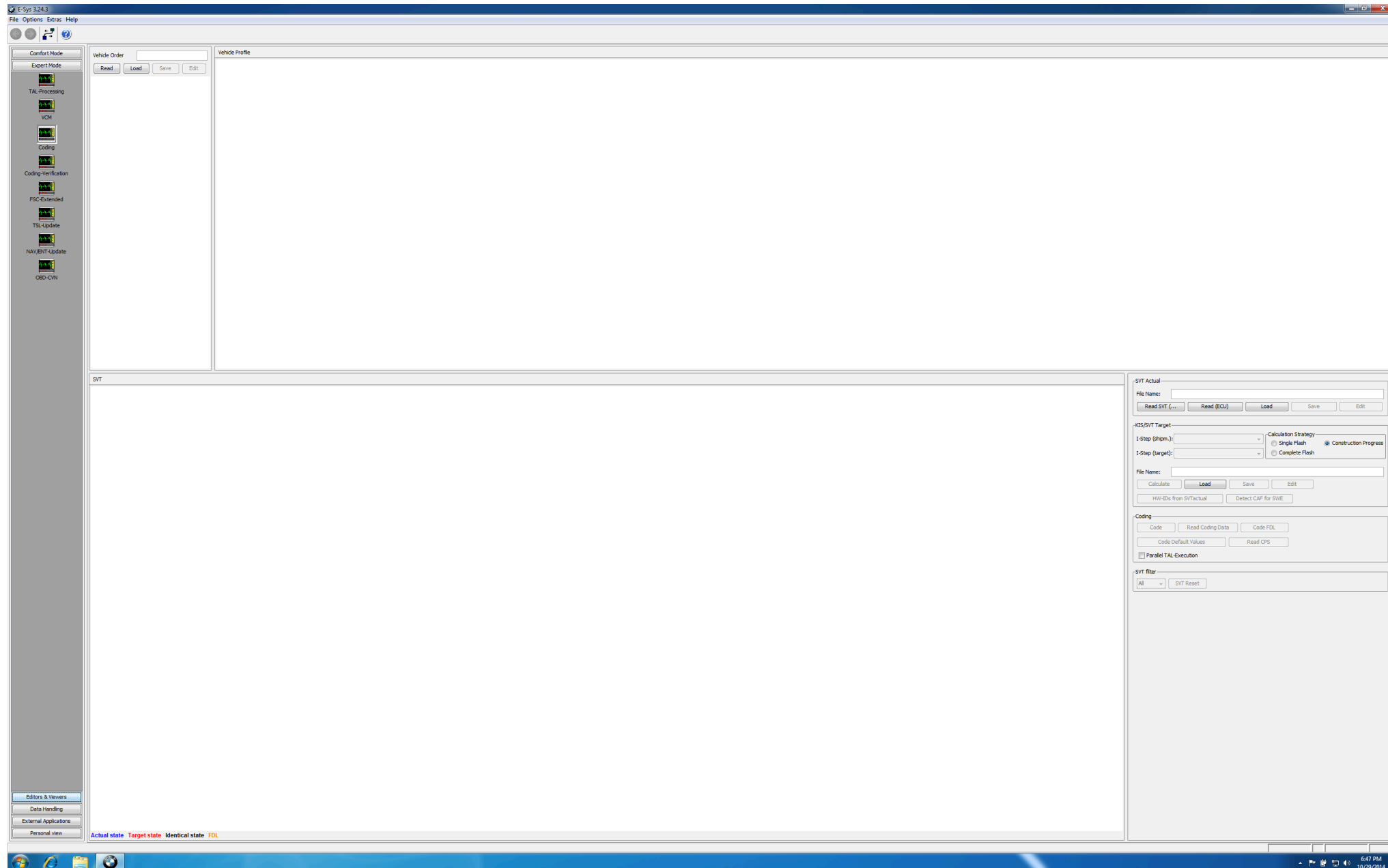
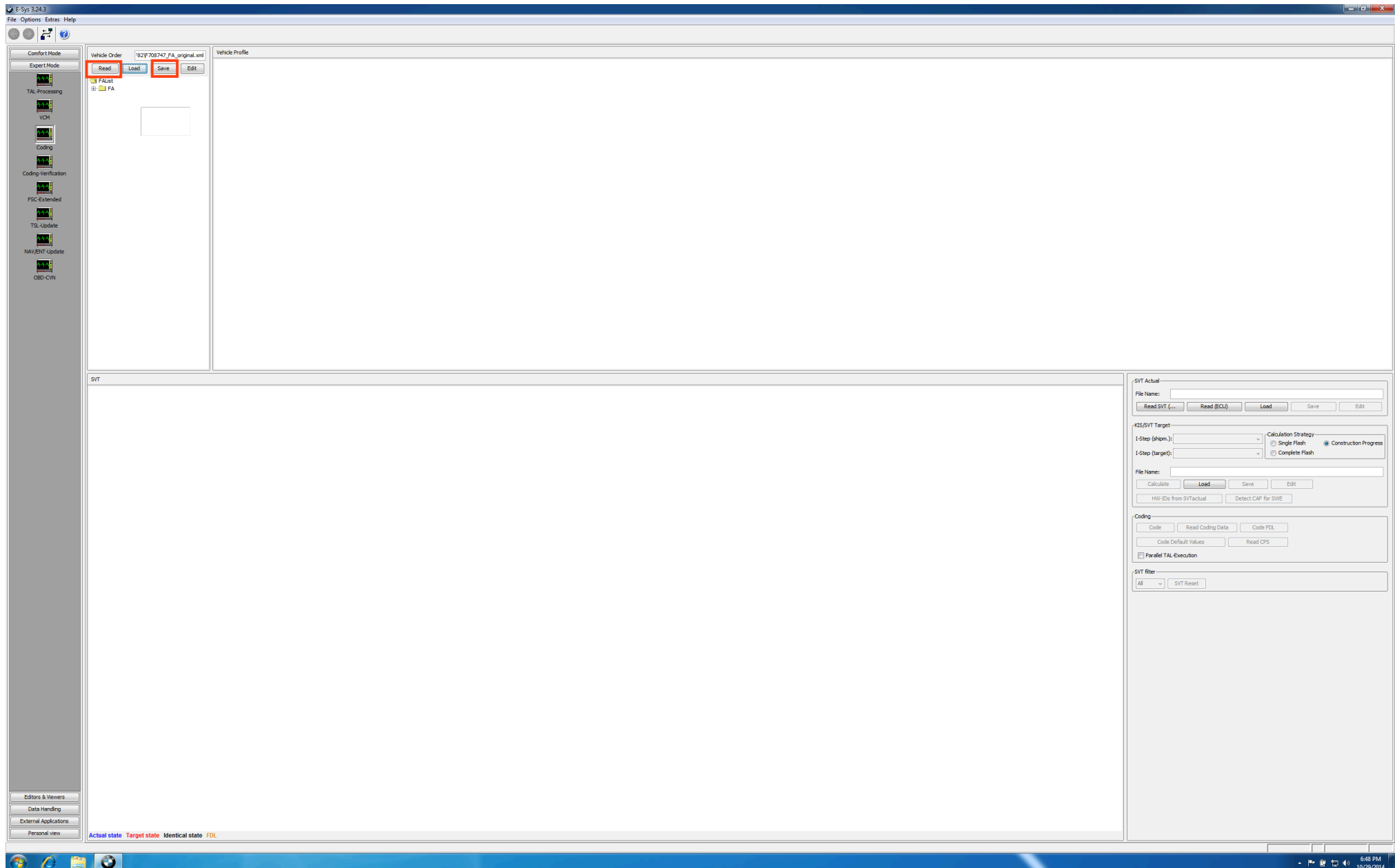


# Step 1 – Open ESYS, Make proper connection and open Expert Mode; Coding Tab

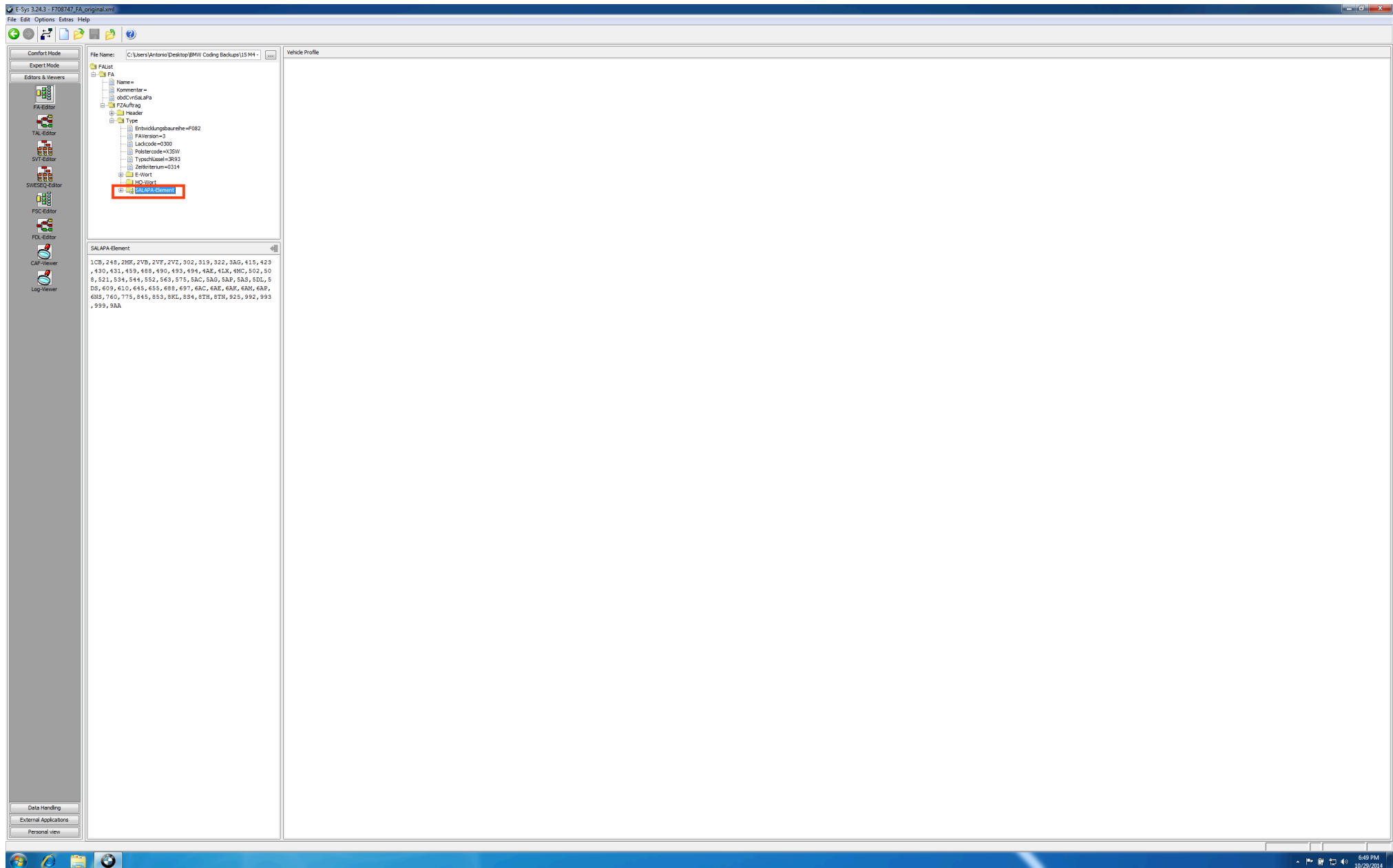
In this example, we will remove Dazzle DeCoding and ReCode the ECUs to enable Dazzle LEDs



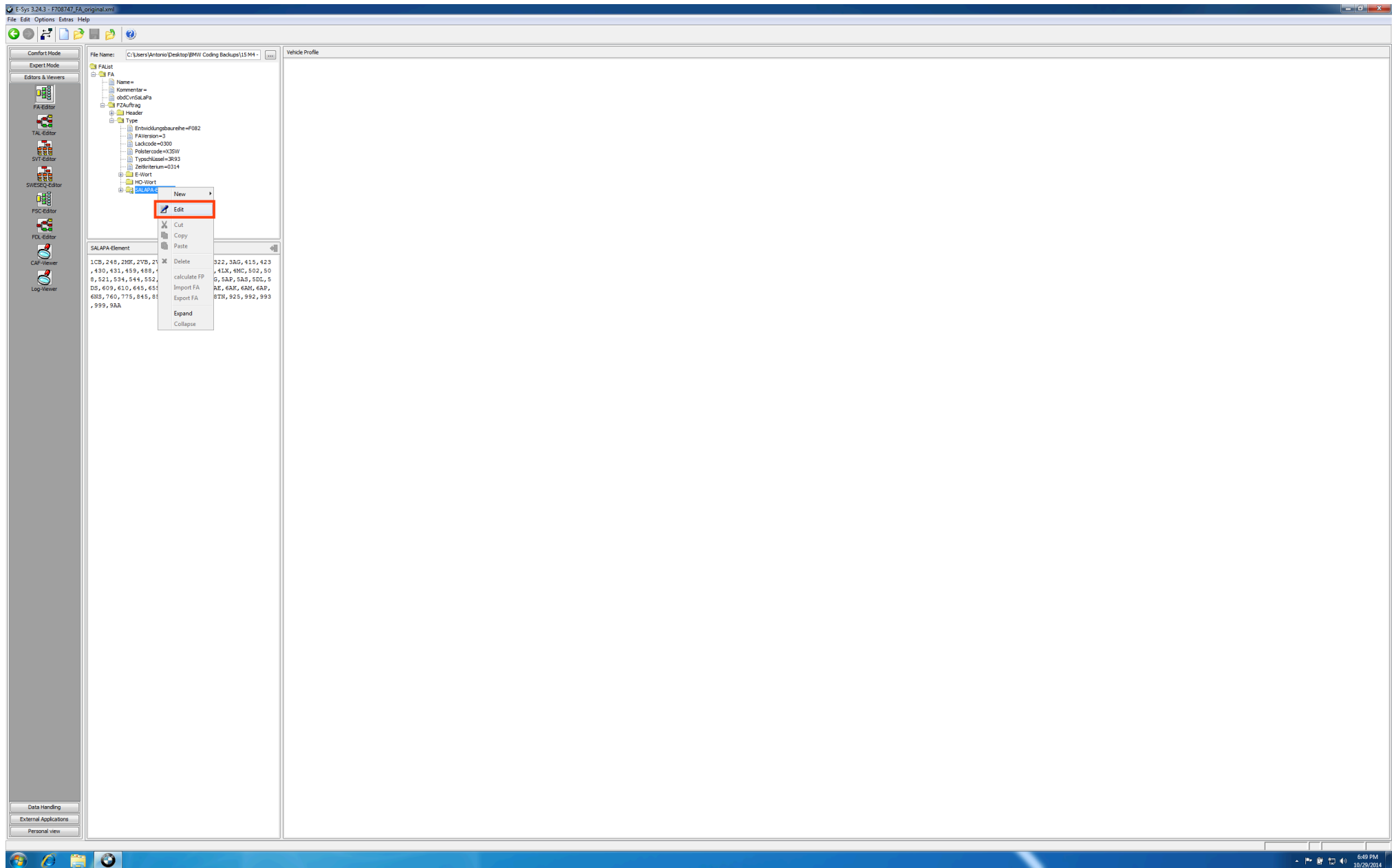
Step 2 – Read Vehicle Order (FA), then save the file to your desktop, as we will make changes and then write those changes to the vehicle, so that they are permanent.



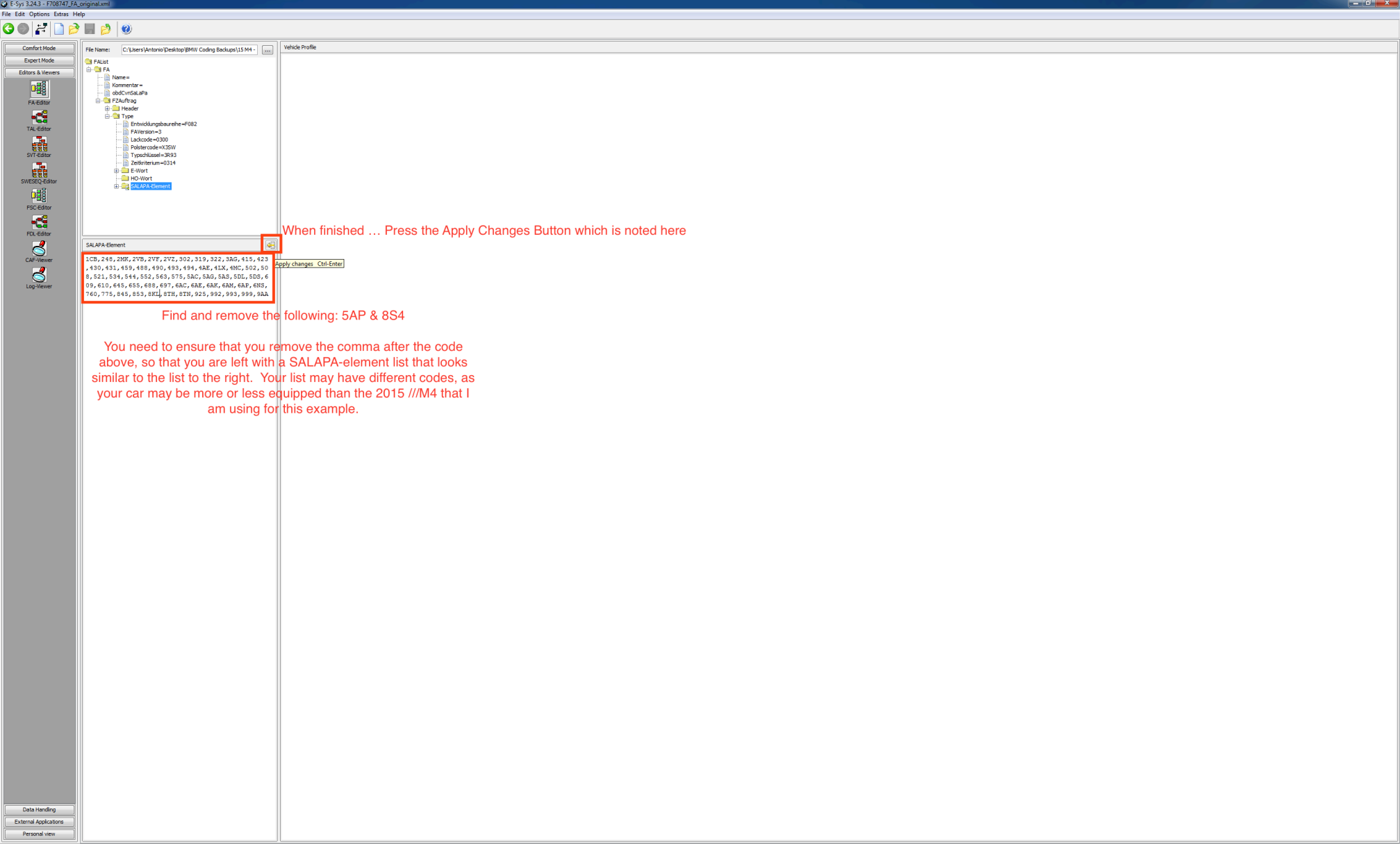
## Step 3 – Expand the FA tree, until you get to SALAPA-element.



## Step 4 – Right-Click on SALAPA-element and click the Edit option.



# Step 5 – Make your desired changes in the box below the FA-tree and then click the apply changes button.



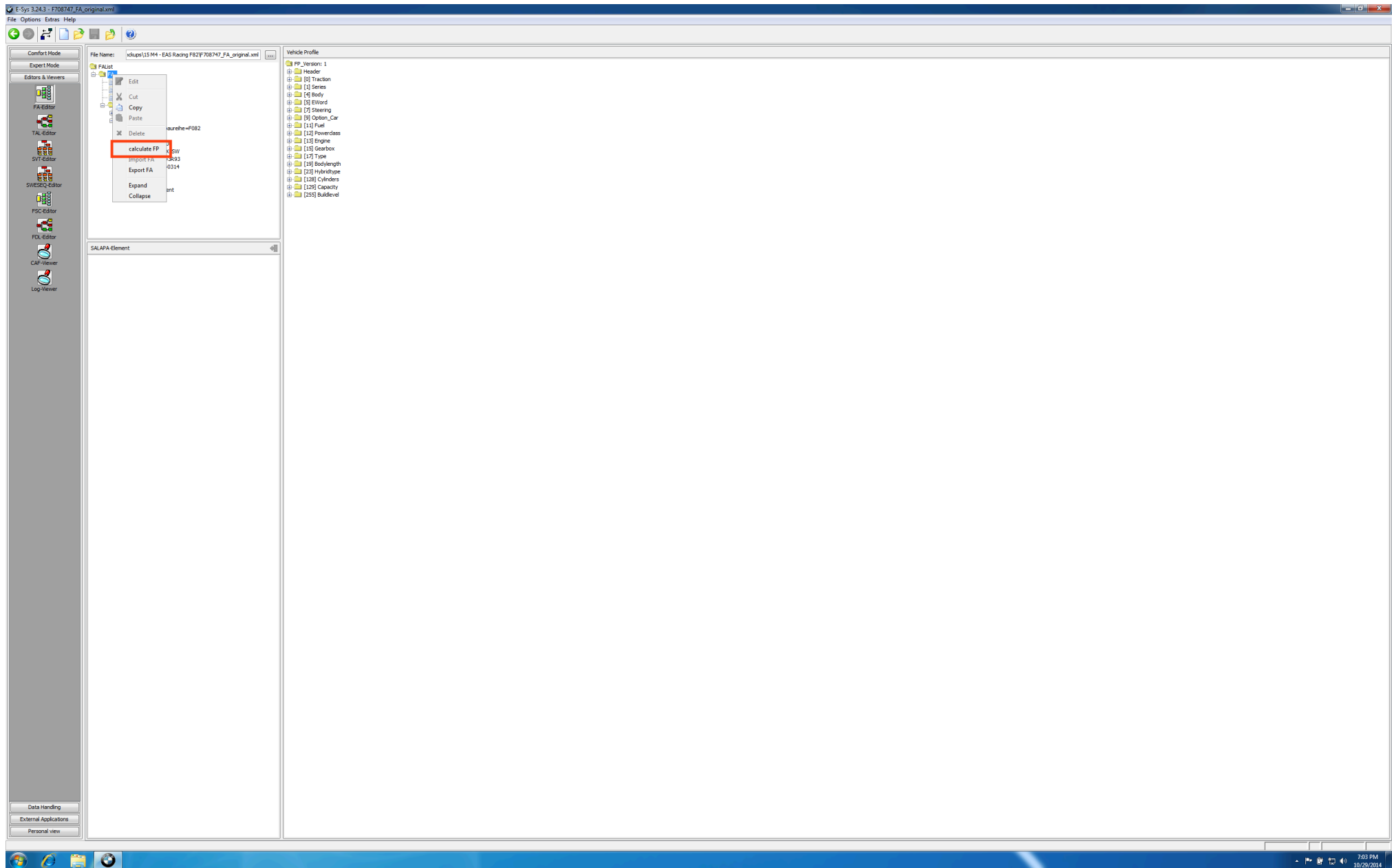
The screenshot shows the E-Sys 3.24.3 software interface. On the left is a sidebar with various tool icons. The main window is divided into two panes. The left pane displays a tree structure under 'FA' (Function Area) with sub-items like 'Name', 'Kommentar', 'FZM', 'Header', 'Type', 'Entwicklungsbaureihe', 'FALVersion', 'Lackcode', 'Polstercode', 'Typschlüssel', 'Zeichensum', 'E-Wert', and 'MC-Wert'. The right pane shows the 'Vehicle Profile' section. Below the tree, there is a text area labeled 'SALAPA-Element' containing a list of codes: 1CB, 24S, 20E, 2VS, 2VF, 2VZ, 302, 319, 322, 3AG, 415, 423, 430, 431, 455, 456, 459, 460, 463, 464, 48E, 41X, 49C, 502, 508, 521, 534, 544, 552, 563, 575, 5AG, 5AS, 5DS, 5DS, 609, 610, 645, 655, 688, 697, 6AC, 6AE, 6AK, 6AM, 6AP, 6NS, 760, 775, 845, 853, 881, 8TH, 925, 992, 993, 999, 9AA. A red box highlights this list. A red arrow points to the 'Apply changes' button (Ctrl-Enter) located below the list. A red text overlay reads: 'When finished ... Press the Apply Changes Button which is noted here'. Another red text overlay reads: 'Find and remove the following: 5AP & 8S4'. A third red text overlay reads: 'You need to ensure that you remove the comma after the code above, so that you are left with a SALAPA-element list that looks similar to the list to the right. Your list may have different codes, as your car may be more or less equipped than the 2015 ///M4 that I am using for this example.'

When finished ... Press the Apply Changes Button which is noted here

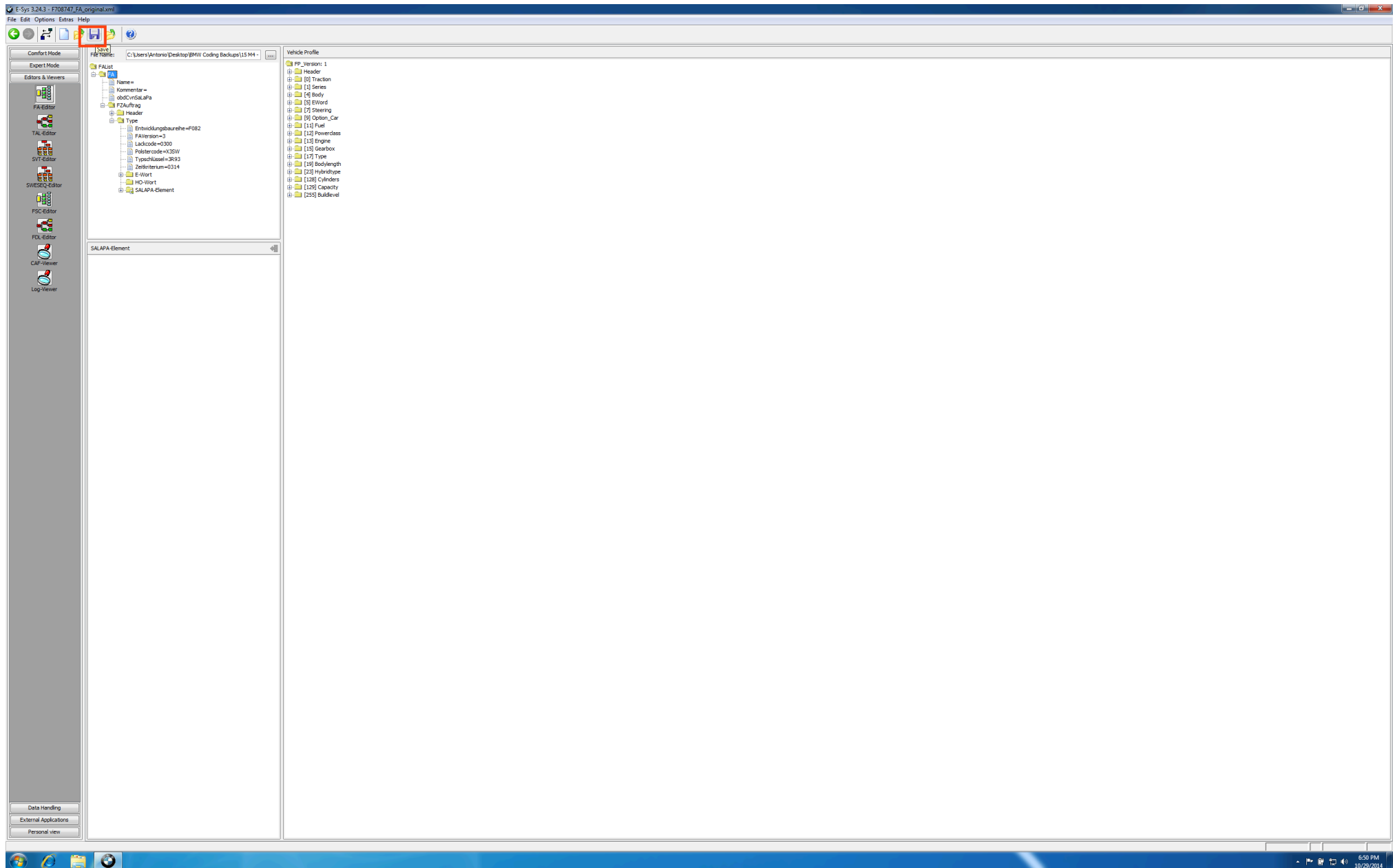
Find and remove the following: 5AP & 8S4

You need to ensure that you remove the comma after the code above, so that you are left with a SALAPA-element list that looks similar to the list to the right. Your list may have different codes, as your car may be more or less equipped than the 2015 ///M4 that I am using for this example.

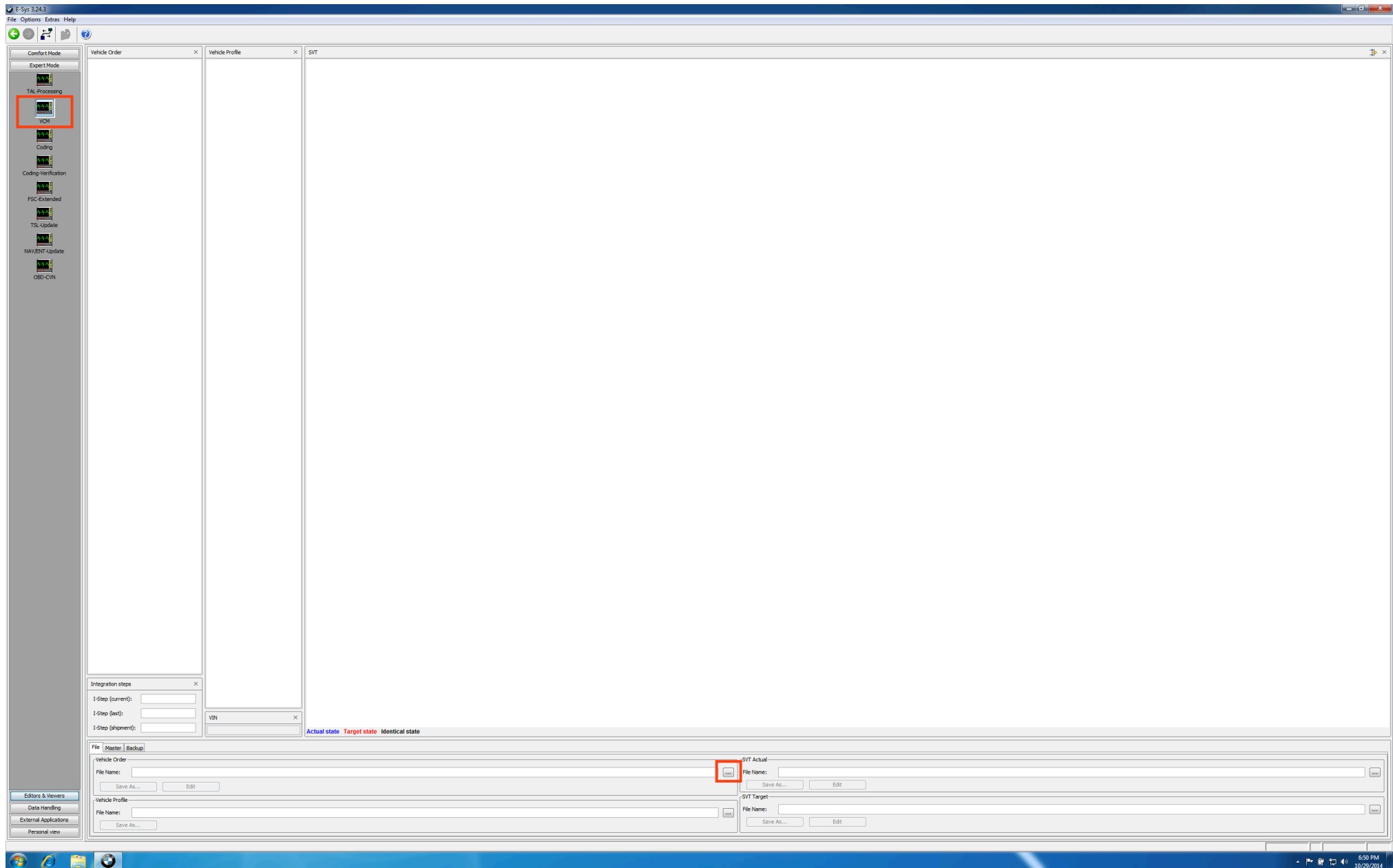
## Step 6 – Go back to the FA-tree, right-click on FA, then select calculate FP



Step 7 – Press the diskette button at the top of the screen to save your changes to the file on your desktop.

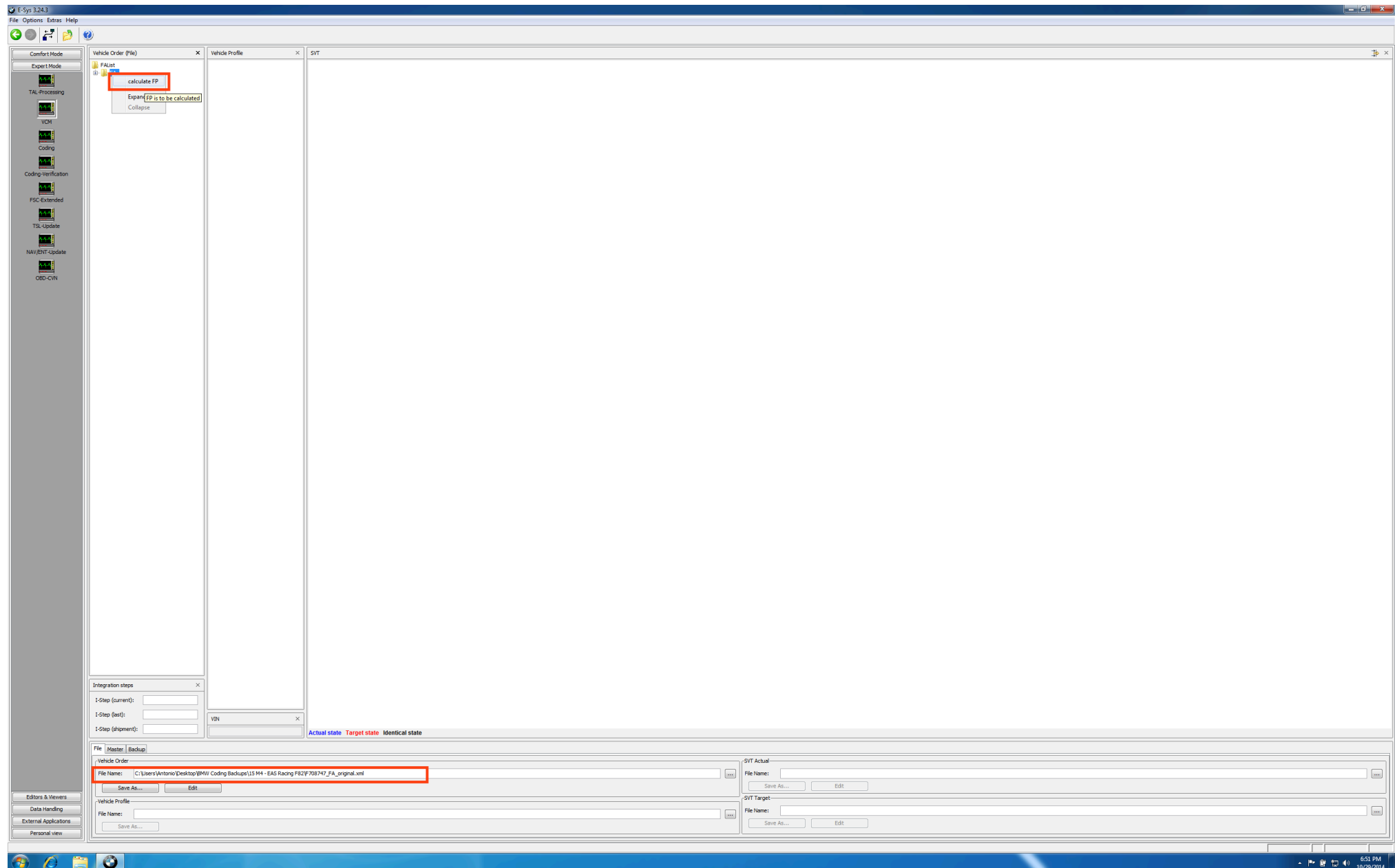


Step 8 – Under Expert Coding, select VCM ... Then in the bottom section, press the ... button and locate the file you saved earlier on your desktop

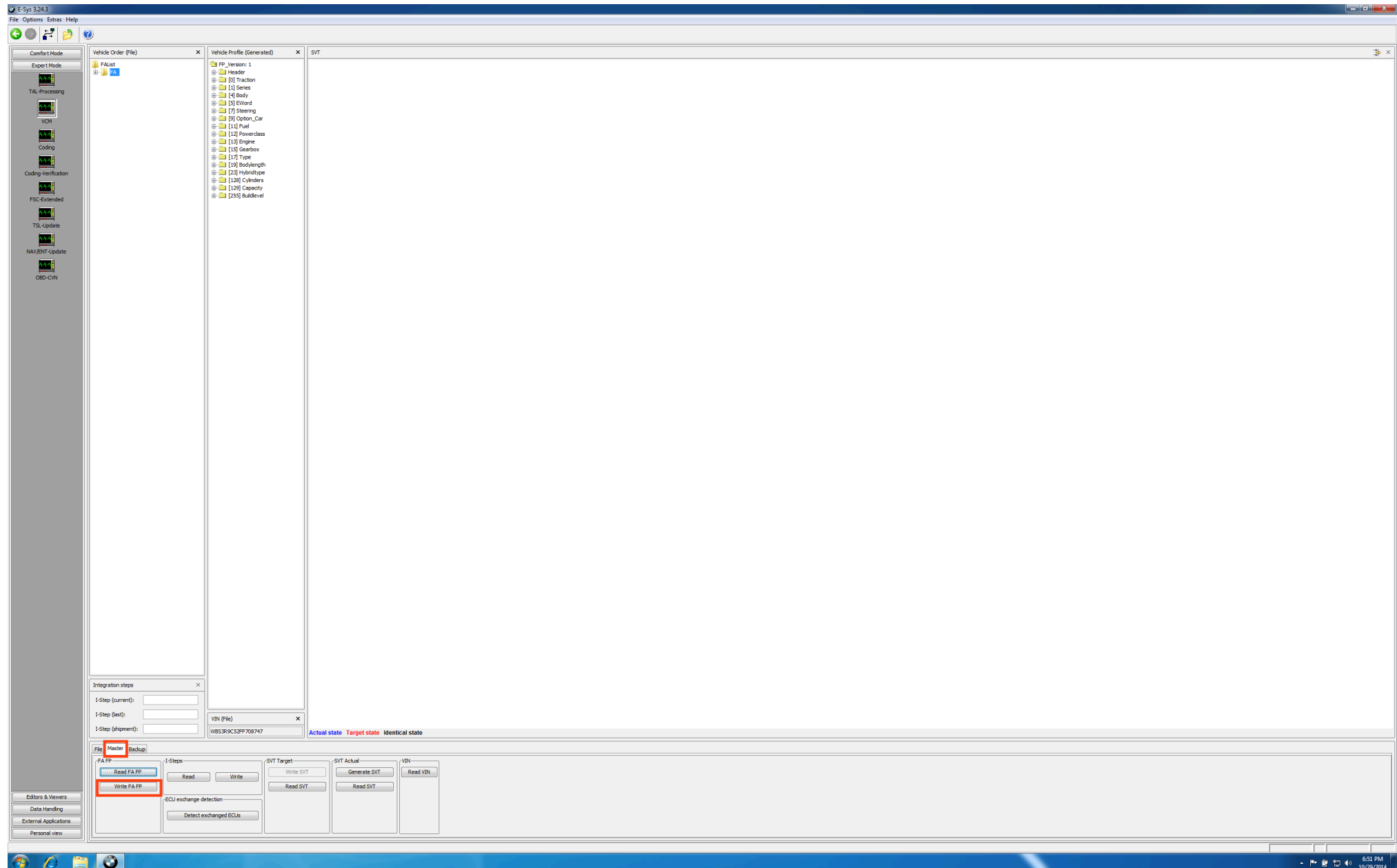




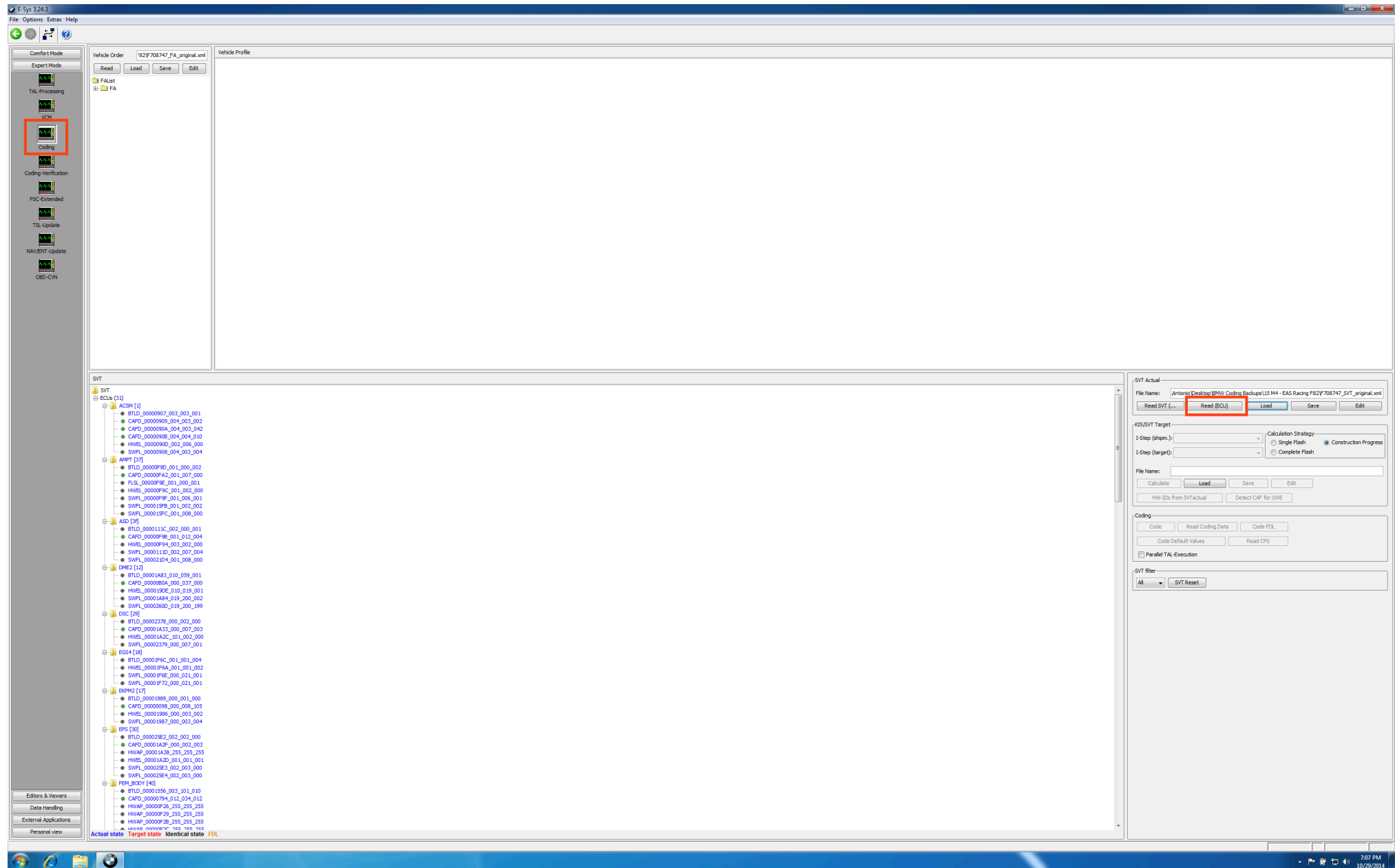
Step 9 – Once the file is loaded, Under the Vehicle Order section, right-click FA and select calculate FP



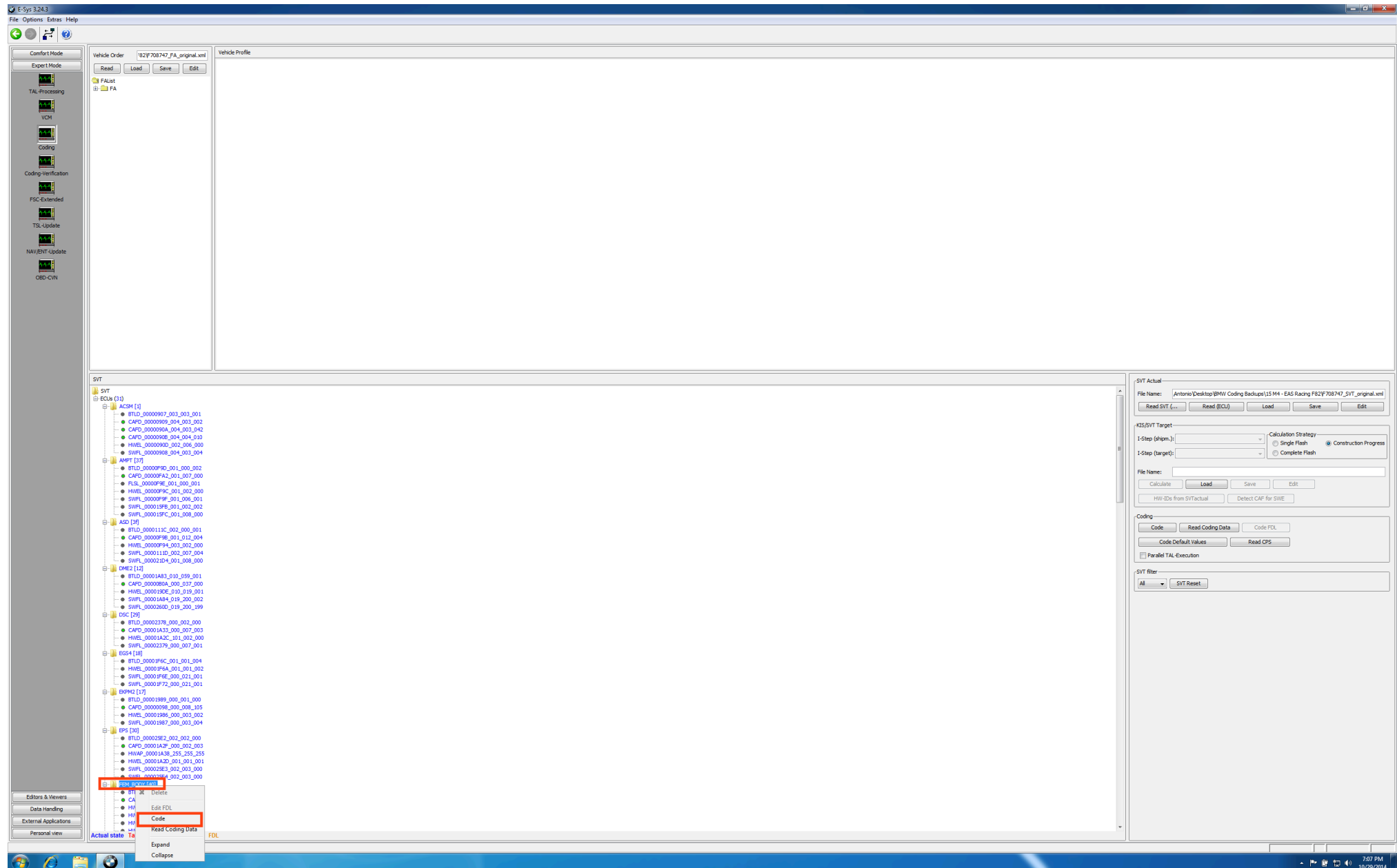
Step 10 – Once FP is calculated ... press the master tab at the bottom of the screen, and select the Write FA & FP button ... look at the very bottom of the screen for confirmation of FA & FP written



# Step 11 – Return to Expert Mode; Coding ... then press Read ECU under the SVT section



Step 12 – Find the applicable ECU(s) that need to be VO\_Coded, and right-click on that ECU (as shown below) and click “Code”



Repeat Step 12 for any remaining ECUs that need to be VO\_Coded

The most popular VO\_Coding changes require coding to the following ECUs

Dazzle LEDs: FEM\_BODY & KAFAS2 .... Or FEM\_BODY & FLA3

Satellite Radio / Enhanced Bluetooth: HU\_NBT ... or HU\_ENTRY & CMB\_MEDIA