

Load and import useable FSC on any KAFAS2 ECU

Background

When I first started exploring the KAFAS2 retrofit one of my biggest worries was how to get all 3 FSC codes loaded and accepted without having to spend another £300 buying them for my VIN. There is a lot of misinformation floating around the forums with people saying that you can't update the ECU as the FSC codes will drop and they won't work as there is VIN checking or whatever in newer versions of the KAFAS2 software. This is complete rubbish. Today after a lot of research I received a second KAFAS2 ECU in the post. I bought this as a test module to prove or disprove whether you can load any FSC codes from any VIN into the ECU. As my current KAFAS2 is working perfectly with 3 FSC codes preset, loaded and accepted from the donor vehicle I wanted a test unit so I didn't burn my FSC'S. I found a 2016 ECU for £40 and it arrived today.

I got to work straight away.

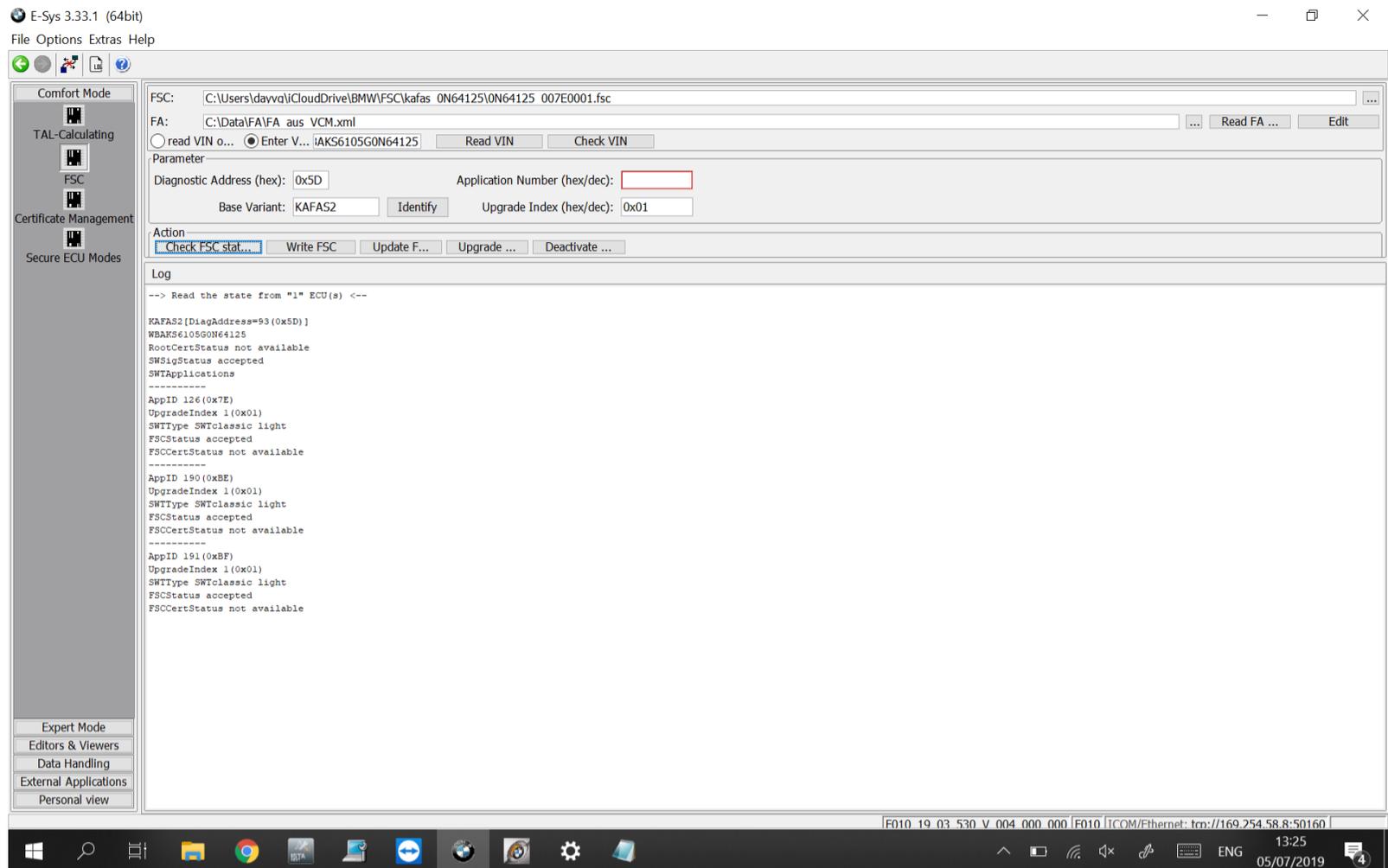
Step 1

I plugged the unit into the car, flashed up E-Sys and found the ECU. I injected the CAFD as it was missing as it had come from an F15.

Step 2

Check FSC status.

Load up the FSC tab from the comfort section of E-Sys and put 0x5D in the address box as below, press identify and KAFAS2 should self populate in the base variant box. Then simply press Check FSC Status. The picture below is to show how it should look. I didn't take a screenshot of the FSC when I first started but there were only 2 FSC present, 7E and BE. WBAHT720405F59814 is the VIN if you want to check.



Step 3

I calculated a TAL and flashed the ECU to the latest I-Level, I have 19/03 data.

Step 4

After the flash I decided that I would attempt to load the FSC from my current KAFAS2 as it came with all 3 FSC. Here comes the fun bit as it disproves everyone's theory about needing emulators and expensive OEM FSC codes for you VIN.

FSC Loading

Step 1

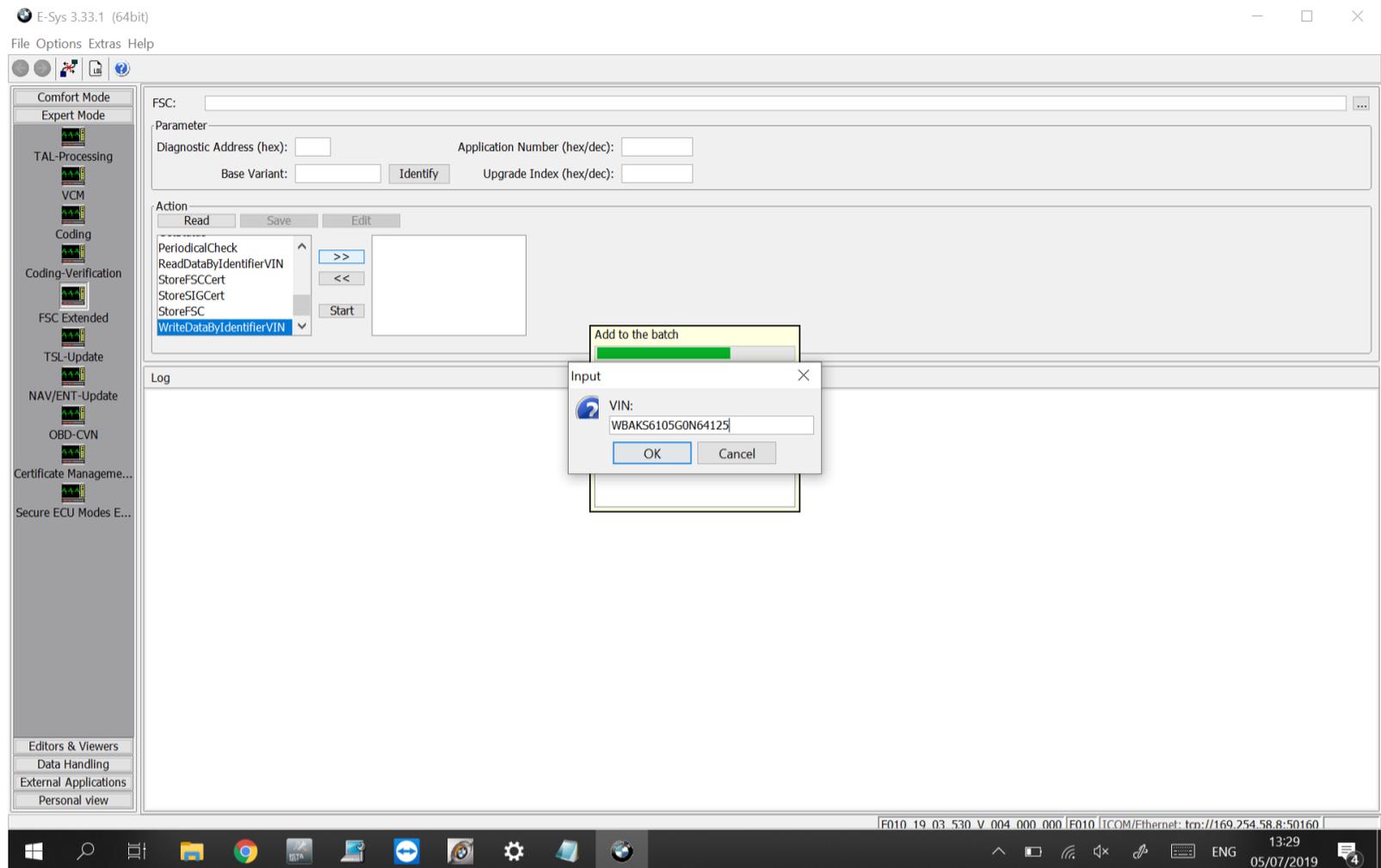
Proceed as follows

Expert mode -> FSC Extended

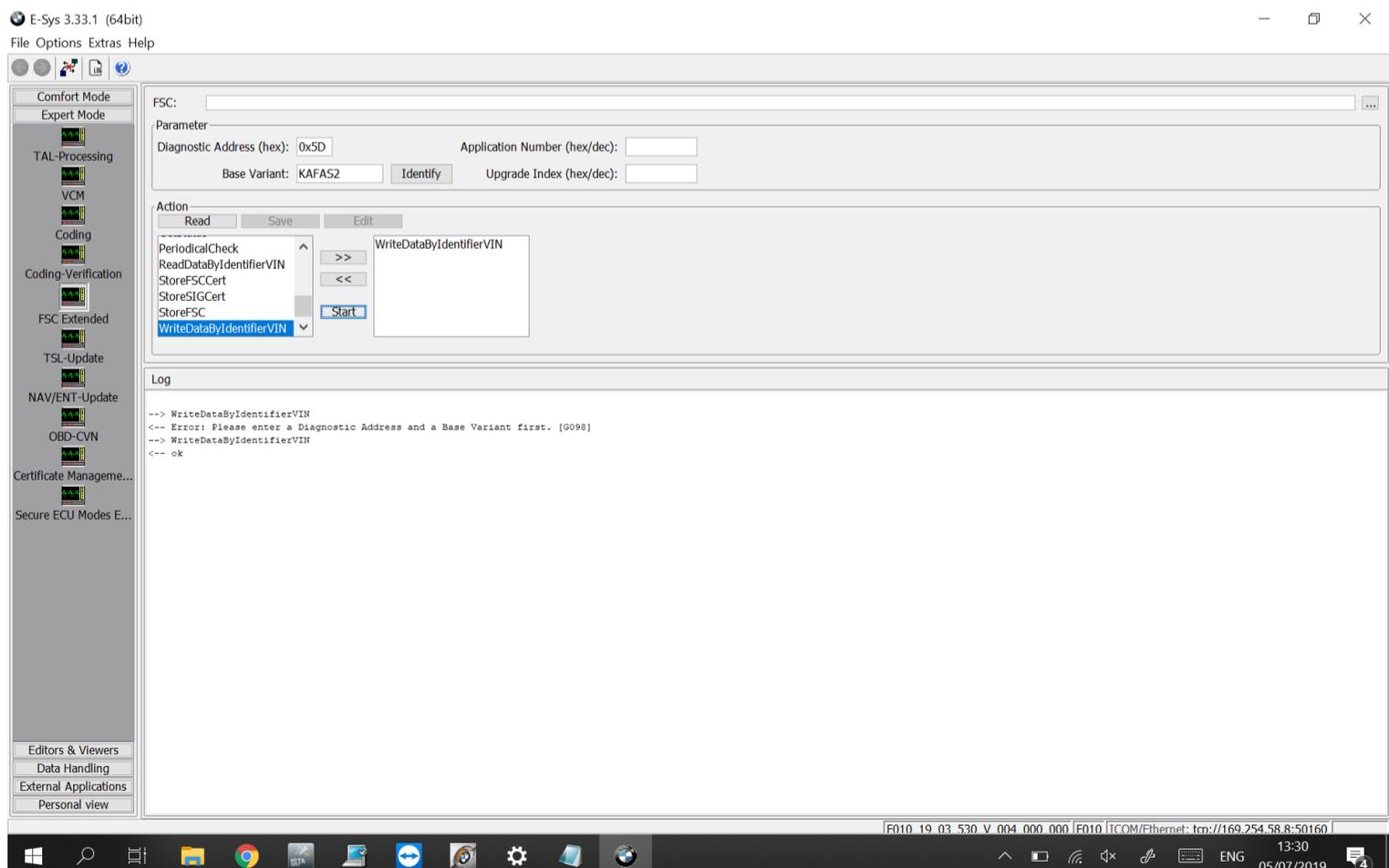
0x5D -> identify

Action pane

WriteDataByIdentifierVIN -> Enter FSC LongVIN -> Start



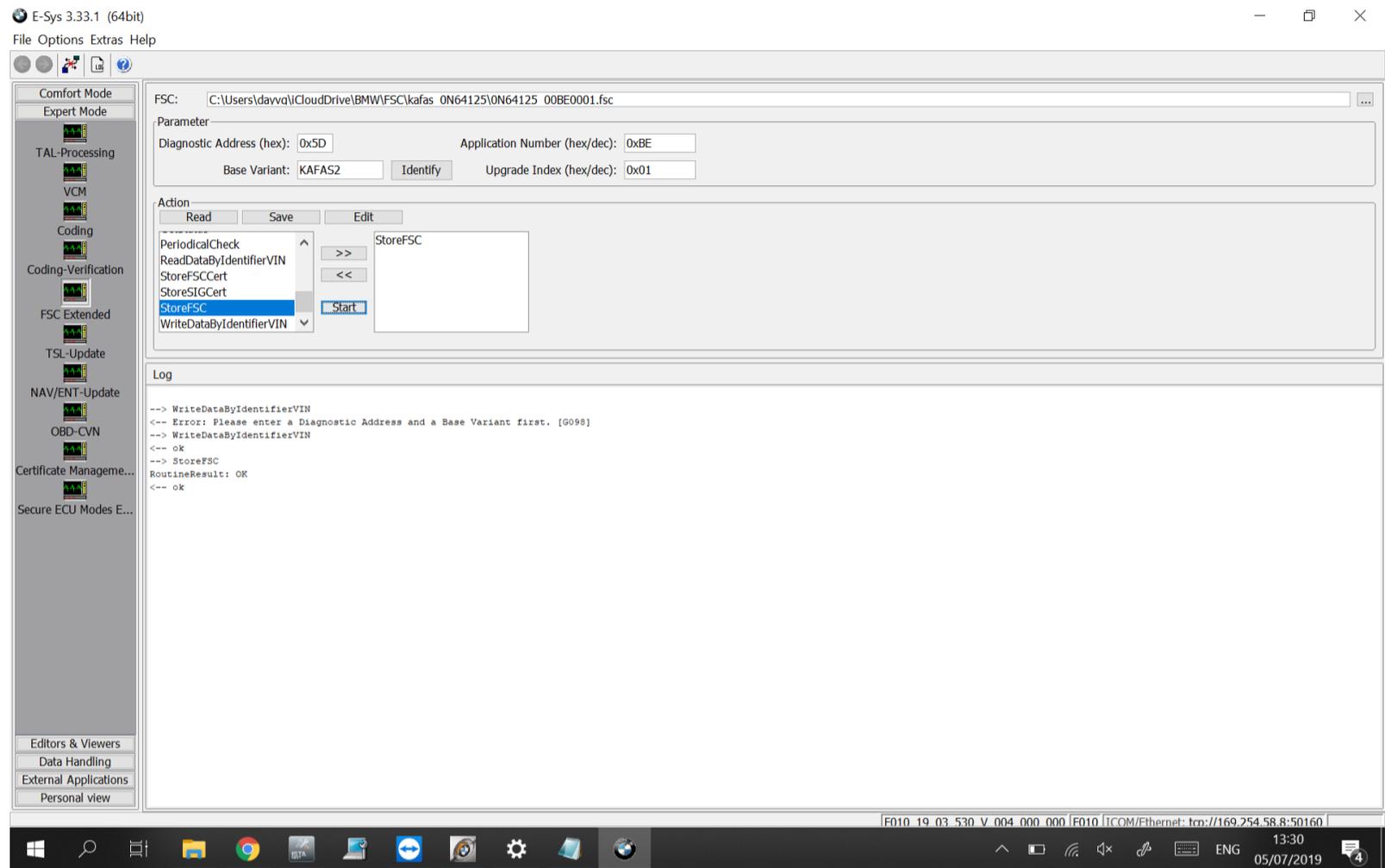
Check window, it should display as below (ignore the part about address, I missed a step)



Next load the FSC code in the FSC window. XXXXXXXX_00BE0001.fsc

Store FSC -> Start

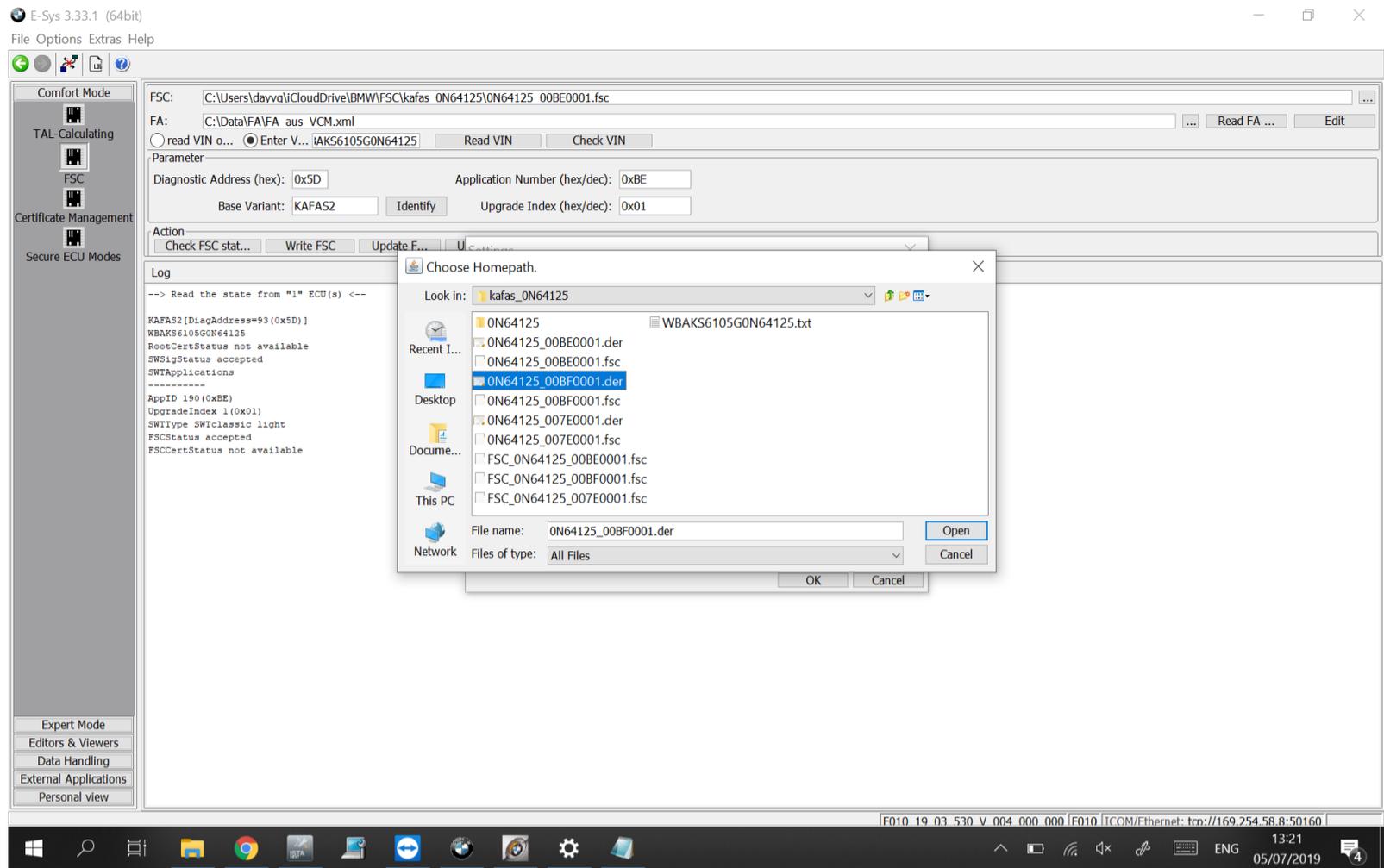
It should display as below.



E-Sys -> Comfort Mode -> FSC

Open E-Sys options, click FSC tab and load the .der (certificate)

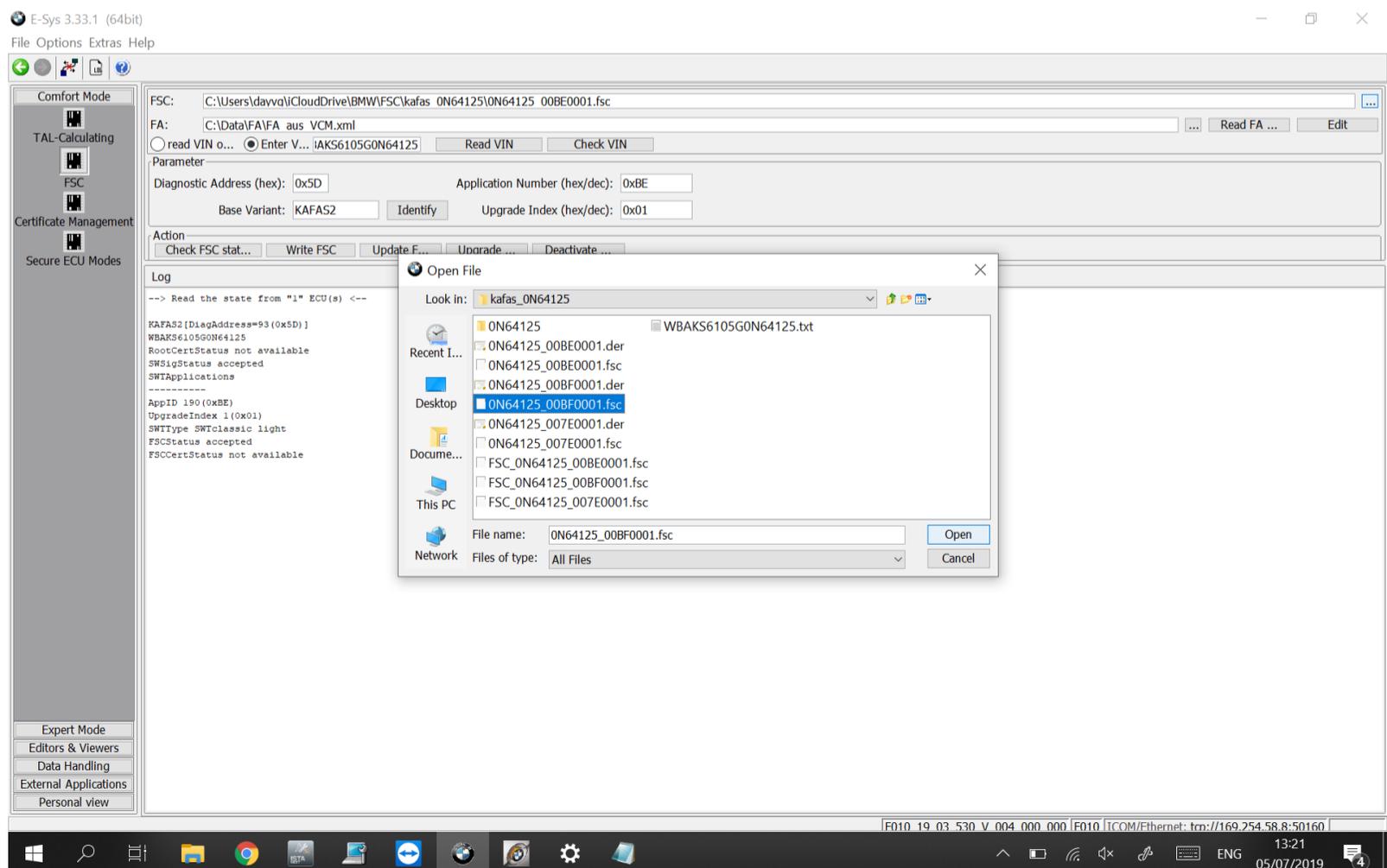
XXXXXXXX_00BE0001.der

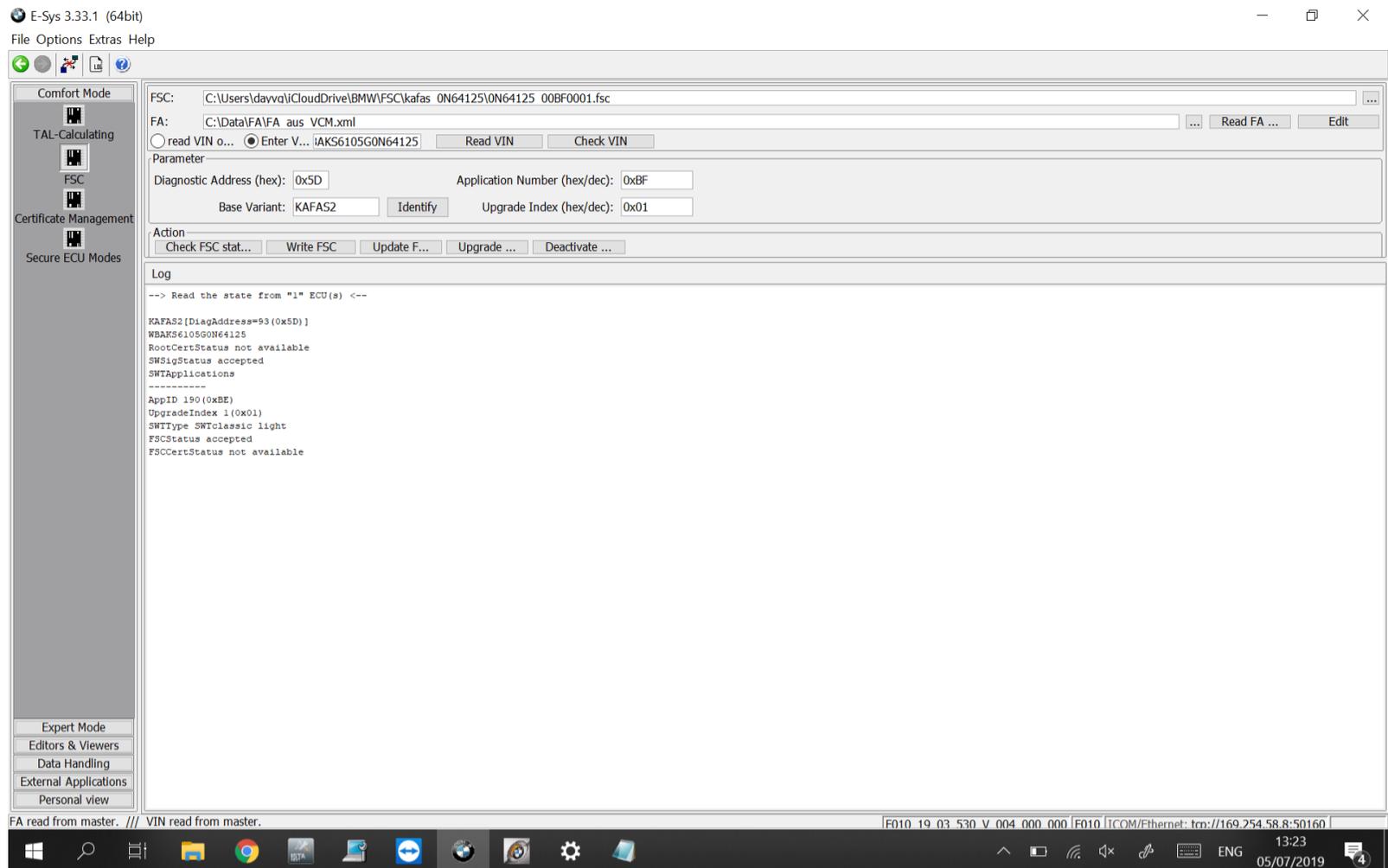


Next load the FSC file again XXXXXX_00BE0001.fsc

Read FA

Enter full 17 digit VIN from FSC



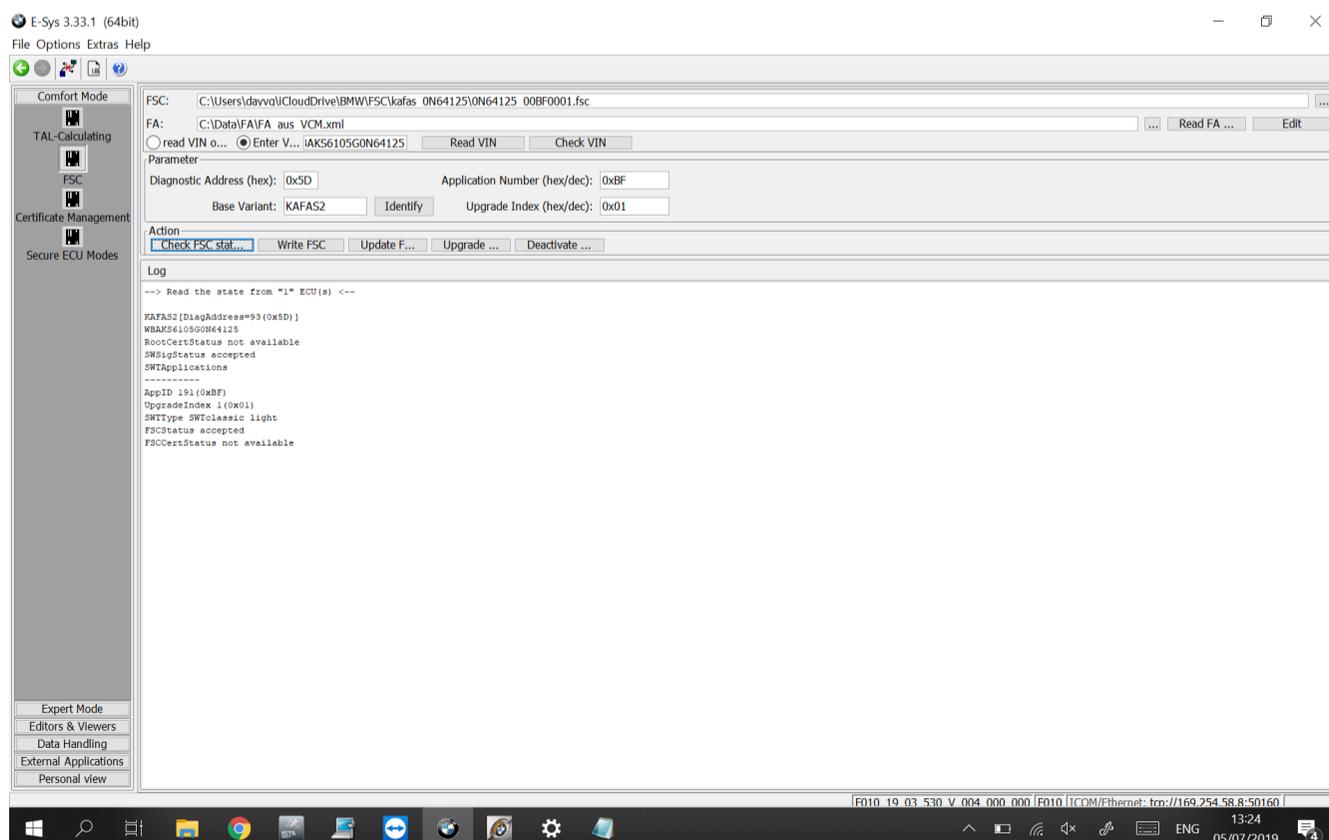


Input 0x5D, 0xBE, 0x01 click identify

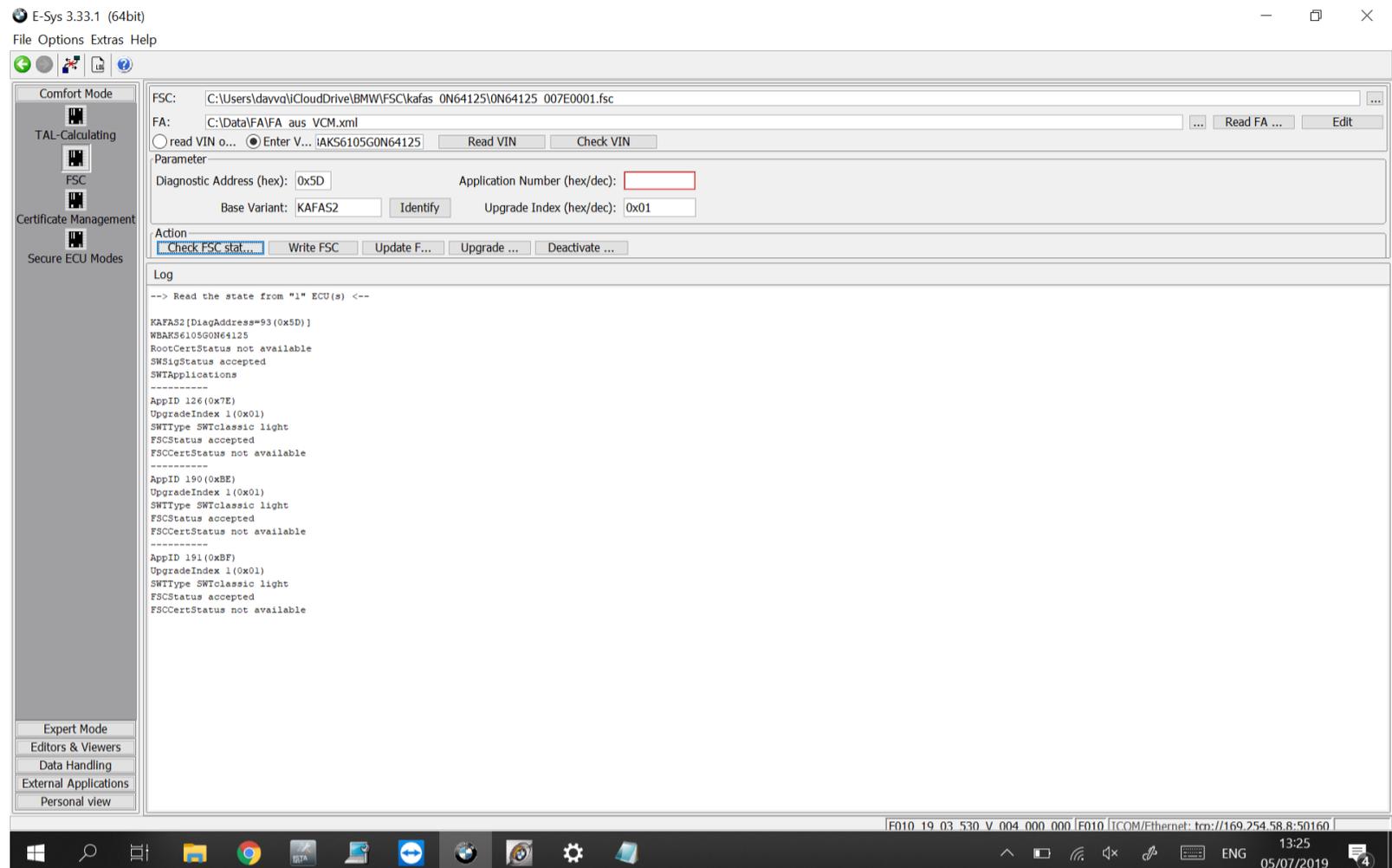
Check FSC Status: Loaded OK

Upgrade FSC (NEVER UPDATE FSC)

Then check for FSCStatus Accepted



Repeat steps above for all FSC codes. On completion remove entry from Application Number box and check FSC Status again. You should now see all 3 FSC accepted as below.



On completion clear any faults with ISTA+

I had to inject CAFD again using E-Sys and VO Code, I think this was a step I missed after I flashed the ECU.

You should now have a fully functioning KAFAS2 ECU with 7E, BE, BF FSC codes loaded.

DayvG

