	X			
logout	X			
manual(program,prio,typ,"text"[parameter])	X	X		
maximize	X			
maximizepicture(nr)	X			
maximizeprog	X			
message ("text" / variable[+"text"/variable], Nr[,"benutzerdefiniertes Feld 1",..., "benutzerdefiniertes Feld 10")	X	X	X	
minimize	X			
mp_exists	X	X	X	
newpage	X			
on_close_exec_macro(macro)	X	X		
on_control_exec_macro(variable,macro)	X	X		
on_open_exec_macro(macro)	X	X		
order_by	X	X	X	
pager_call	X	X	X	
parent_var typ name [=wert]	X	X	X	
picture(Nr[,"Name"/ID])	X	X		
picture_id	X			
popup_autoclose	X			
popup_pin	X			

popup_pin_parent	X			
popup_pos(x,y)	X	X		
popup_size (x,y)	X			
print_graphic(Nr,Drucker)	X	X		
priority (wert)	X			
prog_width (wert)	X			
prot_off	X	X		
prot_on	X	X		
put parameter	X	X	X	
put_graphic_pos(mp,x,y)	X	X		
put_graphic_text	X	X		
reload_database	X	X		
remove	X	X	X	
replace	X	X	X	
replace_in_page	X			
reply"text"	X			
report	X			
restart_driver	X	X		
right_substring	X	X	X	
run("program","parameter")	X	X		
run_no_window("program","parameter")	X	X	X	
screenshot	X			
search parameter	X			
search_alarm_type (nr)	X			
search_alarm_reason (nr)	X			
seek "net","obj_name","mp_type_name","state_name"="fkt_name"	X	X	X	
seek_alarm_reason (nr)	X	X	X	
seek_alarm_type (nr)	X	X	X	
send_prog_to_group	X			
send_prog_to_station	X			
send_prog_to_user	X			
set_control_text	X			
set_title_popup	X			
simulate	X	X	X	
simulate_text	X	X	X	
simulate_value	X	X	X	
single_symbol_on/off	X	X		
sms_notification(telephone,message)	X	X	X	
sound"Name"[,loop]	X	X		
speak (message)	X	X		
stack_color(R,G,B)	X			
substring	X	X	X	
system_var typ name [=wert]	X	X	X	
tile	X			
tilepicture	X			
top	X			
url(Adresse)	X			
url_secure[(mp_nr)]	X			
use_popup_alarm_parameter	X	X		
var typ name [=wert]	X	X	X	
voice_channel(name,menu)	X	X	X	Function not

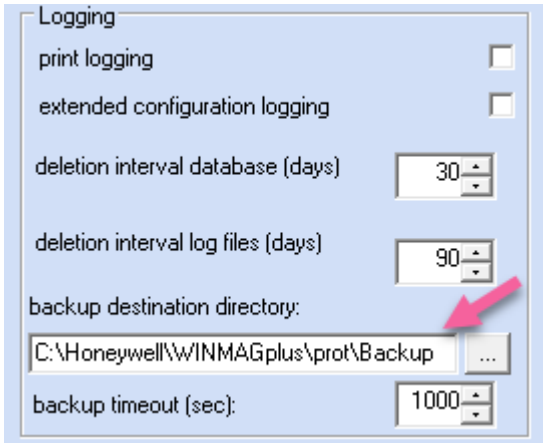
				available in V06
voice_notification(telephone,message)	X	X	X	
wait(min)	X			
waitforkey	X			
winmag_exit	X	X		
while (bedingung) ... endwhile	X	X	X	
word_wrap_off	X	X		
word_wrap_on	X	X		

21. Information to *display_image ("zeichnung"[,zoom)*

- In Winmag V06, directly embedded graphics in the SIAS programs could not be displayed correctly, for instance „popup_Legende". To show a graphic correctly, please use the SIAS-command "display_image". In this case, please reference "popup_Legende_V6.eff" as an example.

22. Database backup

a. In V05, we are using SQL-Server Backup Routine for backup the Winmag Log database.



i. The automatic backup is done every hour by default into the folder which set in the field as in the screenshot above.

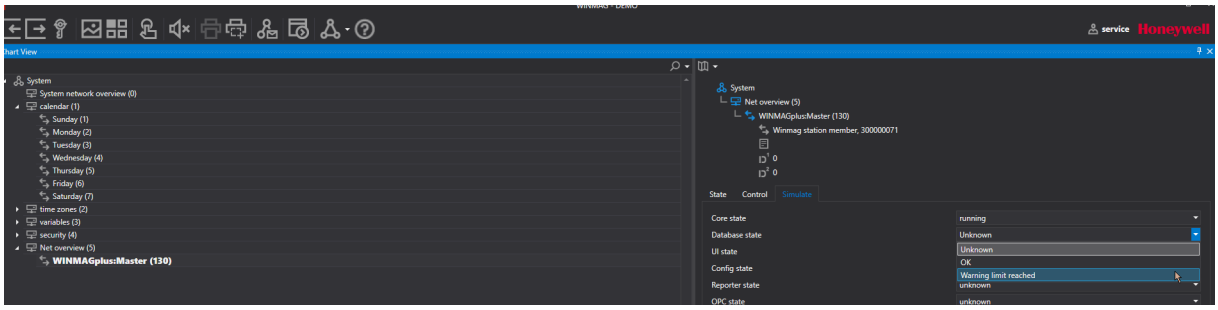
b. In V6, we are using firebird database.

c. There is still the “backup destination directory” setting, which means, if you want to do auto backup for database, the back up will be written automatically in the specified folder. And if you haven’t specified any destination directory, those back up files will be written automatically into “[Winmag installation folder]\bin\SIC” directory.

d. Compare to Winmag V05, as you could see in the screenshot, we add 2 more additional settings for log database:

i. “Max records count for log table”, now we offer a possibility to set the max. records count for the log table. When a new day begins, Winmag will check whether the limit exceeds, if yes, the oldest records with the exact amount which exceed the limit will be automatically deleted.

ii. “Warning on Log database reach capacity at(%)”, by default if the record count in the log table exceed 80% of the max records count, you will get the state set in “System” net -> object “Net overview” -> data point with the number of Winmag station virtual address.



iii. You can customize those settings to fit your needs.

e. To backup V06 Winmag database, you need to define a job. And to specify when it should be done automatically, you need to define a time schedule.

i. For example, we add a backup schedule that a database backup should be done automatically at 19:30 daily

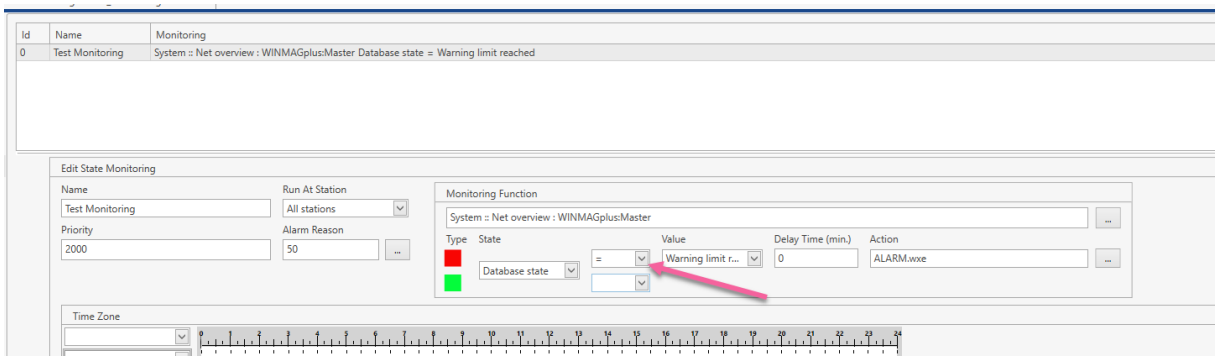
ii. So now we add a backup job as followed by using the new “Backup schedule”.

iii. After auto backup, you will find the following three files:
   1. WMNGDBYYMMDDHHmm.FBK Winmag configuration database backup
   2. WMNGLOGDBYYMMDDHHmm.FBK Winmag Log database backup
   3. WMNOTIDBYYMMDDHHmm.FBK Winmag Notification database backup
      a. YY= 2 digit year number, for example, 2021 is 21, 2022 is 22
      b. MM = 2 digits month number, January = 01 November = 11
      c. DD = 2 digits day number,
      d. HH = 2 digits hour number, 1 am = 01, 7pm = 19
      e. mm = 2 digits minute number.

f. Please pay attention, you cannot generate auto backup twice in the same minute.
g. Beside “Database backup” job, you can define a job to do “database shrink” action too. During shrink action, all the old records which is older than the “deletion interval of database” would be deleted, and any older records which exceed max. records count would be deleted as well.

23. State monitoring

a. There is an issue in the V05 or older version of Winmag: if you are monitoring “any state = any value”, then some program should be started, but in case, the program is call if the state is not the value.
b. In V06, we fixed this issue, and if you convert any older V05 configuration, it will be automatically converted to the correct definition.



3 Clientele functionality

The following part of his document is intended for all customers who have used the function "Clientele" in WINMAG plus version V05 and older.

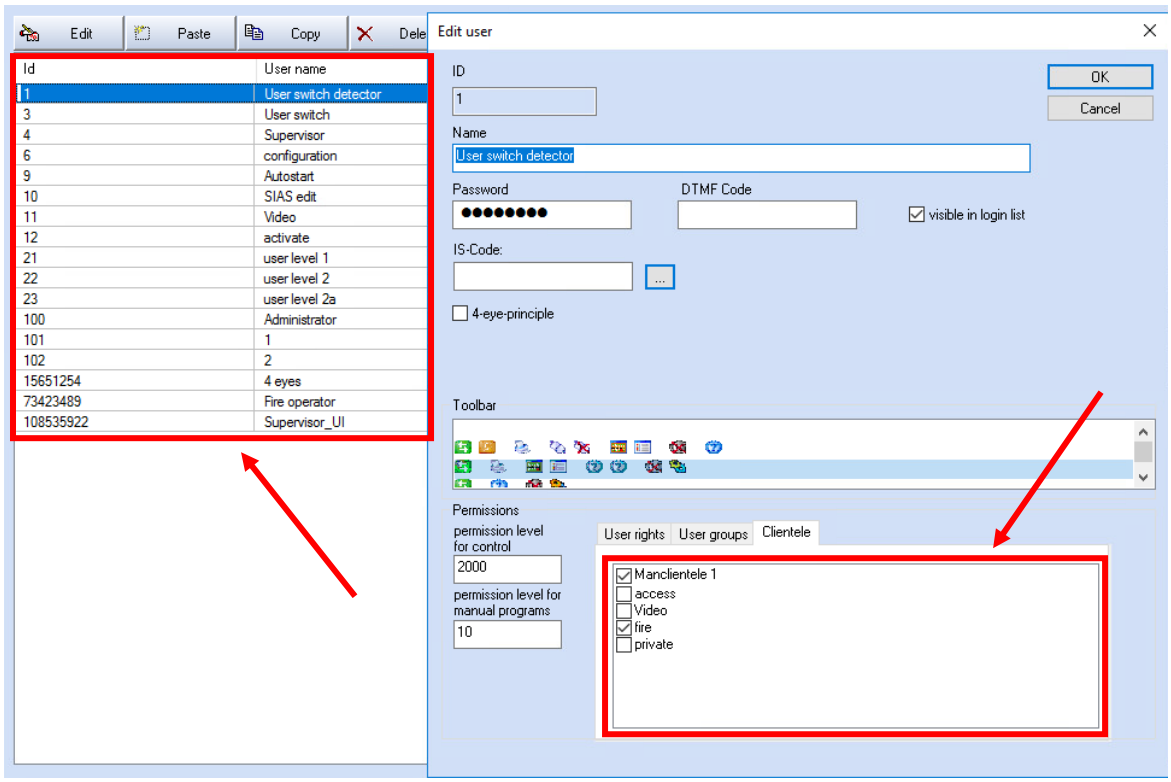
This function is no longer available in WINMAG plus V06.

This description in this document helps you to configure a comparable " Clientele" functionality in V06.

4 Build matrix tables of the WINMAG plus V05

4.1 Build a matrix table for the actual clientele settings of existing users

1. In V05 of the WINMAG plus go to **“Edit system configuration”** -> **“Edit users”**.



Display 1

2. Select all users one after the other.
3. Note down the clientele settings combination for all users as the following table:

User ID	User name	Clientele settings
1	User switch detector	Manclientele 1, fire
3	User switch	Manclientele 1, access
4	Supervisor	Manclientele 1, access, video
9	Autostart	Manclientele 1, access, video
73423489	Fire operator	Fire
…		

Table 1

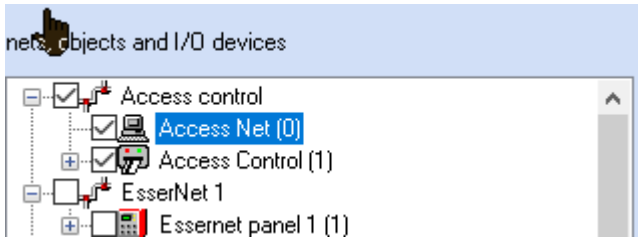
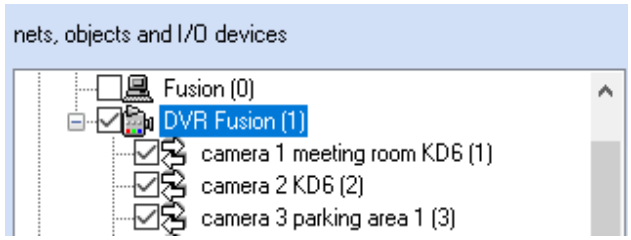
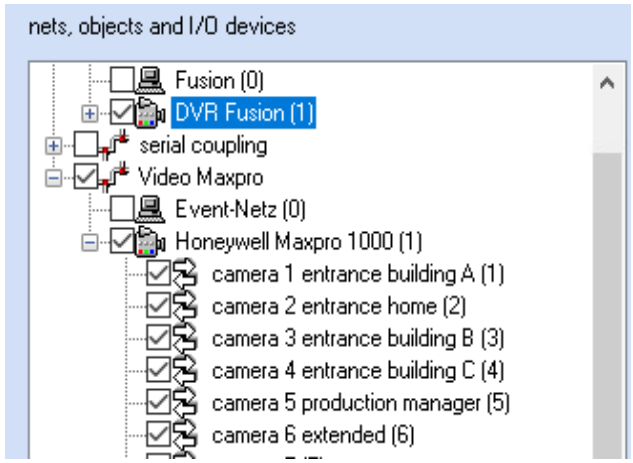
4. Analyze the table.
   - ➢ Each of those combinations of the “Clientele settings” would be on individual UI configuration profile in the V06.
   - ➢ For example, the table above shows four different combinations:

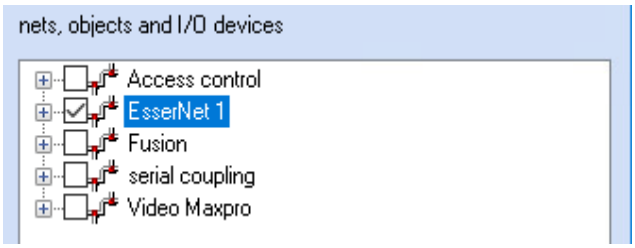
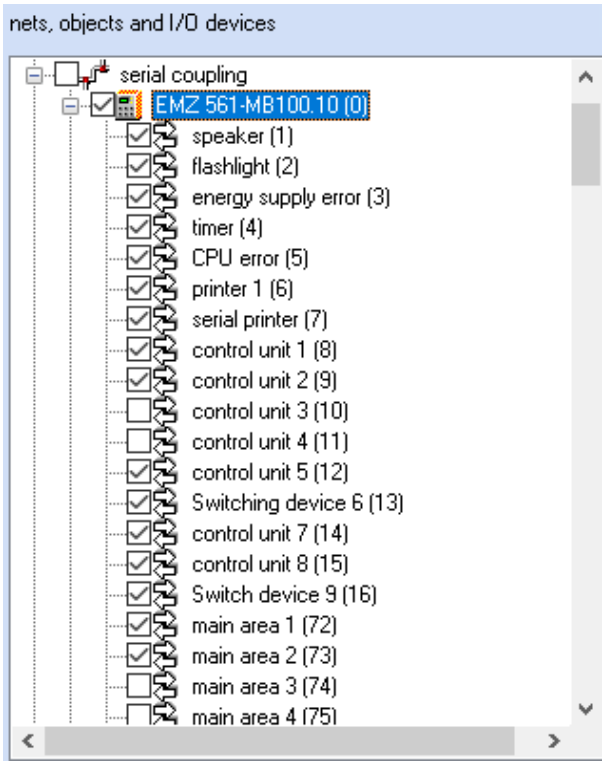
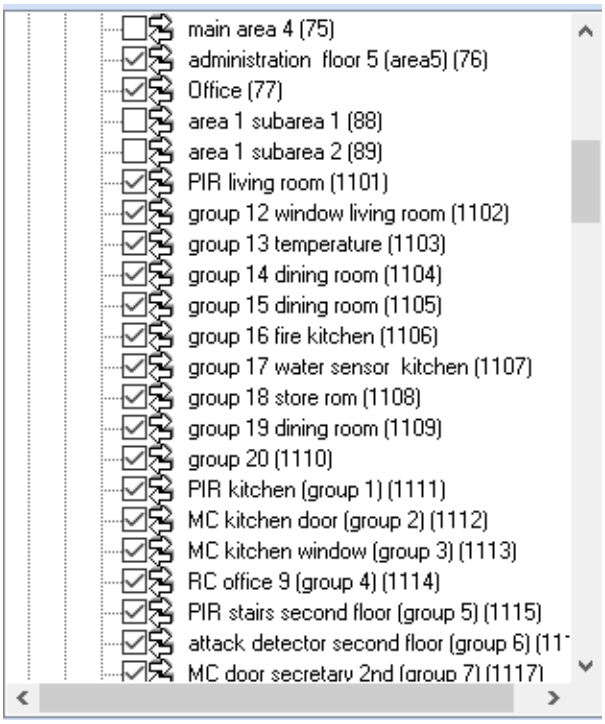
- Manclientele 1 + access
- Manclientele 1 + fire
- Manclientele 1 + access + video
- fire

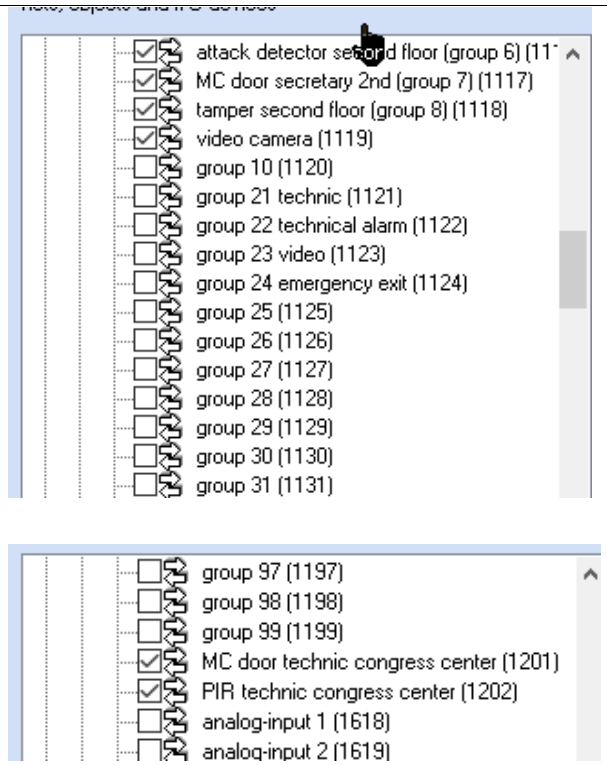
   - ➢ Therefore configure maximal four new “user configuration” profile.

4.2 Build a matrix table for all existing clientele

1. Analyze all existing clientele in V05.
2. Note down the assigned nets, objects and data points for them.
   - ➢ An additional table is required to remember the current nets, object and data point settings.
3. In V05 of the WINMAG plus go to **“Edit system configuration”** -> **“Edit clientele”**.
4. Analyze the clientele settings.
5. Note down the clientele settings as the following table (either insert the corresponding screenshots into the table or note the activated checkboxes):

Clientele name	Assigned device
Manclientele 1	All
Access	
Video	 

Fire	
Private	 

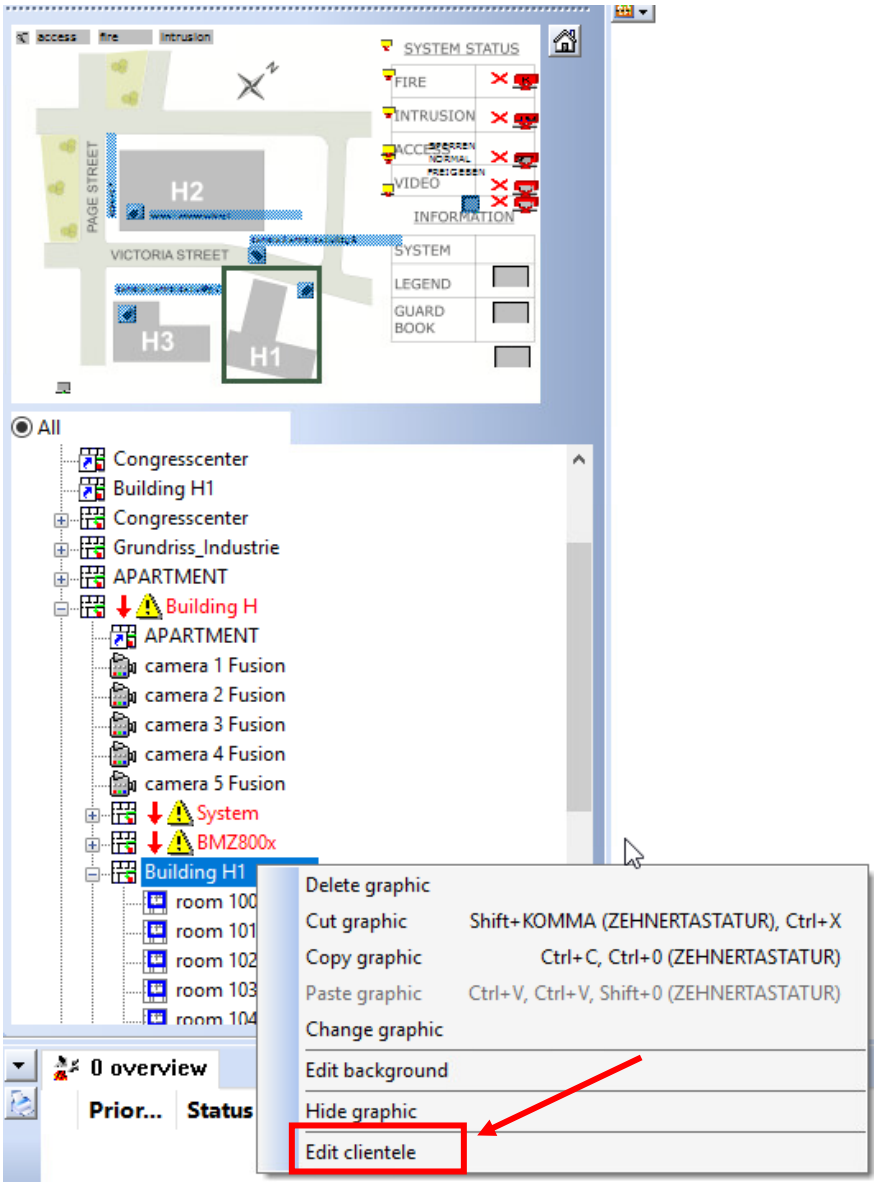

attack detector second floor (group 6) (11
MC door secretary 2nd (group 7) (1117)
tamper second floor (group 8) (1118)
video camera (1119)
group 10 (1120)
group 21 technic (1121)
group 22 technical alarm (1122)
group 23 video (1123)
group 24 emergency exit (1124)
group 25 (1125)
group 26 (1126)
group 27 (1127)
group 28 (1128)
group 29 (1129)
group 30 (1130)
group 31 (1131)

group 97 (1197)
group 98 (1198)
group 99 (1199)
MC door technic congress center (1201)
PIR technic congress center (1202)
analog-input 1 (1618)
analog-input 2 (1619)

Table 2

4.3 Build a matrix table for clientele-graphic settings

1. Go to **“Edit graphics”**.
2. Click right mouse button on each graphic node.
3. Select the **“Edit clientele”** menu.



Display 2

4. Note down the settings as the following table:

Graphic name	Tree level	Clientele settings
Honeywell_city	0	All
Congresscenter	1	Manclientele 1
Appartment	1	Manclientele 1, Access, video, private
Kitchen	2	Manclientele 1, video, private
Building H	1	Manclientele 1
BMZ800x	2	Fire
System	3	Fire

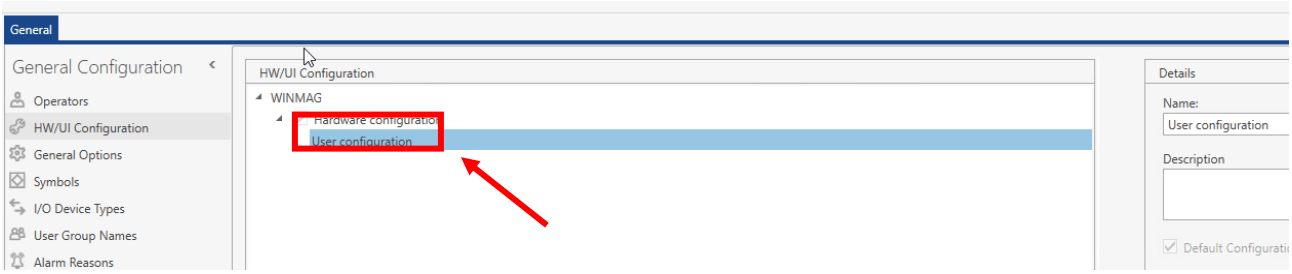
FAC	4	Fire
…		

Table 3

5 Configure UI Profiles in WINMAG plus V06

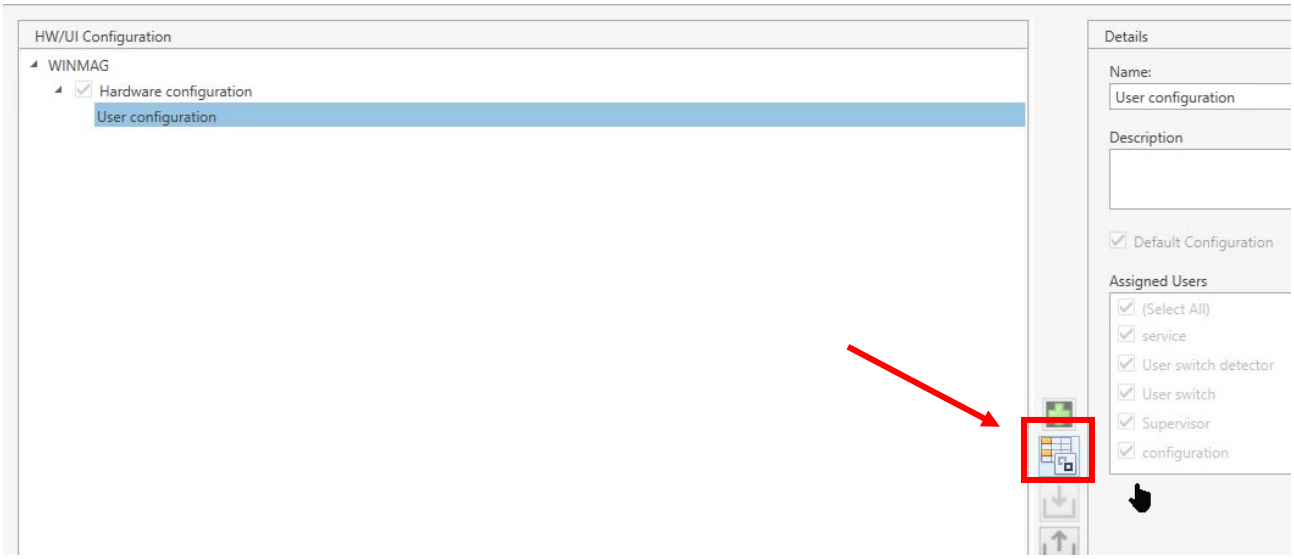
5.1 Copy and edit a UI Profile

1. Clone the existing user profile.
   - ➢ After you using “Converter” to convert your V05 configuration into V06, there is already a standard UI configuration automatically generated with all nets, objects, data points and all graphic available.



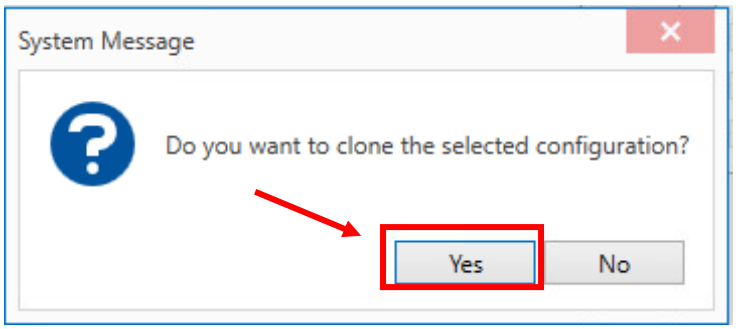
Display 3

2. Configure max four user configuration profile to rebuild all combinations of the V05 configuration (see table 1).
   - ➢ In the Clientele-assigned device table (see table 2) can be seen all nets, objects and data points. So for all the clientele setting combinations which included “Manclientele 1”, it is easiest way to copy the existing UI configuration.
3. Click on the **“Replicate”** button.



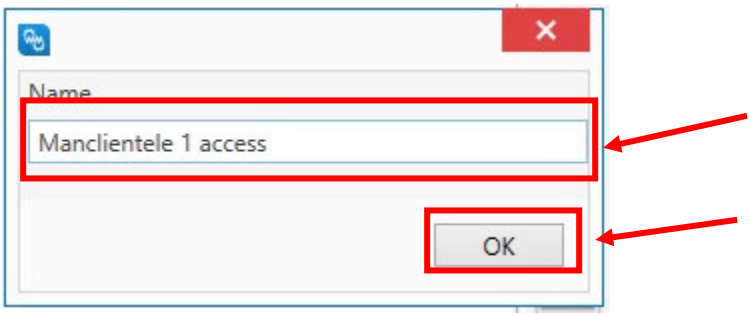
Display 4

4. Click on the **“Yes”** button on the message box (see display 5).



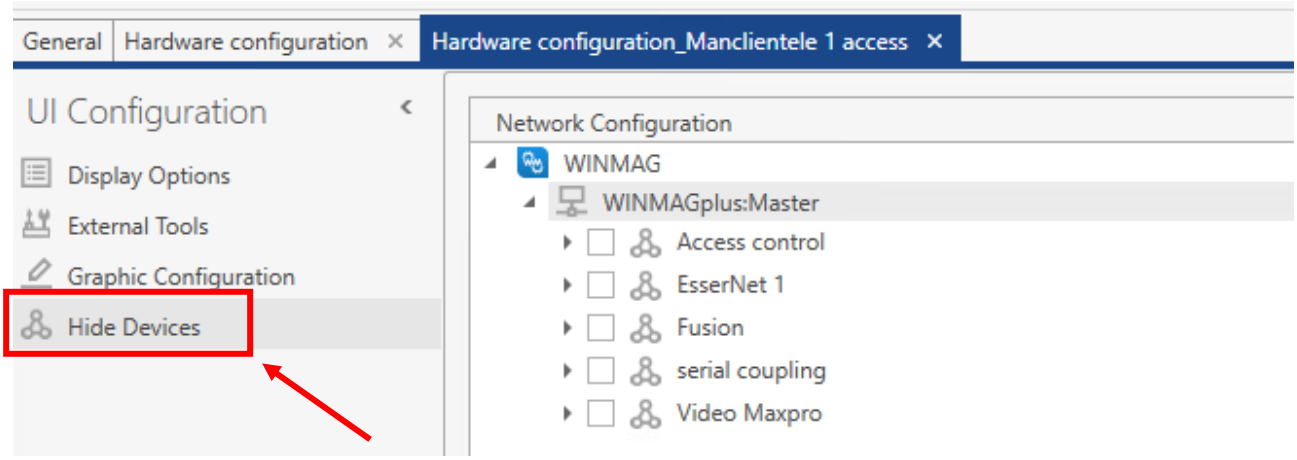
Display 5

5. Enter the user profile name “Manclientele 1 access”.
6. Click on the **“OK”** button.



Display 6

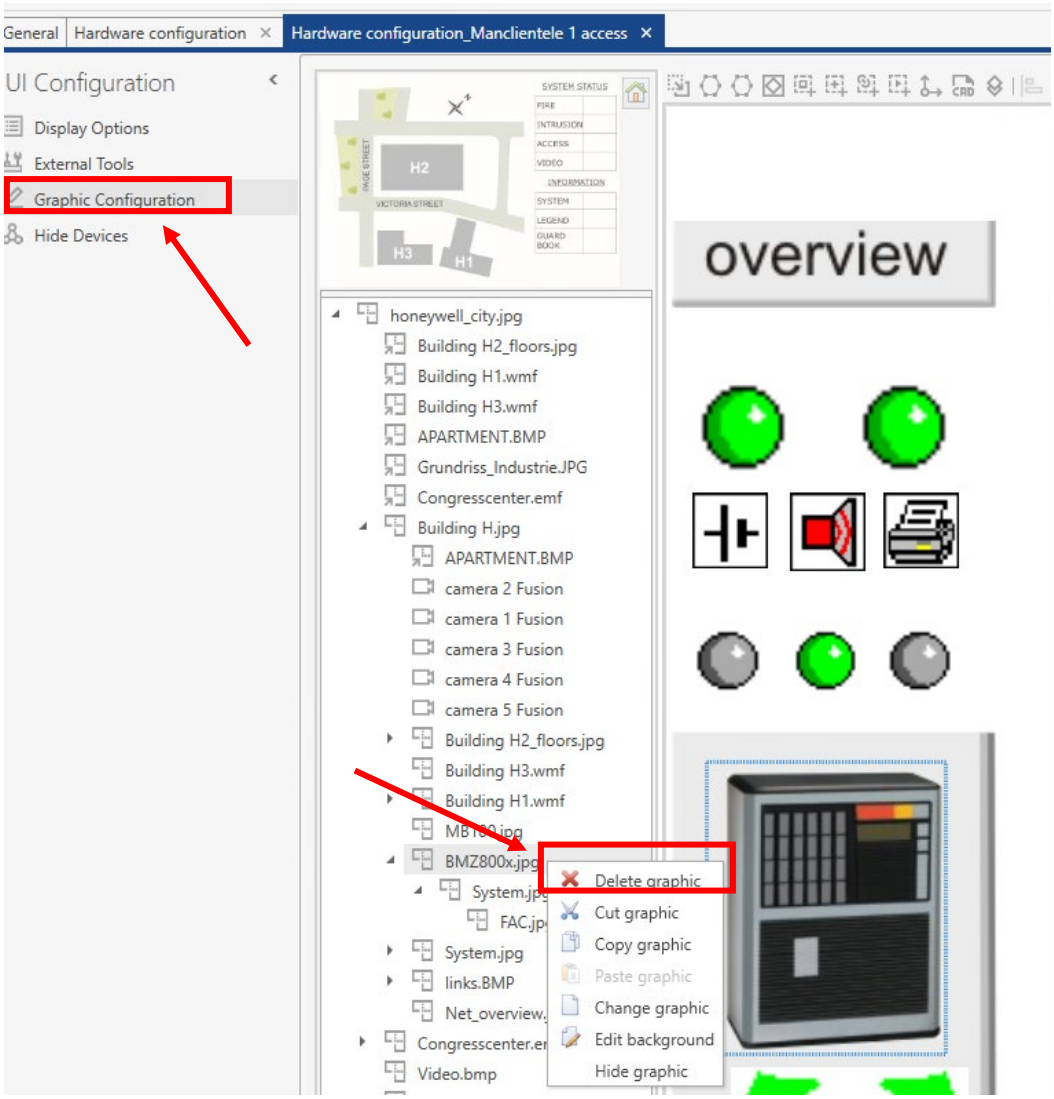
7. Double click on this new UI configuration.
   - ➢ The UI configuration is opened.
8. Select submenu **“Hide Devices”**.



Display 7

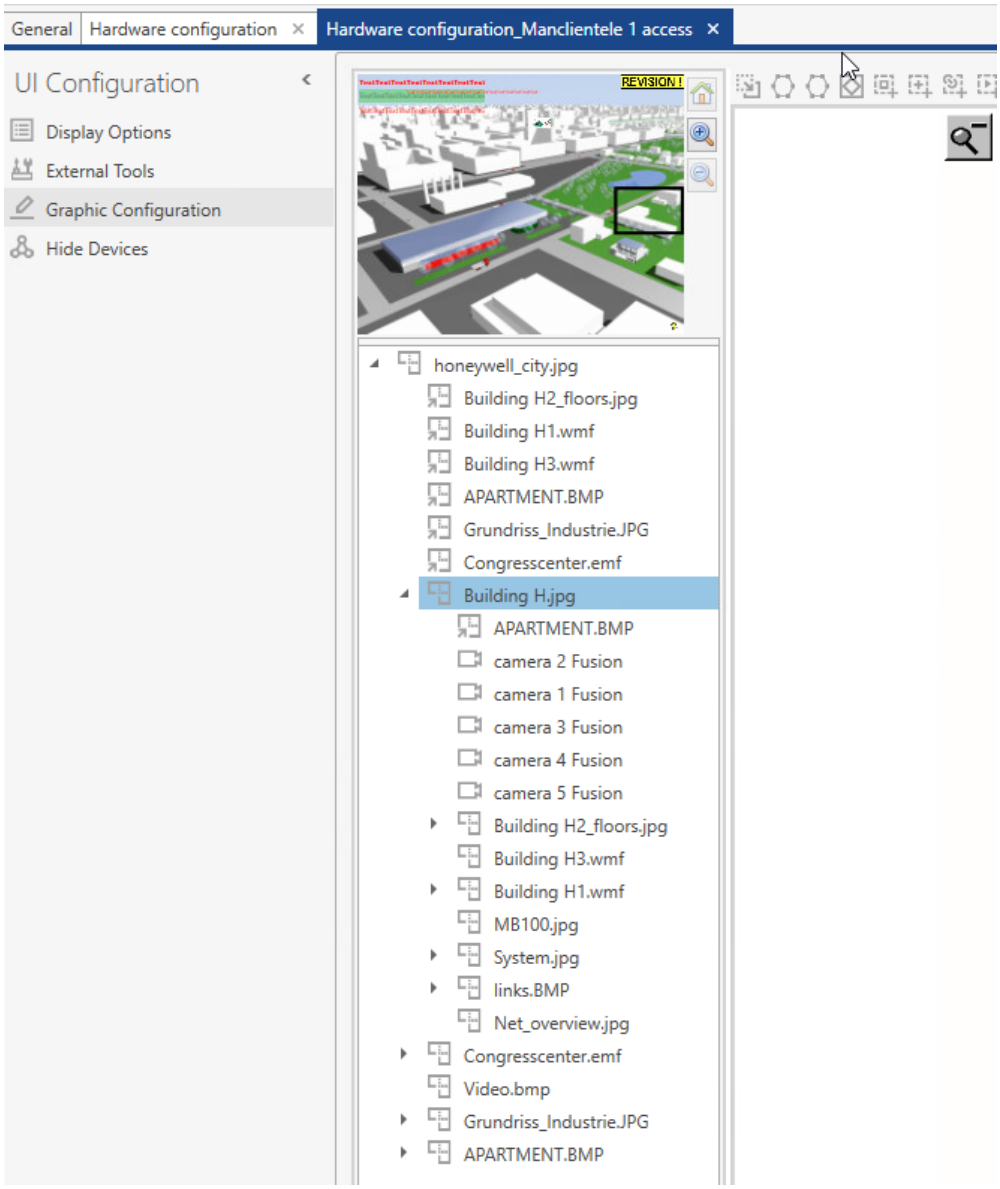
   - ➢ Since all the devices are visible for “Manclientele 1”, and all the activated clientele options are logical disjuncted for a user, so every clientele setting combination which includes “Manclientele 1” can see all the devices.
9. Change to the submenu **“Graphic Configuration”**.
   - ➢ Only “BMC800x.jpg” and all its children graphic are not visible for “Manclientele 1”, and only visible for “fire”.
10. Go to the graphic tree.

11. Delete all those three graphics from the graphic tree.



Display 8

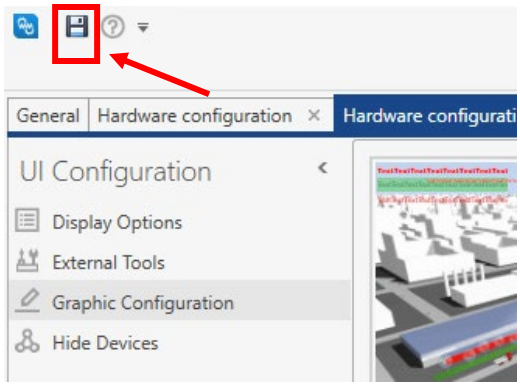
➢ The graphic tree is as followed:



Display 9

12. Click on the **"Save"** button to save the settings.
13. Close the settings.

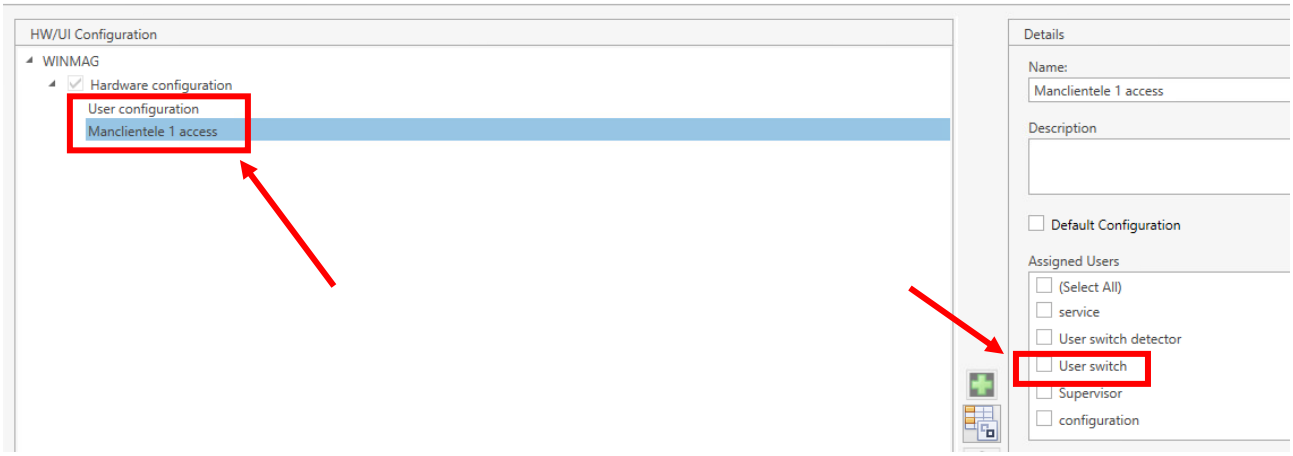
➢ The first UI configuration setting "Manclientele 1 access" is created.



Display 10

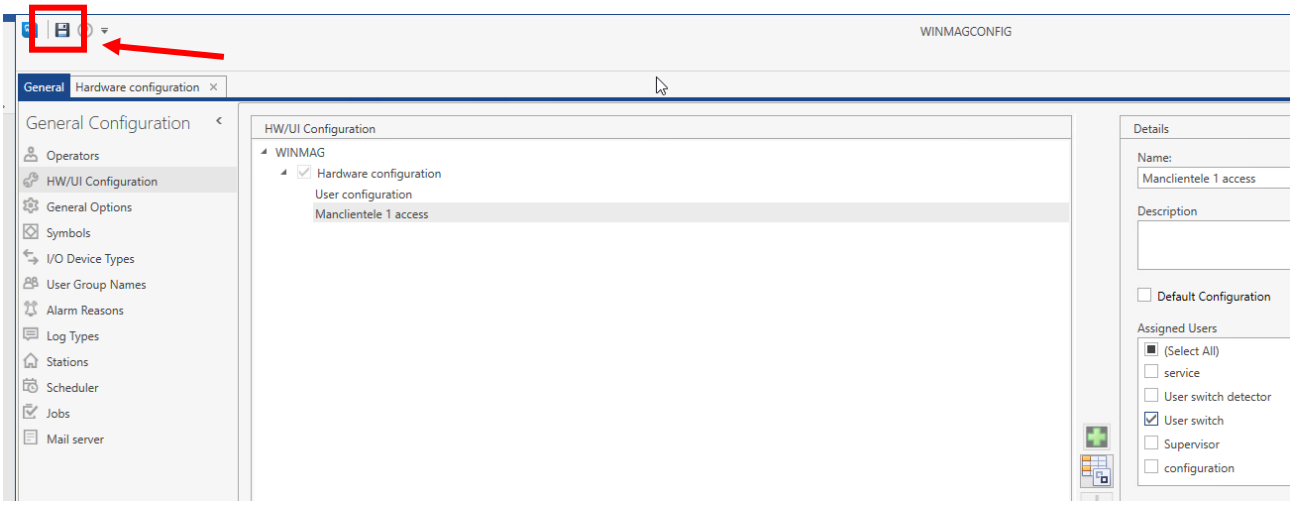
➢ "User switch" is set with the clientele combination "Manclientele 1 access" (see table 1).

14. Switch to **“General Configuration”** -> **“HW/UI Configuration”**.
15. Click on the new configuration **“Manclientele 1 access”**.
16. Activate check box of **“User switch”** in “Assigned users”.



Display 11

17. Save the configuration via button **“Save”**.



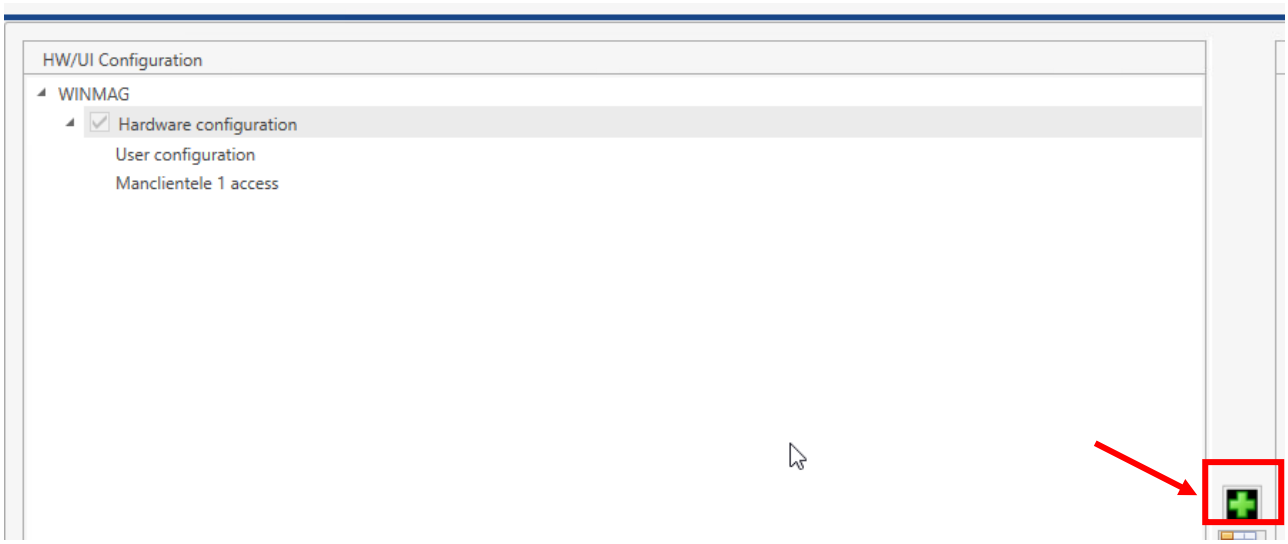
Display 12

5.2 Create a new UI Profile

In some cases it is much easier to create an new UI configuration than copy and editing an existing UI configuration.

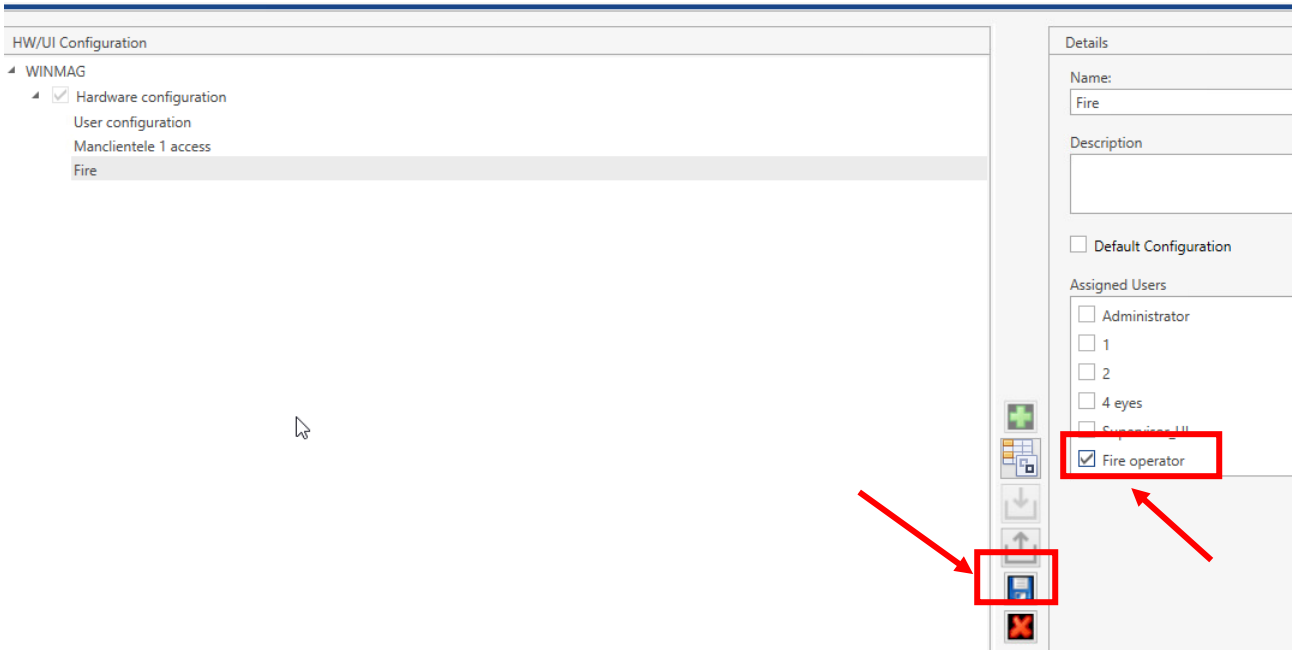
This example describes how to create a new UI configuration using the "Fire operator" user.

1. Click on the **“Add”** button to create a new UI configuration.



Display 13

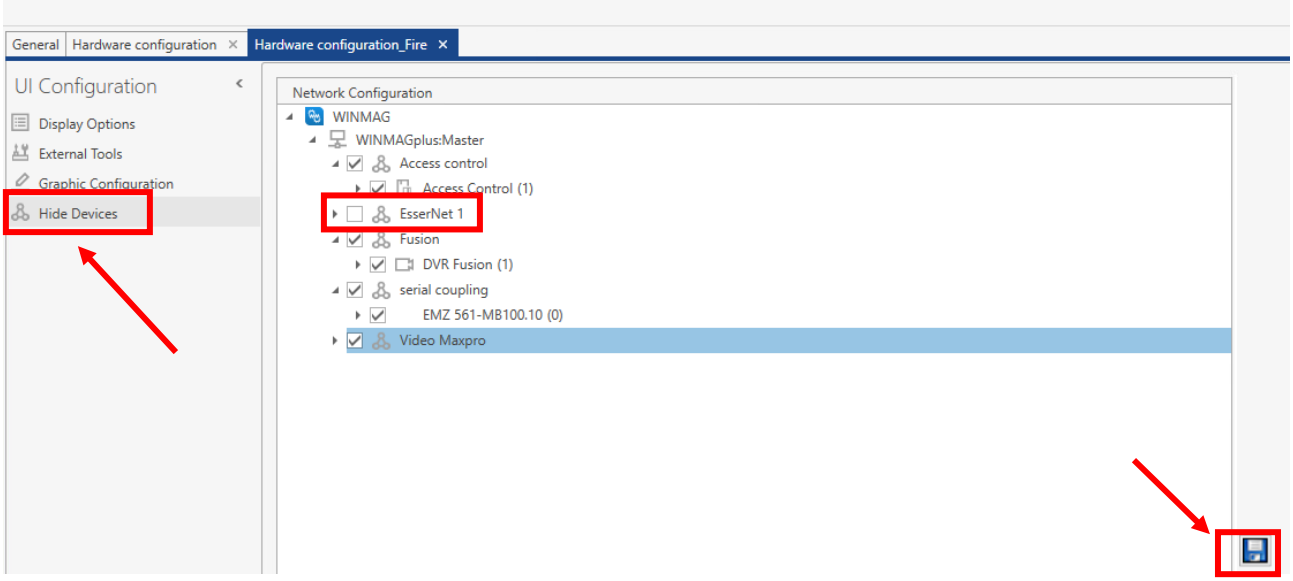
2. Change the new UI configuration profile name to “Fire”.
3. Activate **“Fire operator”** in the “Assigned Users” list.
4. Click on the **“Save”** button.



Display 14

5. Double click on the HW/UI Configuration **“Fire”**.
   - ➢ The Hardware configuration is opened.
6. Go to the submenu **“Hide Devices”**.

7. Set all nets except “EsserNet1” to invisible.
8. Click on the “Save” button.

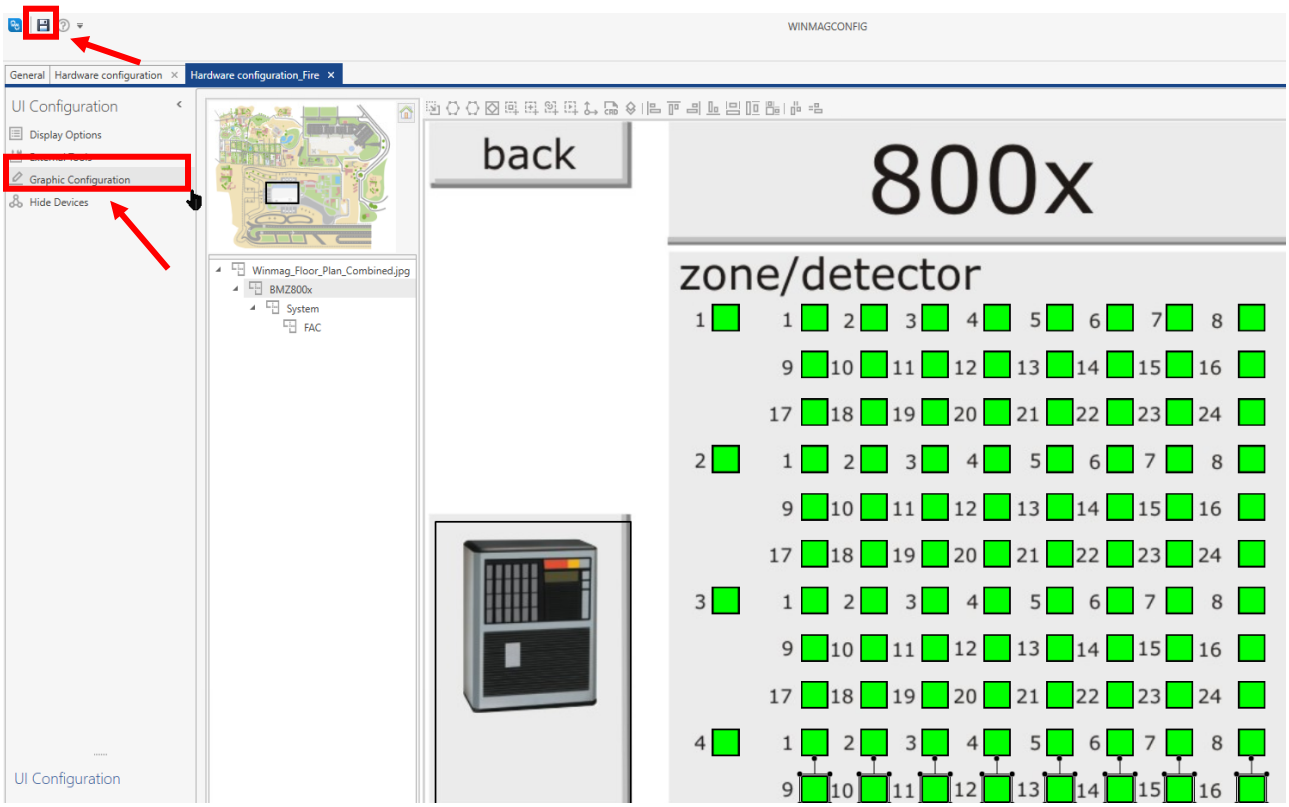


Display 15

9. To build a new graphic tree, go to the submenu **“Graphic Configuration”** (see display 16).

Pay attention, a graphic tree means to insert all the pictures and symbols again.

10. After everything is done, click on the **“Save”** button to save the new UI configuration settings.
11. Repeat the step **Build a matrix table/Configure new UI Profiles** to build all necessary clientele combinations to new UI configuration profile.
12. Assign them to the specified users per the table 1.
    - ➢ A new UI profile is created.



Display 16

The old SIAS commands ”in_mandant” and ”is_mp_in_mandate” have no function in V06, they always switch return to ”true”. However, it is no more necessary to use those commands, because a login user can never receive any alarms from those invisible nets, objects and data points. Consider to remove those commands for the V06 SIAS programs/macros.

6 Template tables

6.1 Matrix table for the actual clientele settings of existing users

User ID	User name	Clientele settings

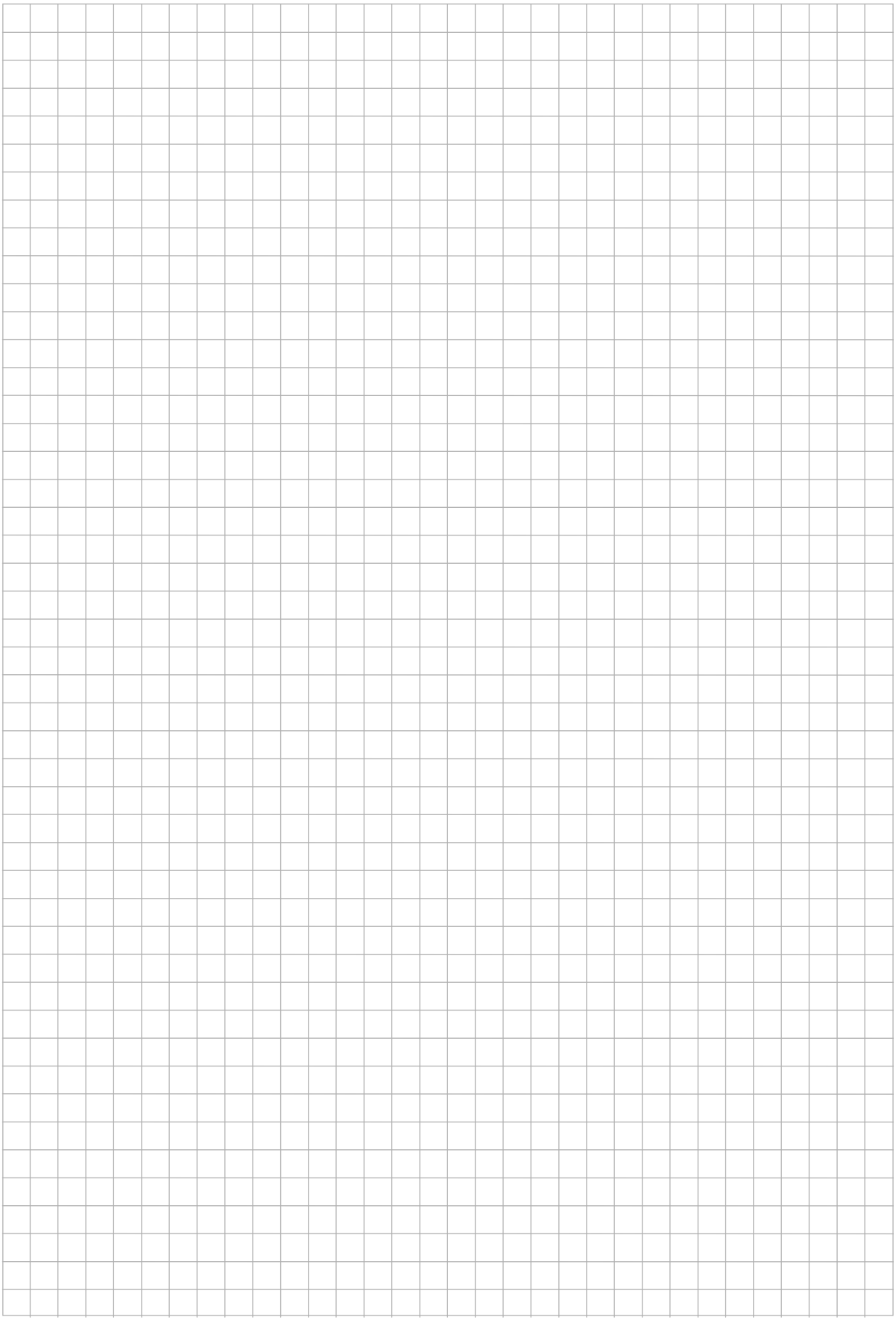
6.2 Matrix table for all existing clientele

Clientele name	Assigned device

6.3 Matrix table for clientele-graphic settings

Graphic name	Tree level	Clientele settings

7 Notes



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