

How to flash NBTevo with E-Sys.

You will need E-Sys 3.30 or upper and **Full** PSZD data 18-11 and upper.

Here is 2011 F20 118d with CIC , which would like to change it to NBTevo ID6.

We need to know some important things before start of retrofitting.

Lets open <http://realoem.com> and select

F20 2010 – 2015 / Body 5d / 118d /EUR / 07-2011 / LHD

Enter your BMW Serial Number (**last 7 digits of your VIN**) OR use the search options below.

Serial Number:

Catalog: 02/2019

PART NR APPLICATION SEARCH:

Product:	Series:	Body:	Model:	Market:	Prod Month:	Engine:	Steering:
Car	1' E81 (2006 — 2011)	5 doors	114d	EUR	2010	N47N	Left hand drive
Motorcycle	1' E87 (2003 — 2007)		114i	IND	07/2010		Right hand drive
	1' E87 LCI (2006 — 2011)		116d		12/2010		
	1' E88 (2006 — 2013)		116d ed		2011		
	1' E82 (2006 — 2013)		116i		01/2011		
Catalog:	1' F20 (2010 — 2015)		118d		02/2011		
Current	1' F20 LCI (2014 — 2019)		118dX		03/2011		
Classic	1' F21 (2010 — 2015)		118i		04/2011		
	1' F21 LCI (2014 — 2019)		120d		05/2011		
	1' F52 (2015 — 2019)		120dX		06/2011		
	2' F22 (2012 — 2017)		125d		07/2011		
	2' F22 LCI (2016 — 2019)		125i		08/2011		
	2' F87 M2 (2014 — 2017)		M135i		09/2011		
	2' F87 M2 LCI (2016 — 2019)		M135iX		10/2011		
	2' F23 (2014 — 2017)				11/2011		

You Have Selected: 1' F20 BMW 118d. Type Code: 1C11

We will see in the bottom - 1' F20 BMW 118d. Type Code: **1C11**

We need to change it to compatible with NBTevo ID5 / ID6

How to find it?

Easy. Let's come back to RealOem.com website.

Select F20 LCI / Body 5d / 118d / EUR / 07-2018 / LHD

Enter your BMW Serial Number (**last 7 digits of your VIN**) OR use the search options below.

Serial Number:

Catalog: 02/2019

PART NR APPLICATION SEARCH:

Product:	Series:	Body:	Model:	Market:	Prod Month:	Engine:	Steering:
Car	1' E81 (2006 — 2011)	5 doors	114d	EUR	01/2018	B47	Left hand drive
Motorcycle	1' E87 (2003 — 2007)		116d	IND	02/2018		Right hand drive
	1' E87 LCI (2006 — 2011)		116d ed		03/2018		
	1' E88 (2006 — 2013)		116i		04/2018		
	1' E82 (2006 — 2013)		118d		05/2018		
	1' F20 (2010 — 2015)		118dX		06/2018		
Catalog:	1' F20 LCI (2014 — 2019)		118i		07/2018		
Current	1' F21 (2010 — 2015)		120d		08/2018		
Classic	1' F21 LCI (2014 — 2019)		120dX		09/2018		
	1' F52 (2015 — 2019)		120i		10/2018		
	2' F22 (2012 — 2017)		125d		11/2018		
	2' F22 LCI (2016 — 2019)		125i		12/2018		
	2' F87 M2 (2014 — 2017)		M135i		2019		
	2' F87 M2 LCI (2016 — 2019)		M135iX		01/2019		
	2' F23 (2014 — 2017)		M140i		02/2019		

You Have Selected: 1' F20 LCI BMW 118d. Type Code: 1S51

And you will see - 1' F20 LCI BMW 118d. Type Code: **1S51**

That's all we need.

You can use same trick with your car. F10 / F20 / F30 / F15 and etc.

All you need to understand, that you need to select same car as your, but in LCI body.

I hope you already installed E-Sys, your Psdzdata is **full** and already unpacked and placed to DATA folder, which E-Sys used.

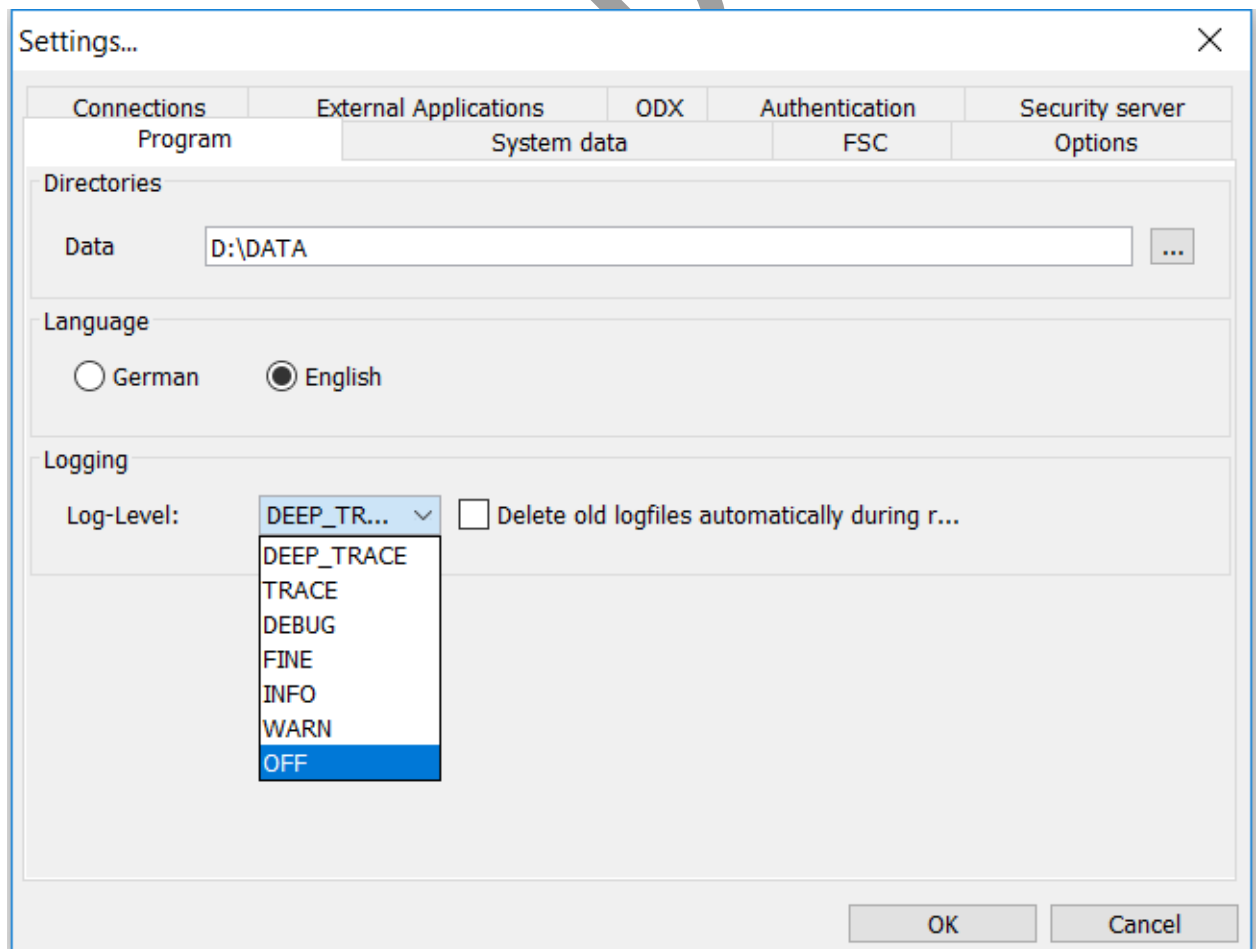
Now we need to do specify settings for E-Sys , that should be made before start working with it.

All program and user settings can be modified in the menu „Options / Settings“.

Global settings are specified in the tab „Program“

The following settings can be made:

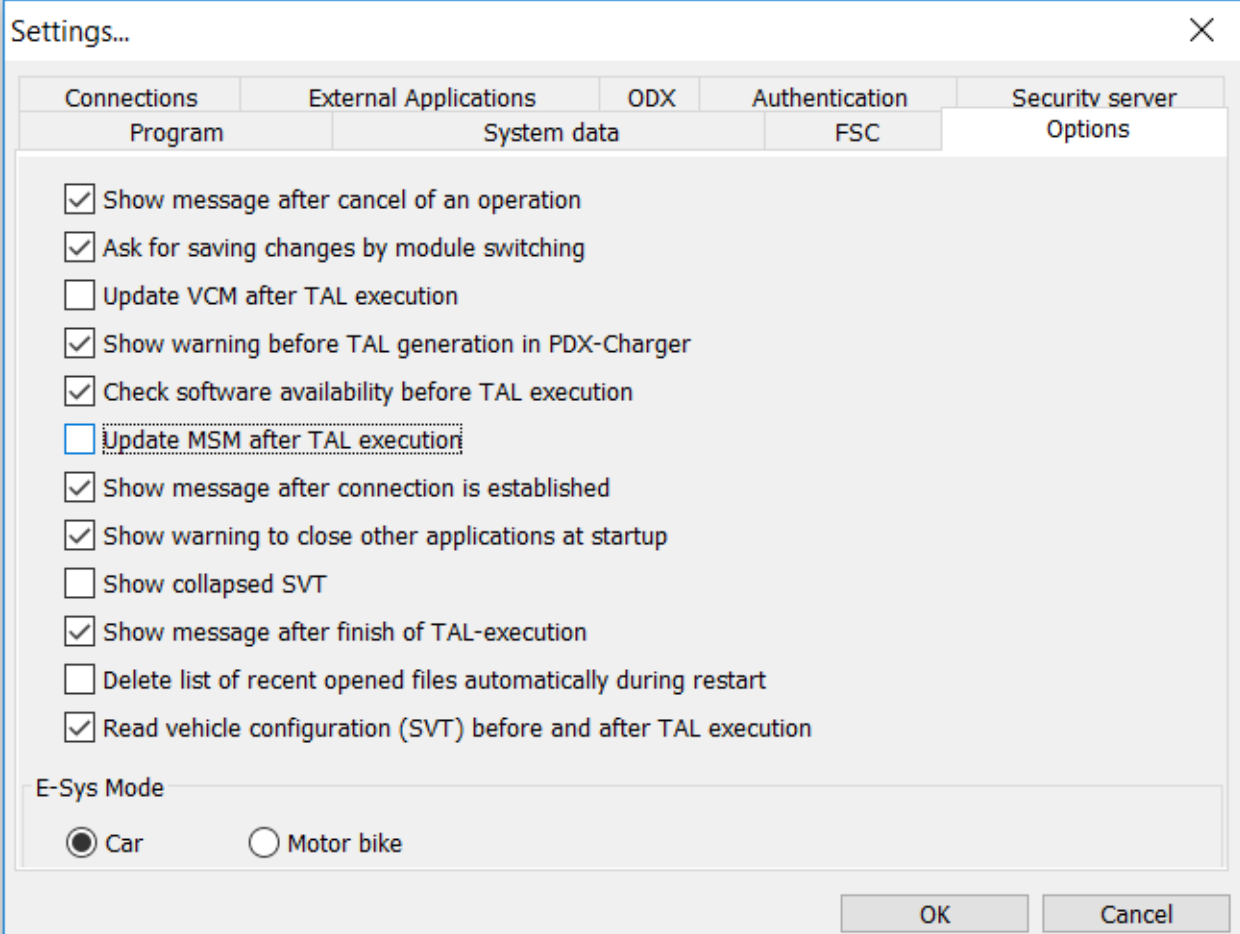
- „Directories“: Defines the path for the data folder in which E-Sys data will be stored. This folder will be referred to as <E-Sys_data> in the following sections of this document. The folder <ESys_data>/psdzdata is the location where ODX data is stored.
- „Language“: Switches the E-Sys GUI from German to English
- „Logging“: Sets the log level for E-Sys. You can choose NONE.



Options

The following settings should be found and changed on the „Options“ tab :

- **„Update VCM after TAL execution“:** Defines whether the VCM (Vehicle Configuration Module) will be updated automatically after TAL execution. By doing this FA, FP, I-Step and SVT will be written to the VCM module (currently in the ZGW) and FA and I-Step will be written to VCM backup module (currently in the CAS) after TAL execution. With no CAS available VCM update will cause timeout errors!
- **„Update MSM after TAL execution“:** Defines whether the MSM (Master Security Module) will be updated automatically after TAL execution. MSM update transfers transport keys for all CSM-ECUs (Client Security Modules) to the MSM (currently in the ZGW) and triggers distribution to the CSMs. All affected ECUs are determined by reading data from the VCM in advance.



Settings...

Connections	External Applications	ODX	Authentication	Security server
Program	System data	FSC	Options	

- ☒ Show message after cancel of an operation
- ☒ Ask for saving changes by module switching
- ☐ Update VCM after TAL execution
- ☒ Show warning before TAL generation in PDX-Charger
- ☒ Check software availability before TAL execution
- ☐ Update MSM after TAL execution
- ☒ Show message after connection is established
- ☒ Show warning to close other applications at startup
- ☐ Show collapsed SVT
- ☒ Show message after finish of TAL-execution
- ☐ Delete list of recent opened files automatically during restart
- ☒ Read vehicle configuration (SVT) before and after TAL execution

E-Sys Mode

☒ Car ☐ Motor bike

OK Cancel

You need to uncheck both to save your original VO in VCM.

Open Connection

Target

Main series: All Connection type: All

TargetSelector: Project=F020_18_07_549_V_004_003_000, VehicleInfo=F020_DIRECT

TargetSelector: Project=F020_18_11_531_V_004_002_000, VehicleInfo=F020

TargetSelector: Project=F020_18_11_531_V_004_002_000, VehicleInfo=F020_DIRECT

TargetSelector: Project=F025_18_07_530_V_004_001_000, VehicleInfo=F025

TargetSelector: Project=F025_18_07_530_V_004_001_000, VehicleInfo=F025_DIRECT

TargetSelector: Project=F025_18_11_520_V_004_002_000, VehicleInfo=F025

TargetSelector: Project=F025_18_11_520_V_004_002_000, VehicleInfo=F025_DIRECT

TargetSelector: Project=F056_18_07_545_V_004_000_001, VehicleInfo=F056

Interface

☐ Connection via bus: UNKNOWN unknown

☒ Connection via gateway URL: tcp://127.0.0.1:6801

☐ Connection via ICOM/D-CAN: tcp://127.0.0.1:52410

☐ Connection via ICOM/Ethernet: tcp://127.0.0.1:50160

☐ Connection via VIN: No ZGW available Refresh

Number of available vehicles:0


Vehicle-specific parameter (optional)

☒ Series, I-step (shipment) F020 F020-18-07-500

☐ Read parameters from VCM

Connect Cancel

E-Sys Error

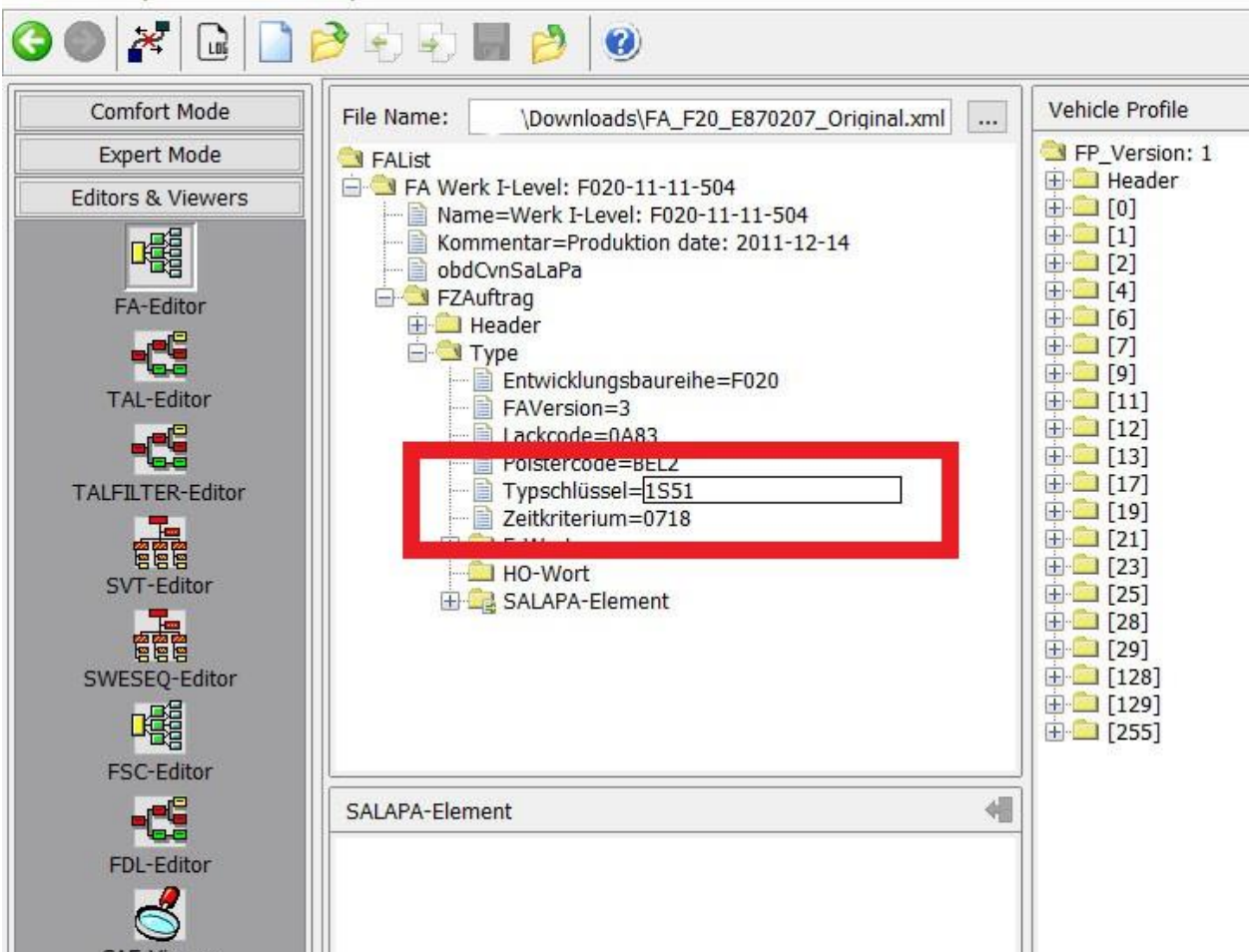
 Connection check failed.
Gateway/ECUs are not correctly connected or not responding.
However Functions using the ODX-Data can be used. [G188]

OK Details >>

Press **OK**

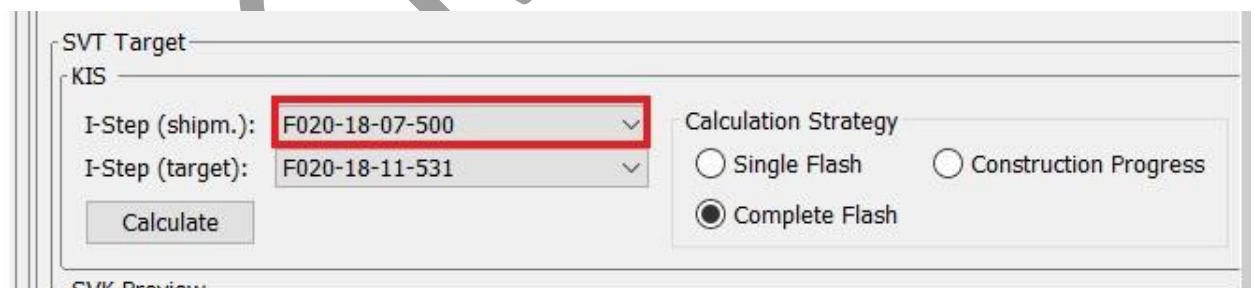
Edit FA to match NBT EVO

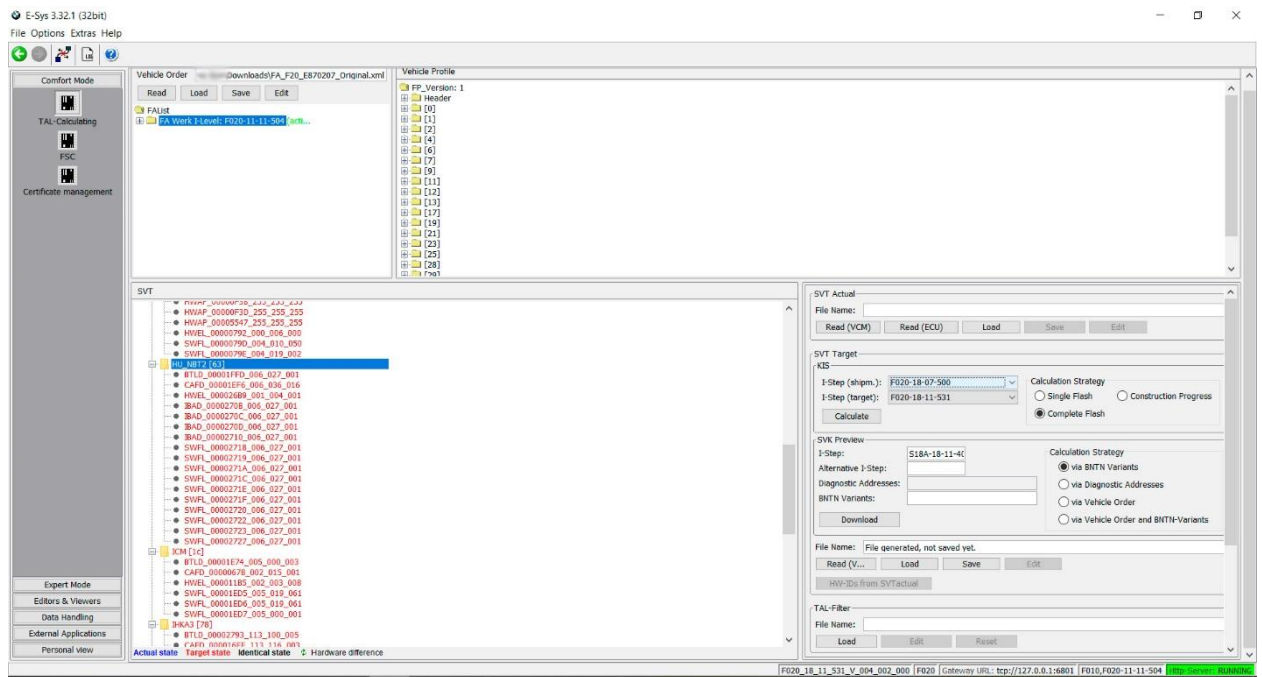
Typschlüssel and Zeitkriterium.



Select I-Step shipment in SVT target.

18-07 it's NBTevo ID6 state.





Now you can save that SVT as your shortVIN_NBTevo.xml

So, you have your calculated SVT matched to car and now we need to connect to car.

Open Tal-Calculating in Comfort mode.

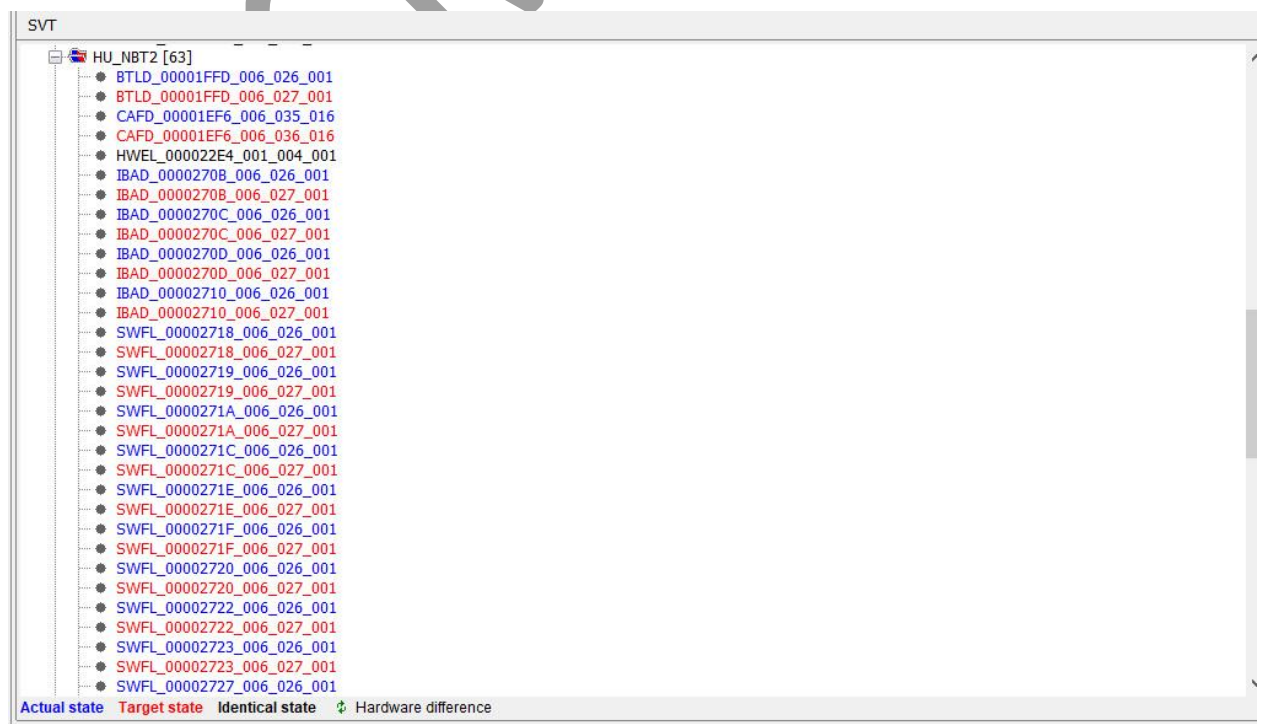
Load your FA by Read button.

Read Actual in SVT Actual menu.

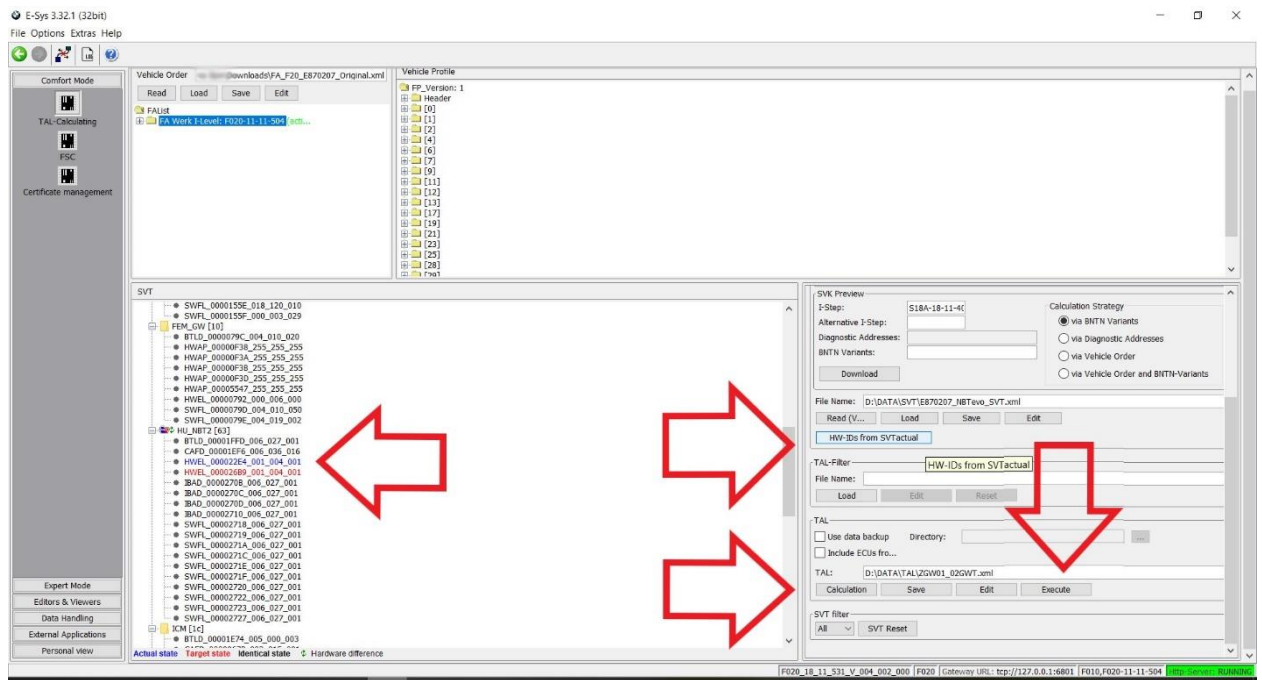
Load your calculated before SVT as SVT Target.

Click button HW-ID's from SVT actual. (It's important!)

It should looks like that :

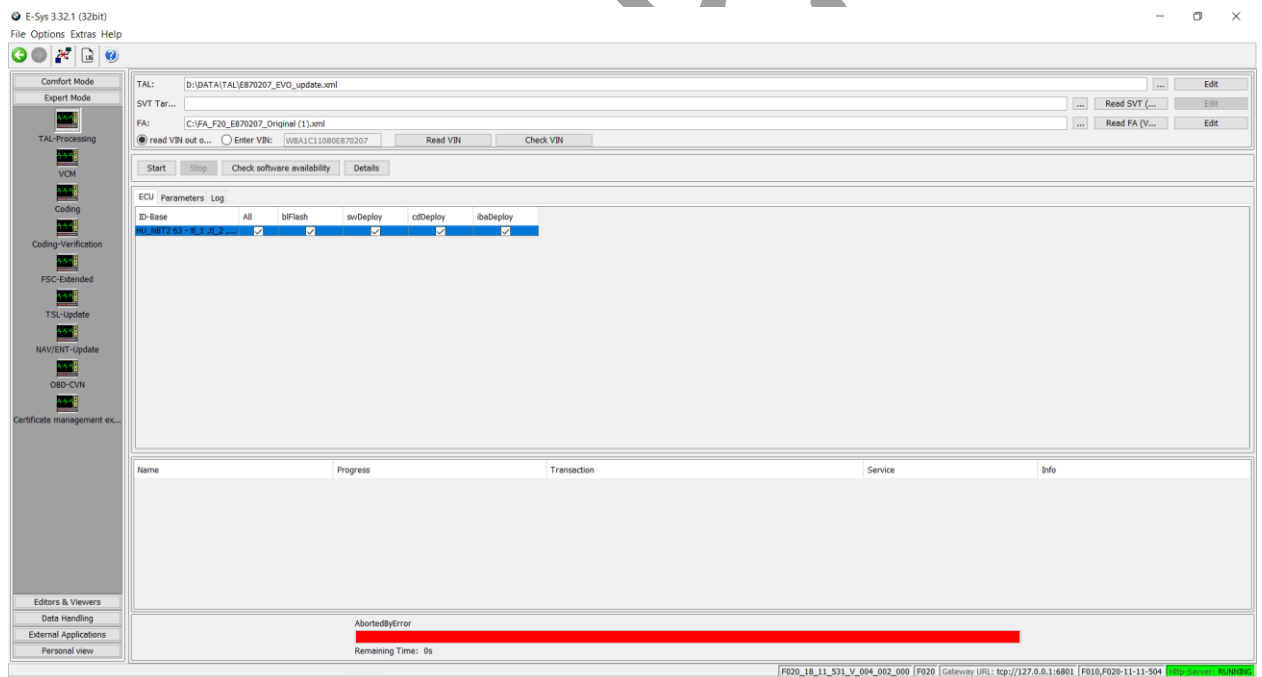


Click Calculation button in TAL menu. Save it.



If you already saved your FA and named it you can click button Execute in TAL section.

Tal processing.



Checkboxes : bFlash, swDeploy , cdDeploy , iaDeploy should be selected.

Now you can check software availability and if you haven't missing parts of SW – you can start flashing by pushing Start button.

FSCMAP.com