

Here is mini guide on how to extract your DE (NBT) or 1B (CIC) file, generate the FSC code.

The method I am using requires ESYS and ENET Cable, I am aware there are other ways to extract such as using SWID_Reader but those methods did not work for me.

Looks like people are having issues getting the FSC Generator. Here is the link of where I got the original files from: <https://mega.co.nz/#F!ugo0HB5L!TPCmejMKPBIRrkz2SDvg0Q> and then extract the lookup.xml.zip.

Prerequisites:

ESYS

ENET Cable

PSDZData Lite (lite version is fine for FDL coding, you only need the full package if you want to flash ECUs)

Token (not required to reach FSC Extended)

NBT/CIC EUROPE + North America NEXT 2015-2 Maps (19GB+ download)

<http://www.e90post.com/forums/showthread.php?t=995629>

if you are generating maps for NEXT then you need to follow the guide for DE

if you are generating maps for MOVE, MOTION or PREMIUM then you need to follow the guide for 1B

Extracting the DE or 1B file:

Fire up E-sys make sure your connected to the F20 (not F20_Direct) via your VIN and then in the left hand vertical menu select FSC Extended.

For NBT (DE File):

In the Parameter section enter:

1. Diagnostic Address (hex) = **0x63**
2. Click on the Identify button and the Base variant **HU_NBT** will be populated
3. Application ID for NBT= **0xDE**
4. Upgrade Index = **0x1**

For CIC (1B File):

In the Parameter section enter:

1. Diagnostic Address (hex) = **0x63**
2. Click on the Identify button and the Base variant **HU_CIC** will be populated
3. Application ID for NBT= **0x1B**
4. Upgrade Index = **0x1**

In the Action section:

5. Select **Store FSC** and move from left to the right
6. Click on the Read button
7. Click Save and name the file in the following format **XXXXXXX.fsc** where XXXXXXX is last seven letters/numbers of your VIN or your donor NBT vin if you have retrofitted the NBT.
8. **[Optional]** You can now disconnect e-Sys from your car as the next stages can be performed offline.

Generating the FSC code using the BMW CIC NBT FSC Generator for NBT:

If you are generating NBT, copy fsc.exe in the NBT_FSC directory to the tools directory

1. Place your XXXXXXX.fsc into your tools directory (same location as the Base64.exe)
2. Open a command prompt (DOS Screen) and go to the tools directory
3. Type "**Base64 XXXXXXX.FSC XXXXXXX_000DE001.FSC**" and press enter
4. Open BMW-FSC-NBT-Generator.exe
5. Click "Browse" and select the XXXXXXX_000DE001.FSC file you generated in step 3, it should be in your tools directory.
6. Choose your map product from the list (For me it was "Road Map EUROPE NEXT 2015-2)
7. Click "Generate"

Generating the FSC code using the BMW CIC NBT FSC Generator for CIC:

If you are generating CIC, copy fsc.exe in the CIC_FSC directory to the tools directory

1. Place your XXXXXXX.fsc into your tools directory (same location as the Base64.exe)
2. Open a command prompt (DOS Screen) and go to the tools directory
3. Type "**Base64 XXXXXXX.FSC XXXXXXX_0001B001.FSC**" and press enter
4. Open BMW-FSC-NBT-Generator.exe
5. Click "Browse" and select the XXXXXXX_0001B001.FSC file you generated in step 3, it should be in your tools directory.
6. Choose your map product from the list (Road Map EUROPE PREMIUM 2014-1)
7. Click "Generate"

Preparing the USB stick:

Takes about 45 mins to upload the Maps to your car; make sure you enter the code in **CAPITALS**, it has been said that you should have the car on/running during this period. But for me just pressing the Start button once was enough. Once the update is done, you will get a success message, wait a few minutes then turn the car on/off and then the version number will reflect the new map.

NBT

USB stick needs to be FAT32 (32GB is enough), when you extract the map data to the stick make sure you extract the folders to the USB root. The folders will be like:

1 (directory)

2 (directory)

3 (directory)

4 (directory)

config.nfm

NBT_ECE_101141.3.111.pkg

NBT_ECE_101141.3.111.pkg.sig

CIC

For the PREMIUM (CIC) maps you will have 3 directories:

USB1 (directory)

USB2 (directory)

USB3 (directory)

Copy the entire contents of USB1 to the root of the USB stick, should only be the following:

config.nfm

pkgdb (directory)

Once uploaded to the car, the car will ask for USB2. Delete the both the config.fm and pkgdb from the root and repeat the above with USB2....and then again with USB3.

Notes:

What happens when NEXT/Premium 2015-3/2016 comes out?

You just need to edit the Lookup.xml file with the new map details, just look at the previous entries, its follows a sequence.

Backup your FSC file!!!

Save your XXXXXXXX_000DE001.FSC file, you can now just refer to this file and generate as and when the new maps come along. If you lose this file you will need to do the extraction steps again.