Honeywell Enraf

Configuration manual

Entis Pro version 2.70x for Windows 7

PREFACE

This manual describes how to configure the Entis Pro system. It has been written for system supervisors as well as engineers to provide them with all information to configure the system.

For installation details refer also to the installation Guide Entis Pro.

This installation guide describes the (requirements for) installation and start-up of Entis Pro and Windows 7 Professional.

Safety and prevention of damage

'**Cautions**' and '**Notes**' have been used throughout this manual to bring special matters to the immediate attention of the reade.

> ⚠ *A* **Caution** *draws attention to an action which may damage the equipment.*

> ℹ *A* **Note** *points out a statement deserving more emphasis than the general text, but does not deserve a "Warning" or a "Caution"*

Additional information

Please do not hesitate to contact Honeywell Enraf or its representative if you require additional information. Refer also to the list of related documents in Appendix.

Legal aspects

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- Deviation from any of the prescribed procedures
- Execution of activities that are not prescribed

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INTRODUCTION

The concept of the New Tank Inventory System consists of modular parts:

- Field instrumentation
- CIU Prime
- CIU Plus
- Entis Pro

Field instrumentation

The instruments in the field collect measured data like level, temperature, density and / or pressure.

The instruments are based on several principles: mechanical, servo, radar, hydrostatic and capacitive or a combination.

The instruments measure the data and transmit it upon request of higher layered systems.

Ensite Pro

This is a configuration tool used for commissioning of the CIU Prime & Plus.

CIU Prime

This unit is an interface between the field instrumentation and inventory systems. It receives data from the field and converts it to digital signals (Modbus) for systems like CIU Plus, PLC, Ensite, etc.

CIU Plus

This unit calculates volume, standard volume, mass, density, flow rate, etc. It receives data from the CIU Prime and calculates all other data. It presents data to higher layered systems like Entis Pro, SCADA, DCS, Ensite, etc.

Input boards	Two fixed RS-232C / RS485 input boards interface to a CIU Prime.
Output boards	Up to four RS-232C / RS485 output boards can be installed to interface host communications (Modbus) with Entis Pro, SCADA, DCS, Ensite, etc. For a description of the Modbus protocol, refer to the related instruction manual.
Automatic calculation	After configuration, the CIU Plus automatically scans the CIU Prime for all measured data, calculates data and stores the information in a database. For a description of the configuration and programming, refer to the CIU Plus configuration manual.

Entis Pro

This system displays calculated & measured data from the CIU Plus.

It is a Windows 7 based program, displaying data in windows, boxes, tables, graphs, etc.

These are standard windows components.

This section describes the various configuration tasks in the Entis Pro system.

Configuration is done through single windows.

These windows enable the system supervisor to configure the following Entis Pro tasks:

- Communication links

- Access privileges to users

- Views, groups, event generation and alarm profiles

- W&M approved tasks (can only be configured by W&M authorities)

Data entered through one of the above mentioned configuration tasks is valid on a system wide basis. This means that only one edit / configure session can be open throughout the entire system.

Defining communication links

This section describes how to define network stations, I/O communication ports with one or multiple CIU's or 45E host links. In case of communication with a CIU Plus the Ensite ini-files (configuration files of the CIU Prime and Plus) can be loaded into the Entis Pro system. Entis Pro will use these files for communication with the CIU Plus and to retrieve additional data such as tank name, product type, CIU name, configuration CRC and others.

Assigning access privileges

This section describes how the system supervisor can create new users and assign or delete privileges from existing users and change passwords.

Defining groups, event generation and alarm profile

This section describes how the system supervisor can create, edit or delete views, groups, events and alarm profiles (annunciation of certain types of alarms) can be assigned to a station

Defining W&M approved tasks

This section is intended to be used by the W&M authorities. It enables the W&M official to seal approved tasks. These tasks show the aggregate over CRC's belonging to W&M approved tasks. The 'About' window shows details on all tasks and enables the W&M official to check and change W&M settings.

> *Only privileged user are allowed to access the configuration tasks*

Buttons

The configuration is done through windows Within these windows are buttons, on which the function is written. Their description is given once:
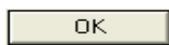
OK	Pressing this button commits any pending transaction and removes the window.
Cancel	Pressing this button discards any pending transaction and removes the window.
Apply	Pressing this button commits any pending transaction, but does not remove the window.

Key controls

Activate functions The function of a button can be activated in several ways:

mouse   move the mouse pointer to the button and click the left mouse button

Alt-key   press the Alt-key simultaneously with the underlined character key of the text on the button

Tab-key   press the Tab-key to scroll over all buttons. When the desired button is reached (marked), press the Enter-key

CIU PLUS LINKS

This window must be used to view, create or delete new stations and CIU's links.

In addition it allows the user to load (browse) files from Ensite directory.

Window layout

The CIU Plus links window consists of the following four tabs:

System	Used to select the number of level decimals
Station	The user can create or delete stations, in addition to select the Log On / Log Off expiring time, Age Alarm Timeout Foreground / Background and OPC server (option)
CommPort	Used to view, create or delete new serial ports and CIU links and to browse through files from Ensite directory
CIU+	Used to set the Ciu+ scan time and the baudrate or reload Ensite Pro ini-files

The four windows have the following common sections:

All stations	This pane at the left site of the window shows displays a tree structure of the available stations, communication ports and CIU's. Other windows can be selected by clicking on the icon in this pane
Station	Displays the name of the selected station
Available (Tab Comm Port Only)	Shows a list of the available CIU Plusses and the Ensite Pro file names. The CIU Plusses from the selected directory are listed in alphabetic order
Selected (Tab Comm Port only)	This list shows the CIU Plusses assigned to the selected station / port combination. The shown information includes the full path name for the corresponding Ensite Profile. The list is horizontally scrollable to view entire filename

CommPort TAB
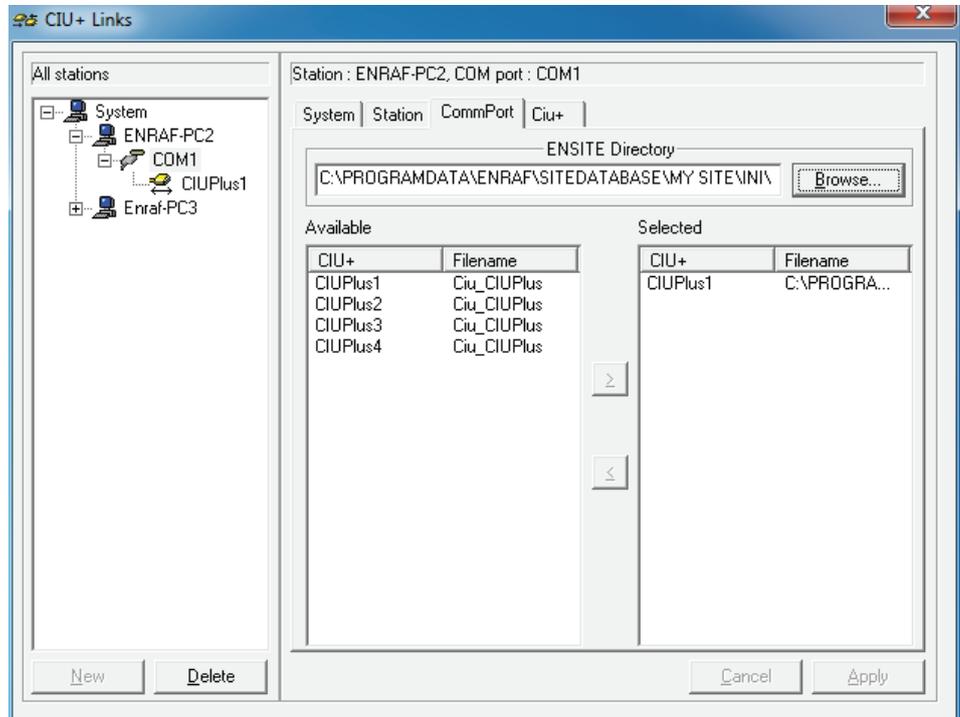
How to create a new station

1. Click on Stations in the left tree structure

2. Click on the **New** button. The *Create New Station* dialog box will appear
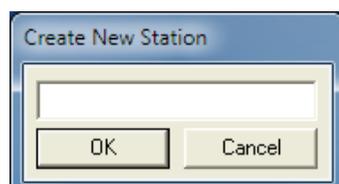
3. Enter the new name

4. Click on **OK**. The just entered name will appear in the tree structure under the header *'All stations'*

How to add a new COM port

1. Click on   Stations
2. Select the Station name you want add a new port
3. Click on the **New** button. The a *New COM* Port dialog box will appear
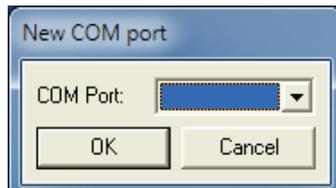
4. Selected a new COM port. Already used COM ports are not displayed
5. Click on **OK**. The just selected COM port will appear in the tree structure under the header *All stations*

> *In total a maximum of 10 COM ports can be connected to a station*

> *The during installation of the system new stations can only be created via station one.*

How to link a CIU Plus

Link the Ensite file to the New COM port. Proceed as follows:

1. Double click on   Stations in the left pane
2. Double click on the *'Station name'* to which you want to link a COM Port
3. Select the COM port. The Browse button will now be enabled
4. Click on **Browse**. The Browse window will appear

5. Select the drive and the ***Ensite directory***
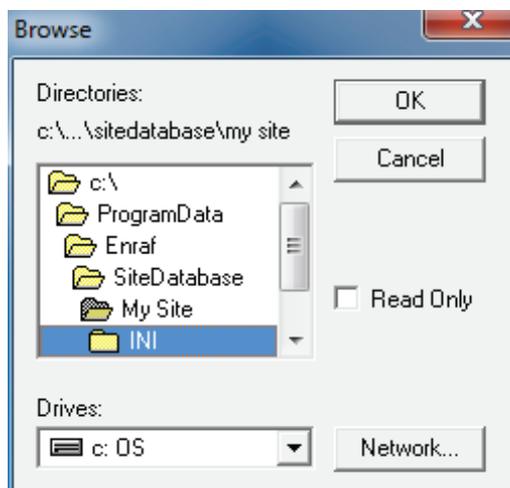
6. Click on ***OK***. The file name will appear in the *Available* pane next to the new CIU Plus name

7. Select the CIU Plus from the *Available* pane

8. Click on the ⬚

9. Click on **Apply**

10. Confirm. The CIU name will now be displayed in the Selected pane.

Example

This example shows the tree structure in the left pane of the selected station (NL46LT6GT1K3J), the selected COM port (COM4) and the CIU name (PLUS1).

How to view a CIU Plus link

To view CIU Plus links proceed as follows:

1. Click on a *Station name* in the left pane. A list with connected CIUs will be shown in the Available pane

How to delete a CIU Plus link

To delete a Station or CIU Plus link proceed as follows:

1. Double click on 🖳 Stations in the left pane

2. Click on the *Communication port* you want to delete

3. Click on the ***Delete*** button

> ℹ️ *Deleting a Communication port can take some time.*

How to delete a station

To delete a station proceed as follows:

1. Double click on ![icon] Stations in the left pane
2. Click on the station you want to delete. The Delete button will be enabled
3. Click on *Delete*

System TAB

This tab allows the user to edit the number of decimals after the decimal sign. The number of decimals depends on the default dimension.
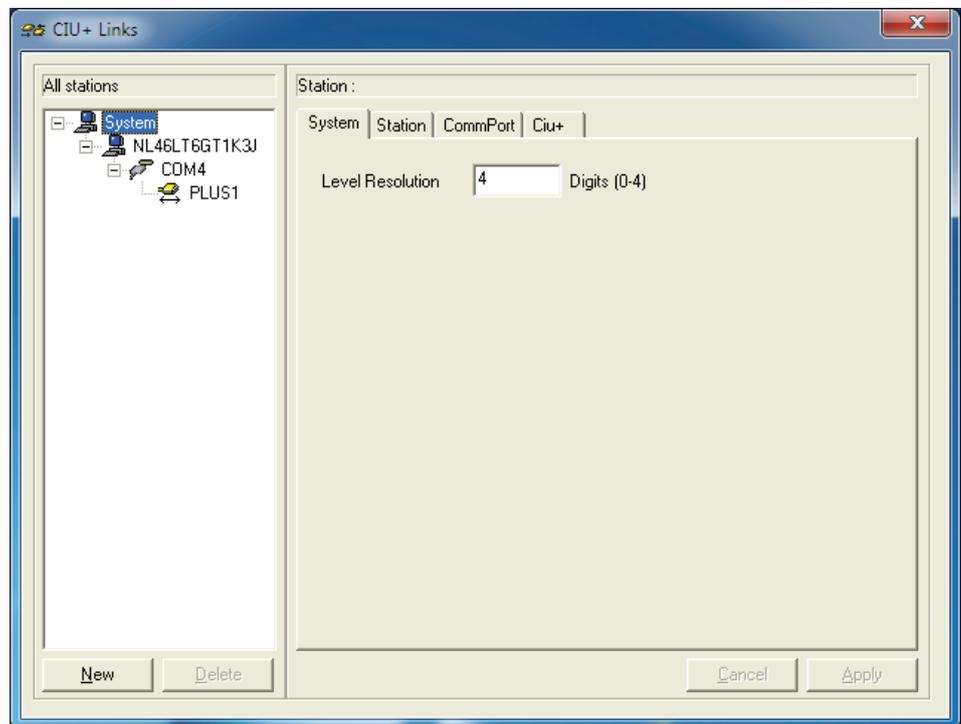
Level   Enter the number of level digits to be displayed after the decimal separator.

Example

If the level resolution is in mm, data is displayed as xxxx,xxx.x

If the level resolution is set to 0 data is shown as xxxx,xxx

Station TAB

This tab allows the user to the password expiring time.
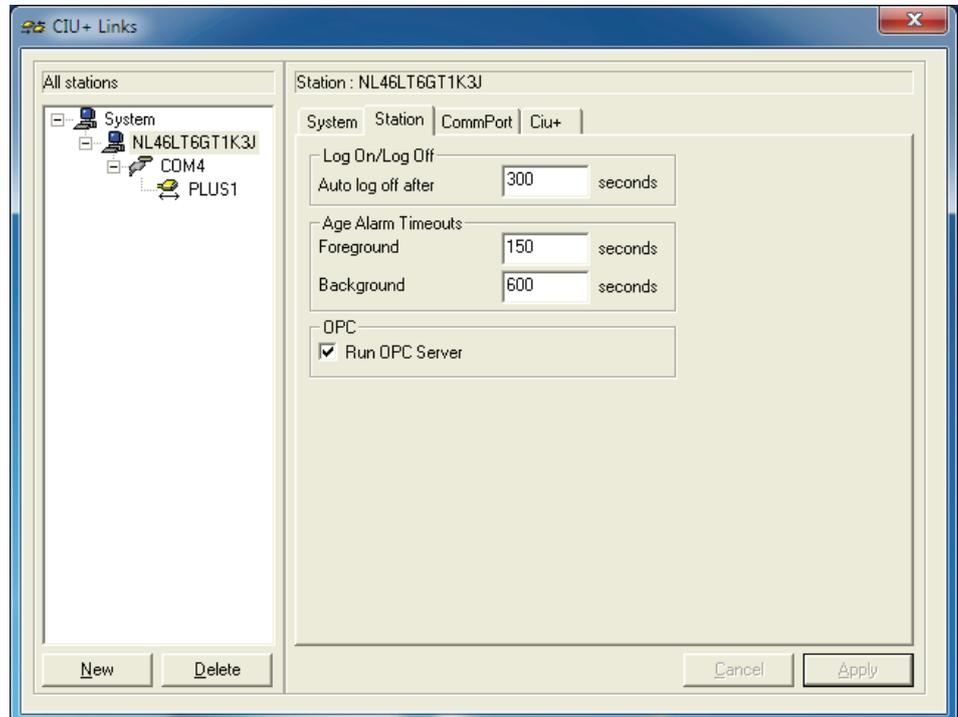
LogOn / LogOff	Enter the Auto log off time. Default 300s. Supported range between 0 and 1000s.
Age Alarms Timeouts	This pane shows:
	Foreground Enter the time in seconds (default 150).
	Backgroun d Enter the time in seconds (default 600).
OPC	Check if OPC option is used.

CIU+ TAB
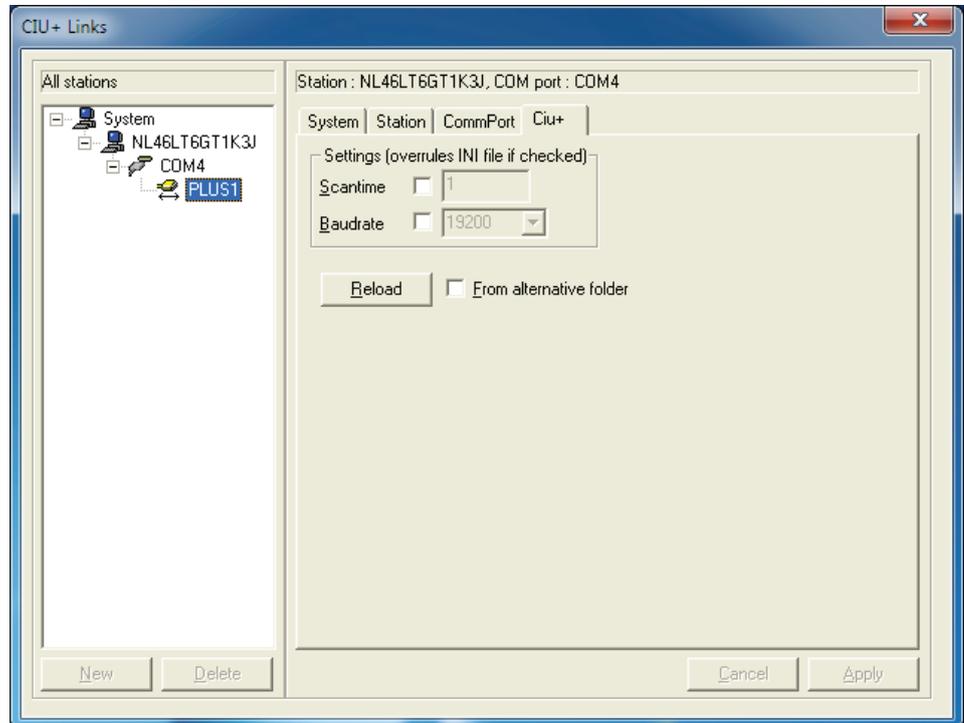
Settings

The following CIU+ settings can be edited:

Scantime   The default scan time is 1 second

Baudrate   The port settings of the CIU+ can be overruled. (Not yet released).

> *When the ini-file is reloaded the settings edited remain active. When removing the link the settings of the CIU+ ini-file will be used.*

Reload

This button is only active after selecting a CIU Plus from the tree structure. The user can now select the relevant Ensite Pro INI-file and transfer it to the Entis Pro directory. Both the CIU Plus names and the Ensite file name (including full path) need to be stored in the corresponding database.

Whenever an update is received the user is asked whether changes, which are potentially lost, should be saved. This notification message is only shown whenever there have been changes.

The "From other location" checkbox allows reloading INI files from another folder than initially used for this CIU Plus. This may be necessary when Ensite Pro is (re)installed on another location.

TANK ACCESS PROFILE

On each station a subset of the available tanks can be displayed. The tank access profile enables the user to select a subset of tanks to be displayed on a specified station.
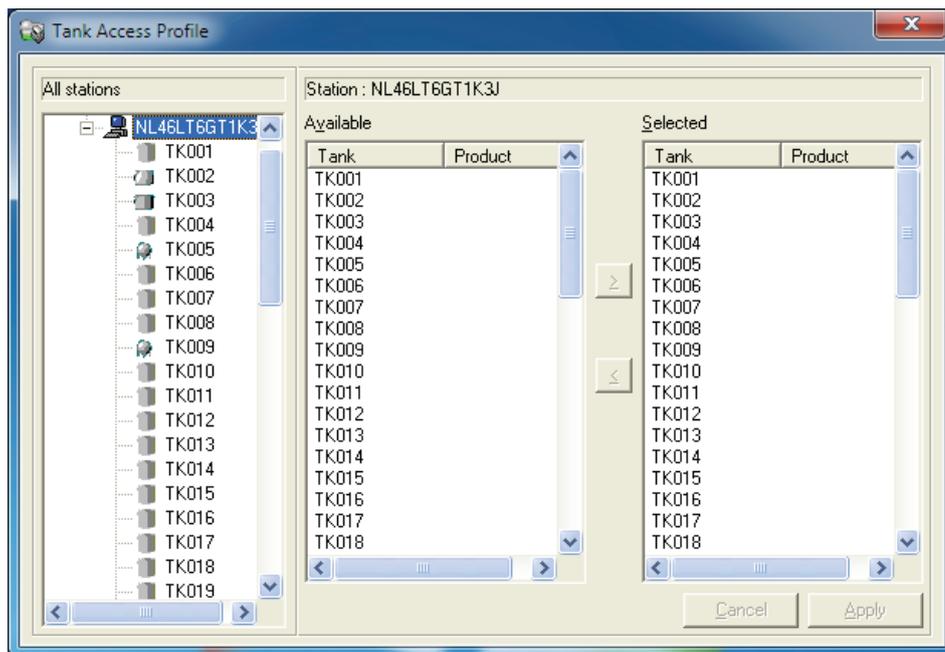
Window layout

The *Tank Access Profile* window displays the following sections:

All stations   At the left hand side a tree structure with all available stations and tank names connected to a station are shown.

Station   Displays the selected station.

Available   In the middle a list shows the available tanks on the entire Entis Pro system.

Selected   At the right hand side the list shows the name of the tanks assigned to the selected station. Both lists are horizontally scrollable.

How to add / remove tanks

1. Double click on ▣ Stations. A list off all available stations will be displayed in the left pane
2. Click on the *Station name* you want to edit. All tanks linked to that station will now be displayed in the All stations and in the Selected pane

Tanks can now be added to or removed from the selected tank list. Within the view the user can select tanks; upon request the names of the selected tanks are transferred.

Remove

Proceed as follows:

1. Click on a tank in the *Selected* pane
2. Click on ≤ to remove the selected tank from the list
3. *Apply*

Add

Proceed as follows:

1. Select a tank in the *Available* pane
2. Click on ≥ to add the selected tank to the selected station
3. *Apply*

ALARM TYPE PROFILE

On each station the user can specify whether certain types of alarms may be annunciated or not.

Window layout

This window displays the following main sections:

All stations   At the left site a tree structure with all available stations and the enabled alarm types.

Station   Displays the selected station.

Alarms   Check boxes to select alarm types.

How to create an alarm type profile

1. Click on 🖥 Stations in the left pane. A list off all available stations will be displayed in the left pane

2. Click on the *Station name* you want to edit. The selected Station will be displayed under the header Station

3. Tag the alarms you want to link to the selected station. Only tagged alarms will be annunciated

 | All | Click on this button if you want to select all alarms |
   |---|---|
   | None | Click on this button if you do not want to select one of the alarms |

Default all alarms are selected.

DEFINE VIEW

This window enables the user to customize the view in a spreadsheet format. It is possible to define a number of columns in preferred order. The first column (Tank name) is fixed. Views can be created (new), deleted or changed.

Window layout
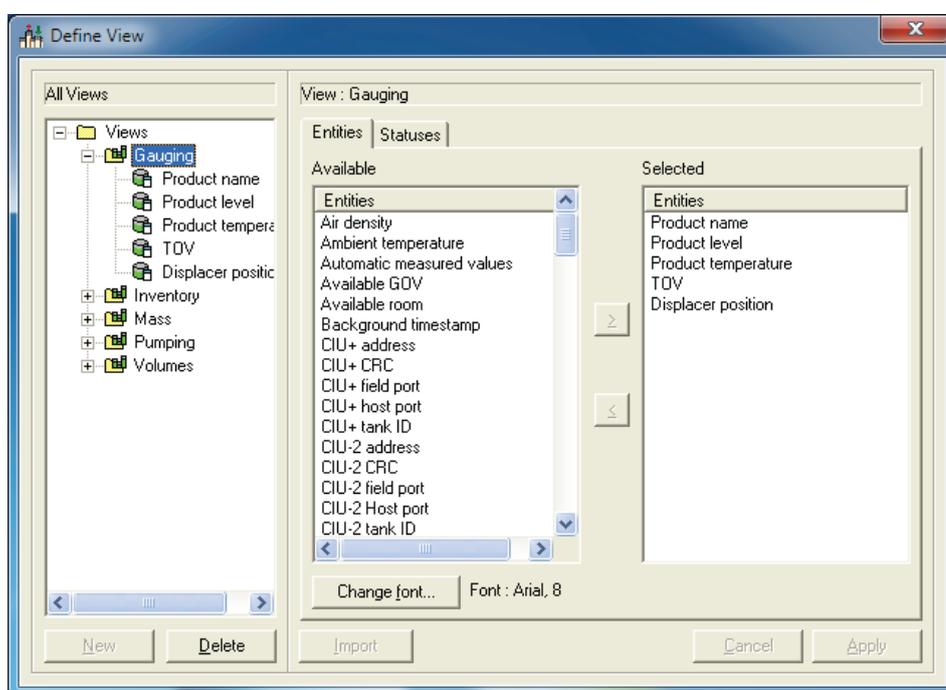
This window displays the following main sections:

|	
All Views	At the left hand side a tree structure with all available views and the entities is shown.
Tabs	A choice can be made between the *Entities* selection pane and the Statuses pane.
	Entities tab This tab provides the user with an overview of all available entities.
	Statusses tab This tab displays an overview of the available statuses belonging to the selected entities. These statuses can be checked in order to have the status be displayed together with the entity.
Available Entities	Displays a list with all available entities supported in the Entis Pro system. These are listed in alphabetic order.
Selected Entities	Displays a list with entities assigned to the selected view.

How to create a new view

1. Double click on   Views

2. Click on *New*. The Create new view window will be displayed
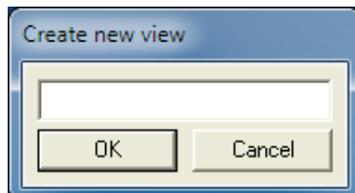
3. Enter the new name

4. Click on OK. The new entered name will be shown in the left pane

5. Click on the just entered name in the left pane

6. Select the *Entities tab*

7. Start selecting the entities from the *Available list.* The order of selecting the entities defines the display order of the columns

Entities can now be added or removed from the *Selected list*.

Add

Proceed as follows:

1. Click on an entity in the *Available list*

2. Click on   ≥   to transfer the selected entity to the *Selected list*

3. *Apply*

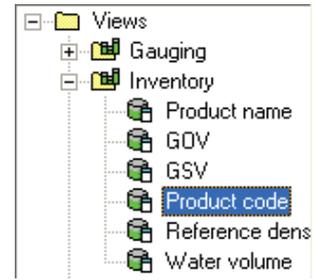**Remove**

Proceed as follows:

1. Click on an entity in the *Selected list*

2. Click on   ≤   the button to remove the Entity from the list

3. *Apply*

The order of selected entities can be changed as follows; position the pointer on the entity name you want to move, press the mouse button and drag the entity to the new position.
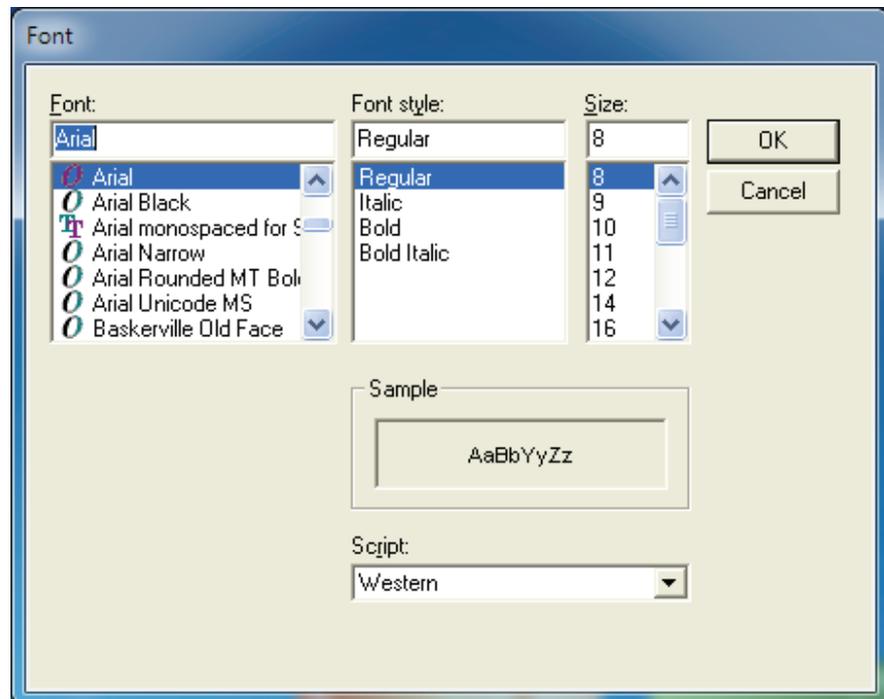
Example

This example shows a view named Inventory together with the selected entities.

 Clicking on this button enables the user to select another Font, Font style, Size and Script. The default settings are Font: Ariel, Font style: Bold, Size: 10 and Script: Western.

How to change a view

1. Double click on ⊟ 🗀 Views in the left pane

2. Click on the *View name* you want to change. All entities belonging to this will be displayed in *Selected Entities* pane

Entities can now be added to or removed from the *Selected Entities* list.

Remove

Proceed as follows:

1. Select the Entity you want to remove from the *Selected list*

2. Click on ⊴ the button to remove the Entity from the *Selected list*

3. *Apply*

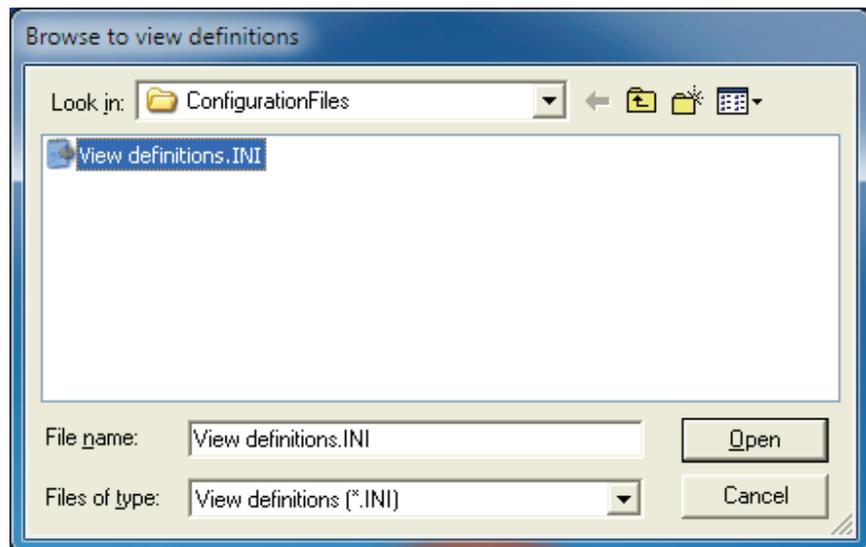> ℹ️ *This option is only available for not W&M approved systems.*

Add

Proceed as follows:

1. Select the Entity you want to add from the *Available list*

2. Click on ⊵ to add the selected Entity to the *Selected list*

3. *Apply*

How to import a view

1. Select [icon] Views

2. Click on **Import**. The 'Browse to view definitions' window will be displayed

3. Select the file 'View definitions.INI'

4. Click on **Open**. The views will be added

How to delete a view
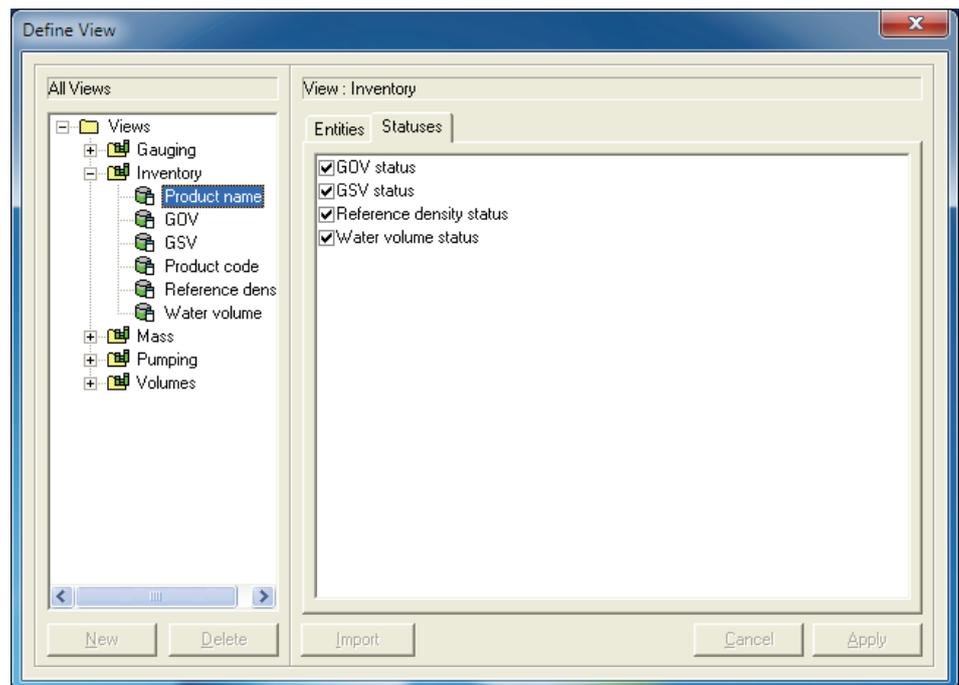
1. Double click on [icon] Views in the left pane

2. Select the *View name* you want to delete

3. Click on the Delete button

4. *Confirm*

Statuses tab

Some entities have a status. When selecting this tab a list of statuses belonging to the selected view is listed.

Check the statuses you want to be displayed.

> Whenever you have a W&M approved system, states are always displayed.

GROUP SETUP

To ease the access of individual tanks or subsets of tanks, park groups can be defined. These subsets are either static or dynamic groups. Static groups contain a fixed subset of the tank park, while dynamic groups are based on the actual values of entities.

Window layout

There are two different window layouts, one for the Static and one for the *Dynamic* groups.

Static window
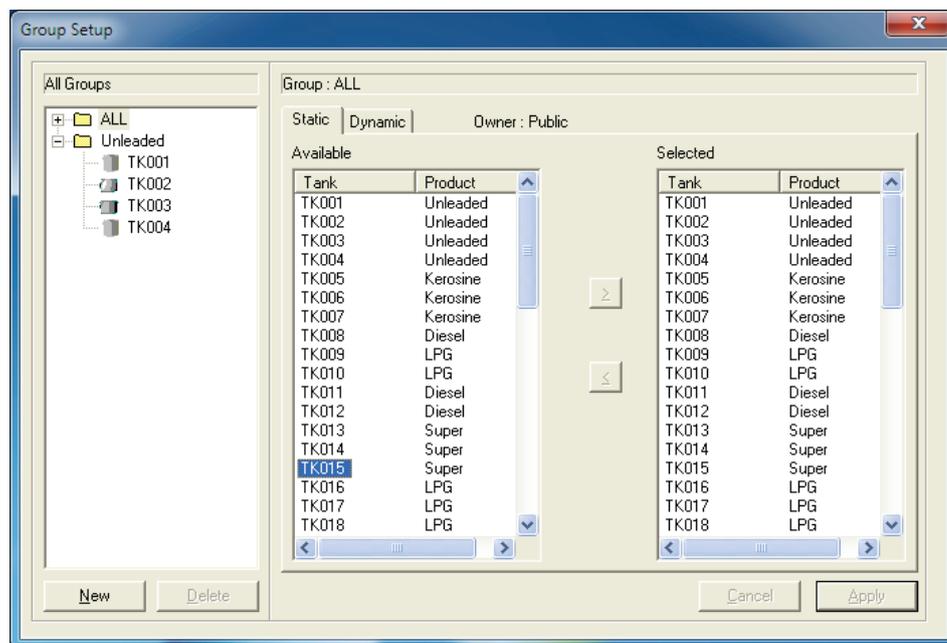
This window displays the following main sections:

|	
All Groups	At the left site a tree structure with all available groups and the tanks belonging to a group.
Tabs	A choice can be made between *'Static'* and *'Dynamic'* groups.
	Static tab This tab enables the user to create or view a fixed group of tanks with a fixed relationship. **Dynamic tab** This tab enables the user to create or view a group of tanks with membership related to a measured or calculated entity.
Available	Displays a list with all available tanks and there Product in the Entis Pro system. The available tanks are listed in alphabetic order.
Selected	Displays a list with the tanks of the selected group.
Owner	Displays the name of the user who created the selected group

Dynamic tab

This window is identical to the Static window with exception of the right hand side pane. This pane allows the user to define the criteria for the dynamic group.
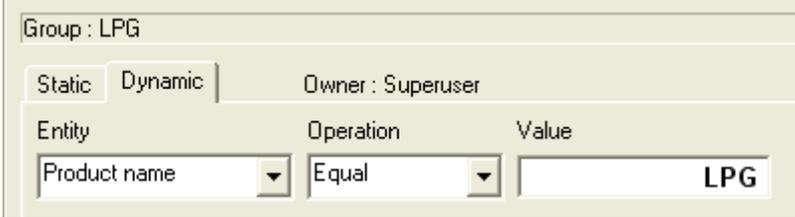
How to create a group

Proceed as follows:

1. Click on **New**. The Create new group window will be displayed

2. Enter the new name
3. Choose Static or *Dynamic*
4. Click on **OK**
5. The new entered group name will be shown in the left pane

How to create a static group

When selecting a *Static* group proceed as follows:

1. Click on the just entered *Group name* in the left pane.

2. Start selecting tanks from the *Available list*. The order of selecting the entities defines the display order. The Available tanks are listed in alphabetic order.

Add

Proceed as follows:

1. Select a tank in the *Available* list.

2. Click on [≥] to copy the tank to the *Selected* list

3. *Apply*
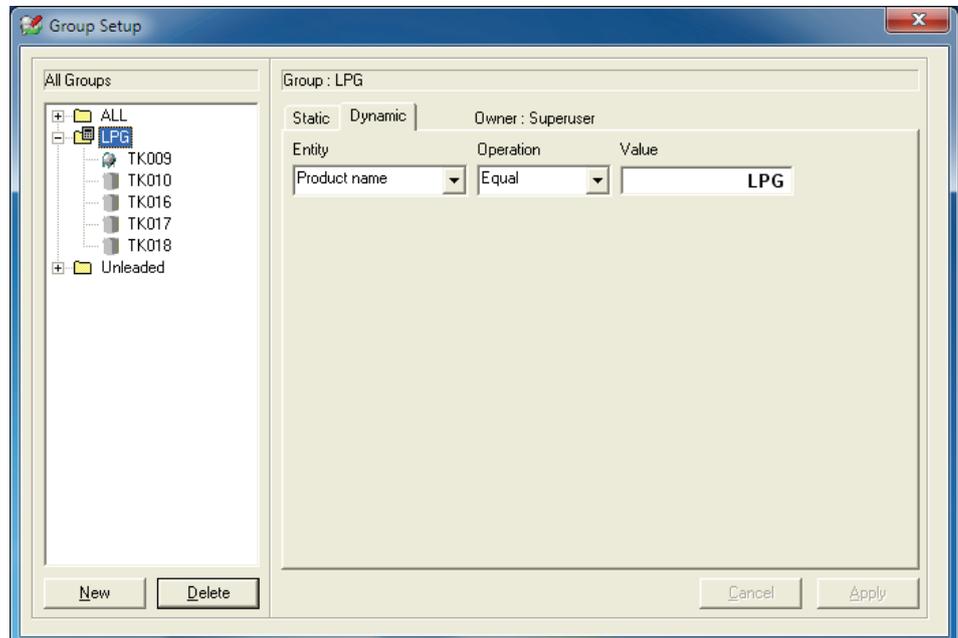
Remove

Proceed as follows:

1. Select a tank in the *Selected* list

2. Click on [≤] to remove the tank from the list

3. *Apply*

> *The order of selecting the tanks defines the display order in the group.*

How to create a dynamic group

When selecting a *Dynamic* group proceed as follows:

Entity

1. Select an entity from the drop down list box. The following entities are available:

General alarm	Moving status
Product name	Product level
Water level	Product temperature
Vapour room temp.	Vapour room pressure
TOV	Water volume
GOV	GSV
NSV	Liquid In vapour
TGSV	Mass in liquid
Mass of liquid in vap.	Total mass
Flow TOV	Available room
Available TOV	Ambient temperature

Operation

2. Select the required operation from the drop down list box.
   The operation you can select depends on the selected entity

> *If the range overlap an AND operation will be performed, otherwise an OR operation is to be used.*

Value

3. Enter a value in case of a measured value. In all other cases, select one of the available values belonging to the selected entity.

Select in the left hand side pane on the group you want to change. In case of a static group the list of Available and Selected tanks are displayed.

How to change a group

Select in the left hand side pane the group you want to change. Depending on the group either the Static or *Dynamic* tab will be selected.

Static group

Remove

Proceed as follows:

1. Select the tank you want to remove from the *Selected* list

2. Click on the ⩽ button to remove the Tank from the *Selected* list

3. *Apply*

Add

Proceed as follows:

1. Select the tank you want to add from the *Available* list

2. Click on ⩾ to add the selected Tank to the *Selected* list

3. *Apply*

Dynamic group

In case of a Dynamic group this tab will be automatically selected.

Change the Entity, Operation or Value.

How to delete a group

1. Select the group in the left pane

2. *Delete*

3. Confirm

HOST 45E CONFIGURATION

The 45E host communication protocol is optional in the Entis Pro system. One or more host computers can be connected to the system. All parameters required for the communication can be set in the Entis Pro host 45E Configuration window. In addition the group and tank names can be converted from the Entis Pro names to Microlect names.

Window layout
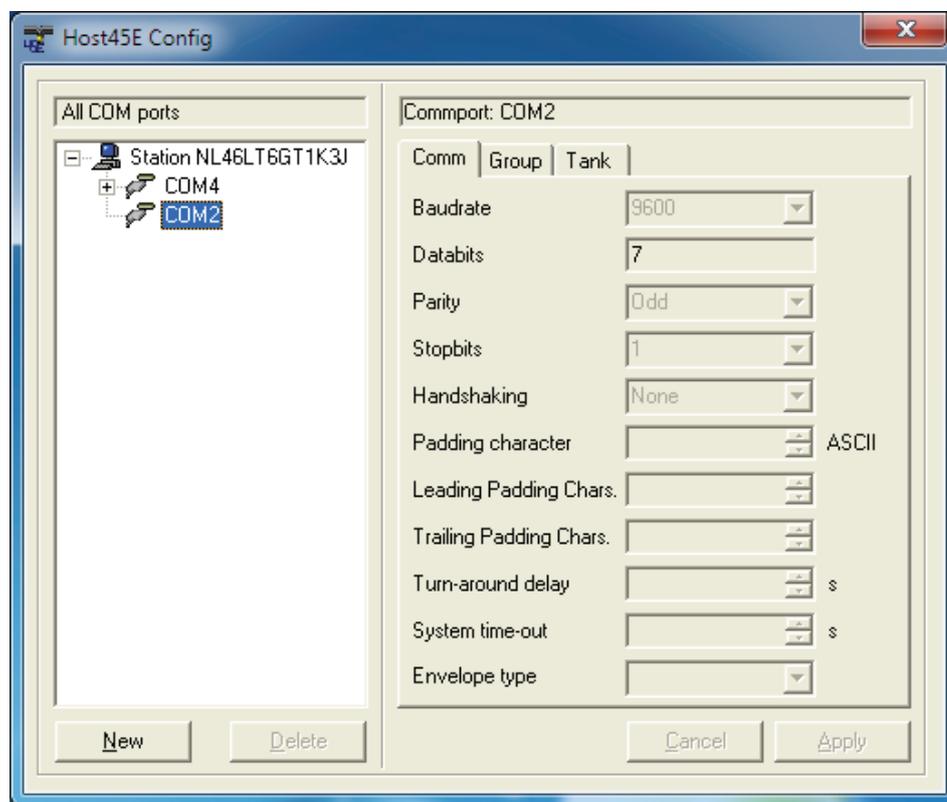
The window consists of the following main sections:

All COM ports   Under this header at the left site of the window a tree structure displays the available stations, communication ports and 45E host links.

Tabs   There are three tabs available for configuration.

          Comm   Used to set communication settings

          Group   Used to make a conversion between Microlect and Entis Pro group names.

          Tank   Used to make a conversion between Microlect and Entis Pro tank names.

How to configure a new COM port

Proceed as follows:

1. Use the **CIU Plus Links task** to create a new COM port

2. Click on the just entered COM port in the *All COM* ports pane

3. Click on the **New** button. The *New Host* window will be displayed
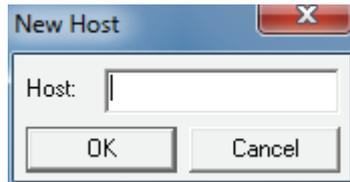
4. Enter the new host name.

5. Click on **OK**. The just entered Host name will appear in the *All COM* ports pane and the **Comm** tab settings will be enabled.
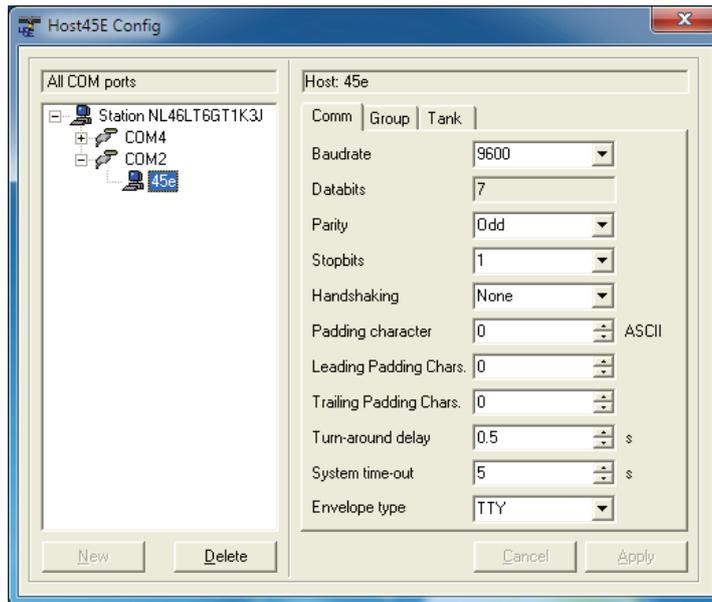
Example

This example shows the tree structure of the selected Station (NL46LT6GT1K3J), the COM port (COM2) and the host computer name (45e).

How to configure the COM port settings

Proceed as follows:

1. Double click on the *Station name*

2. Double click on the *COM* port you want to program

**3.** Click on the *Host name*. The Comm settings will be enabled

The following settings are available for a 45E host communication link:

Baudrate	Select: 300, 600, 1200, 2400, 4800, 9600, 19200 or 38400
Databits	7 bits ASCII fixed
Parity	odd, even, mark, space or none
Stopbits	1 or 2
Handshaking	Software, Hardware, None
Padding characters	ASCII characters 0 - 127 in hex
Leading Padding Chars	0-255
Trailing Padding Chars	0-255
Turn around delay	programmable in units of 0.5 seconds
System time out	programmable in units of 0.5 seconds
Envelope type	TTY or STX/ETX

4. *Apply*

How to convert group names

Microlect host communication made use of three characters for group names. This window enables the user to make a conversion between Microlect group names and Entis Pro group names.
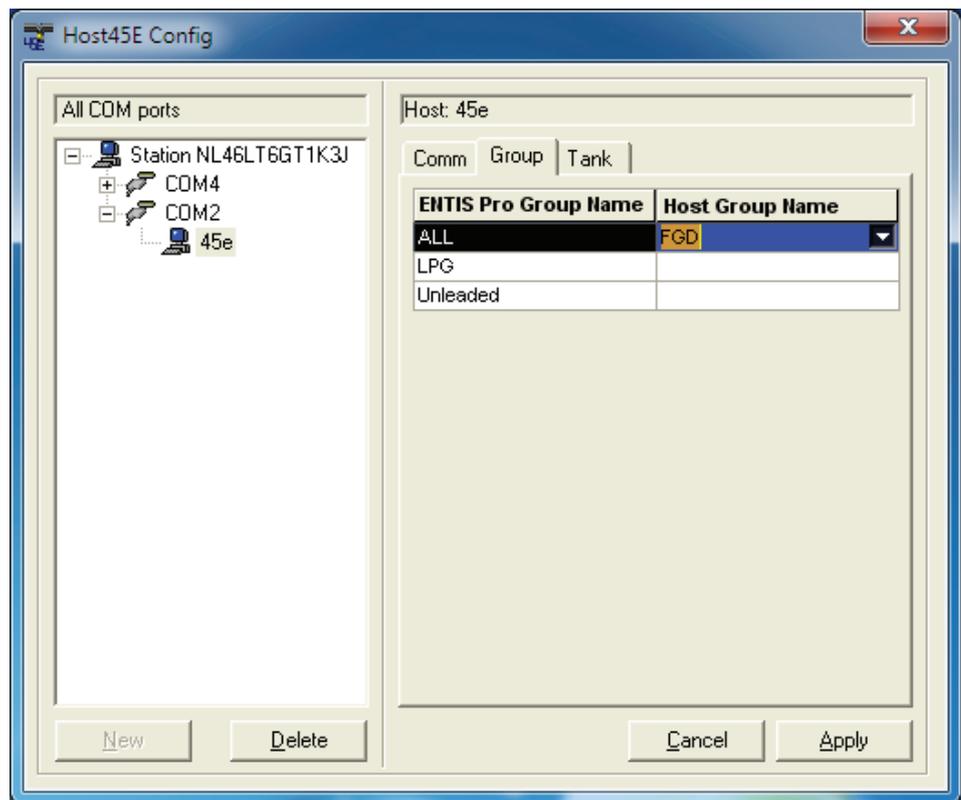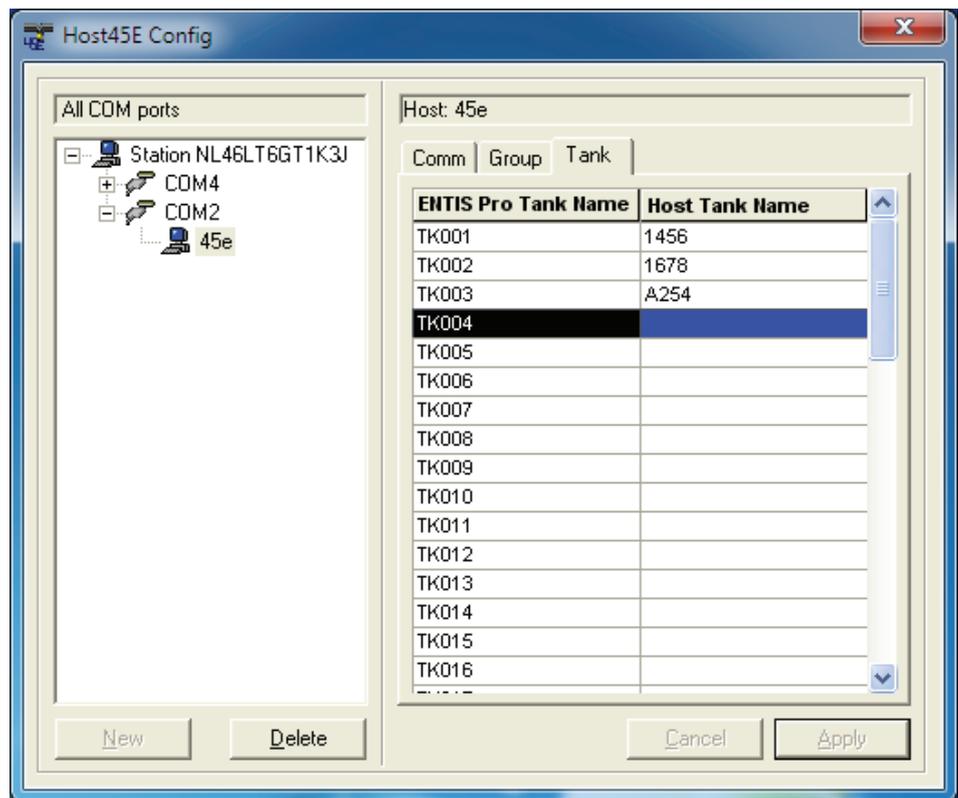

Proceed as follows:

1. Double click on the *Station name*

2. Double click on the *COMx* port

3. Click on the *Host name*

4. Select the *Group* tab of the Entis Pro Host 45E Config window

5. Select an *Entis Pro Group* Name from the right hand side pane

6. Click on the *Host Group Name*. A drop down combo box will be enabled showing all available Microlect groups

7. Select one of the Microlect groups

8. *Apply*

How to convert tank names

Microlect tank names consist of a maximum of five characters without spaces. This window enables the user to make a conversion between Microlect tank names and Entis Pro tank names.

Proceed as follows:

1. Double click on the *Station name*

2. Double click on the *COMx* port

3. Click on the *Host name*

4. Select the *Tank* tab of the Entis Pro Host 45E Config window

5. Select an *Entis Pro Tank* Name from the right pane

6. Click on the *Host Tank Name* field

7. Enter the Microlect tank name

8. *Apply*

How to edit host 45E configuration settings

Proceed as follows:

1. Double click on the *Station name*

2. Double click on the *COMx* port you want to edit the settings

3. Select the Host port name from the *All COMx ports* pane

4. Select the *Comm*, *Group or Tank* tab you want to edit settings

5. Change the settings

6. *Apply*

How to delete a host 45E link

Proceed as follows:

1. Double click on the *Station name*

2. Double click on the *COMx* port you want to edit the settings

3. Select the Host port name from the *All COM* ports pane

4. *Delete*

EVENT GENERATION

In Entis Pro it is optional for tasks to generate Events. Through the user-interface, the user specifies which applications do generate Events on the selected station.

Window layout
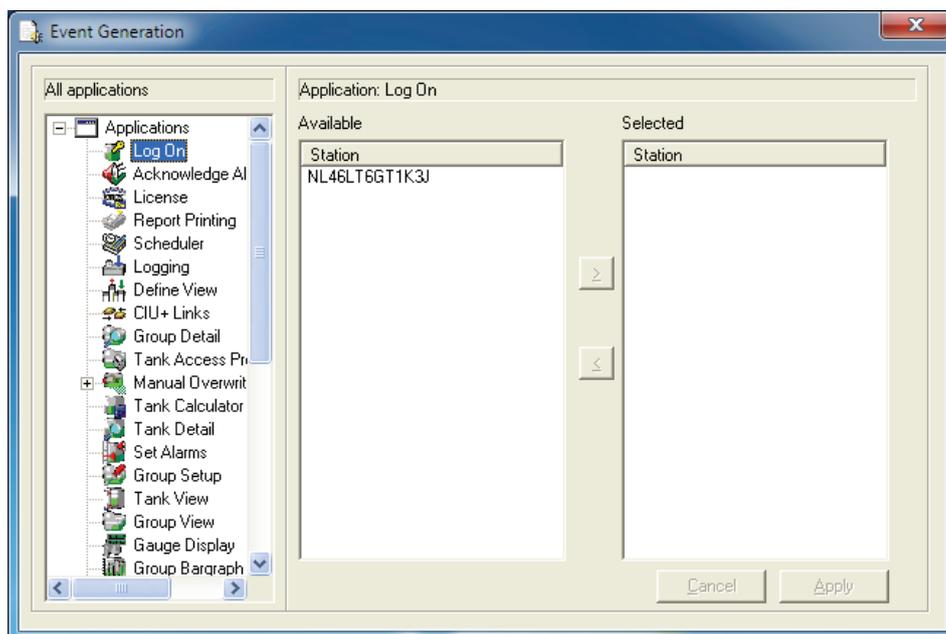
This window displays the following main sections:

All applications   At the left site a tree structure displays the hierarchical information concerning task and station names in a tree view control. From this tree view the user can select any application which should generate an event

Available   Displays a list with all available Stations in the Entis Pro system

Selected   Displays a list with available network stations

### How to enable events for a network station

1. Double click on ⊞ 🖳 Applications Applications in the left pane.
    A tree view will be displayed with all available applications

2. Select the application you want to enable for the station

3. Select the station from the *Available pane*

4. Click on ≥ to enable the event for the selected station

5. *Apply*. The Application tree view in the left pane will display the selected event and the station

6. *Confirm*

How to disable events for a network station

1. Double click on ⊞ 🖳 Applications Applications in the left pane.
    A tree view will be displayed with all available applications

2. Select the application you want to disable for the station

3. Select the station displayed in *Available pane*

4. Click on ≤ to disable the event for the selected station

5. *Apply*

6. Confirm

Example

This example shows that the Entis Pro Manual Overwrite is selected and will create events on one station (NL46LT6GT1K3J).
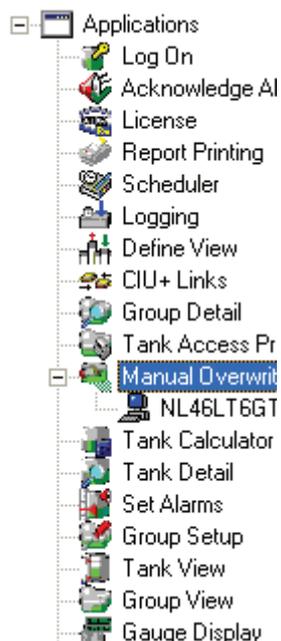
USER ACCESS PROFILE

In Entis Pro, the access to the system is controlled by passwords to identify users. Users must enter a password when logging on in Entis Pro. This chapter describes different types of users supported by the system, password handling and assigning privileges to users and network stations.

For W&M authorities special passwords are supported.

The 'User Access Profile' window pops up with the Password tab as default.

Window layout

The *User Access Profile* window consists of the following three tabs:

Password	Entry of user name and password
Network	Entry of stations at which the user can log-on
Privilege	Selection of privileges on a per station basis

Password
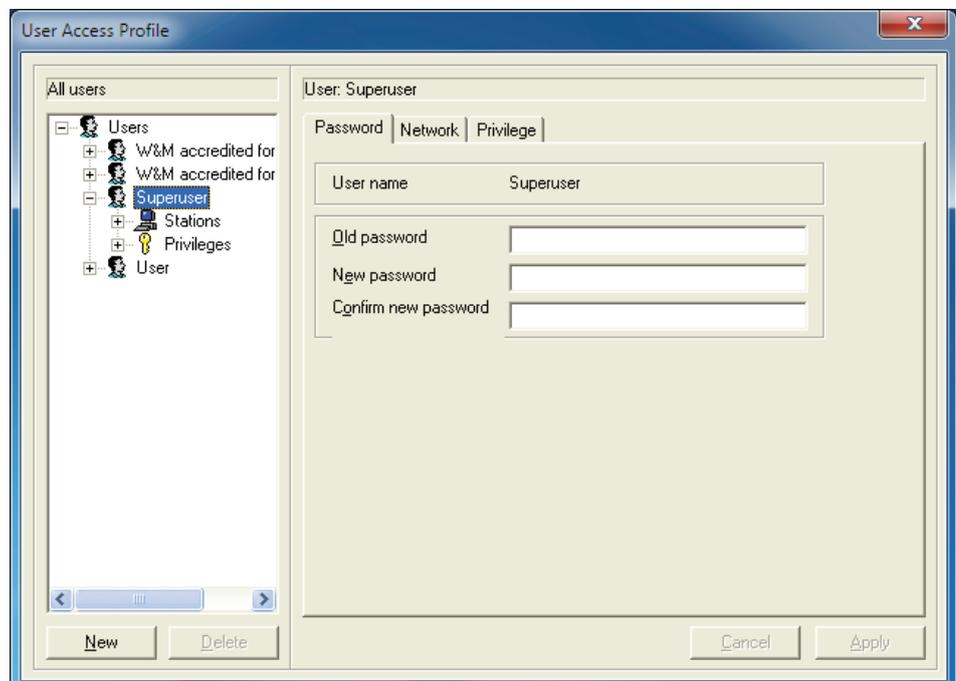
The Password tab consists of the following sections:

Left pane   A list of *All user*, station names and privileges are displayed in a tree view at the left site of the window. In this tree view the user can select any user / station combination. Entis Pro, by default, supports the following users:

        W&M accredited for verification
        W&M accredited for repair
        Superuser
        User

Right pane   The right pane (Password tab) can be used to enter New, Change or Delete passwords. Additional tabs are available for *Network*, and Privileges.

How to create a new user

To enter a new user and associated password, proceed as follows:

1. Click on ⊟ 👤 Users   Users in the left pane (ALL Users)
2. Click on *New*

3. Enter the user name
4. Enter a New password for the new user
5. Enter the same password again in "Confirm new password"
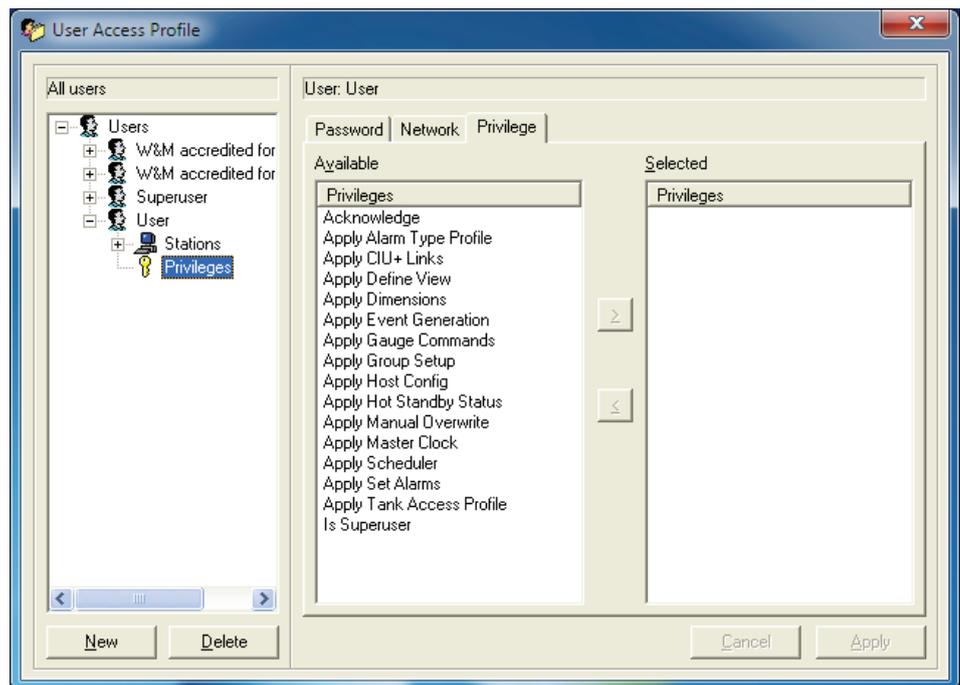6. *OK*

How to delete a user

Proceed as follows:

1. (Double) Click on ⊟ 👤 Users   to open the users tree
2. Select the User you want to delete
3. *Delete*
4. Confirm

Privilege tab

This tab enables the user to get an overview of all available privileges in the system. Within this view the system supervisor can assign privileges to him and to other users.

Window layout

This window contains the following information:

All Users   The *All users* pane displays in a tree view all available users of the system

Available   Shows the privileges available on the entire Entis Pro system. Within this pane the user can select privileges. Privileges are shown in alphabetical order

Selected   Shows the privileges assigned to the selected user / station combination

How to assign privileges to a user

Proceed as follows:

1. Double click on ⊟ 👤 U̲sers   Users in the left pane. All users will be displayed

2. Double click on the user you want assign privileges. A tree view will be displayed in the left pane

3. Select the Privilege tab from the *User Access profile* window or click on *Privilege* in the tree view

4. Select the privilege from the *Available pane* you want to assign to the user

5. Click on [≥] to assign the privilege. The privilege will be shown in the Selected pane

6. *Apply*

Example

This example displays the tree view with all users. The User has been selected. The tree view displays the Privileges (highlighted) assigned to the User.
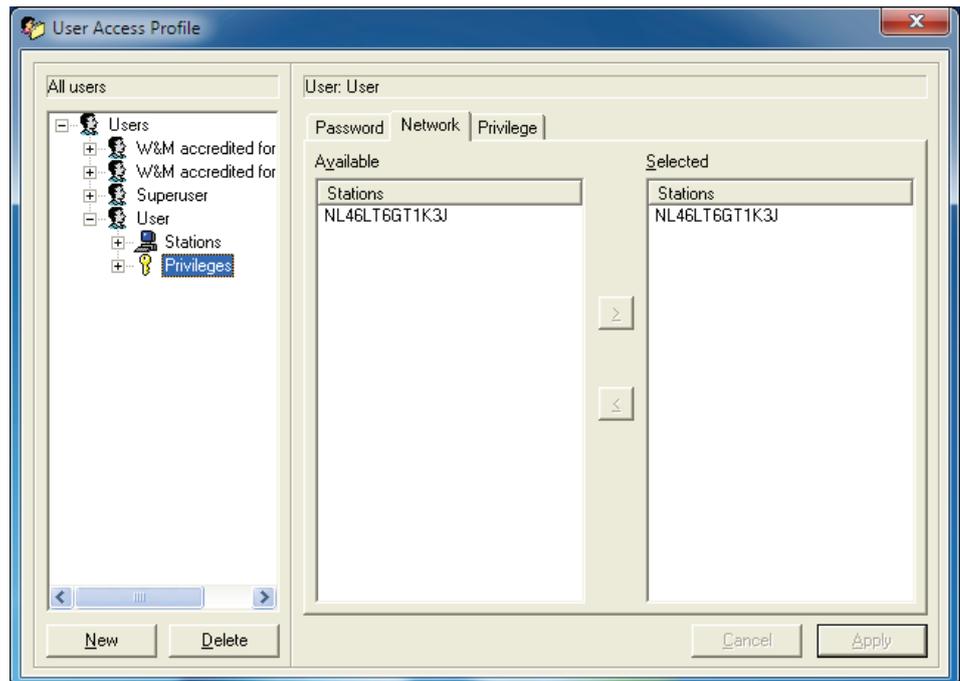

How to delete privileges from a user

Proceed as follows:

1. Double click on ⊟ 👤 U̲sers   Users in the left pane. All users will be displayed

2. Double click on the user you want assign privileges. A tree view will be displayed in the left pane

3. Select the Privilege tab from the *User Access profile* window or click on Privilege in the tree view

4. Select the priveledge from the *Selected pane* you want to delete

5. Click on [≤] to delete the privilege. The privilege will be removed from the *Selected pane*

6. *Apply*

Network tab

This tab enables the user to get an overview of all available network station and the assigned user privileges. Within this view the system supervisor can assign users with privileges to other network stations.

Window layout

This window contains the following information:

All Users   The 'All users' pane displays in a tree view all available users of the system

Available   Displays a list with all Available Stations in the Entis Pro system

Selected   Displays a list with selected network stations assigned to a user

How to assign a user to network station

Proceed as follows:

1. Double click on [Users icon] Users in the left pane. All users will be displayed

2. Double click on the user you want assign to a network station. A tree view will be displayed in the left pane

3. Select the *Network tab*

4. Select the station in the *Available pane* you want to assign to the user.

5. Click on ⊡ to assign the user to the station

The privilege will be shown in the tree view of the left pane

6. *Apply*

7. Confirm

How to delete a user from network station

Proceed as follows:

1. Double click on ⊟ ⊡ U̲sers   Users in the left pane. All users will be displayed

2. Double click on the user you want to delete from a network station. A tree view will be displayed in the left pane

3. Select the *Network tab*

4. Select the station from the *Selected pane* you want to delete the user from

5. Click on ⊡ to delete the user from the station

6. *Apply*

7. Confirm

How to change a password

Proceed as follows:

1. Double click on ⊟ ⊡ U̲sers   Users in the left pane. All users will be displayed

2. Double click on the user you want to change the password for. A tree view will be displayed in the left pane

3. Select the Password tab from the *User Access Profile* window

4. Select the user

5. Enter your *O̲ld password*

6. Enter your *Ne̲w password*

O̲ld password	
Ne̲w password	
Co̲nfirm new password	

7. *C̲onfirm new password*

How to delete a user

Only the Superuser can delete a user.

Proceed as follows:

1. Double click on ⊟ 👤 U<u>s</u>ers Users in the left pane. All users will be displayed

2. Double click on the user you want to delete. A tree view will be displayed in the left pane

3. Select the user

4. *Delete*

5. Confirm

Lost passwords

Whenever a user can't remember his password the following actions, depending on the user-type, are required:

W&M accredited for verification	Contact Honeywell Enraf to receive a repair password.
W&M accredited for repair	Contact Honeywell Enraf to receive a repair password.
Superuser	Contact Honeywell Enraf to receive a repair password.
User	Contact the Superuser to enter new password.

Repair-password

The Enraf supplied repair-password can only be used one day during log in. The change password dialog will be displayed immediately after the log on.

ABOUT TASKS

The Entis Pro program consists of a number of separate tasks. For each task it can be decided whether or not it is to be submitted to W&M approval.

In the About Tasks window the user and the W&M official can verify:

- which tasks are installed
- which of the tasks are set to be W&M approved
- the checksum of said tasks
- the version, date and time of the source code

Window layout

This window consists of the following columns:

Icon   This column is used to identify whether a task is W&M approved

> *A not legal approved Entis Pro task which is installed on a legal approved system will automatically get a non approved status. This task will as a result display the not approved icon and text string.*

W&M   For each task a check box is shown which is activated whenever the task is W&M approved. The status of the check box can only be changed by the user, whenever one of the two seals has been broken

Task name   Provides an overview of the available tasks

Version   Displays the legal relevant software version number

File size   Displays the file size of the installed task

Date & Time   Displays the date and time of creation of the task

CRC   Displays the CRC of the installed task

Task bar

In the configuration of the W&M Information task the W&M officer can enter (and seal !) both the *W&M approved* and *not W&M approved* text strings and icons which are shown in <u>all</u> Entis Pro tasks in the lower left pane of the task bar.
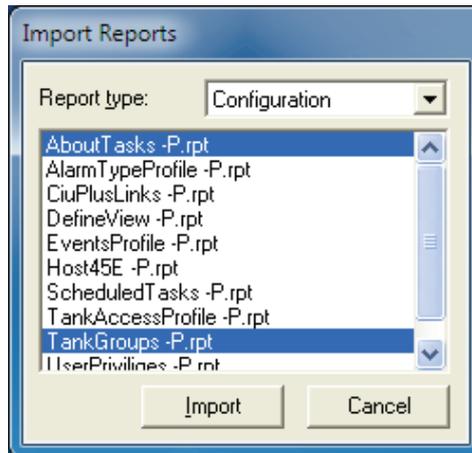
Buttons

Remove verification seal This button is only activated after W&M seal is removed (logged on) by the W&M accredited for verification.

Remove repair seal This button is only activated after W&M accredited for repair has logged on.

W&M Seal… When clicking on this button the 'W&M information' window will appear. The W&M official can check whether the seal user-interface for broken or non-broken seal.

Report This button is used to add external Reports. When clicking on this button the *Import Reports* window will pop up. Select the Report type you want to import.

Save overview as… This button is used to save the changes carried out in the *About Tasks* window.

W&M information window

This window will be displayed after clicking on the W&M seal button and consists of the following main parts:
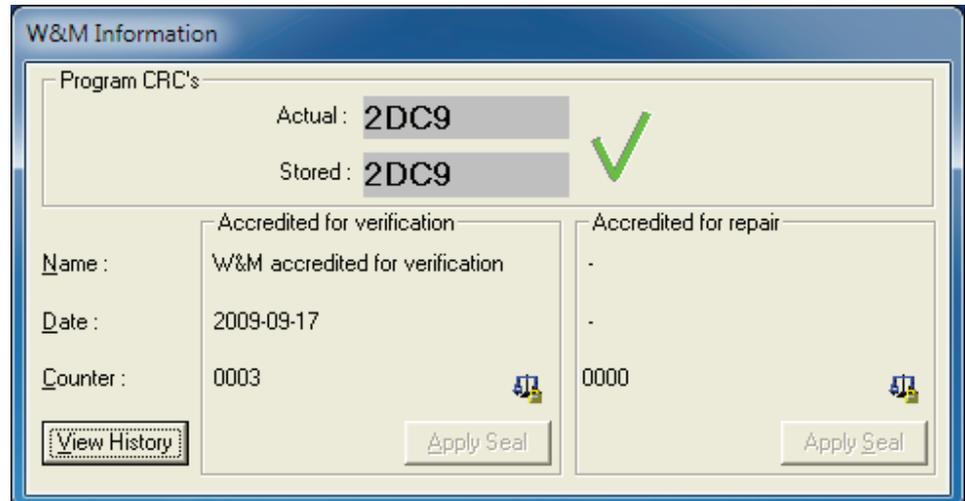
Program CRC's

Actual   The *Actual CRC* field shows the current summed CRC value of all installed legal relevant Entis Pro tasks, tasks configured and templates.

Stored   The 'Stored' CRC field shows the previous stored value of the summed CRC of all installed legal relevant Entis Pro tasks, task configuration and templates.

Symbol   One of the following symbols can be displayed next to the CRC information:

!   An exclamation mark is shown when there is a mismatch between the actual and stored CRC.

√   This sign is shown when the stored and the actual CRC are identical.

W&M official / accredited

These fields display:

Name   The *Name* of the legal authority who last sealed the system. The displayed name is entered via the user access profile task.

Date   Date when the W&M accredited sealed the system.

Counter   Counters indicating the number of times the seals were (re-)applied.

Buttons

View History   This button enables the user to view the history of who applied the seal. The 'Seal information' dialog box is shown. This list displays the Name, Date & Time and the operation performed (BROKEN or SEALED).
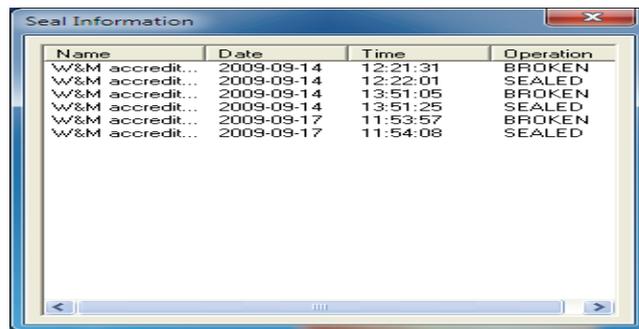
Apply Seal   When one of the Apply seal command buttons is pressed the actual CRC will be stored, separate CRC's of all legal relevant installed tasks, tasks configurations and templates are encoded and stored. These buttons enables the W&M accredit or official to seal the system. This can only be done with the correct W&M password.

This file is protected against unauthorized.

How to add W&M tasks

Proceed as follows:

1. Log-in as W&M accredited
2. Select the *About Task* window
3. Click on the *Remove the verification seal* button
4. A message window will pop up. Confirm
5. Select the Task name you want to add to W&M approved tasks
6. Click on the W&M check box of the task (√ approved)
7. Click on the *W&M Seal* button. The *W&M information* window will appear
8. Click on the *Apply Seal* button
9. Close window

How to remove W&M tasks

Proceed as follows:

1. Log-in as W&M accredited
2. Select the *About Task* window
3. Click on the *Remove* the *verification seal* button
4. Select the Task name you want to remove from W&M approved tasks
5. Click on the W&M check box of the task. Untagged means removed
6. Click on the *W&M Seal* button. The *W&M information* window will appear
7. Click on the *Apply Seal* button

HOT STANDBY

This window shows the hot standby information for each CIU Plus The required information is available from Ensite Pro files. CIU Plus's which form a hot standby pair are displayed as a pair.

Window layout

This window shows the hot standby info for each CIU Plus.

The displayed information is available from Ensite Pro files. CIU Plusses which form a hot standby pair are displayed as a pair (same color gray or white).
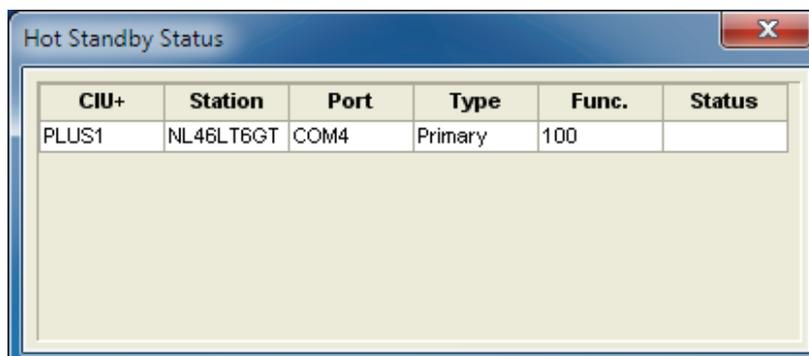
CIU Plus	Displays the CIU Plus name
Station	Displays the Entis Pro station name.
Port	Displays the COM port connected to the CIU Plus.
Type	This can be either *Primary* or *Secondary*. These two CIU's form a hot standby pair.
Functionality	This column shows in percentage the availability of the CIU Plus. In case a CIU Plus is less than 100% functional the text is strike through.
Status	A column showing the active / passive status. If passive, the cell has a button style. Using this button the user can activate the passive CIU Plus Before the activation is performed an 'Are you sure' message box will be shown.

MASTER CLOCK

The user can specify who is synchronizing the master clock. This can be the system, the CIU Plus which acts as clock master or whether their is no clock synchronization is required. In case the station or a CIU Plus is selected, also the station or CIU name must be selected.

Clock selection

Tag one of the three radio buttons to enable selection.

*No master clock synchronization* Tag to enable this option

Station name	Tag to enable. In case of networking select a station
CIU Plus name	Tag to enable. Select one of the available CIU's

Setting the default selected station list

When creating a new PAL alarm, the Network tab will show (like the standard SetAlarms) all network stations selected. If the user has write permissions to the Windows Registry (Run as administrator), an additional "Save as Default" button will be shown below the "Selected" list. These permissions depend on the Windows user running Entis Pro, not the Entis Pro user that is logged into Entis Pro.
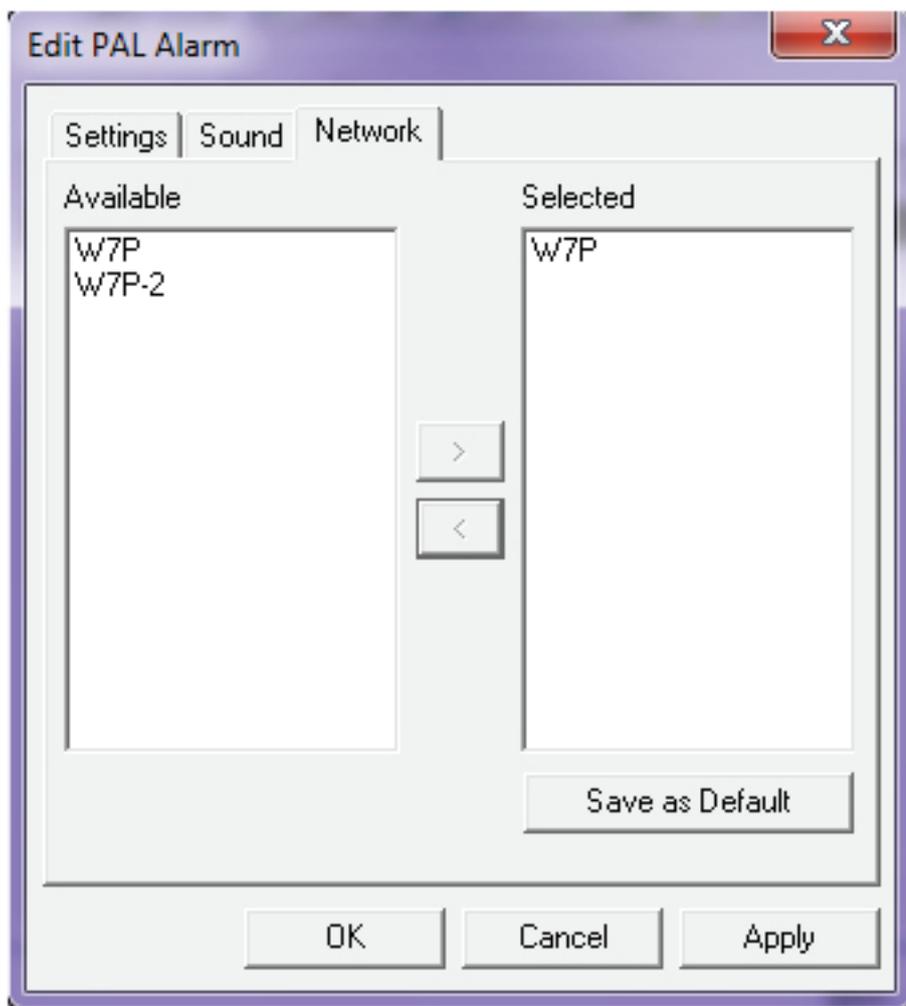
The user can select the stations he likes to use as default and then press the "Save as Default" button.

After pressing the button, the selected list is stored as default and the "Save as Default" button is greyed out to indicate that the list shown is now the default and saving again is not necessary.

All new PAL Alarms created on the local station will now have the selected stations **as default**. An operator can always change the selected stations list for each PAL but he cannot change the default as long as he does not have write permissions on the Windows Registry.

Setting the default Access Rights

By factory default, newly added PAL Alarms will have Public access rights. When a default of 'Private' is preferred, this can be changed in the registry.
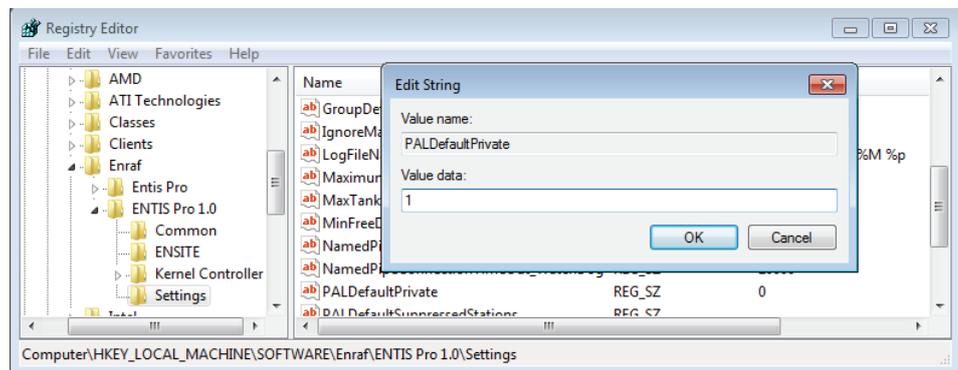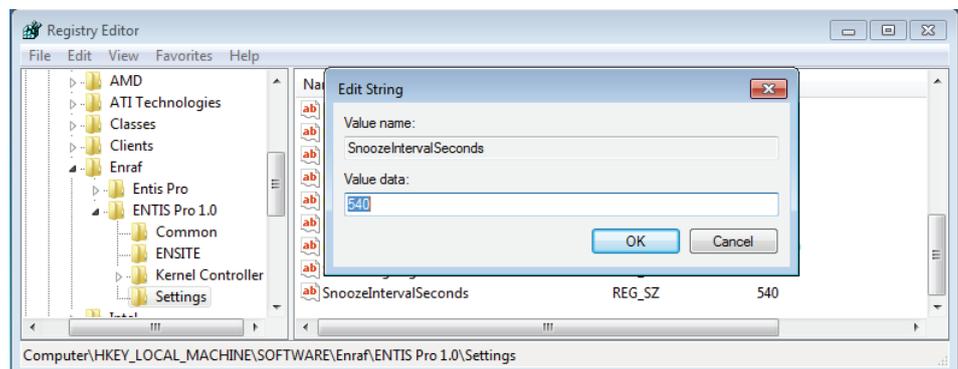

Logon to windows on an account that has write access to the registry and change the value of \HKEY_LOCAL_MACHINE\Software\Enraf\ENTIS Pro 1.0\Settings\PALDefaultPrivate to 1 (regedit.exe Run as administrator)

Acknowledge Alarms

Setting the Snooze Interval for the Acknowledge Alarms Dialog

To allow the operator to temporarily minimize the AcknowledgeAlarms dialog after it appears to notify one or more alarms, a snooze time can be configured.

Logon to windows on an account that has write access to the registry and change the value of \HKEY_LOCAL_MACHINE\Software\Enraf\ENTIS Pro 1.0\Settings\SnoozeIntervalSeconds to a valid positive integer number. (regedit.exe Run as administrator). Factory default for this value is 0 which

will cause the minimize button on the AcknowledgeAlarms dialog to be disabled. When the value is set to e.g. 540, the minimize button on the dialog will allow to hide the dialog from the screen for 9 minutes to be able to use the full screen in case that would be required to resolve the alarm. See the Entis Pro user manual for a detailed description of this feature.

Group Detail

Setting an alternative color scheme for Hi and Lo PAL Alarms.

Certain users like to distinguish critical alarms like HiHi, Leak and Age alarms from Hi and Lo PAL Alarms that operators set to do operational tasks. For that purpose, the registry value GroupDetailAlarmColors can be set which will cause Hi and Lo PAL alarms to get a yellow alarm color while all other alarm keep the standard Red color.
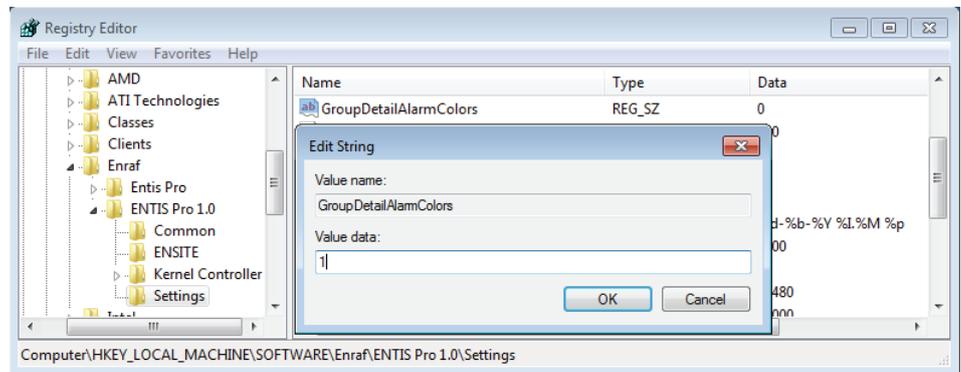
Logon to windows on an account that has write access to the registry and change the value of \HKEY_LOCAL_MACHINE\Software\Enraf\ENTIS Pro 1.0\Settings\PALDefaultPrivate to 1 (regedit.exe Run as administrator)

APPENDIX

User definitions

W&M accredited

The W&M access is a special level of authorization. The program supports two levels of W&M privileges.

These are:

W&M accredited for verification

This user has the right to change his own password and to create another *W&M accredited for verification* or repair.

Privileges: *W&M accredited for verification*. Other privileges can be assigned by Superuser.

W&M accredited for repair

This user has the right to change his own password and to create another *W&M accredited for repair*.

Privileges: *W&M accredited for repair*. Other privileges can be assigned by Superuser.

Superuser

The Superuser has the privilege to create users as well as other superusers and to change User passwords (without knowing the old password). The Superuser is **not** privileged to change other Superusers or W&M - passwords, except for his own password.

The system always has at least one Superuser.

Privileges: All, with exception of W&M accredited for verification and W&M accredited for repair.

User

The user has the right to change his own password.

Privileges: To be assigned by Superuser.

> *Passwords don't expire and have no history*

> *None of the password operations generates an event.*

Default users and passwords

The Entis Pro system is delivered with the following default passwords:

W&M accredited for verification	One default user of which the password = *W&M* Default privilege = *W&M accredited for verification*
W&M accredited for repair	One default user of which the password = *service* Default privilege = *W&M accredited for repair*
Superuser	One default user of which the password is = ENRAF Default privilege = all, with exception of *W&M accredited for verification* and *W&M accredited for repair*
User	Default password = ENTIS Default privilege = none

Related documents

Configuration manual Entis Pro

Installation Guide Entis Pro

45E Host communication manual

Instruction manual series 880 CIU Prime

Instruction manual series 880 CIU Plus

Instruction manual CIU Prime type 880 (CIU emulation)

Instruction manual Modbus™ Protocol

Instruction manual Ensite Pro configuration tool

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Honeywell Enraf

For More Information
To learn more about Honeywell Enraf's solutions, contact your Honeywell Enraf account manager or visit www.honeywellenraf.com.

Americas
Honeywell Enraf Americas, Inc.
2000 Northfield Ct.
Roswell, GA 30076
USA
Phone: +1 770 475 1900
Email: enraf-us@honeywell.com

Asia Pacific
Honeywell Pte Ltd.
17 Changi Business Park Central 1
Singapore 486073
Phone: +65 6355 2828
Email: enraf-sg@honeywell.com

Europe, Middle East and Africa
Honeywell Enraf
Delftechpark 39
2628 XJ Delft
The Netherlands
Phone: +31 (0)15 2701 100
Email: enraf-nl@honeywell.com

Honeywell Enraf