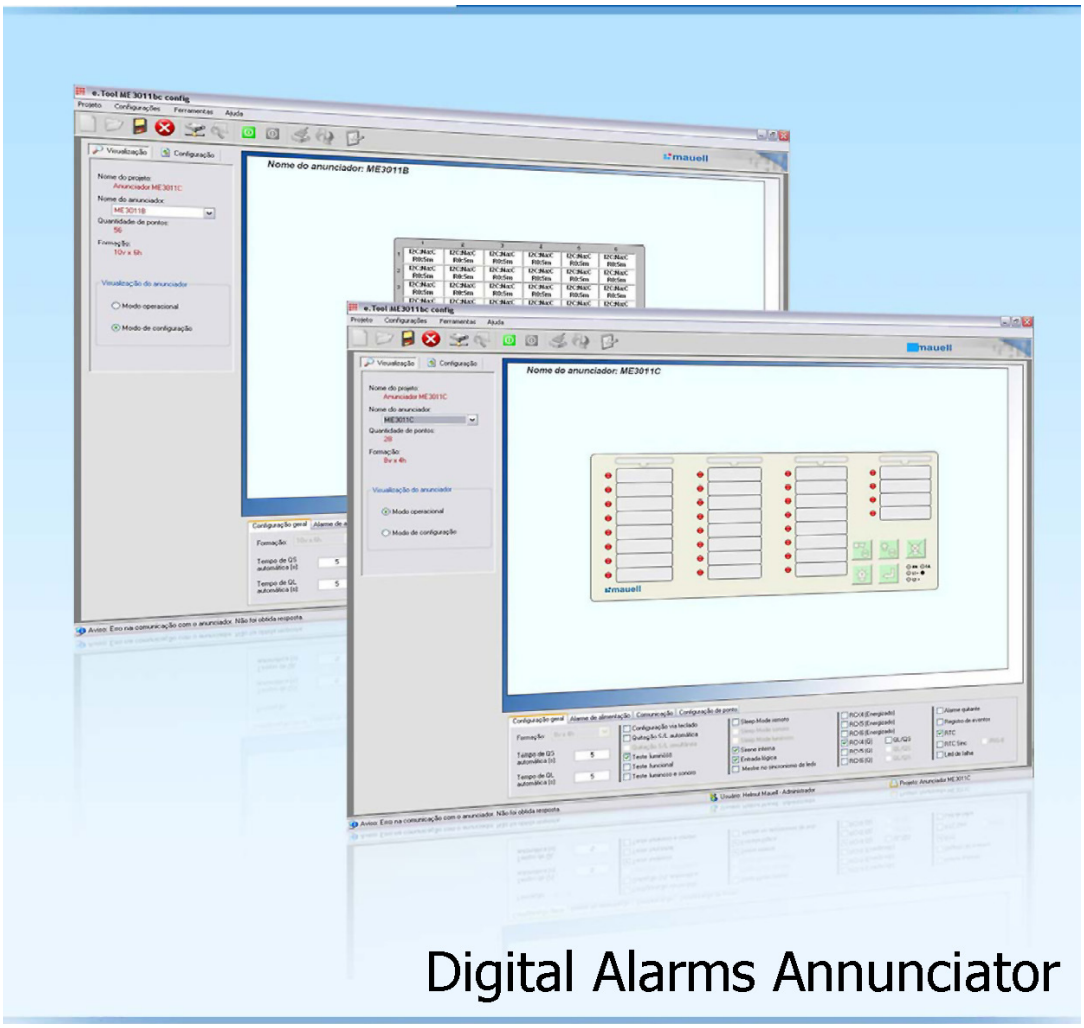
e.Tool ME3011 config
User Manual



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Version	Date	Editor	Status	Comments
4.07.3	09.03.2015	for	Enhancements	Enhancements to the version 4.06.3.
4.07.3	09.03.2015	tln	Release	
4.07.2	19.01.2015	for	Enhancements	Enhancements to the version 4.06.2.
4.07.2	19.01.2015	tln	Release	
4.06.2	24.05.2013	for	Enhancements	Enhancements to the version 4.05.1.
4.06.2	24.05.2013	tln	Release	
4.05.1	29.02.2012	for	Enhancements	Information for Modbus configuration added.
4.05.1	29.02.2012	tln	Release	
4.04.1	12.09.2011	for	Enhancements	Updates and PDF output for signal tag texts.
4.04.1	12.09.2011	tln	Release	
4.03.1	19.11.2009	for	Creation	First version
4.03.1	19.11.2009	tln	Release	

Contents

09.03.15

e.Tool ME3011 config User Manual

Welcome to the User Manual e.Tool ME 3011config

Dear Customer, the ***Bilfinger Mauell GmbH*** thanks you for trusting us on choosing our product.
It is a pleasure to provide you the necessary information about this member of the ME 3011 family.

Mauell's configuration program ***e.Tool config*** is designed to help you create system configurations as well as modify or test existing configurations for any ME 3011 module. Whether you are an experienced system engineer, or not yet proficient with the methods of system configuration, you will soon find out that ***e.Tool config*** is a versatile and powerful configuration tool.

If you have some experience with other Microsoft Windows applications you will be able to quickly familiarize yourself with ***e.Tool config*** as it is similar in many ways.

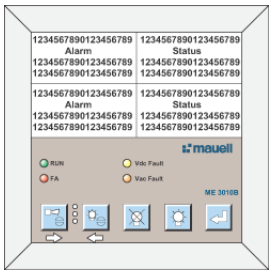
This section contains:

- A general guide to help you start your project design
- Basic notes on installation procedures
- Instructions for the documentation

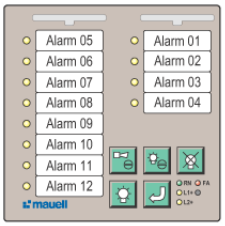
What is e.Tool ME 3011 config?

This program is a small but efficient configuration tool for the ME 3011 family.
At this time the family consists out of different module types. Most common modules are:

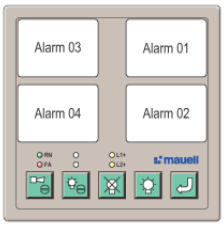
ME 3011B	4 up to	252 Signals with backlights in aluminium frame
ME 3011C	12 up to	60 Signals with LED's no signal delay / group alarm module
ME 3011CR	12 up to	60 Signals with LED's optional signal delay / group alarm module
ME 3011C+	12 up to	60 Signals with LED's optional signal delay / interface module
ME 3011D	4 up to	58 Signals with backlights no signal delay / group alarm module
ME 3011DR	4 up to	58 Signals with backlights optional signal delay / group alarm module
ME 3011D+	4 up to	58 Signals with backlights optional signal delay / interface module
ME 3011E		16 Signals with LED's



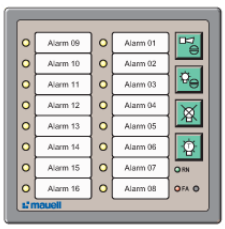
ME 3011B



ME 3011C(R/+)



ME 3011D(R/+)



ME 3011E

All modules are designed for front panel mounting.

Scope of this Manual

Because of the multitude of possible configurations in ***e.Tool config***, specific arrangements are not described in full detail in order to maintain a clear and comprehensible form. For additional information, please refer to the specific descriptions supplied by Bilfinger Mauell GmbH.

We have based the present configuration guide on the following simplifying assumptions:

1. The term Module designates any Annunciator of the ME 3011 family.
2. The shown configuration is just an example.
3. Configuration of the ***Modbus*** is described in a separate document.

Other Manuals for ME 3011

There are user manuals for every type of module. With every module,
you will get a ***Quick Reference Manual***. The ***e.Tool view*** also got a description.
Please go to ***www.mauell.bilfinger.com*** and search for ***3011***.

Installation/Deinstallation

Follow the instructions given below, to install ***e.Tool config*** on your computer.
This section describes the basic procedure for installing ***e.Tool config***, on a stand-alone computer, from a installation file.
For up-to-date information, please go to ***www.mauell.bilfinger.com*** and search for ***3011***.

Hardware Requirements and extra-needed Software

e.Tool ME 3011 config will run on a standard personal computer. In order to guarantee a flawless performance we recommend the following equipment:

- ***Windows 7*** or better
- Administrator rights during installation
- At least ***1.4 GHz*** processor
- ***4 MB*** RAM
- ***20 MB*** free disk space on hard disk
- A computer mouse or a compatible pointer instrument
- ***S-VGA*** monitor
- A free ***RS-232*** interface for connection to the target system
- Configuration cable for the connection of PC and module
- If necessary
  Microsoft® ***.Net*** Framework 2.0
  Microsoft® ***MDAC*** Data Access-Components 2.8
  Microsoft® ***Excel 2003*** for special Import/Export-Functions
  Adobe ***Acrobat***® or Acrobat Reader from Version 5.0 for printing the signal labels

Attention: If you have questions please refer to ***info@mauell.com*** via e-mail.

e.Tool config Installation – Basic Guidelines

The installation will be carried out in one step by means of a setup program with user guidance. The setup program will not check the version of the already installed components.

Setups of missing components have to be executed accordingly, for example ***.NET Framework*** or ***MDAC***. It is mandatory that all existing ***e.Tool config*** installations at your PC have to be uninstalled completely before installation.

All programs, which aren't required during installation, have to be exited!

Requests for a restart have to be complied by all means!

Read the messages and installation dialogues carefully and make the relevant decisions. The following description will explain the installation in detail.

Attention!	Please read this manual carefully. An incomplete or faulty installation could impede the program start of ***e.Tool config***.

Installation – e.Tool config

Before you start the installation of ***e.Tool config*** please check under ***Hardware Requirements and extra-needed Software***, if your computer system meets the ***e.Tool config*** requirements. Insufficient system resources may lead to program errors and poor performance.

Make sure that you are logged in with administrator rights in your computer system.

All programs, which are not required during installation, have to be exited!

Uninstall all former ***e.Tool config*** versions from your computer. For this purpose follow the instructions in the section ***e.Tool config Deinstallation***. Already existing configuration can remain if required.

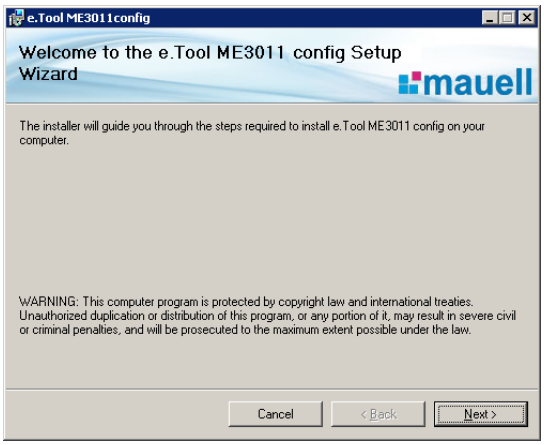
You will get the up to date installation file for the ***e.Tool config*** from our homepage ***www.mauell.bilfinger.com*** by searching for ***3011***.
The installation files for ***.Net*** and ***MDAC*** can be downloaded from ***www.microsoft.com***.

Depending on your Windows Version, you must not install the newest program version of Microsoft ***.Net***.

In order to ***start*** the setup program for ***e.Tool config***, double-click on the installation file ***e.Tool ME3011 config 4.xx.xx.msi***.

e.Tool config – Start Screen

The ***e.Tool config*** program must always be installed, if you like to configure any of the ME 3011 modules.

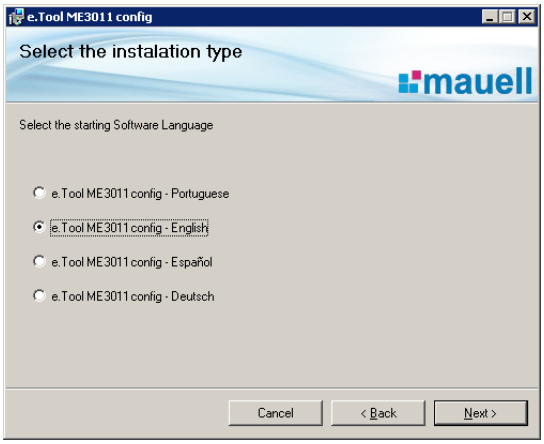


Picture: 0-1001 Install - Start Screen

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

e.Tool config – Language Selection

At this time, you can choose one out of 4 different languages.



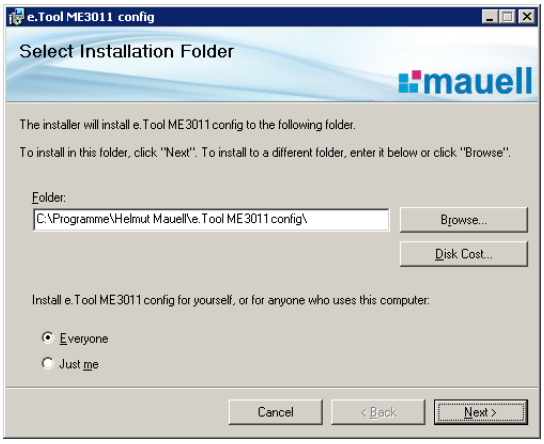
Picture: 0-1002 Install Language Selection

Select the desired language with the mouse pointer.
You can also change the *user interface (GUI) language* after the installation.

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

Target Directory

The installation program provides the opportunity to choose any desired program location for the ***e.Tool config*** installation.



Picture: 0-1003 Install Folder Select

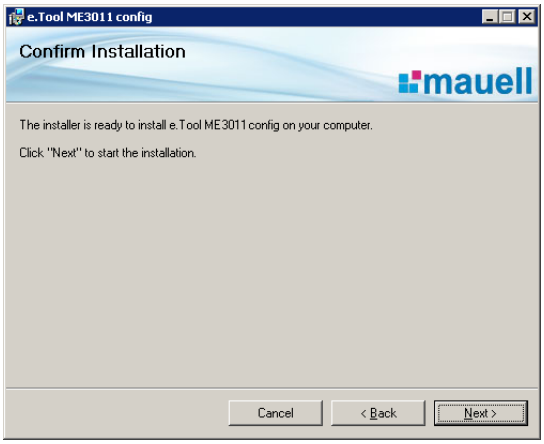
For a simplified service procedure we recommend to leave the preset destination location unchanged.

Click on ***Browse...*** if you have to change the installation path.
Click on ***Disk Cost...*** to see the free disk space from any attached drive.
Select ***Everyone***, to give every user on the PC, access to this program.
No authentication will be required at first program start-up.
Select ***Just me***, to keep ***e.Tool config*** only for your account.
Authentication is required at program start-up (can be configured).

Click to the button ***Next*** in order to select the installation folder.

Copying

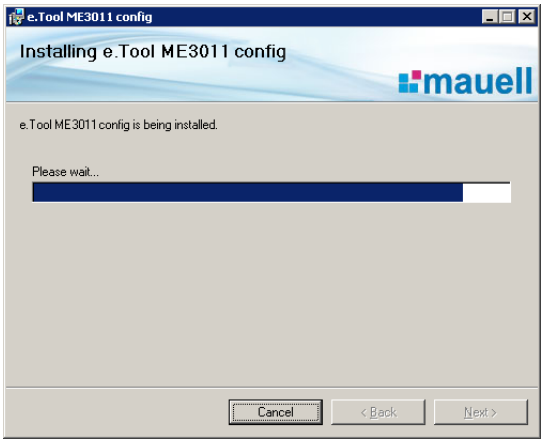
The window ***Confirm Installation*** gives you an overview about the options, chosen so far.



Picture: 0-1004 Ready To Install

Click to the button ***Next*** to start copying the program files.

The installation will copy the necessary program files into the corresponding folders.

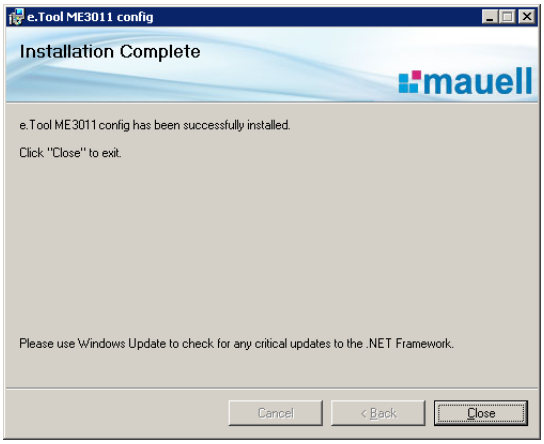


Picture: 0-1005 Installing Files

Please wait until the copying process has been completed.

Installation Complete

Click to the button ***Close*** to complete the installation.



Picture: 0-1006 Installation Complete

At this point, you have successfully finished the installation of ***e.Tool config***.
Now you can see the start icon, for launching the ***e.Tool config*** program, on your desktop.

Picture: 1-0001 Program Icon

The folder ***Helmut Mauell*** was created under ***Start*** → ***Program***.
During installation the following program linkages were saved in this directory:

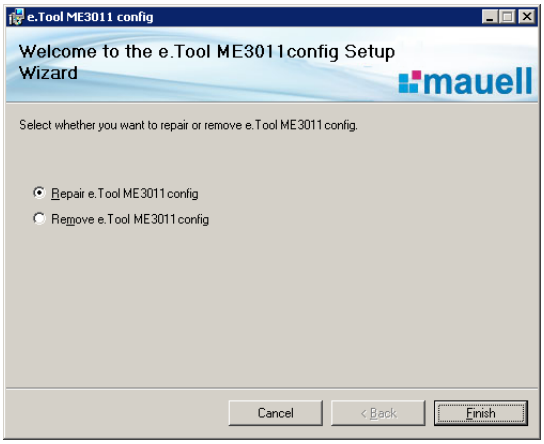
e.Tool ME 3011 config: Execute ***e.Tool config*** program start.

eToolME3011PointImport: XLS-Spreadsheet configuration file.

Attention:	Please check the ***Windows Update*** program, to receive regular updates of the required system components!

Repair and Uninstallation

You may always carry out the ***e.Tool config*** setup again in order to remove or repair the installation.



Picture: 0-2001 Repair / Remove

Repair: Enables you to overwrite a defective installation. However, we recommend a complete uninstall of ***e.Tool config*** with a succeeding re-installation.

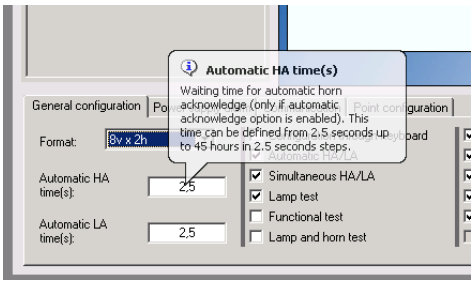
Remove: Starts the uninstalling of the ***e.Tool config*** program.

e.Tool config Update

An ***e.Tool config*** update will be carried out by uninstalling the obsolete ***e.Tool config*** version and by ***installing*** the ***new e.Tool config*** version.

In some places you will find a ***Balloon Help*** for the selected item.

Just place the mouse pointer over a field e.g. ***Automatic HA times*** and you will become an in-place help.



Picture: 1-1000e Balloon-Help

Tip: By holding down the ***Ctrl*** key, the Help window can be kept open.

Show Documentation

In general the documentation is available as ***Windows Help*** and as ***PDF-file***.

Documentation as PDF-file

The ***e.Tool config documentation*** is available as PDF-file.
The readout program ***Adobe Acrobat*** for PDF-files is supplied via the internet and may be installed if required.
Take a look at our website to find new versions from the PDF-files.

Service / Help

Bilfinger Mauell GmbH offer several alternatives for your service.

However, a precondition for these is that the responsible user commands the necessary knowledge of the operating system and the ***e.Tool config*** installation.

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Extended Service

If you are calling because of problems regarding ***e.Tool config*** you should be at your work station and have the corresponding product documentation close at hand.

Please have the following information ready:

- Version number of your ***e.Tool config*** software, the Windows installation and the installed service pack.
- Exact wording of all messages which appeared on your screen
- Description of what happened and what you were doing when the problem occurred
- Description of your attempts for solving the problem

PC Connection to the Module

It is very easy to attach a ME 3011 module to a PC.
You only have to connect the provided cable (71.90.011 [CS-02]), from a RS 232 PC interface to the RJ10 jack of the module.
If your PC does not provide a serial interface, you have the choice to add a RS 232 card to the PC or you may use a USB to RS 232 converter.
Ask us for recommended equipment (e.g. DIGITUS DA-70145 or 46-1).

The first Program Start

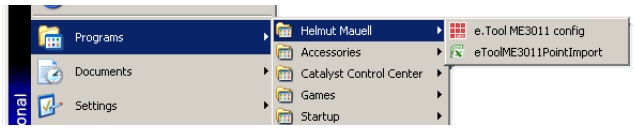
You can use different Windows standard methods for the program start.

Startup via Desktop Icon

Start ***e.Tool config*** with a double-click on the ***e.Tool config*** program icon.

Picture: 1-0001 Program Icon

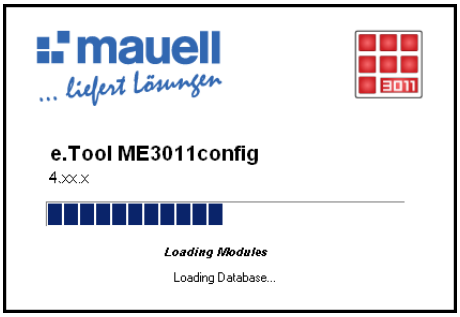
Startup via Windows Start Menu



Picture: 1-0000 Program Menu

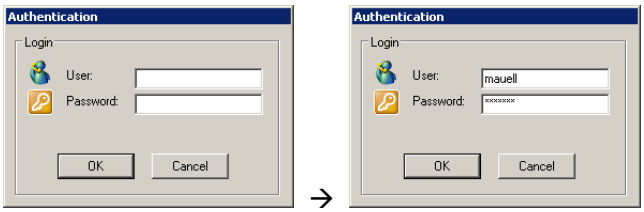
Welcome Screen / Authentication

When the program start is triggered, you can see the real name and version of ***e.Tool config*** and the progress of loading the program modules.



Picture: 1-0001 Program Start

Depending on the ***e.Tool config*** installation for the destination directory (see page 9), you will get a user authentication (login) window.
If required, type in your password at the ***e.Tool config*** starting window.



Picture: 1-0011e Authentication

Type ***mauell*** as the default name for ***User*** and also ***mauell*** as the default ***Password***

Attention: For a save configuration, it is necessary to create a new user and set a new password!

Click to the button ***OK*** to start ***e.Tool config***.

Online / Offline

The next window is the ***Online***/***Offline*** window.

Picture: 1-0030e Online / Offline

Here you have to decide to go ***online*** with the attached module,
or stay ***offline***.

Offline start

If the ***e.Tool config*** is starting offline, the tool does not open any project (exception is a configured default project).

Online start

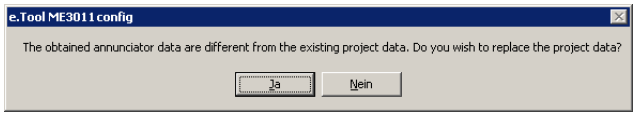
If the ***e.Tool config*** is starting online, the tool is probing the PC interfaces (RS 232) in order to find a configurable ME 3011 module. You will get the message ***Wait...*** till the probe is finished after a few seconds.

Picture: 1-0040e Wait

Depending on the hardware and software configuration, you will get the following messages.

Module data differs from project data

If the data, stored in the module, is different to the data loaded or created in ***e.Tool config***, you will become this message window.

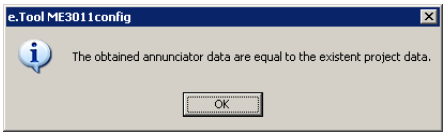


Picture: 1-0050e Message Data are different

In this window you have to decide, whether to replace the project data with the module data (***Yes***) or to leave the data differently (***No***). After this, the program window will be loaded.

Module data is same as project data

If the data, stored in the module, is equal to the data loaded or created in ***e.Tool config***, you will also become a message window.

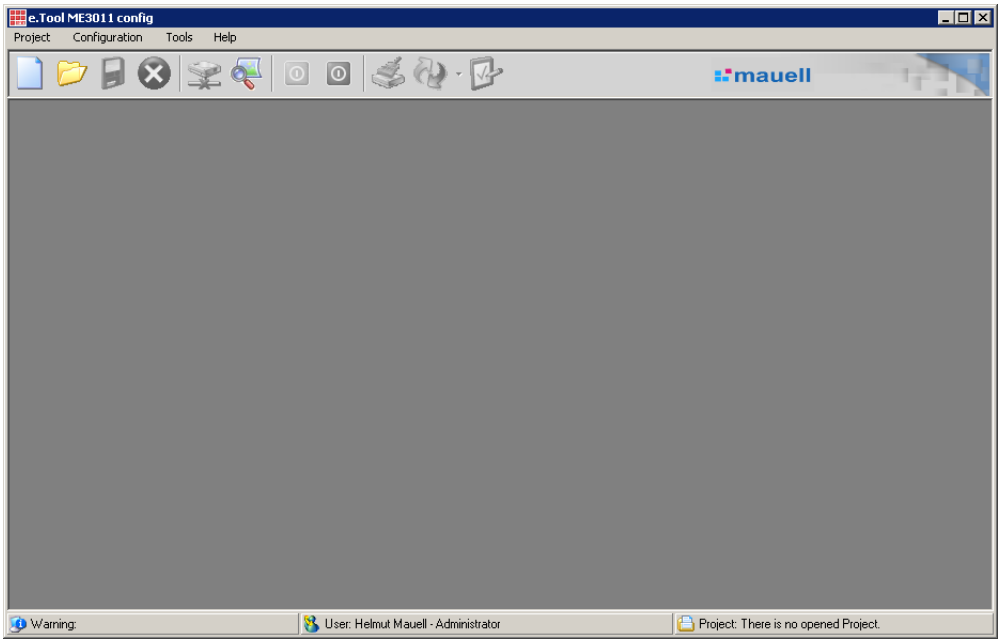


Picture: 1-0051e Message Data are equal

Click to the button ***OK*** to acknowledge the message.

Program Window

The program window from ***e.Tool config*** consists of different areas.



Picture: 1-0034e Offline First Start

If you start ***e.Tool config*** in online mode and no module is connected or found, you will get an error message.

Picture: 1-0034e Online First Start Error

Click to the button ***OK*** to acknowledge the message.

If the ***e.Tool config*** does not find the attached module, you have to check the cable connection from the PC to the module and the matching power supply for the module.

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Program Window – Title

The window ***Title*** is holding the name of the program.

Picture: 1-0035e Window Title

The buttons on the right are the standard Windows buttons.

Program Window – Menu Items

The Menu bar is showing all menu items you can choose from.

Picture: 1-0036e Window Menu

All menu items are explained in the document, you are about to read.

Program Window – Toolbar

The toolbar, in the upper side of the program window, is holding a number of switches, to allow a fast access to most needed commands.

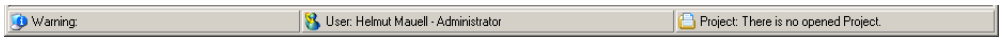
Picture: 1-0037e Window Icons

Only a few of these commands can also be accessed via the menu items (see ***Description of the Toolbar Icons*** at page *Fehler! Textmarke nicht definiert.*).

Note: There are currently no keyboard shortcuts.

Program Window – Status Bar

The Status Bar, in the lower side of the program window, is holding three information blocks.



Picture: 1-0038e Window Status

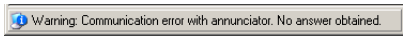
You can find warnings on the lower-left,
user info in the middle and project info at the lower right side.

Status Bar – Warning

The ***Status Bar Warning*** can show you,
that the PC is connected to the module
and the ***e.Tool config*** software has also established
a logical connection.

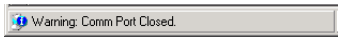
Picture: 2-0001e Status Warning - Communication Annunciator OK

The ***Status Bar Warning*** can show you,
that the ***e.Tool config*** software has no logical connection to the module.
A request was not answered.
Check the cable connection and try again.



Picture: 2-0001e Status Warning - Communication Error no Answer

The ***Status Bar Warning*** can show you,
that the ***e.Tool config*** software
has no logical connection to the module.



Picture: 2-0001e Status Warning - Com-port Closed

Status Bar – User

The ***Status Bar*** is showing the ***user name*** and the ***user category***.

Picture: 2-0002e Status - User

Status Bar – Project

The ***Status Bar Project*** does show you the name from the currently loaded project.

Picture: 2-0003e Status - Project Name

The Status Bar Project tells you if currently no project is loaded.

Picture: 2-0003e Status Project - Not open

You will have to create or load a project, to configure a module.
The Status Bar Project tells you, if currently, no project is defined.

Picture: 2-0003e Status Project - Not defined

You will have to create or load a project, to configure a module.
There are no pre-configured projects available to load.

Configuration of e.Tool config

There are a few ***e.Tool config*** configurations to make,
before you should start to configure any module.

Configure the communication interface for the module.

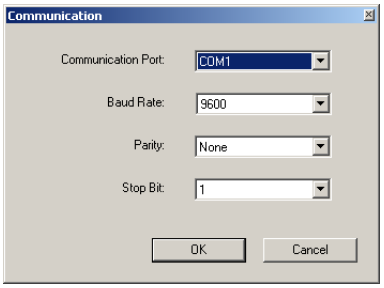
Be sure to create, at least, one ***user account***.

Select the right ***language***.

Set the matching ***locale time***.

Configure Communication Interface (COM)

Via the ***Configuration*** menu, you can select the ***Communication*** command
to load the ***Communication*** window.



Picture: 2-2101e Configure - Communication

Choose the ***Communication Port*** *(**COM1** to **n**)*
which is the connection between the module and Your PC.

Choose the ***Baud Rate*** of the interface. ***9600*** baud is the standard setting.

Choose the ***Parity*** of the interface. ***None*** parity is the standard setting.

Choose the number of ***Stop Bits*** of the interface. ***One*** stop bit is the standard setting.

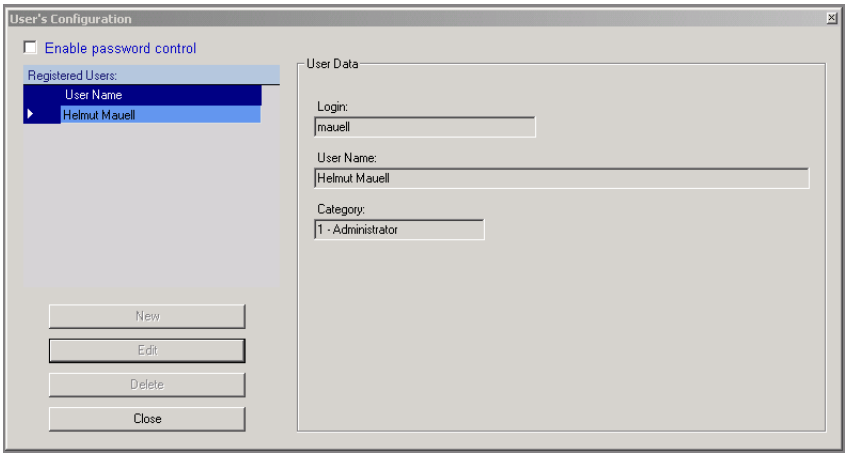
Create a new User Account

For security and organizational reasons,
we always recommend creating a new user account.

The ***mauell*** user account is only pre-configured
as an example and to allow the first program login.

Via the menu item ***Tools*** you can choose the command ***Administrative Tools*** → ***User's Configuration*** to load the window ***User's Configuration***.

Under ***Registered Users*** you will find all ***User Names*** that are configured.



Picture: 2-3111e Configuration User Edit

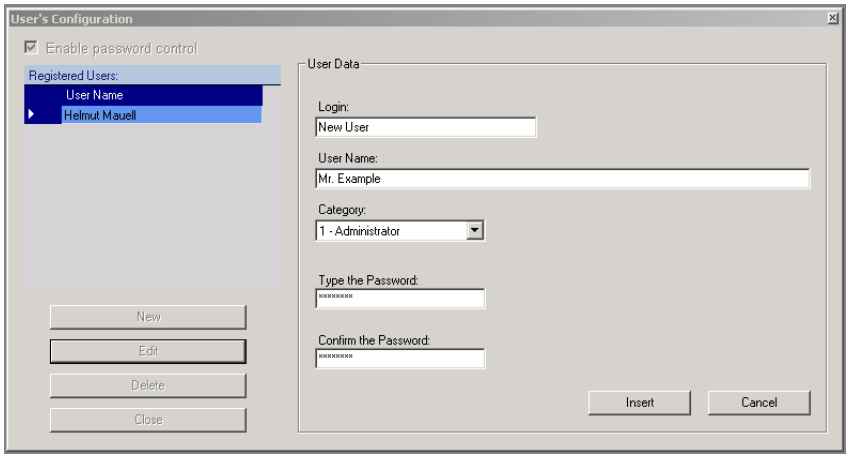
Select the checkbox ***Enable password control***,
to protect the ***e.Tool config*** installation against unauthorized access.

Click the button ***Edit***, to change any ***User Data***.

Click the button ***Delete***, to erase the selected user account.
One administrator account got to remain!

Click the button ***Close***, to shut the ***User's Configuration*** window.

Click the button ***New***, to create a new user account.
Now you can fill out the desired ***User Data***.



Picture: 2-3112e Configuration User Edit

Login is the user name; you might need for the authentication during a program start.

User Name is the account name for the ***Registered Users***.

You must select one of two different ***categories*** for the user.

Fist category is the ***Administrator***. A administrator has all rights and total access to any function of ***e.Tool config***.

Second category is the ***Restricted User***.
The individual rights can be individually assigned for this user.

A user with all 24 rights has the same opportunities as an administrator.
The following rights can be given to or taken from a user:

- New: Project
- Edit: Project
- Delete: Project
- Function: Open from... - Project
- Function: Save as... - Project
- Function: Save - Project
- Function: Save as... -Project
- Edit: Standard Project
- New: User
- Edit: User
- Delete: User
- Edit: Communication
- Function: Clock adjustment
- Function: Enter configuration mode
- Edit: Visual Point configuration
- Function: Delete event registers
- Function: Obtains all annunciator data
- Function: Send all data to annunciator
- Function: Set project with default values
- Edit: Format (Annunciator)
- Edit: General configuration
- Edit: Power supply alarm
- Edit: Modbus Protocol
- Edit: Point configuration

The rights can be changed any time by any administrator or restricted user, with the right to do so.

Type the Password into the desired field and ***Confirm the Password*** within the next field.

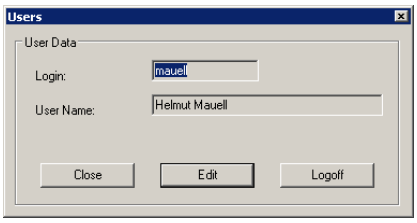
Click to the button ***Insert*** to create the new account.

Important:	After you have created your own account, you will have to ***erase*** *the* ***mauell*** user account, because of security reasons.

Change User Password

Via the menu item ***Configuration*** you can choose the command ***Users*** to load the window ***Users***.

Here you can change the logged-in user or change his password.

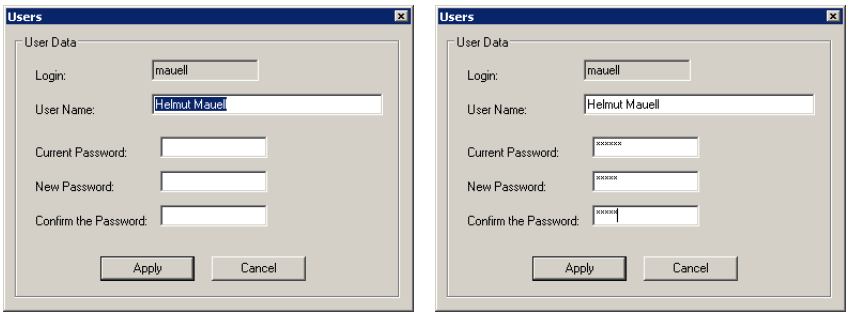


Picture: 2-2301e Configuration User

Click the button ***Close***, to close this window.

Click the button ***Logoff***, to login as another user.

Click the button ***Edit***, to change the password from the logged-in user.



Picture: 2-2302e Configuration User Edit

For every ***Login*** name you can change the ***User Name*** retrospectively. It is also possible to change the old password. Therefore you have to type the ***Current Password***, give a ***New Password*** and then ***Confirm the Password***, by typing it again. Uppercase and lowercase are not discerned on login.

Password Security Advice!

1. Choose a strong (long) password.
2. Change your password regularly.
3. Share your password with nobody else.

Configuration – Language

The ***e.Tool config*** provides ***Portuguese***, ***English***, ***Spanish*** and ***German*** as selectable languages for the GUI.
At this time you can choose one out of these four languages.

Via the menu item ***Configuration*** you can choose the command ***Language*** to select the fitting language.

Picture: 2-2201e Configuration Language

Note: The language can only be switched if no project is loaded.
The software family e.Tool allows you to add new languages.
You will find a How-To in the appendix of this document
(see ***How-To add a new Language***).

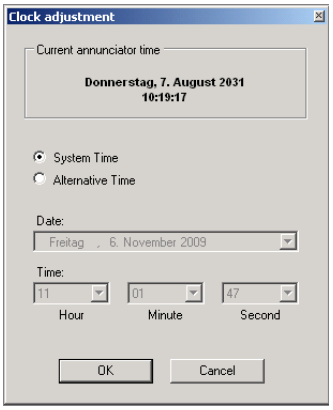
Tools – Time / Date

Via the menu item ***Tools*** you can choose the command ***Clock adjustment*** to set the time and date for a connected module

If you want to set the time for a module, you got to get connected to it first.

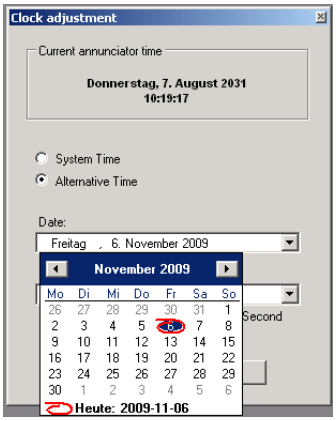
Go online for a few seconds to read out the module-time and then click the button  to ***Exit configuration mode***.

Now, via the menu item ***Tools***, you can choose the command ***Clock adjustment*** to load the window ***Clock adjustment***.



Picture: 1-3202e Tools Clock Adjustment

In the upper side of the window, you will see the ***Current annunciator time***. Now you can choose if you like to set the ***System Time*** (from your PC) or an ***Alternative Time*** to the module.



Picture: 1-3202e Tools Clock Adjustment Alternative

In the ***Date*** field you can use the windows system calendar, to set a different date for the attached module.

This selection has no effect to your PC time.

You are also free to set the ***Time***, suitable to their requirements.

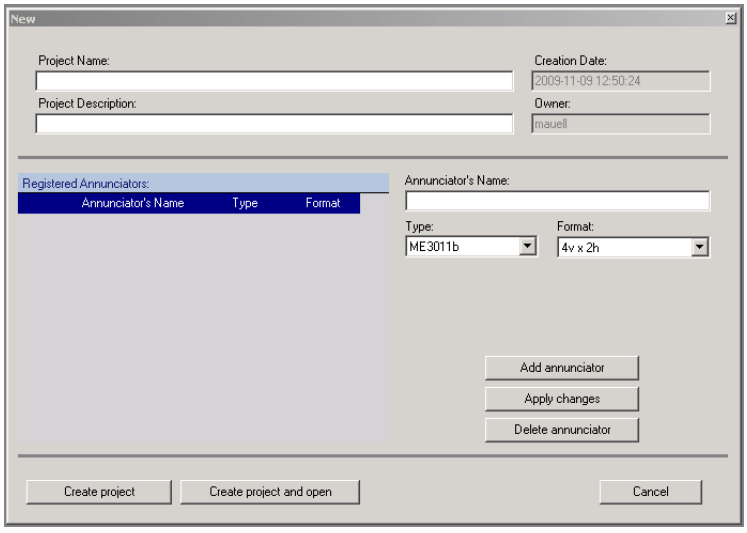
Click to the button ***OK*** to set the new time for the module.

Working with e.Tool config

Before you start, there is no project data in ***e.Tool config*** or a ME 3011 module.
The following chapters will give you an idea how to change that.

Creating a new Project

To get a configuration for a ME 3011 module, you got to create a new project first.
Via the menu item ***Project*** you have to choose the command ***New*** to open the window ***New***, or simply click the icon  .

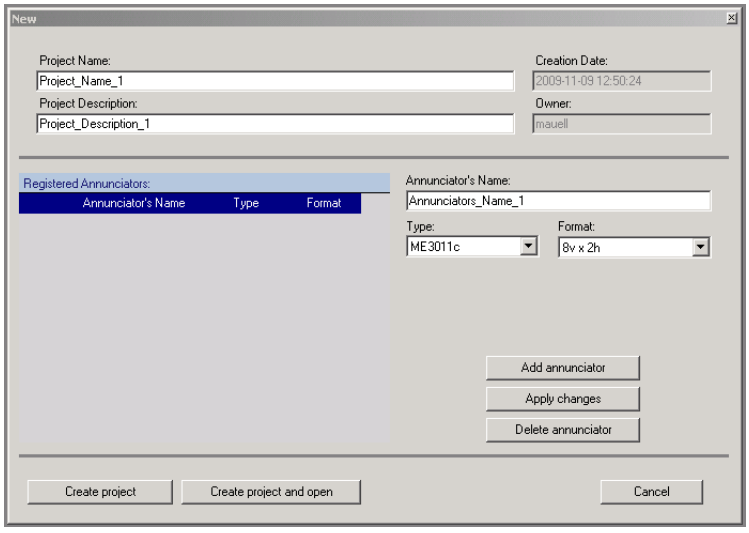


Picture: 1-1100e New

Fill in the mask, corresponding to the module that has to be configured.

Select an appropriate ***Project Name*** for the new project.

Give a brief ***Project Description***, which makes things easier in the future.

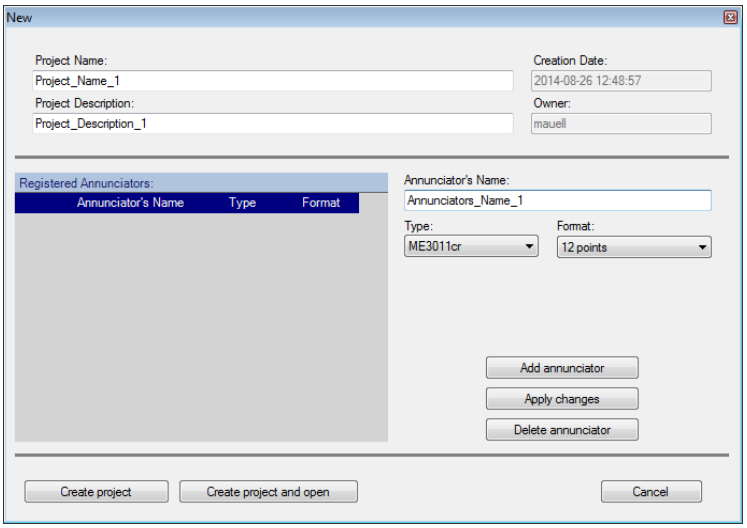


Picture: 1-1101e New

Creation Date and ***Owner*** will be automatically generated from the actual PC-time and the logged-in user.

Give the ***Annunciator a Name***, and select his module ***Type*** and ***Format***.

The ME 3011 System got a number of different module-***Type****s* (ME 3011**B**, **C, CR, C+, D, DR, D+** and **E**) and every module-Type has a number of different module-***Format****s* (housings).



Picture: 1-1102e New

Click to the button ***Add annunciator***, to save the entered data into the list of ***Registered Annunciators***. Now, this data is stored into the ***e.Tool config*** database.

With ***Apply changes***, you are able to edit a selected annunciator from the ***Registered Annunciators*** list.

With ***Delete annunciator*** you will erase the selected list entry.

Click to the button ***Create project***,
to save the new project into the ***e.Tool config*** database.

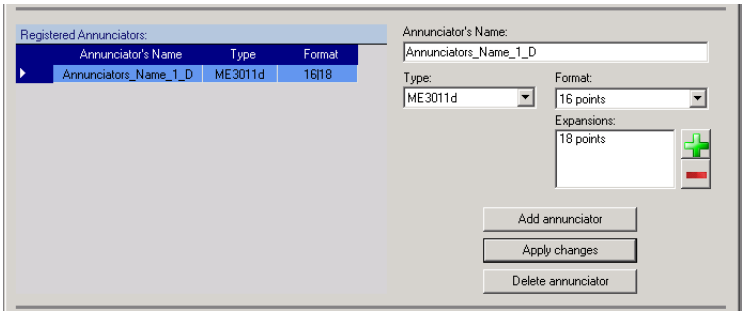
The button ***Create project and open***, will save and also open the project.

If you press ***Cancel***, project will ***not*** be stored,
no changes will be written to the database.

Special Features of the D-modules

According to the ***ME 3011D*** system topology,
you are able to configure a ***Basis Module*** and an ***Expansion Module*** at the same time.

If the device ***Type ME 3011D*** is selected, you will get the option to expand the construction.



Picture: 1-1102e New with D Expansion module

Click to the button, ***Add annunciator***,
to expand the Basis Module, with a number of alarm points.

Click to the button, ***Apply changes***, to enable the new set of individual modules.

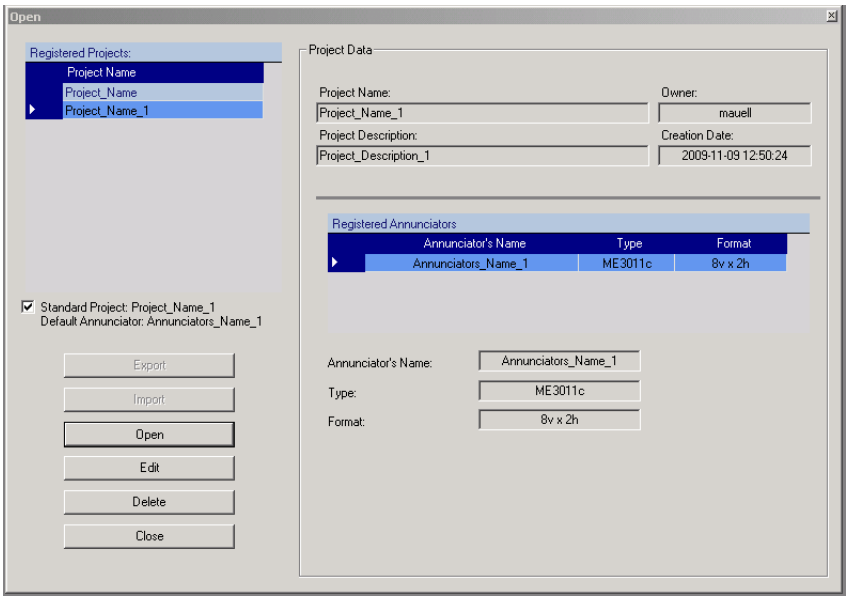
Click to the button, ***Delete annunciator***, to delete an Extension module,
selected by the mouse pointer.

Load an existing Project

After you have created at least one project, you can load it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***, or simply click the icon  .

The window ***Open*** is for the ***project management*** of ***e.Tool*** configurations.



Picture: 1-1200e open

Select one ***Project Name*** at the ***Registered Projects*** list.
Now you can see the ***Registered Annunciators*** at the right side of the window.

The selection of ***Standard Project:*** sets the by default loaded project.

Click to the button ***Open***, to load the selected project.

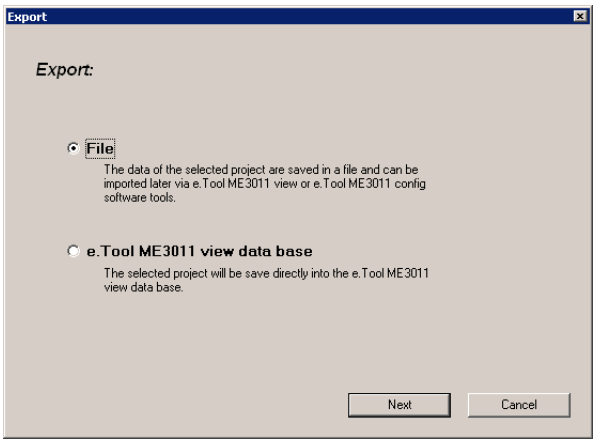
Project Export

After you have created at least one project, you can export it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Export*** to open the window ***Export***.

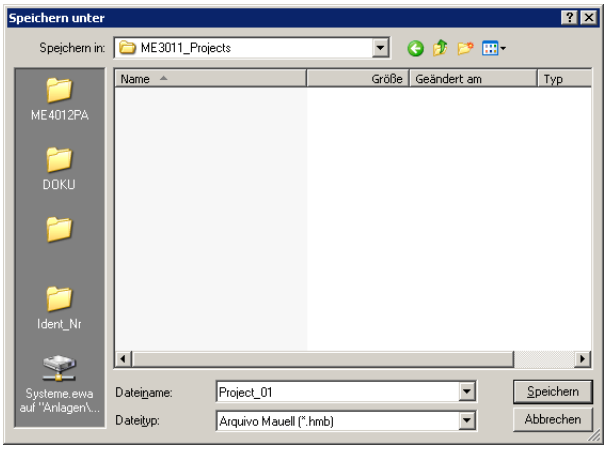


Picture: 1-1201e open export

Via the selection ***e.Tool ME3011 view data base***,
you can export the configuration into the ***e.Tool view*** database.
e.Tool view is a monitoring software of the ME 3011 family.

Via the selection ***File***, you are able to export the configuration into a special ***e.Tool*** file.

Click the button ***Next*** to get the window for selecting the desired directory and File name.



1-1202e open export

Click the button ***Store*** for exporting the configuration.

1-1203e open export

You will get a message window, when the export process has successfully finished.

Now your configuration is stored under the file name *.**HMB** (**H**elmut **M**auell Data**B**ase).

Click the button ***OK*** to close this window.

Now you can import this database, every time you like.

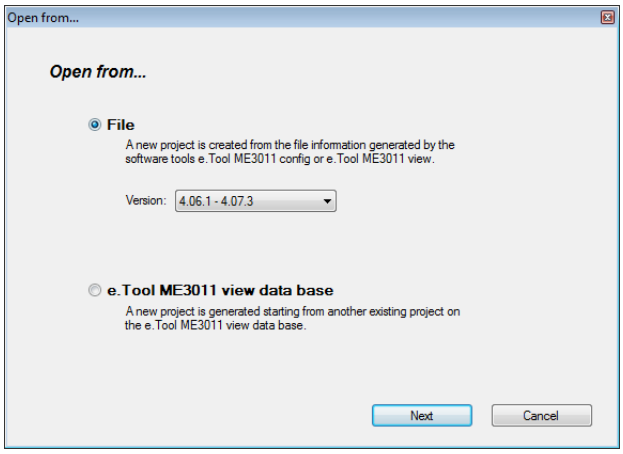
Project Import

After you have at least one exported project,
you can ***Import*** it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Import*** to open the window ***Import***.

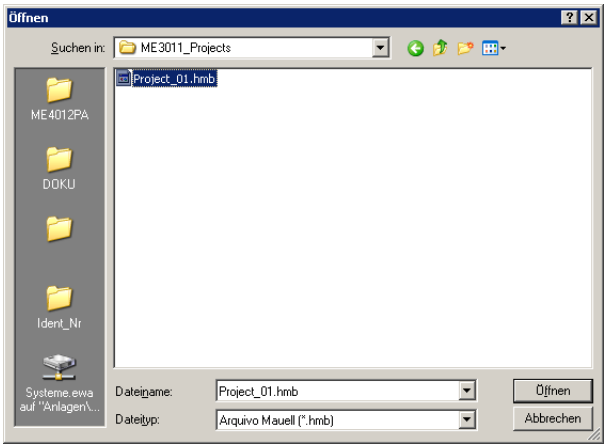


Picture: 1-1202e open import

Via the selection ***e.Tool ME3011 view data base***, you can import the configuration from a ***e.Tool view*** database. ***e.Tool view*** is a monitoring software for ME 3011.
With the help of the selection box ***Version***, compatibility is made to configurations of older versions.
The version of the configuration files cannot be detected automatically.
By default, the configuration will be loaded with the setting of the current version.

Via the selection ***File***, you are able to import the configuration from a special ***e.Tool*** file.

Click the button ***Next*** to get the window for selecting the desired directory and file name.



1-1203e open import

Note: e.Tool projects of an outdated version may not be loaded, using a recent version.

Click the button ***Open*** for importing the configuration file.

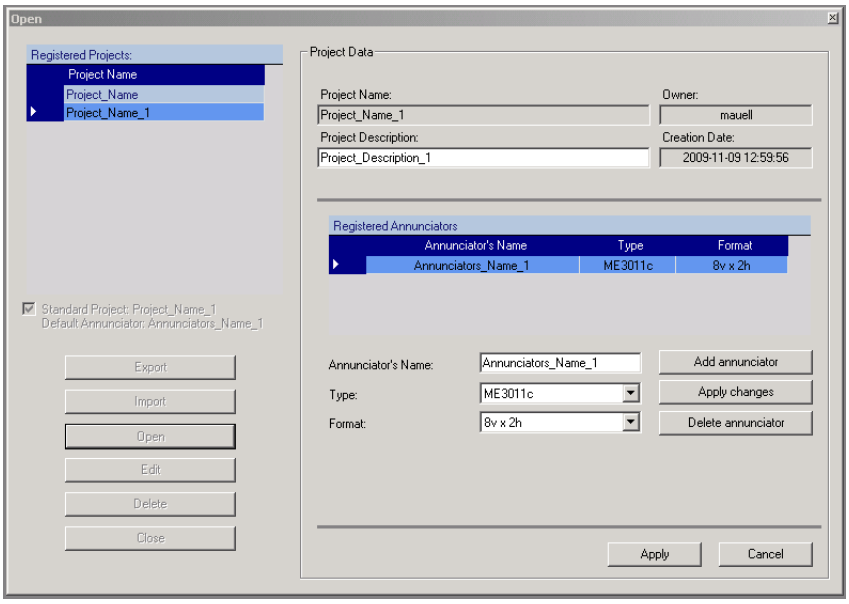
Project Edit

After you have created at least one project,
you can edit it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Edit*** to edit the configuration at the right side of the window.



Picture: 1-1202e open edit

In the edit mode, you can change the ***Project Description***, ***Annunciator's Name***,
Type and ***Format*** from the selected project.

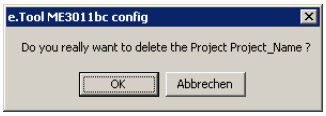
Project Delete

After you have created at least one project,
you can delete it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Delete*** to erase the configuration.



Picture: 1-1202e open delete

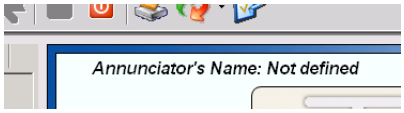
Click to the button ***OK*** to confirm the extinction.

Click to the button ***Close*** to shut down the window ***Open***.

Project Save

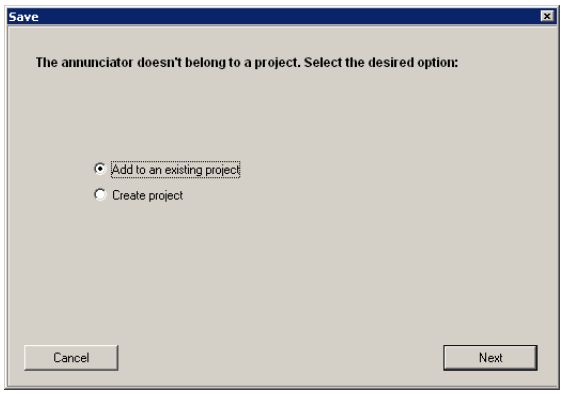
Via the menu item ***Project*** you have to choose the command ***Save*** to open the window ***Save***.

Or maybe you made a new configuration and the ***e.Tool config*** is asking you to save the changes.



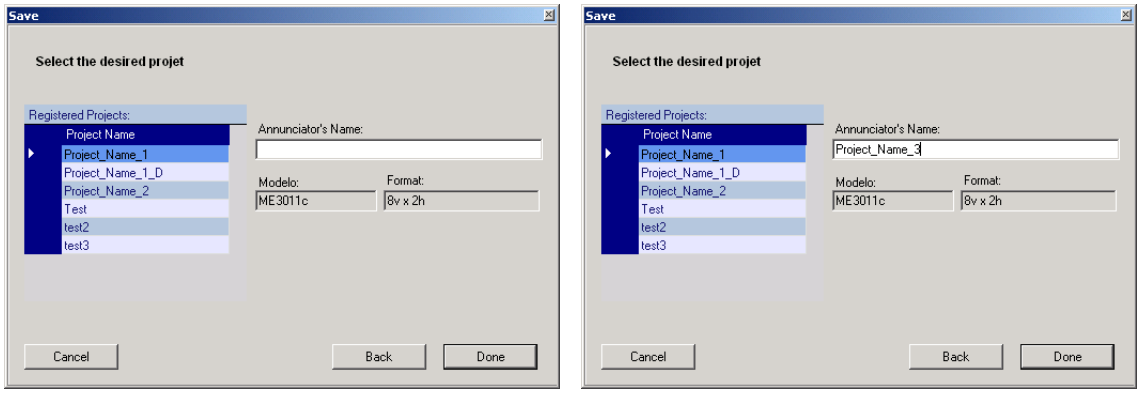
Picture: 1-1305e Save

Reason is, that the ***Annunciator's Name*** is ***Not defined*** and therefore does not belong to a project.



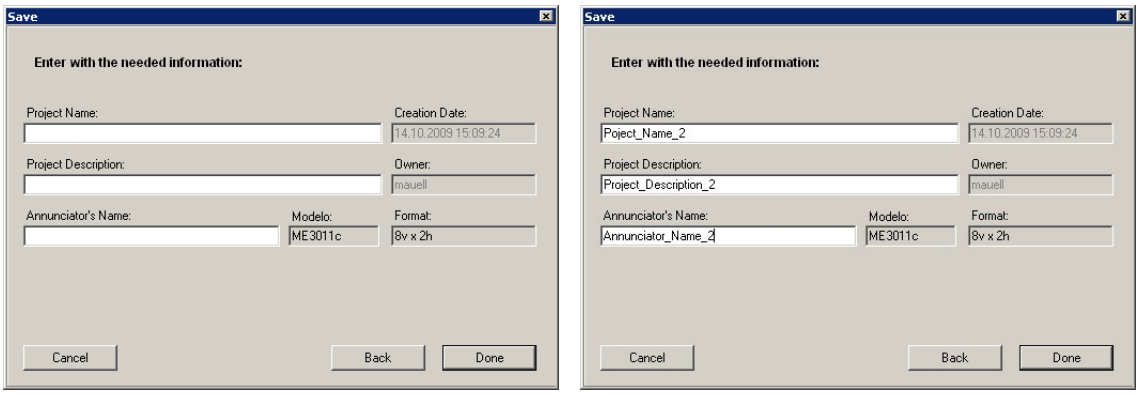
Picture: 1-1300e Save

You can choose ***to add*** the new config to ***an existing project***.



Picture: 1-1303e Save

Or you can ***create*** a new ***project***.



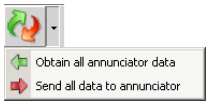
Picture: 1-1301e Save

Please compare ***Creating a new Project***.

Communication with the Module

Before you can communicate with a ME 3011 module,
you got to attach the module to the configuration PC.

Press the button  ***Online*** to establish a connection to the module.
Normally, you will get a beep from the module buzzer and the following icon will go active.



Picture: 2-0010e Icon Obtain Send Data On

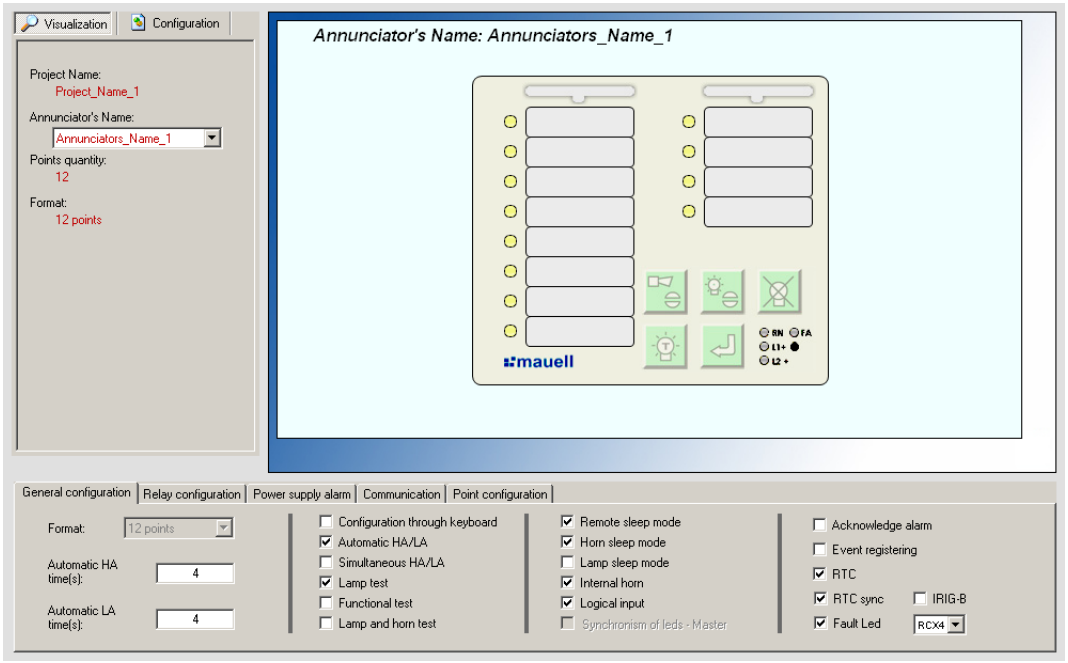
The icon let you choose, whether to download the configuration data,
already stored at the ME 3011 module (***Obtain all annunciator data***), or
Send all data *back* ***to*** *the* ***annunciator***. Use the Send... button,
to store changed configuration to the attached module.

The ***e.Tool config*** will always compare the loaded configuration,
with the configuration, stored inside the module.
Correlating message windows will give you a conformance report.

Configuration of the Module Visualization

The main task for ***e.Tool config*** is the building of configuration for any module of the ME 3011 family.

You just have to load a matching project, and you can configure any feature of the module.



Picture: 2-1001e Visualization C-Module

After you have loaded a configuration via the ***project management*** or direct from the attached module, you can ***customize*** the module to your needs.

Use the ***Configuration***, to add the desired parameters.

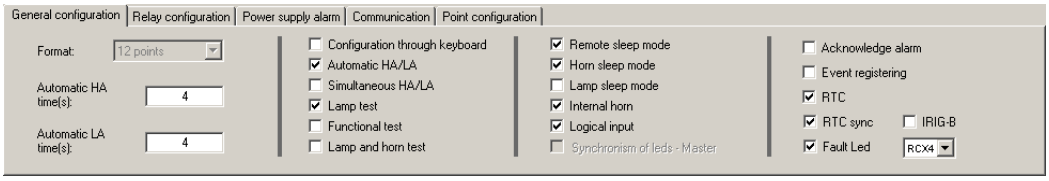
Use the ***Visualization*** to show the entered parameters from your configuration.

In the following chapters, you will find all possible configuration parameter for any module.

Note: Missing module features will not be configured.

General Configuration

The Tab ***General Configuration*** is used for the general configuration of any ME 3011 module.



Picture: 2-3100e General Configuration

You must ***Send all data to annunciator*** to store the changes inside the module.

In the following chapters, you will find all possible general configurations.

Format

Depending on the selected module type (ME 3011**B**, **C**(**CR/C+**), **D**(**DR/D+**) and **E**), you can select the housing ***Format*** from the module.

The format has to correspond to the attached module.

Automatic HA time(s)

The ***Automatic HA time (s)*** is the duration, before an activated horn will automatically be acknowledged. The time can be defined from 2 s up to 162000 s (45 hours) in steps of 2 seconds.

This acknowledge will only be executed if the parameter ***Automatic HA/LA*** is enabled.

Automatic LA time(s)

The ***Automatic LA time (s)*** is the duration, before an activated light will automatically be acknowledged. The time can be defined from 2 s up to 162 000 s (45 hours) in steps of 2 seconds.

This acknowledge will only be executed if the parameter ***Automatic HA/LA*** is enabled.

Configuration through Keyboard

Some modules allow an on-site configuration, via the buttons at the front panel.
This configuration is burdensome and not well documented (only for Mauell Service).
Please keep this option unselected!

Automatic HA/LA

If the parameter ***Automatic HA/LA*** is enabled, the automatic ***acknowledge*** for the ***horn*** and ***light*** will be executed after their configured time.

Simultaneous HA/LA

The parameter ***Simultaneous HA/LA*** allows the simultaneously horn and light acknowledge in accordance with the HA time.

Lamp Test

The parameter ***Lamp Test*** enables the lamp test for the module.
After pressing the Lamp-Test button at the front panel from the ME 3011 module, all lights/LED's will simultaneously light up for a few seconds.

Functional Test

The parameter ***Functional Test*** is simulating the selected ISA Mode.

After pressing the Lamp-Test button  at the front panel from the ME 3011 module, all signal inputs are getting a simulated signal. Depending on the selected ISA Mode, you can show their behaviour, for every signal input.

Example: If you have chosen the mode ISA-2C,
you got to press the buttons  →  →  to stop the function-test.

Lamp and Horn Test

The parameter ***Lamp and Horn Test*** enables a consolidated lamp and horn test.
After pressing the Lamp-Test button at the front panel from the ME 3011 module, all lights and horns will simultaneously be activated for a few seconds.

Remote Sleep Mode

The parameter ***Remote Sleep Mode*** enables sleep mode.
The Sleep Mode is used to deactivate internal light and/or sound signaling.
When active, the green RUN LED is flashing, indicating the sleep mode.
The sleep mode can be disabled by pressing every module button.

Horn Sleep Mode

The parameter ***Horn Sleep Mode*** deactivates the alarm indication for the horns.
The Sleep Mode can be disabled by pressing every module button.

Lamp Sleep Mode

The parameter ***Lamp Sleep Mode*** deactivates the alarm indication for the lamps.
The Sleep Mode can be disabled by pressing every module button.

Internal Horn

The parameter ***Internal Horn*** activates the notification by the internal horn (buzzer).

Logical Input

The parameter ***Logical Input*** enables commands and alarms,
coming from a ***Modbus network***.

Synchronism of LED's – Master

The parameter ***Synchronism of LED's – Master*** will set this module as the master
for the synchronous flashing of the connected modules.
Therefore you have to wire the Flash-Sync. module-output with the inputs of the other modules.
The matching cable connections are described in the corresponding Quick Reference Guide.

Acknowledge Alarm (only ISA 1B)

The parameter ***Acknowledge Alarm*** must be enabled,
only when the ISA 1B mode is used.

Event Registering

The parameter ***Event registering*** enables the recording from occurrences in the module.
On each alarm, the annunciator records the alarm with time stamp in its internal memory.
Consider, that the module have to provide an event register to do so.

RTC

The parameter ***RTC*** enables the ***R****eal* ***T****ime* ***C****lock* from the module.
The time is adjustable via the clock adjustment in the tool menu.

RTC Sync - IRIG-B

The parameter ***RTC Sync*** enables the flash synchronization via the attached ***GPS*** clock impulse.

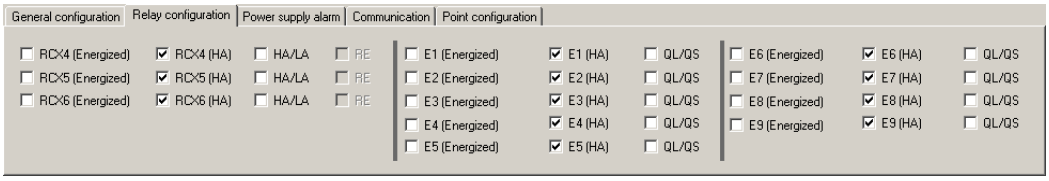
The parameter ***IRIG-B*** enables the RTC synchronization via the IRIG (**I**nter **R**ange **I**nstrumentation **G**roup Time-code with 100 impulse/s) protocol. Selection is only possible when RTC Sync is enabled. When the command IRIG-B is not enabled, the module clock will be synchronized by ***PPS*** (**p**ulses **p**er **s**econd).

Fault LED

The parameter ***Fault LED*** enables to show a module failure (red FA LED on)
to relay contact ***RCX4***, ***RCX5*** or ***RCX6***.

Relay Configuration

The ***Relay configuration*** tab is used to configure the relay outputs ***RCX4*** to ***RCXn (E9)***.



Picture: 2-3500e Relay Configuration

RCX4 up to RCXn (E9) (Energized)

The parameter ***RCX4 (energized)*** will set this relays contact, to normally ***closed*** (closed-circuit current). If that parameter is not set, this contact is normally ***open*** (residual-current).

RCX4 up to RCXn (E9) (HA) – QL/QS

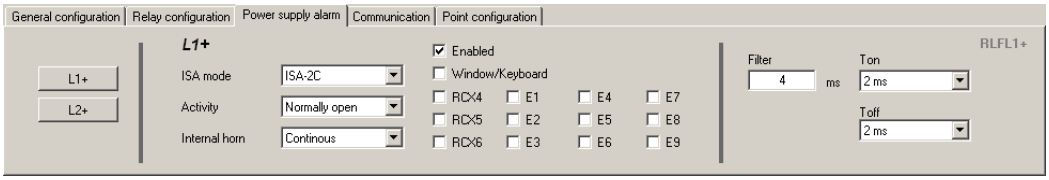
The parameter ***RCX4 (HA)*** enables the horn acknowledge for this relays contact event.
QL/QS enables the lamp and horn (sound) acknowledge for this relays contact event.

RE (Reset)

When the RE-function is selected, the relay is only recognized
when the reset button was pressed after the horn and lamp test (HA → LA → RE).

Monitoring of the Power Supply

The tab ***Power Supply Alarm*** is used for the monitoring configuration of the supply voltage ***L1+*** and ***L2+***.



Picture: 2-3200e Power Supply Alarm

Some modules have a optional **P**ower **S**upply **F**ault **D**etector (PSFD/RLFL) for the first (***L1+***) and second (***L2+***) supply voltage.
You have to enable this feature, to monitor the power supply.

RCX4 up to E9 – group alarm (auxiliary contact) which, when selected, will be activated simultaneously with the related alarm.

You must ***Send all*** *changed* ***data to*** *the* ***annunciator*** to store the changed parameter inside the module.

In the following chapters, you will find the possible configurations.

L1+

A mouse click to the button ***L1+*** displays the configuration of the voltage alarm ***RLFL1 +***.

L2+

A mouse click to the button ***L2+*** displays the configuration of the voltage alarm ***RLFL2 +***.

ISA Mode

The selection-field ***ISA Mode*** is providing a few ISA 18.1 alarm sequences.
Every ISA sequence is providing a unique visual and acoustic display for the PSFD alarm.

ISA-1, ISA-1A, ISA-1B, ISA-2A, ISA-2C, ISA-4A, ISA-4AR, STATE
(see ***ISA 18.1 in Detail*** from page ***60***)

Select the internal relays contact (***RCX4*** up to ***RCXn***) and it will be activated simultaneously with the related ***ISA mode***.

Activity

The selection-field ***Activity*** can set the selected internal relays contact (***RCX4*** up to ***E9***), to ***Normally closed*** (closed-circuit current), or to ***Normally open*** (residual-current).

Internal Horn

The selection-field ***Internal Horn*** is providing a few alarm modes for the selected internal relays contact (***RCX4*** up to ***E9***) to the internal horn. You can choose between:

Off	No horn will sound
Continuous	Horn will give an uninterrupted sound
Intermittent 1	Horn will give a short interrupted sound
Intermittent 2	Horn will give a long interrupted sound

Enabled

Enable this parameter to monitor the appropriate supply voltage of ***L1+*** or ***L2+***.

Window/Keyboard

With the parameter ***Window/Keyboard*** enabled, you will get the PSFD signal not only to the yellow status LED's (L1+/L2+) at the key-pad, but also to the assigned signal LED's. The ***L1+*** LED is, independently from your ME 3011 module type, permanently ***assigned*** *to* ***signal 1*** and ***L2+*** is permanently ***assigned*** *to* ***signal 2***.

RXC4 up to E9

You are free to choose any of the three internal relay contacts to provide an error message on power loss. For example, you can choose the contact RXC4 for the power loss of L1+, RXC5 for L2+ and RXC6 for the power failure of L1+ and L2+.
Additional contacts are only available in versions ME 3011CR/DR.

Filter

The parameter ***Filter*** is for de-bouncing of input signals. The duration to accept an input signal can be set stepwise from ***2 ms*** to ***510 ms*** in steps of ***2 ms***.

T on

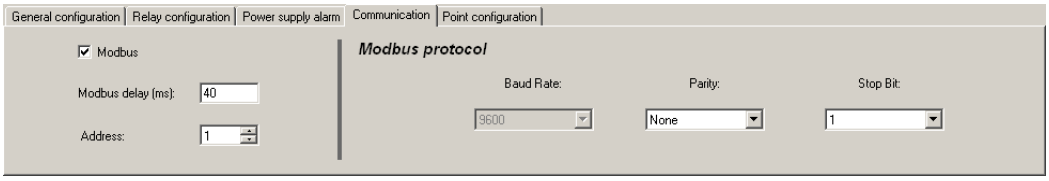
The parameter ***T on*** is for power-up delay of the monitoring signals ***RLFL1/2+***.
This power-up delay can be set stepwise from ***0 ms*** to ***120 s***.

T off

The parameter ***T off*** is for power-down delay of the monitoring signals ***RLFL1/2+***.
This power-down delay can be set stepwise from ***0 ms*** up to ***500 ms***.

Communication

The tab ***Communication*** is used for the configuration of the optionally ***Modbus***.



Picture: 2-3300e Communication

You must ***Send all data to annunciator*** to store the changed parameter inside the module.
If you activate the Modbus protocol you can use ***e.Tool view*** with the module.

In the following chapters, you will find the possible configurations.

Tip: You can find a manual for the *ME 3011 Modbus* and *e.Tool view*.

Modbus

Activate the checkbox ***Modbus***, if your module does provide a ***Modbus*** and you wish to use it.

Modbus delay (ms)

The parameter ***Modbus delay (ms)*** is time for the Modbus duration.
The time can be defined from ***0*** *ms* up to ***9999*** *ms*. Standard is ***40*** *ms*.

Address

The parameter ***Address*** defines the Modbus address for the ME 3011 module.
The address has to be unique for the network.

Baud Rate

The parameter ***Baud Rate*** defines the data communication speed for the Modbus protocol.
It can be selected in 110, 300, 1200, 2400, 4800, ***9600 (standard)*** and 19200 bps (**b**its **p**er **s**econd).

Parity

The parameter ***Parity*** can be set to ***None***, ***Odd*** or ***Even***. A parity bit is a bit that is added to ensure that the number of bits with the value one in a set of bits is even or odd.
Parity bits are used as the simplest form of error detecting code.

Stop Bit

The parameter ***Stop Bit*** is setting the quantity of stop bits.
Stop bits signalize the end of data transmission. You can select ***1*** or ***2*** stop bits.

Important settings for the Modbus protocol

In the case, that you want to use the ***Modbus protocol*** for your device,
You have to consider the following settings and information.

First, check whether the ***interface parameters*** of Modbus Master and Slave correspond.
Compare the parameters from the ***Communication*** tab, with the selected parameters
for ***Speed***, ***Parity*** and ***Stop Bits*** at your connected device.

Select the ***Communication*** tab, select ***Modbus***, to activate the Modbus protocol.

Next, select the tab ***General configuration***.
Activate the two functions ***Logical input*** and ***Event registering.***

The last setting is on the tab ***Point configuration***,
the ***Physical input*** function have to be activated here.

Finally, it is absolutely necessary to clear the ***Eventregister***.

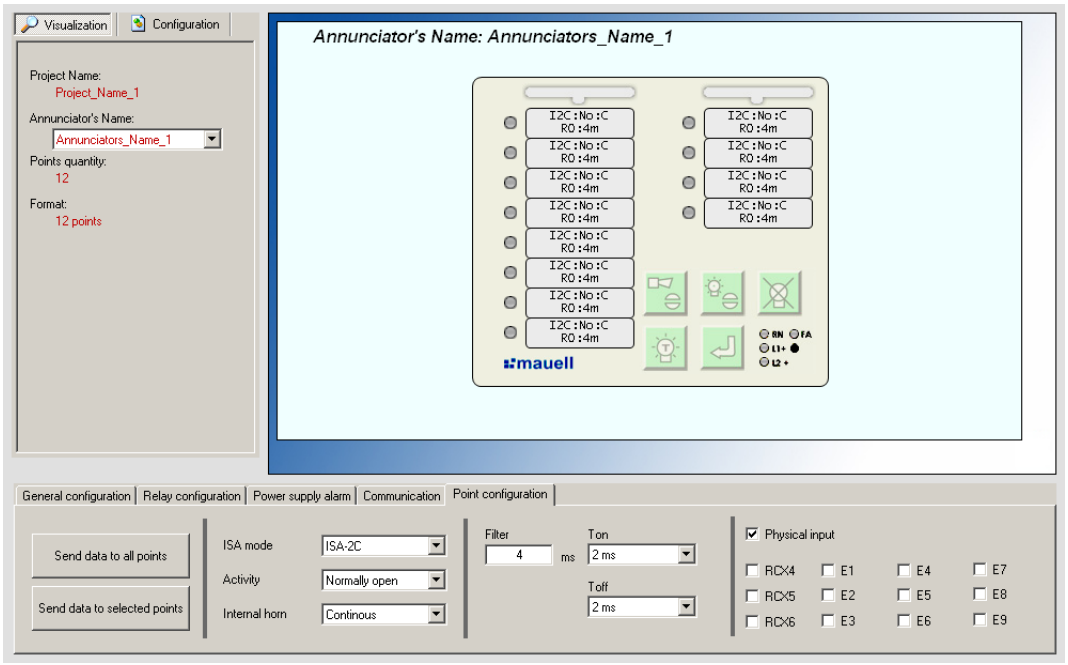
A mouse click to the menu icon  ***Delete Register*** will erase the eventregister.
The deletion will take a few seconds.

If you are having problems connecting the devices,
check the cable connection and the settings made here.

Without these settings, no spontaneous changes in the inputs
will be forwarded to the IEC 60870-5-101/104 protocol interface.

Point Configuration

The ***Point configuration*** is the main part of the ***e.Tool config***.
Here you can configure every signal of the ME 3011 module.



Picture: 2-3400e Point Configuration

You must ***Send all data to annunciator*** to store the changed parameter inside the module.

You will find the signal point configuration in the chapter ***Visual Configuration***.

In the following chapters, you will find the possible configuration parameter.

ISA Mode

The selection-field ***ISA Mode*** is providing a few ISA 18.1 alarm sequences.
Every ISA sequence is providing a unique visual and acoustic display for the PSFD alarm.

ISA-1, ISA-1A, ISA-1B, ISA-2A, ISA-2C, ISA-4A, ISA-4AR, STATE (see appendix)

Select the internal relays contact (RCX4, 5, 6) and it will be activated simultaneously with the related ISA mode.

Activity

The selection-field ***Activity*** can set the selected internal relays contact (RCX4, 5, 6), to ***Normally closed*** (closed-circuit current), or to ***Normally open*** (residual-current).

Internal Horn

The selection-field ***Internal Horn*** is providing a few alarm modes for the internal horn.
You can choose:

- Off No horn will sound
- Continuous Horn will give an uninterrupted sound
- Intermittent 1 Horn will give a short interrupted sound
- Intermittent 2 Horn will give a long interrupted sound

Filter

The parameter ***Filter*** is for de-bouncing signals.
The duration, to accept a signal, can be configured with 2.5 ms steps, from 2.5 ms up to 600 ms.

Filter

The parameter ***Filter*** is for de-bouncing of input signals. The duration to accept an input signal can be set stepwise from ***2 ms*** to ***600 ms***.

T on

The parameter ***T on*** is for power-up delay of the input signals.
This power-up delay can be set stepwise from ***0 ms*** to ***120 s***.

T off

The parameter ***T off*** is for power-down delay of the input signals.
This power-down delay can be set stepwise from ***0 ms*** up to ***120 s***.

Physical input

The parameter ***Physical input*** is for activation of all signal inputs.
If deactivated, no physical signal will have any effect to the module.

RXC4 up to E9

You can choose any of the three internal relay contacts, to provide a contact signal for any alarm. For example, you can choose signal 3, 4, and 5 to switch RXC4, signal 6 to switch RXC5 and the other, to switch RXC5.

Attention!	Remind, that you possibly also configured one or two relays for the Power supply alarm (L1+/L2+)!

Visual Configuration

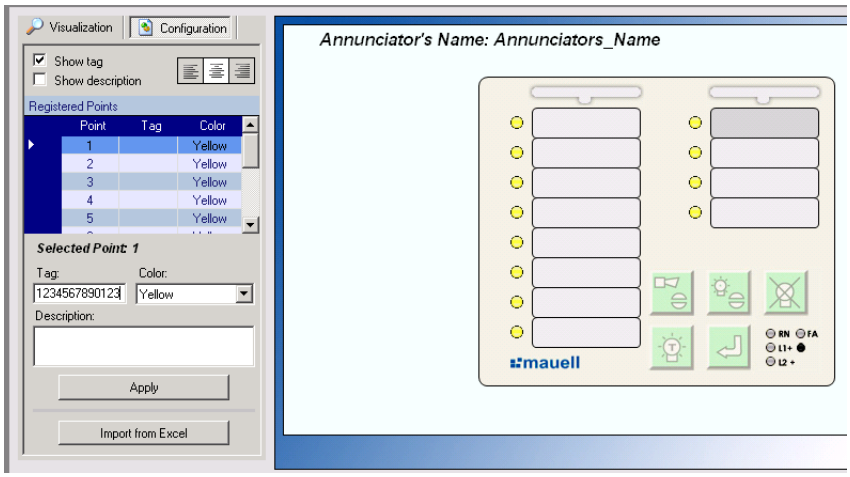
The ***Visual Configuration*** falls in two parts.

First is the ***Configuration of Signal Description*** and
second is ***How to Configure a Signal***.

Configuration of Signal Description

The ***e.Tool config*** is helping you to keep the overview of the signals.

You are able to ***Apply*** a ***Tag***, a ***Color*** and a ***Description*** to any ***Registered*** signal ***Point***.



Picture: 2-2000e Config Apply

Tag for Signals

The text field ***Tag*** can hold up to 13 characters. It will make thinks much easier for you in the future to tag the signal points with a speaking name.
Based on your project, you know best by yourself, what could be an appropriate tag.

Color for Signals

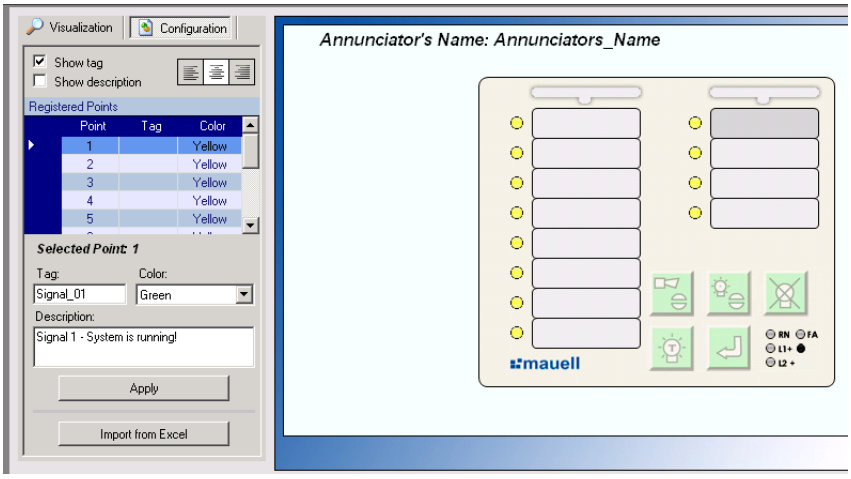
The selection field ***Color*** let you choose a color for the LED visualization in this program.
Some ME 3011 modules can hold different LED colors. Here you can set the point to its actual color.

Description for Signals

The text field ***Description*** can hold more than 256 characters. It will make thinks much easier for you in the future to describe the signal points a little.
Based on your project, you know best by yourself, what could be an appropriate description.
We recommend, not using more than 25 charters.

How to Configure of Signal Description

You just have to load a matching project,
and you can configure the signal description from the module.



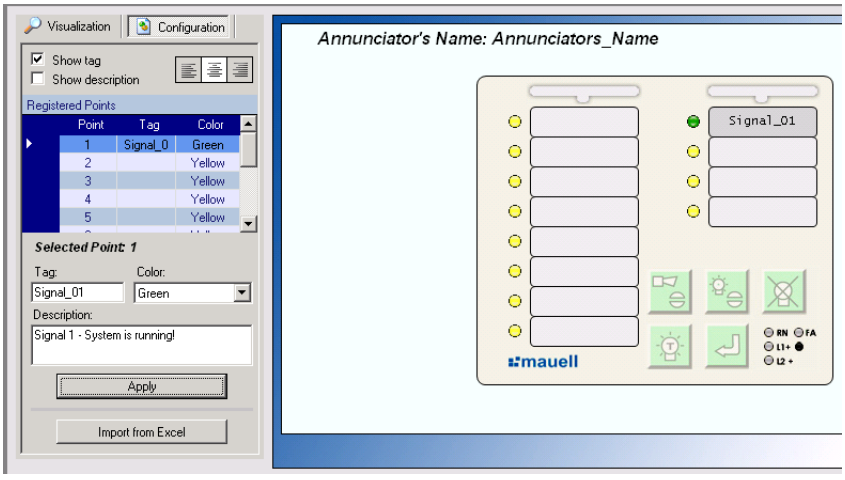
Picture: 2-2001e Config Apply

Select one ***Point*** at the ***Registered Points*** table. The number of points, correlates with the number of signals from the module configuration.

Enter a suitable signal name to the ***Tag*** field. For example ***Signal_01***, for the first signal. Select the LED color from the module signal. Standard is yellow, but some module can have different colors.

Enter a suitable signal specification to the ***Description*** field.
For example ***Signal 1 - System is running***.

Click the button ***Apply*** and the configuration will assume the changes.

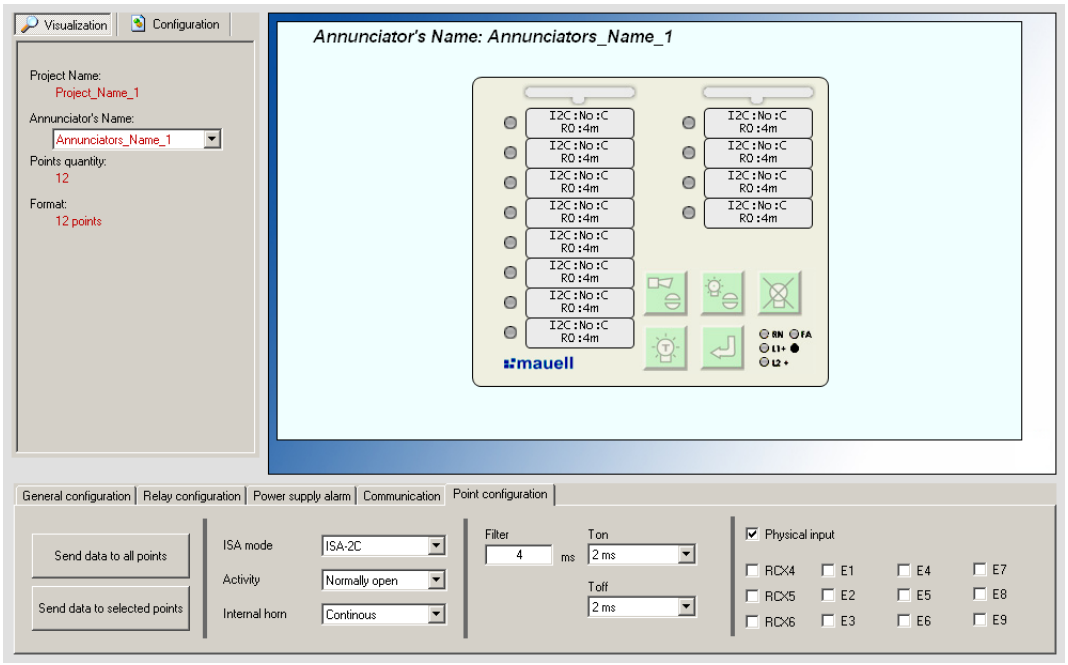


Picture: 2-2002e Config Apply

The module schematic is now showing the configured text and LED color.
Depending on the selection ***Show Tag*** or ***Show Description***,
you will see the tag or description text at the module label.
The label can also be aligned. Standard is centered.

How to Configure a Signal

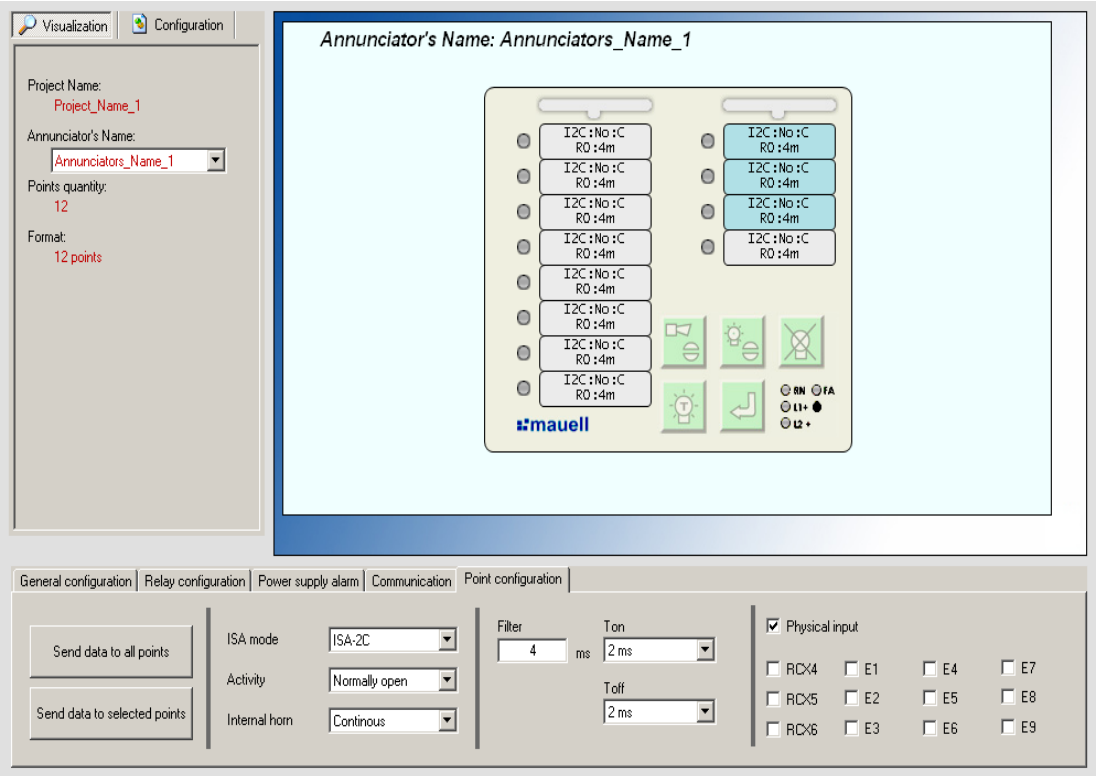
You just have to load a matching project,
and you can configure any signal of the module.



Picture: 2-3400e_PointConfiguration

Select the register ***Point configuration*** and you can see, how any signal of the module is actually configured. If the standard configuration does not comply with your wishes, you are free to edit the parameters.

First thing to do is, to select one or more signals by mouse click.



Picture: 2-3401e PointConfiguration

Second thing is, to adjust the *Point configuration* parameters to your needs.

Than you have to store the configuration to the ***e.Tool config*** database.

Click the ***Send data to all points*** button,
to send the *Point configuration* to all signal points from the module configuration.

Click the ***Send data to selected points*** button,
to send the *Point configuration* only to the selected signal points.

You must ***Send all data to*** *the* ***annunciator*** to store the changes inside the module!

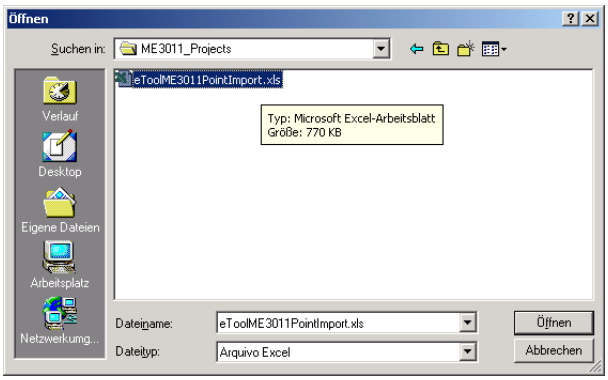
Every single label will show a short configuration info.
Just point with the mouse ***pointer*** to a ***signal*** and you will see a ***Bubble-Help*** window with the selected parameters. Press ***Strg*** on your keyboard, to keep this window open.

Exit the configuration mode by pressing the button 
and your configuration will become active.

Import Signal Description via Spread Sheet

With the ***e.Tool config*** installation, you will also get a ***spread sheet*** file ***eToolME3011PointImport.xls***.
This file is for the easy import of pre-configured signal description.

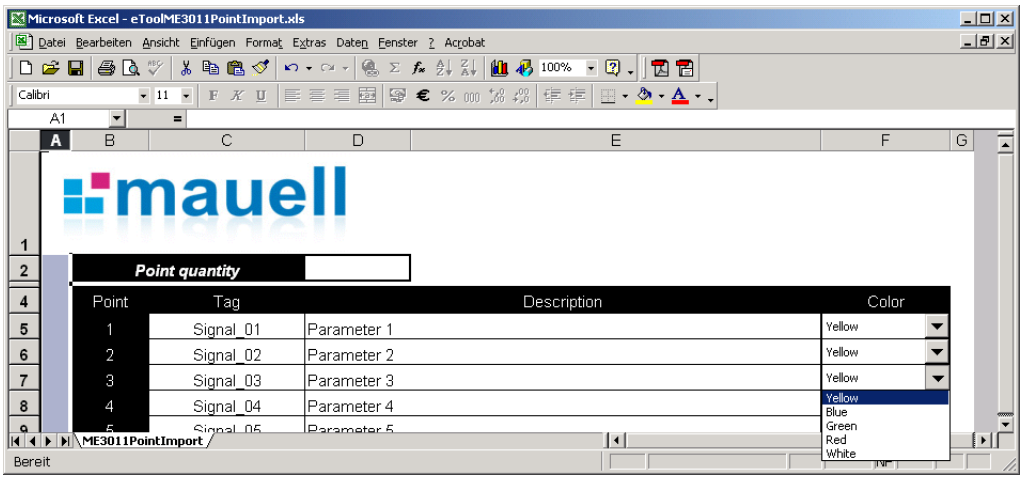
Click the button ***Import from Excel*** to open the window for selecting the desired directory and spread sheet name.



Picture: 2-2003e Import from a spread sheet

Click the button ***Open*** for importing the configuration file.

You will find the following Excel template in the ***e.Tool config*** program directory *(e.g. C:\Program Files\Helmut Mauell\e.Tool ME3011 config)*.

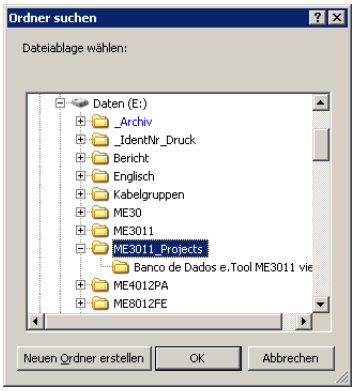


Picture: 2-2004e eToolME3011PointImport.xls file

Use Microsoft Excel 2003 or newer to open and edit the spread sheet.
Save the spread sheet under a new name in your ME 3011 project directory.

Signal-tag export as PDF file

Together with the ***e.Tool config*** installation, you get several PDF files.
These files are needed for the simple export of your signal input tag's.
In the context of the ***Configuration*** you can click to the button ***Export to PDF file***  ,
to display the window, for selecting the target directory of the PDF file.



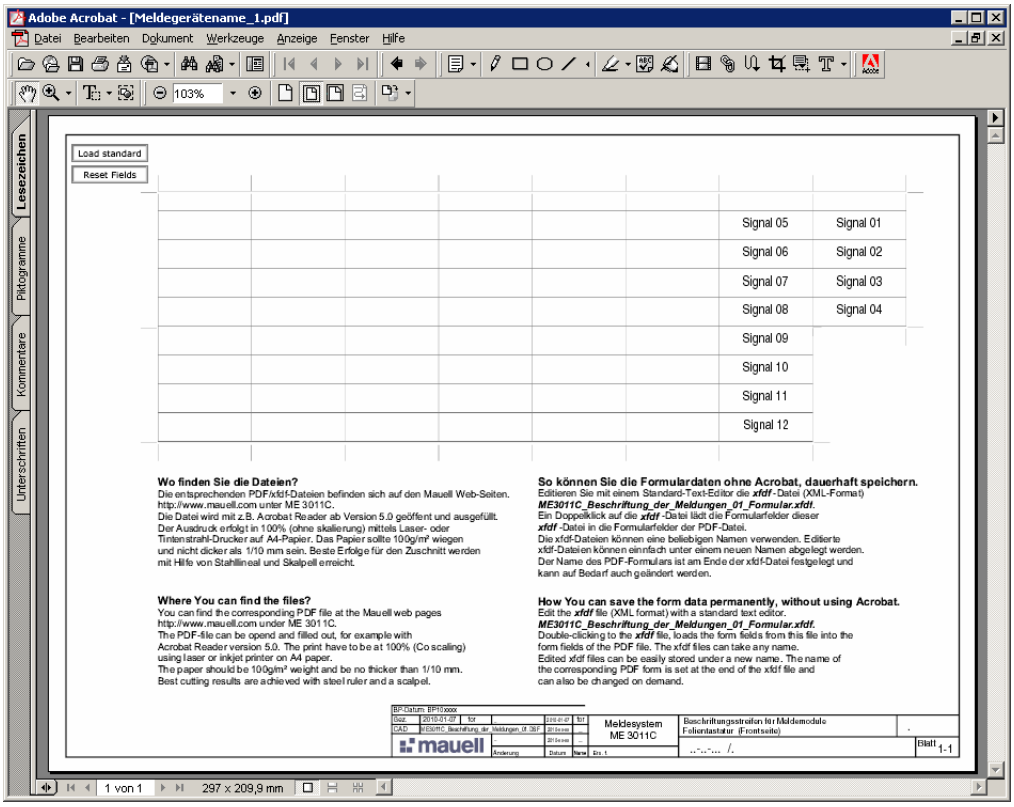
Picture: 2-2006e Export of Signal Tag's

Click to the Button ***OK***, to export the PDF file.

You will find the used templates in the directory of the ***e.Tool config*** program
(e.g. C:\Program Files\Helmut Mauell\e.Tool ME3011 config).

When exporting, the corresponding PDF file is loaded and the signal tags are inserted into the appropriate form fields this PDF file.

This works only if Adobe Acrobat or the free Acrobat Reader is installed on your system.



Picture: 2-2006e PDF Export Acrobat

Then the PDF file will be displayed. The contents of the form fields can be changed before printing. Storing the content or exporting the form data is possible only with Acrobat.
Would you like to save the current state, you only have to print with a PDF-creator in a PDF file.

Some notes on processing and printing the files you find in the file itself.

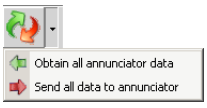
The formatting of form fields and working with ***xfdf*** files is described in the documentation of the ***Adobe Acrobat*** program.

Appendix

In this ***Appendix*** you'll find the paged out parts of the installation program.

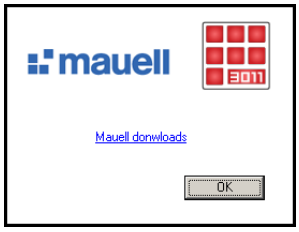
Description of the Toolbar Icons

The Toolbar Icons allow fast access to often used program functions.

	New Project	active	can create a new project
	New Project	inactive	a project is already open
	Open Project	active	can open a project
	Open Project	inactive	a project is already open
	Save Project	active	active project can be stored
	Save Project	inactive	no open project to store
	Close Project	active	close the active project
	Close Project	active	no open project to close
	COM is open	active	communication port (RS 232) is open
	COM is closed	inactive	communication port (RS 232) is closed
	Go Online	active	establish a connection to the module
	Go Online	inactive	module is disconnect
	Enter Config	active	start the configuration modus
	Enter Config	active	start the configuration modus
	Delete Register	active	delete the event register inside the module
	Delete Register	inactive	module is offline or does not have an event register
		active	receive or send a module configuration
	Send Data	inactive	no module is online

Where can I get help?

Via the menu item ***Help*** you can choose the command ***Manual*** to load a window for the ***downloads***, available from Mauell.



Picture: 1-4100e Mauell Downloads

Click on the link *Mauell downloads*, to view the web side in you web browser.

About e.Tool ME3011 config

Via the menu item ***Help*** you can choose the command ***About*** to load a window for information ***About*** your ***e.Tool config*** installation.

Picture: 1-4200e About

This information window can be very useful for service requests.

ISA 18.1 in Detail

The ***Digital Alarm Annunciator*** can be configured for 16 signaling sequences.
The most important are the following 7:

ISA-RP 18.1/(ISA-S18.1)
ISA 1/(A), ISA 1A/(A-5),
ISA 1B/(A-4), ISA 2A/(R-8),
ISA 2C/(M) default
ISA 4A/(F1A), ISA 4AR/(F1M)
etc.

Other sequences can be implemented on request.

Alarm Sequences

ISA	Normal	Alarm	Acknowledge		Back to Normal	Back to Normal before Acknowl.	Acknowledge		Reset light
			Sound	Light			Sound	Light	
ISA 1									
ISA 1A									
ISA 1B									
ISA 2A									
ISA 2C (default)									

Table: Alarm Sequences

Sequence primary Signal (1st Event)

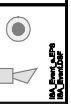
ISA	Normal	Alarm		Acknowledge		Back to Normal		Back to Normal before Acknowledge		Acknowledge		Reset light
		First	Subseq.	First	Subseq.	First	Subseq.	First	Subseq.	First	Subseq.	
ISA 4A												
ISA 4R												

Table: Sequence primary Signal (1st Event)

Legend

 Horn Off

 Horn On

 LED Off

 LED On – No Flashing

 LED Normal Flashing

 LED Slow Flashing

How-To add a new Language

You can find the configured languages in the program directory (e.g. ***C:\Program Files\Helmut Mauell\e.Tool ME3011 config***\). First file is the language listing ***ListID.txt.***
The file is a dictionary for the existing languages.
The information meets the amount of existing languages, and its respective names.

The standard ListID.txt is looking like this:

4
Português
English
Español
Deutsch

The first line of the ListID.txt (4) is showing the amount of existing languages,
for this installation. The following lines are showing the four names of the existing languages.

Every language name stands for a separate language file with the extension ***.txt*** (e.g. English.txt).

You can not modify the sequence and amount of the lines in any Language.txt file,
because each line corresponds to a text in the ***e.Tool config*** software,
but you can change every text in the line.

To add a new language, it is necessary to edit the ListID.txt file.
You also have to create a corresponding language.txt file.

The following example is showing you how to include the Français language.

Modifying the archive ListID.txt

Be sure to backup the current ListID.txt file first. Use a simple editor like notepad,
to change the file. Increase the number of languages from four to five and
write the name of the new language in a new last line.

old	***new***
4	**5**
Português	Português
English	English
Español	Español
Deutsch	Deutsch
	Français

Save the file to save the changes.

Attention: The alteration of the ListID.txt must be made carefully.
One error may influence the software in a wrong way.

Add a new language.txt

According to our example, you can take the english.txt file and save it as Français.txt.
The name of the language.txt has to be the same like the name in the ListID.txt.

Now you have a Français.txt with the English translation. Just change the English lines to French.
Translated text should not be longer than the replaced text.

After a restart from ***e.Tool config*** you can select the new translation.

Known Bugs and Workarounds

Every software has some bugs, so does ***e.Tool config***. We are constantly improving our software but sometimes we still have some minor errors. Please report bugs or give us your suggestions to improve this software.

Software Bug

Before you report a bug, there are two things you can do.

- Make sure that you have installed the newest program release.
  It's always good to upgrade to the latest version.
- Maybe that bug has already been reported.
  Check the list of known bugs for similar entries.

Please send us the bug information, precise as possible:

- A general description of the bug.
  What did you expect to happen and what did actually happen?
- Whether and how can you reproduce it?
- How often does the bug occur?
- Version of your operating system and other software.

If you want to report a bug or cannot find your questions answered in the online resources, please contact our support. Once the ticket is created, you can use your favourite email program for the communication.

09.03.15

Version History

This version history is documents the main extensions to ***e.Tool config***.

2015-03-09 – 4.07.3

Compared to version 4.07.2, the import older configurations were added.

2015-01-20 – 4.07.2

The ***ME 3011CR/DR*** system has been added. A group alarm module can now be used.
The tab ***Relay Configuration*** has been added.
The ***ME 3011C+/D+*** system has been added. For ***RLFLn+*** and the ***Point Configuration*** a T*on*-/T*off*-delay time was introduced. Some minor errors have also been fixed in the configuration interface.

2012-03-01 – 4.05.1

Compared to version 4.05.1, the description of the Modbus configuration was added.

2011-09-12 – 4.04.1

Compared to version 4.03.1 only a few small things were changed.
The behaviour of the user accounts and the password prompt has been changed.
Some texts have been adapted to the surface.
The PDF output signal of texts was made possible.

2009-11-19 – 4.03.1

This document is the first version of the ***e.Tool config*** manual.

Glossary

.NET

.NET is a technology which combines several operating system functions and provides them at a central point. It is supposed to replace obsolete technologies or procedures of COM or API calls in program codes. .NET is a Microsoft framework.

Configuration

A configuration comprises all settings which can be modified within a module by means of the configuration software.

Database

The database is holding the ME 3011 configuration in separate file.

GUI

Grafic **U**ser **I**nterface.

ISA 18.1

The Instrumentation, Systems, and Automation Society (ISA) is a global, nonprofit organization for setting the standards for automation. The purpose of the ISA 18.1 standard is to establish uniform annunciator terminology, sequence designations, and sequence presentation. This standard is intended to improve communications among those that specify, distribute, manufacture, or use annunciators.

ME 3011

The name stands for the compact **M**auell **E**lektronik Alarm Indication System family.

Menu Item

Each menu provides a number of commands.

MDAC

Microsoft Data Access Components (MDAC) 2.8 contains core Data Access components such as the Microsoft SQL Server OLE DB provider and ODBC driver.

Modbus

Modbus is a serial communications protocol for use with its programmable logic controllers. It is a common industry standard for communications protocol, and is the commonly available option of connecting industrial electronic devices. ME 3011 uses Modbus RTU for a compact, binary transmission.

Offline

means for the module configuration that the user determines when the changes are transmitted to the module. A physical connection to the system is not required for this type of configuration (see also Online).

Online

means that the configuration can be transmitted to the module. This type of configuration requires a physical and logical connection between ***e.Tool config*** and the ME 3011 module to be configured (see also Offline).

OSD

On **S**creen **D**isplay.

PDF

The Portable Document Format is a platform independent data format for electronic documents. PDF is an open standard IEC 32000-1:2008.

PSFD

Power **S**upply **F**ault **D**etector is optionally and for monitoring the power supply.
RLFL is the **R**e**L**lays-**F**a**L**t output.

RLFL1+

See PSFD.

RLFL2+

See PSFD

RXC4

Is one of the three internal standard relay contacts. You can bind almost any internal or external signal to this contact. It can be used as a collective annunciation (group alarm) for this signals.

RXC5

See RXC4

RXC6

See RXC4

Start

Windows button for program access by the user.

Simulation

Simulates physical inputs.

Window Title

The text which appears in the window's upper bar is the title of the window. This text gives information about the function and the reference of the window.

Index

Contact Info

POWER SYSTEMS

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