

Conference for Training Centers

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Heidelberg

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Future of ETS4 after release 2010

ETS4 facts since release

- Released ETS- and related tool versions

ETS planning 2011, 2012

- Outlook on still to be realized functionality
 - RF Integration
 - Modular Extension
 - Languages

Training centre related issues

- ETS4 functionality for training centers

ETS4 “hidden features”

- The “not so obvious” ETS4 improvements



ETS4 facts since release

Released ETS- and related tool versions

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Released ETS- and related tool versions

1. **KNX Manufacturer Tool 4.0** → released 12/2009
a) Version 4.0.1 → Q1/2011
 - Improved certification workflow & bug correction
 - Update to newest ETS4 development tools (Visual Studio)
 - Integration of new required functionality

This version becomes mandatory for KNX product certification from 06/2011!
2. **KNX ETS 4.0** → released 10/2010
a) 4.0.1 Update → released 11/2010
 - Improvements/ Corrections
 - Improved in-place editing (copying/pasting)
 - Detection of compressed “program files” folder during the installation
 - Full list <http://www.knx.org/knx-tools/ets4/features/#history>
3. **Falcon 2.0** → release in 02/2011
This falcon version is already part of published ETS4.0;
Separate release is only a formal aspect: will be free of license fees
Falcon supports the same operating systems as the ETS4.
 - Improvements/ Corrections: will be published on <http://www.knx.org/knx-tools/falcon/description/>



ETS planning 2011, 2012

Outlook on still to be realized functionality

ETS planning 2011, 2012

Outlook on still to be realized functionality

The current schedule foresees two (2) planned ETS4 updates for 2011.

1. **KNX ETS 4.0.2** **→ Q1/ 2011**

a) Improvements/ Bug Corrections

- improved behavior on ETS tool language versus languages of product databases
- Dynamic Folders, more detail for the results (e.g. subgroups)
- Takeover group address name (additionally to description) for a GO description
- ...

2. **KNX ETS 4.0.x** **→ Mid 2011**

a) Languages

Depending on the speed of translation done by external translators (national groups or others), 5...10 new languages will be published (Dutch, French, Spanish; Italian; ...).

b) Modular Extension

Integration of specific ETS4 functionality as split & merge; extended copy; device editor; **extended unload (training centre use case)**

3. **KNX ETS 4.1** **→ 2012**

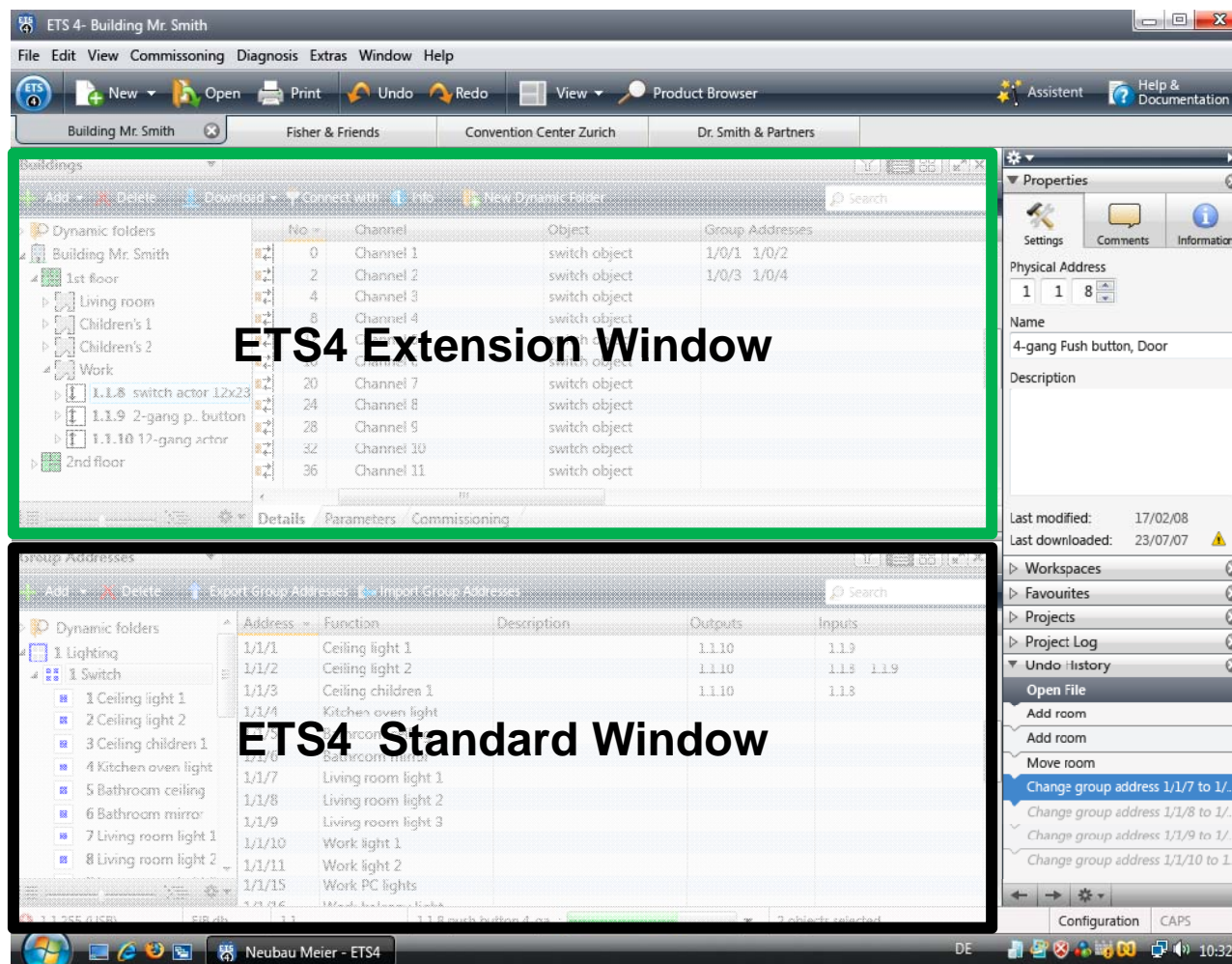
a) RF Integration

ETS4 availability with RF depends on the investigation results for an proper RF integration into ETS4.

ETS planning 2011, 2012

Outlook on still to be realized functionality

ETS Modular Extension



The screenshot shows the ETS4 software interface for 'Building Mr. Smith'. The 'ETS4 Extension Window' (top) displays a table of channels and objects. The 'ETS4 Standard Window' (bottom) displays a table of group addresses and their functions.

ETS4 Extension Window Table:

No.	Channel	Object	Group Addresses
0	Channel 1	switch object	1/0/1 1/0/2
2	Channel 2	switch object	1/0/3 1/0/4
4	Channel 3	switch object	
8	Channel 4	switch object	
16	Channel 5	switch object	
20	Channel 7	switch object	
24	Channel 8	switch object	
28	Channel 9	switch object	
32	Channel 10	switch object	
36	Channel 11	switch object	

ETS4 Standard Window Table:

Address	Function	Description	Outputs	Inputs
1/1/1	Ceiling light 1		1.1.10	1.1.9
1/1/2	Ceiling light 2		1.1.10	1.1.8 1.1.9
1/1/3	Ceiling children 1		1.1.10	1.1.8
1/1/4	Kitchen oven light		1.1.10	1.1.8
1/1/5	Bathroom mirror			
1/1/7	Living room light 1			
1/1/8	Living room light 2			
1/1/9	Living room light 3			
1/1/10	Work light 1			
1/1/11	Work light 2			
1/1/15	Work PC lights			



Training centre related issues

ETS4 functionality for training centers

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Multiple Unload

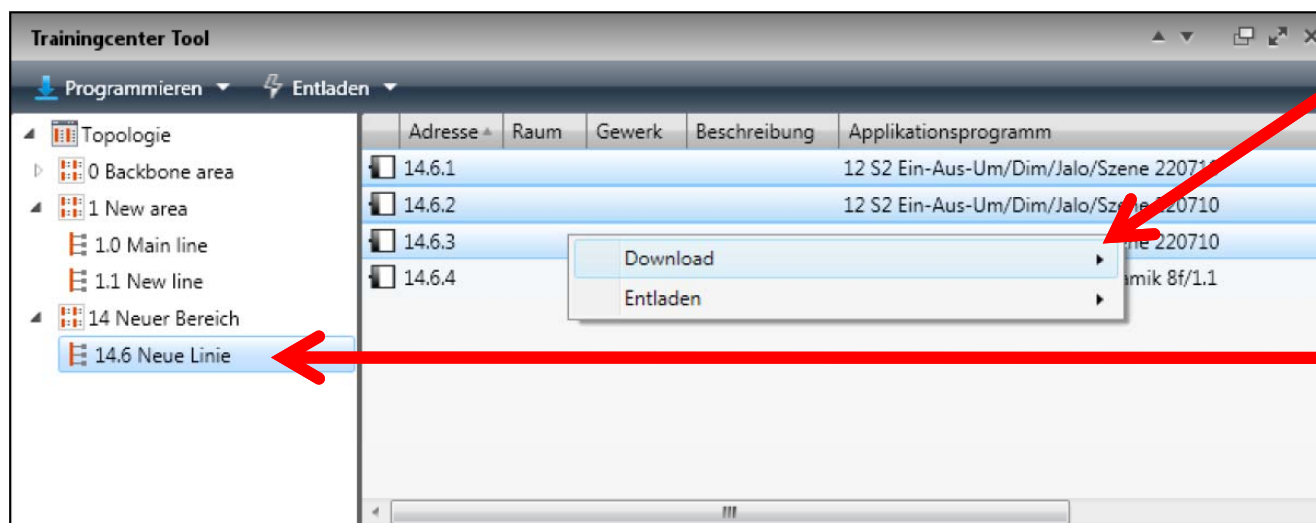
Issue/ Situation

ETS4 only allows unloading device per device and only by pressing the program button on the device. This prevents from devices after unload without physical address but of which the programming button is no longer accessible (e.g. in closed ceilings).

→ TC needs multiple unload of several devices/ entire areas or lines in one go as an standard use case after the end of training

Solution

ETS4 allows - with an upcoming modular extension - to perform this functionality explicitly.



Same sub – menus as for ETS4:

- Download
- Unload

Selection of entire KNX line

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Device Editor

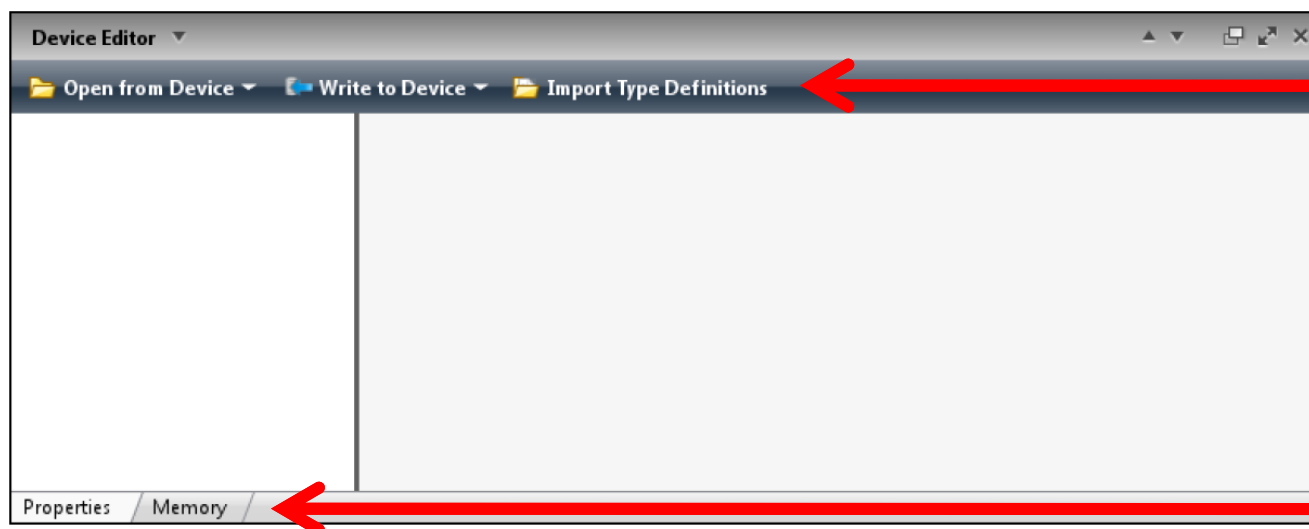
Issue/ Situation

ETS4 on purpose does not contain Device Editor functionality as previously offered as an extra program under ETS 3 to view KNX device data.

→ TC may want to read out special device data.

Solution

ETS4 allows - with an upcoming modular extension - to perform this functionality explicitly.



*Load/ Save to File ;
Update Property Definition File*

Property/ Memory Reader or Editor

ETS4 “Hidden Features”

The “not so obvious” ETS4 improvements



ETS4 “hidden features”

“not so obvious” ETS4 improvements

Short online demonstration of useful functionality. Some of them are also described on KNX web site ; ETS4 for experts (<http://knx.org/>)

User Interface

Windows Explorer Behavior

→ navigate with mouse double-clicks

Links & More

→ faster finding of objects and group links

Parameters & Default Settings

→ track parameter changes

Project Creation

To Do's

→ easy tracking and viewing of self defined to-do's

Documents

→ add any project related documents (e.g. CAD, manual)

Data Base

Server Repository

→ team projects collaboration (“who works on what”)

Monitoring

Capture & Filter

→ view what you really need



**Thanks for your
Attention!**