UPGRADE PROCEDURE

- **OfficeServ 7400— UPGRADE METHOD 1: Using Spare Media Card (requires a media card reader/writer device)**

CAUTION

Please review the virtual cabinet information section carefully before upgrading your systems to v4.14k.

STEPS	PROCEDURE
0	Before beginning this upgrade procedure, access the GSBN website and download the file named ***7400_v414k_upgrade_pkg.zip*** to your PC. This can be found on GSBN under Communications➔Technical Support➔Downloads➔Software➔ OfficeServ 7200 Version 4.14k Upgrade Package. Once downloaded to your PC, this zip file should be extracted (un-zipped) to a separate folder. This zip file contains all the files required for the OfficeServ 7400 upgrade as mentioned in the steps below.
1	Install the latest version of the OS 7400 WebMMC version 1.17 (08.03.10). This WebMMC file is one of the extracted files from the ***7400_v414k_upgrade_pkg.zip*** that you just downloaded. The file is called ***OfficeServ WebMMC(20080310).zip***. Unzip this file to a subfolder on your PC and run the SETUP.EXE program to install or upgrade to the new WebMMC version 1.17. **IF** an existing version of WebMMC does NOT already exist on your PC, then you must first install the following 2 programs before WebMMC is installed: 1) JRE (Java Runtime Environment)- File: *jre-1_5_0_06-windows-i586-p* 2) Apache Tomcat- File: *apache-tomcat-5.5.15* These 2 files can be obtained from Samsung Tech Support or from the GSBN web site under Communications➔Technical Support➔Downloads➔Software *OfficeServ7400-WebMMC version_1.17 08.03.10*
2	The following files are required to upgrade your system to v4.14k. These files are contained in the ***7400_v414k_upgrade_pkg.zip*** file that was just downloaded and unzipped from step 0. The files required are as follows. A. MPE414k.PGM: This file is the main operating system software. B. LP40V117.PGM: This file is used to upgrade the LP40 card using MMC 818. C. LPPSV412.PGM: This file is used to upgrade the OS7200 expansion LCP card if installed with the OS7400 main cabinet. Use MMC 818 to upgrade. D. PRI_V107.PGM: This file is to upgrade the TEPRI card if needed with MMC 818. E. PR2_0210_V422.PGM: This file is used to upgrade the TEPRIa or TEPRI2 T1 Cards using MMC 818.

STEPS	PROCEDURE
3	Using a media card reader/writer device, copy these files to a spare **blank** MMC+ card (or Smart Media card if applicable) obtained from Samsung. Do NOT format this media card. You may delete existing files individually until this card is blank.
4	Connect to the OfficeServ 7400 (currently running the older 3.XX MP-40 software) with WebMMC v1.17 and download the database for backup to your PC. If the system asks you to convert the database, answer Yes. This converts the format of the database to the V4.14k format that must be used with the new operating system.
5	Using KMMC programming, use MMC 815 to backup the database to the MMC+ Card. This MMC+ card will now be your original media card with the older software and saved database. Once the save has completed, remove this card and store it in a safe place as this is your backup in case you ever need to revert to the older software with the original database.
6	Insert the New MMC+ Card with the new files you programmed in step 3 in to the MP-40.
7	Access MMC 746 and do a halt on the SVMi, if used. This halts the SVMi to prevent any possible data loss or corruption. The SVMi halt process is completed when the red 'SDN' LED turns green on the SVMi card.
8	Power cycle the OfficeServ 7400.
9	The OfficeServ 7400 will now reboot and come back up in a defaulted state. This will take approximately 3 minutes.
10	Access MMC 727 from KMMC programming and verify the MP40 version shows on the display V4.14k 08.03.17.
11	In MMC 830, verify the system IP address is the same as before the upgrade. If not, change it to the correct IP address.
12	Access the Switch with WEBMMC v1.17 and upload the database that was saved in Step 4. This will restore the original database to the system.
13	Access MMC 815 and complete a new backup to the MMC + Card.
14	Using WebMMC, perform a full database download again to your PC as a backup.
15	Via KMMC, use MMC 818 to upgrade TEPRI , TEPRI2, LP40 or LCP cards if required. Again, using MMC 727, verify the LCP, LP40 if used and any T1 cards have the correct version from the conversion chart supplied with this product bulletin.
16	You have completed the upgrade.

- **OfficeServ 7400— UPGRADE METHOD 2: Using the Existing Media Card-**
  No Spare (requires a media card reader/writer device)

STEPS	PROCEDURE
0	Before beginning this upgrade procedure, access the GSBN website and download the file named ***7400_v414k_upgrade_pkg.zip*** to your PC. This file can be found on GSBN under Communications➔Technical Support➔Downloads➔Software➔ OfficeServ 7400 Version 4.14k Upgrade Package. Once downloaded to your PC, this zip file should be extracted (un-zipped) to a separate folder. This zip file contains all the files required for the OfficeServ 7400 upgrade as mentioned in the steps below.
1	Install the latest version of the OfficeServ 7400 WebMMC version 1.17 (08.03.10). This WebMMC file is one of the extracted files from the ***7400_v414k_upgrade_pkg.zip*** that you just downloaded. The file is called ***OfficeServ WebMMC(20080310).zip***. Unzip this file to a subfolder on your PC and run the SETUP.EXE program to install or upgrade to the new WebMMC version 1.17. **IF** an existing version of WebMMC does NOT already exist on your PC, then you must first install the following 2 programs before WebMMC is installed: 3) JRE (Java Runtime Environment)- File: *jre-1_5_0_06-windows-i586-p* 4) Apache Tomcat- File: *apache-tomcat-5.5.15* These 2 files can be obtained from Samsung Tech Support or from the GSBN web site under Communications➔Technical Support➔Downloads➔Software➔ OfficeServ 7400—WebMMC Version 1.17 08.03.10.
2	The following files are required to upgrade your system to v4.14k. These files are contained in the ***7400_v414k_upgrade_pkg.zip*** file that was just downloaded and unzipped from step 0: The files required are as follows. A. MPE414k.PGM: This file is the main operating system software. B. LP40V117.PGM: This file is used to upgrade the LP40 card using MMC 818. C. LPPSV412.PGM: This file is used to upgrade the OS7200 expansion LCP card if installed with the OS7400 main cabinet. Use MMC 818 to upgrade. D. PRI_V107.PGM: This file is to upgrade the TEPRI card if needed with MMC 818. E. PR2_0210_V422.PGM: This file is used to upgrade the TEPRIa or TEPRI2 T1 Cards using MMC 818.

STEPS	PROCEDURE
3	Remove the existing MMC+ card from the OfficeServ 7400 and insert it into a media card reader/writer device. On the MMC+ card, • Delete all files from this MMC+ card. However, do not format this card. • Copy all the files listed in step 2 to this MMC+ card.
4	Remove the MMC+ card from the media reader/writer device and insert it into the OfficeServ 7400 MP-40.
5	Connect to the OfficeServ 7400 (currently running the older 3.XX MP40 software) with WebMMC v1.17 and download the database for backup to your PC. If the system asks you to convert the database, answer Yes. This converts the format of the database to the V4.14k format that must be used with the new operating system.
6	Access MMC 746 and do a halt on the SVMi, if used. This halts the SVMi to prevent any possible data loss or corruption. The SVMi halt process is completed when the red 'SDN' LED turns green on the SVMi card.
7	Power cycle the OfficeServ 7400 system.
8	The OfficeServ 7400 will now reboot and come back up in a defaulted state. This will take approximately 3 minutes.
9	Using KMMC programming, verify that MMC 727 shows an MP40 version 4.14k.
10	In MMC 830, verify the system IP address is the same as before the upgrade. If not, change it to the correct IP address.
11	Connect to the OfficeServ 7400 using the new WebMMC (v1.17) program and upload the database that was backed up in step 5. This restores the original database.
12	Access MMC 815 and complete a new backup to the MMC + Card.
13	Using WebMMC, perform a full database download again to your PC as a backup.
14	Via KMMC, use MMC 818 to upgrade TEPRI , TEPRI2, LP40 or LCP cards if required. Again, using MMC 727, verify the LCP, LP40 if used and any T1 cards have the correct version from the conversion chart supplied with this product bulletin.
15	You have completed the upgrade.

VIRTUAL CABINET INFORMATION

CAUTION

Please review this virtual cabinet information carefully before upgrading your systems to v4.14k.

Virtual Cabinets are logical storage placeholders in software for holding virtual or logical devices such as ITP phones, WIP phones, Virtual extensions, SPNET trunks, etc.. Basically, these are any logical devices that are not physically wired to the system.

Virtual cabinets appear in software emulating real cabinets with slots and ports. Each virtual cabinet will have slots. Each virtual slot will have virtual ports. These logical devices are then assigned or mapped to the virtual cabinet/slot/ports with its associated numbering plan. This allows you to manage these logical devices the same way you would manage a physical device, such as a digital key set and its extension number connected to a 8DLI card. In the case of an ITP phone, you can map it to a virtual cabinet, slot, and port with its extension number. In older software and legacy systems, logical devices were assigned in MMC 724 System Numbering Plan using indexes. Now they are assigned in the Virtual Cabinets just like physical device would be mapped to a real interface card in a real cabinet.

EACH SYSTEM WILL HAVE A DEFAULT VIRTUAL CABINET CONFIGURATION. THIS CONFIGURATION ASSIGNS SPECIFIC VIRTUAL DEVICE TYPES TO EACH VIRTUAL SLOT. THIS ASSIGNMENT GOVERNS THE NUMBER OF VIRTUAL /LOGICAL DEVICES THAT CAN BE ASSIGNED IN THE SYSTEM. **THIS DEFAULT CONFIGURATION CAN BE MODIFIED TO ACCOMMODATE YOUR SPECIFIC VIRTUAL DEVICE NEEDS USING MMC 857**. MMC 724 will still show all virtual devices but will refer to a virtual cabinet/slot and port instead of an index number as in previous software.

- **OfficeServ 7400 Virtual Cabinet Information**

  As with the OfficeServ 7100, the OfficeServ 7400 also was initially released with the Virtual Cabinet implementation. The only change related to Virtual cabinets in v4.14k is that the virtual device capacities have been modified and the default virtual cabinet configuration has changed from previous v3.x versions.

  The OfficeServ 7400 has:

  - Number of Virtual cabinets : 2 (Cabinet 4 ~ Cabinet 5)
  - Number of Slots per Cabinet : 12 (12slots / 1cabinet)
  - Number of Ports per Slot : 32 (32ports / 1slot)

  If you are converting an older database to the new v4.14k software and have virtual device counts that exceed the max values in the table below, then those devices will be deleted and cannot be re-assigned.

OfficeServ 7400 Virtual Cabinet Maximum Capacities

Device	Max Capacity
Virtual (SLT)	256 Max Ports
Virtual (DGP)	256 Max Ports
IP Phone (Desktop)	480 Max Ports
IP Phone (WIP)	128 Max Ports
Virtual (Conference)	128 Max Ports
SPNET IP Trunks	224 Max Ports
VOIP (H323) Trunking	64 Max Ports

OfficeServ 7400 Default Virtual Cabinet Configuration

Cabinet	Slot	Card Type	Cabinet	Slot	Card Type
4	1	SLT	5	1	WLAN ITP
	2	SLT		2	BRI STN
	3	DGP		3	BRI STN
	4	DGP		4	BRI STN
	5	WIRED ITP		5	GCONF STN
	6	WIRED ITP		6	GCONF STN
	7	WIRED ITP		7	SPNET TRK
	8	WIRED ITP		8	SPNET TRK
	9	WIRED ITP		9	SIP TRK*
	10	WIRED ITP		10	SIP TRK*
	11	WLAN ITP		11	H323 TRK
	12	WLAN ITP		12	H323 TRK

* Supported in future release only.