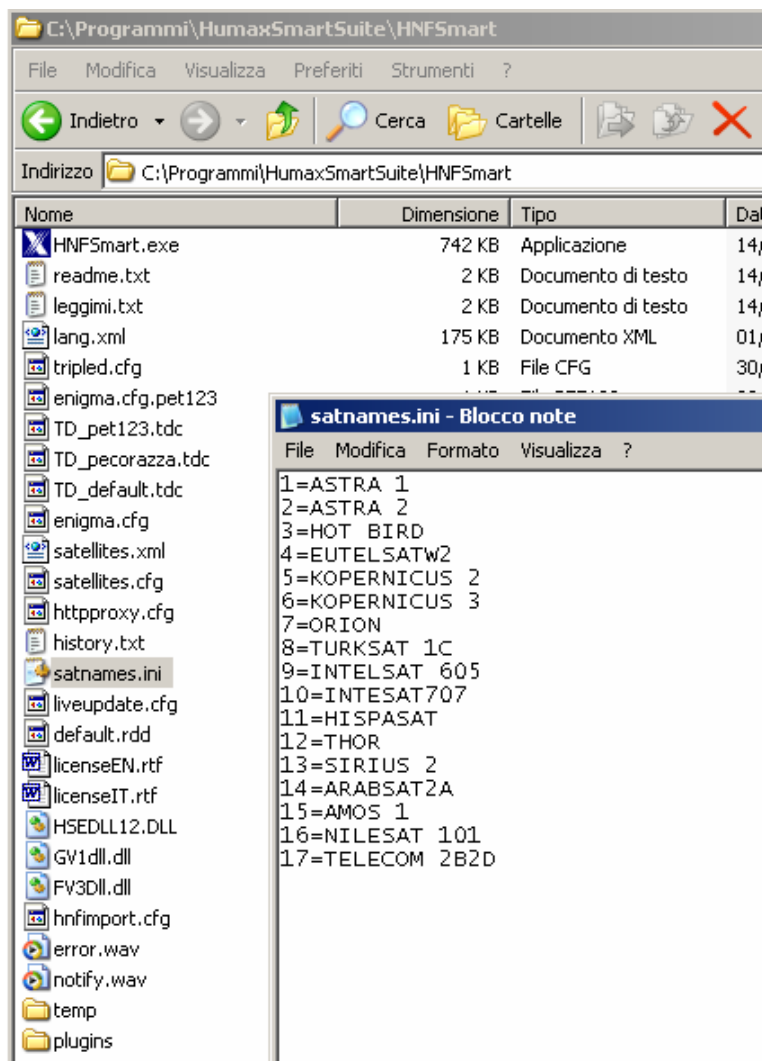


TRASPONDER MODIFY FOR FAST CHANNEL SEARCH WITH HUMAX 5400

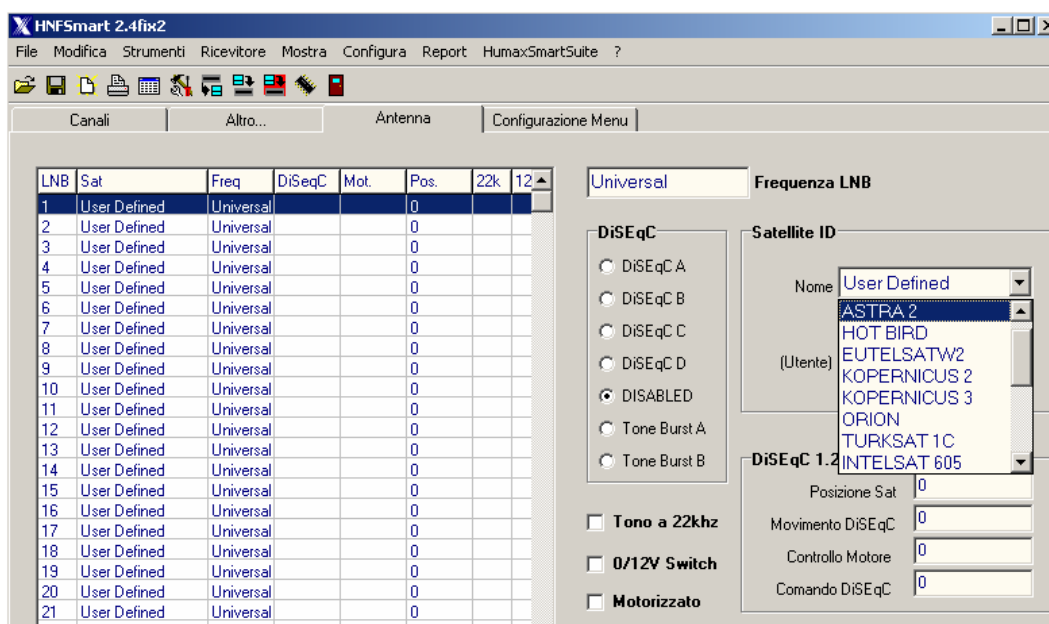


After my request, but the programming ability is all of Nostromo, into latest version of his “state of the art” tool “HNFSmart” we have possibilities of modify sat description utilized for transponders updating (fast search of channel) into Humax 5400 models. Of course write little how-to for explain utilization of this modify are minimum requirement for give my personal thanks to Nostromo.

Of course write this near a good drink (without write his names) ... are more relaxable things ...

Like we can see in image the file to edit is “satnames.ini” and relative default list are shown in the same pictures.

In this other picture we can see results into HNFSmart tools:



Some one can ask ... why this ?

Well ... this is one little example:

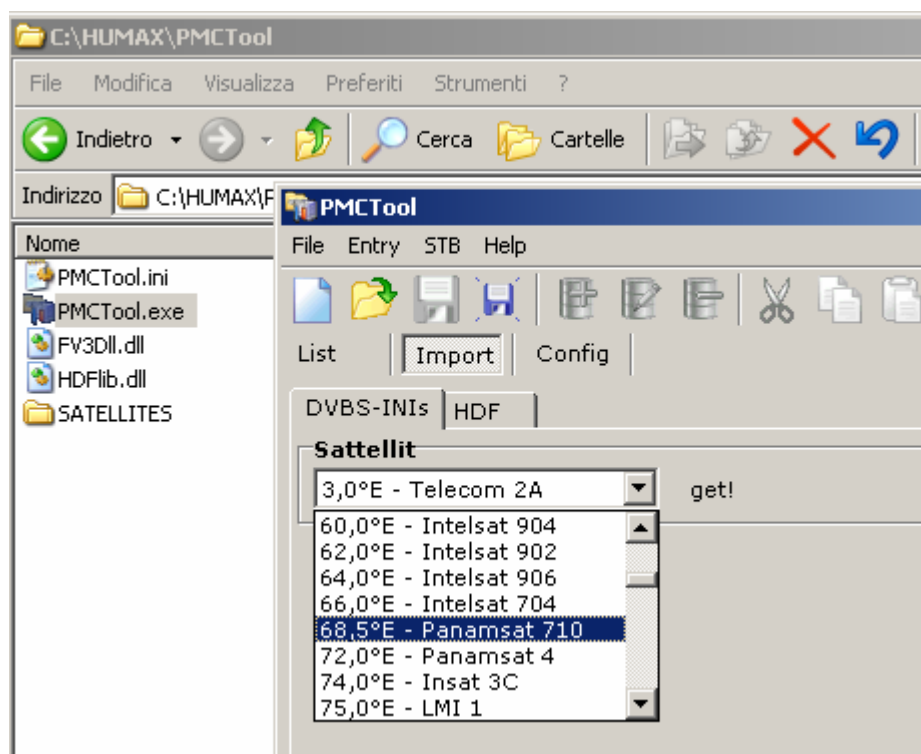
Normally we use, and upload to our hummy, preformatted setting downloaded from our preferred site ... but if we have motorized or standard dish direct on one satellite not implemented into this settings ? how we can make one channel search not time expansive like standard search of our Humax ?

Simple ... we can delete one satellite from the standard list (fast search – transponders definitions) insert satellite we need and make easy thing to have one fast search on it !

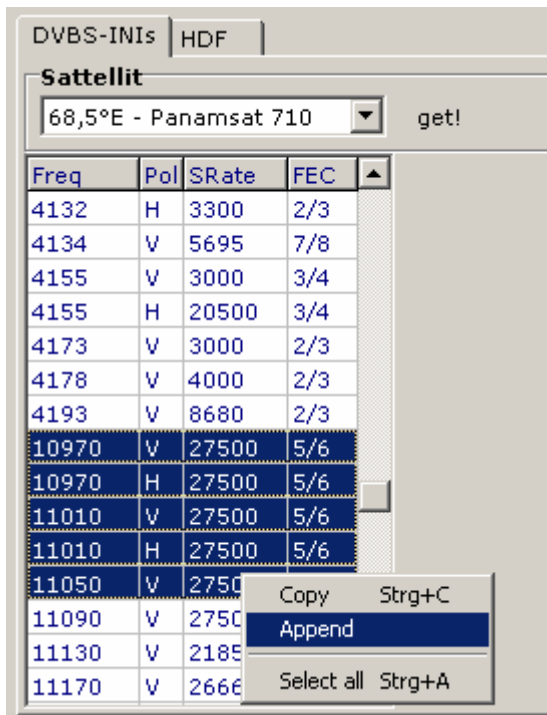
One other example ? ... we can update transponders and use it for feeds quick search.
Of course if you understand my “full of bugs “ English

We need to change something into program and into firmware of our hummy ... (firmware are not really necessary .. but if we like to make and like to have simple utilization ... it's a good idea to make this changes)

We can modify/update 17 satellites transponders definitions and this definitions are into PMCT, so we need to use PMCTools and one recent transponder list (like <http://joshyfun.peque.org>)



Like we can see, SATELLITES are directory for transponder list and into PMCTool we can GET transponder definition for many satellite (into this example I use 68.5°E – Panamsat 710) after GET we must to select transponders and ...



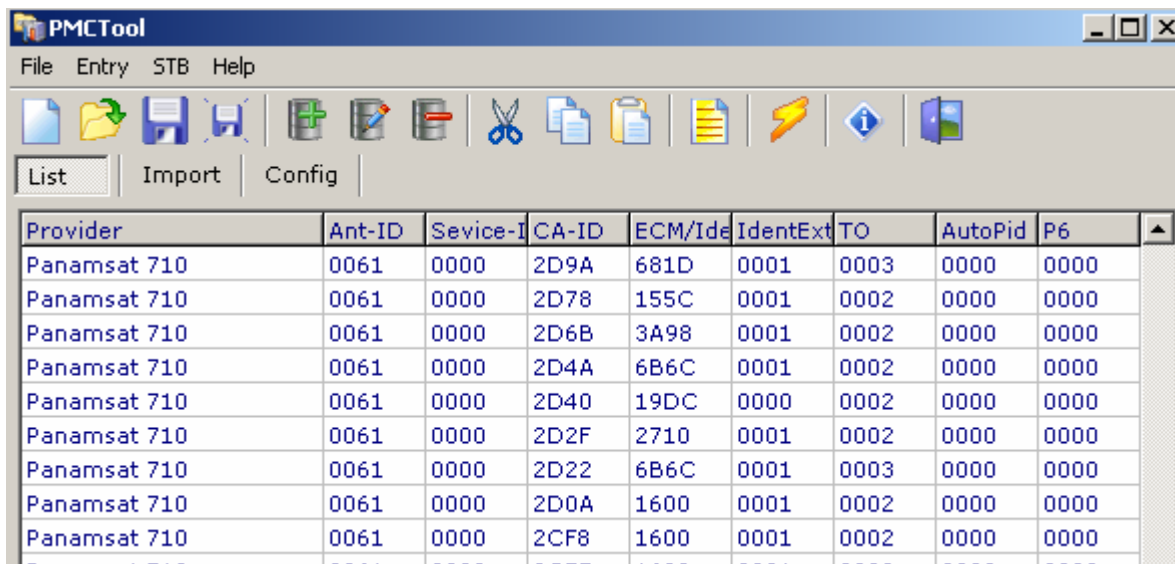
... (depend by our sat hardware) usually select only transponder with 5 digits into Freq definitions (4 digits are for C BAND transponders).

After selections we can Append transponders to the list of PMCT ...

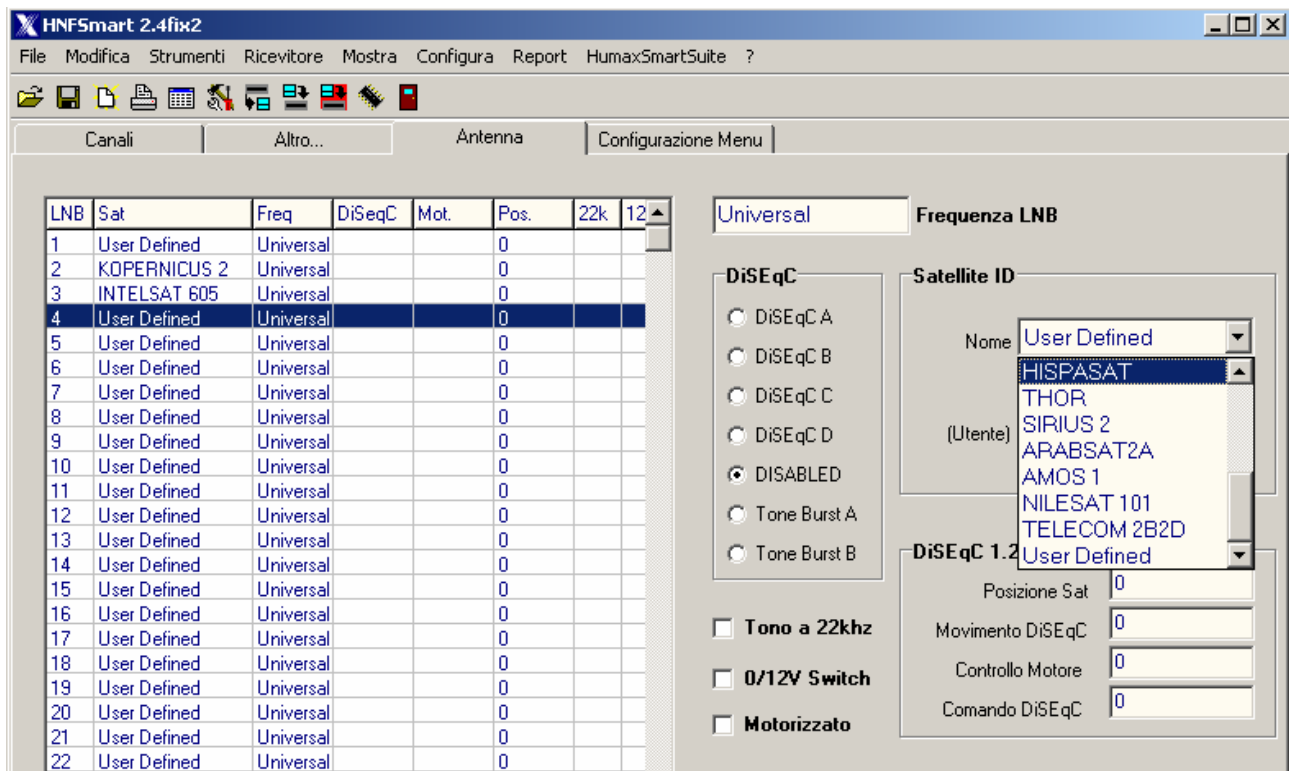
Like we see under, after Append we have this situations into PMCTool.

First "problem" are (sorry but I explain some about later) all transponders we APPEND have Ant-ID with 0061 number ... with this number we can't have useful utilizations.

We need to save PMCT just created and with Notepad (function substitute) search for 0061 and change with 0050 (or our number of sat definitions) utilized with correct sat



Fortunately we need to make this only few time and just one time for sat. ... and, of course, only if you need ☺



Here you can see how Satellite ID are utilized into settings and ... ATTENTION !!!

You NEED to have this situations:

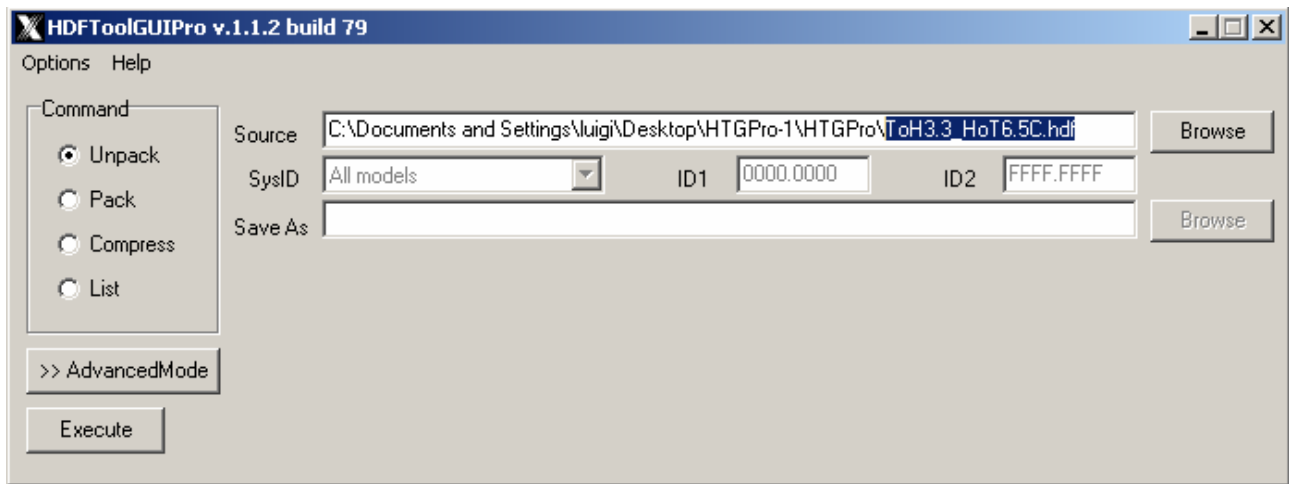
LNB = Satellite ID 1 (into sat list) = Ant-ID 0050
 LNB = Satellite ID 2 (into sat list) = Ant-ID 0051
 ...
 LNB = Satellite ID 17 (into sat list) = Ant-ID 0061

Or nothing work correct ... of course for easy remembering of all it's very good idea to change all for have the same names.

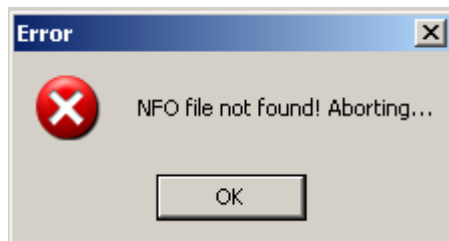
Like (I hope) you understand is not necessary to put LNB 1 for Ant-ID 0050, you can select one of 32 sat position for associate one of 17 Satellite ID and use it for transponder definitions.

If you like (for more comprensible use) I suggest to edit firmware (languages module) for change descriptions of 16 sat selectable in our hummy for fast channel search because into our Humax you can select one of this 17 sat.

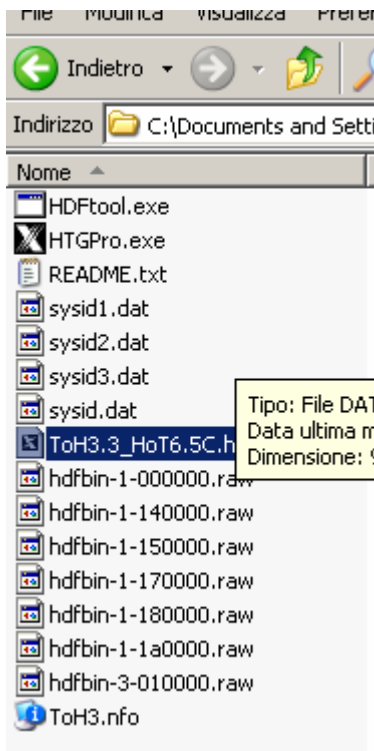
For make this modifications, and if you want ... more other modifications ... you need to use one useful program named HTGPro. I suggest to create one directory with both HTGPro and firmware file inside named with what you need to make.



Like you can see into pictures you need to select your correct version of ToH/HoT firmware and explode it from one big “file.hdf” to more little “file.raw”. Then select file and click on Execute.



After usually error you have into directory this situations ...



Here you can see file of HTGPro, firmware file and other “file.raw” ...

We must to modify last file: hdfbin-3-010000.raw also called Languages ...

Why this work ? .. simply ... hdf file are (usually) compressed file difficult to edit ... raw file are user friendly and simply editable hex file ...

Of course for make some modification we need one Hex Editor ... usually I use program you can see into next picture ... were you can see directly OffSet were sat definitions are ...

```

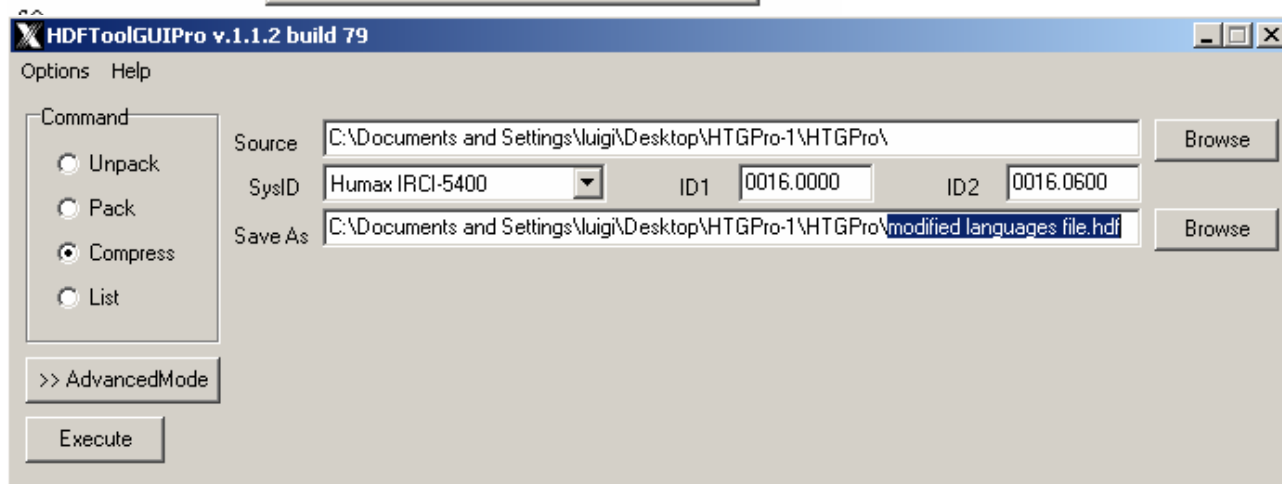
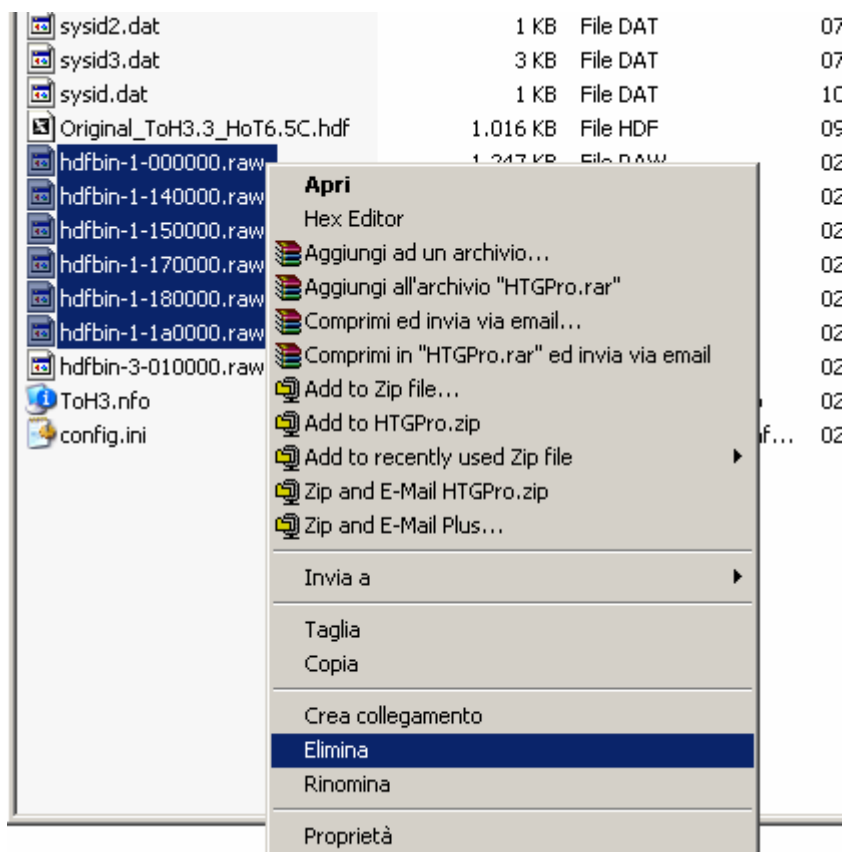
Hex Editor - [hdfbin-3-010000.raw]
File Edit View Tools Window Help

0000c010: 73 6b 61 7c 46 69 6e 73 6b 61 7c 44 61 6e 73 6b ska|Finska|Dansk
0000c020: 61 7c 4e 6f 72 73 6b 61 7c 53 76 65 6e 73 6b 61 a|Norska|Svenska
0000c030: 7c 47 72 65 6b 69 73 6b 61 00 00 00 c5 e6 cc e4 |Grekiska...ÅæIä
0000c040: ea d2 7c c3 e4 e5 c7 e6 ea 7c e1 d1 e6 d3 7c c5 è0|ÅääÇæè|aNæ0|Å
0000c050: ea d7 c7 e4 ea 7c c5 d3 c8 c7 e6 ea 7c c8 d1 ca èxÇæè|ÅÖÇæè|ENÈ
0000c060: da c7 e4 7c e7 e6 da c7 d1 ea 7c e1 e6 e4 e6 cf ŸÇä|çæŸÇNè|áæäæI
0000c070: ea 7c cf e6 e5 d1 e3 ea 7c e4 d1 e6 ed cc ed e5 è|IæäNæè|aNæiliä
0000c080: 7c d3 e8 ea cf ea 7c ed e6 e4 c7 e4 ed e5 00 00 |OèèIè|iæäÇäiä..
0000c090: 41 73 74 72 61 20 31 7c 41 73 74 72 61 20 32 7c Astra 1|Astra 2|
0000c0a0: 48 6f 74 62 69 72 64 7c 45 75 74 65 6c 73 61 74 Hotbird|Eutelsat
0000c0b0: 20 57 32 7c 45 75 72 6f 62 69 72 64 20 31 7c 41 W2|Eurobird 1|A
0000c0c0: 73 74 72 61 20 33 41 7c 54 65 6c 73 74 61 72 20 stra 3A|Telstar
0000c0d0: 31 31 7c 54 75 72 6b 73 61 74 20 31 43 7c 49 6e 11|Turksat 1C|In
0000c0e0: 74 65 6c 73 61 74 20 39 30 37 7c 49 6e 74 65 6c telsat 907|Intel
0000c0f0: 73 61 74 20 37 30 37 7c 48 69 73 70 61 73 61 74 sat 707|Hispasat
0000c100: 7c 54 68 6f 72 20 32 2c 33 7c 53 69 72 69 75 73 |Thor 2,3|Sirius
0000c110: 20 32 2c 33 7c 41 72 61 62 73 61 74 20 32 41 2c 2,3|Arabsat 2A,
0000c120: 33 41 2c 32 44 7c 41 6d 6f 73 20 31 7c 4e 69 6c 3A,2D|Amos 1|Nil
0000c130: 65 73 61 74 20 31 30 31 2c 31 30 32 7c 54 65 6c esat 101,102|Tel
0000c140: 65 63 6f 6d 20 32 44 7c 55 73 65 72 20 64 65 66 ecom 2D|User def
0000c150: 69 6e 65 64 00 00 00 00 00 00 00 00 00 00 00 00 ined.....
0000c160: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....

```

like you can see now we need to edit 17 sat descriptions like we need for our necessity ...
REMEMBER to EDIT but not change number of sat and separate they with “|” char.

After modification we need to reuse HTGPro for transform raw file again to hdf file for download it to our Hummy .. so ... because we have changed only last raw file we can delete all other raw file for have only one little hdf file and rename original hdf file with some other name... see later for have clear example:



after click Browse, for select file name, click on Execute and, after one windows with some info about, you have one file.hdf ready to upload to your Hummy .. like picture down

Nome	Dimensione	Tipo	Data ultima modifica
HDFtool.exe	63 KB	Applicazione	03/12/2000 18.45
HTGPro.exe	510 KB	Applicazione	21/11/2003 21.35
README.txt	3 KB	Documento di testo	17/11/2003 23.39
sysid1.dat	1 KB	File DAT	07/11/2003 9.49
sysid2.dat	1 KB	File DAT	07/11/2003 9.49
sysid3.dat	3 KB	File DAT	07/11/2003 9.50
sysid.dat	1 KB	File DAT	10/11/2003 22.58
Original_ToH3.3_HoT6.5C.hdf	1.016 KB	File HDF	09/01/2006 22.27
hdfbin-3-010000.raw	566 KB	File RAW	02/03/2006 23.59
ToH3.nfo	15 KB	Documento MSInfo	02/03/2006 23.27
config.ini	1 KB	Impostazioni di conf...	02/03/2006 23.56
modified languages file.hdf	302 KB	File HDF	02/03/2006 23.59
modified languages file.nfo	4 KB	Documento MSInfo	02/03/2006 23.59

remember to upload it with HDFSmart so you can easy have more useful info ... if for you make one KILLER PATCH .. of course (I hope) out of your intentions ... but normally it's very difficult to have problem with this simply editing.

Bye