Upgrade Procedure

Step 1. log in to the web admin with maint password (PGM162-FlexBtn3)
Step 2. delete all files in web admin

Step 3. You **must** have to upgrade **MFIM file first.**
(e.g) GS96**M**E0Do.rom

Step 4. You **must** reset MFIM system.
Please wait about 2-3 minutes after reset MFIM system.
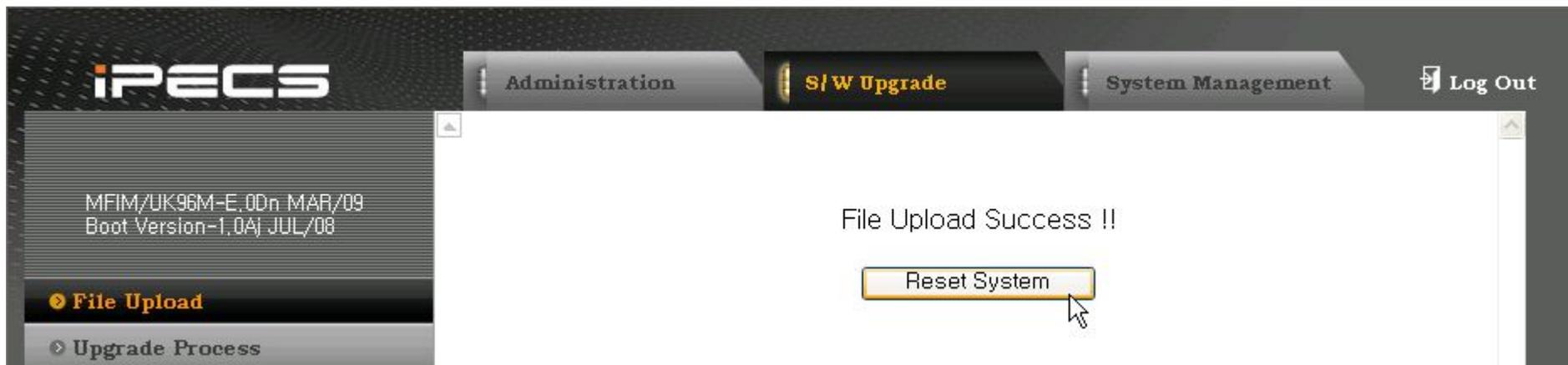
Step 5. You have to upload HTML rom file.
　　　　(e.g – GS96HE0Do.rom)

File Upload !!

Select Upload File and Wait for Uploading to end!!

ml-en GS96HE0Do.rom 　찾아보기...

Upload ③

S/W Upgrade ①　　　System Management　　　Log Out

Administration

File Upload ②

Upgrade Process

Upgrade Process View

VSF Prompt Upload

VSF SG Up&download

footer.htm File Read Failure!!

Step 6. You don't need to reset MFIM.
Press 'F5' key to refresh web admin page.
You can see normal web admin page.

Troubleshooting guideline about MFIM upgrade

Step 1. Please get the http trace.

To set http trace, please enter below string in mon> serial.
mon> t s call
mon> t s http

```
DeMerge:: Kernel Flash write [0x00280000] size 65536
DeMerge:: Kernel Flash write [0x00290000] size 65536
DeMerge:: Kernel Flash write [0x002a0000] size 65536
DeMerge:: Kernel Flash write [0x002b0000] size 65536
DeMerge:: Kernel Flash write [0x002c0000] size 52158
DeMerge:: Kernel Flash Update Success!!
 MergeFileRemove error [2]!
DeMerge:: ExtractFromMergedFile - [/mnt/msp/iPECS_Kernel_Image] [2411454]file extraction success
DeMerge:: Kernel write to the NAND [/mnt/msp/iPECS_Kernel_Image] success
DeMerge:: ExtractFromMergedFile - [/home/csmencaps.ko] [28560]file extraction success
DeMerge:: Merged File [/home/csmencaps.ko] extract success
DeMerge:: ExtractFromMergedFile - [/home/devBootEnv.ko] [21912]file extraction success
DeMerge:: Merged File [/home/devBootEnv.ko] extract success
DeMerge:: ExtractFromMergedFile - [/home/devMisc.ko] [8976]file extraction success
DeMerge:: Merged File [/home/devMisc.ko] extract success
 MergeFileRemove error [2]!
DeMerge:: ExtractFromMergedFile - [/home/devNet.ko] file write error [16384=-1]
DeMerge:: ExtractFromMergedFile - [/home/devNet.ko] file extraction fail
Http redirection to file upfail.htm on socket 177
```

As you see in above trace, file write error is occurred in /home directory.

Step 2. Delete HTML rom file.

So in this case, you have to check if HTML file is existing in /home directory in maint> serial.
If you find out HTML file like below capture file, you have to delete HTML rom like below figure.
1) Connect maint> serial.
2) Enter "dir d" to display /home directory.
3) Enter "del d GS97HE0Dk.rom" to delete HTML rom file.

```
maint> dir d

file name                                    size(bytes)    LSADlshr(attr)
=================================================================
LG-Nortel.crt                                583            frwxrwxrwx
LG-Nortel.pem                                573            frwxrwxrwx
appsub3                                      11             frwxrwxrwx
appsub1                                      11             frwxrwxrwx
appmain                                      11             frwxrwxrwx
appsub2                                      11             frwxrwxrwx
cakey.pem                                    963            frwxrwxrwx
prottx                                       11             frwxrwxrwx
pcatd                                        11             frwxrwxrwx
protrx                                       11             frwxrwxrwx
cacert.pem                                   3181           frwxrwxrwx
Makefile                                     417            frwxrwxrwx
_main_app1.rom                               17287000       frwxrwxrwx
devWatchDog.ko                               3440           frwxrwxrwx
GS97HE0Dk.rom                                3536252        frwxrwxrwx
devTwl.ko                                    3224           frwxrwxrwx
devSRAM1.ko                                  7112           frwxrwxrwx
devSEEPROM.ko                                3892           frwxrwxrwx
devRtc.ko                                    3440           frwxrwxrwx
--- Press any key to view more!
devNet.ko                                    183968         frwxrwxrwx
devMisc.ko                                   8976           frwxrwxrwx
devBootEnv.ko                                21912          frwxrwxrwx
csmencaps.ko                                 28560          frwxrwxrwx
>>> Total 23 file(s) exist on disk!
>>> Total 0 bytes are available on D drive!
maint> del d GS97HE0Dk.rom

>>> File was removed!
```

Step 3. Upgrade MFIM.

Please follow the operation of "Upgrade Procedure" in above ppt slide.
(Upload MFIM rom -> Reset MFIM -> Upload HTML rom)