



*This version builds on enhancements made in HSP 2005. New features and better stability in version 2007 will make the planning process easier.*

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# Setup

Version 2007 can be installed alongside older versions of the HSP, if necessary. However, you cannot install two "Version 2007" HSPs on the same machine. It is recommended that you remove all older versions of the HSP from your system and install version 2007. Version 2007 contains updates and bug fixes that supersede all previous versions of the software.

The software can be downloaded by clicking on the following link or by contacting Gerald Inglett.

**Click on this link (or paste it in your browser) →** [http://www.theinnovagroup.com/file\\_list.asp?fa=../ftp/HSP%20Setup/](http://www.theinnovagroup.com/file_list.asp?fa=../ftp/HSP%20Setup/)

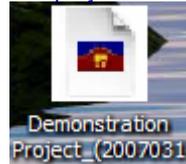
Select the "HSP2007\_Setup.exe" file to begin the installation. This is a large file, so a broadband internet connection is recommended.

***Once installed, there will be new icons which differentiate this version from previous ones.***

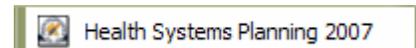
*On the desktop...*



*HSP project files...*



*Program menu item...*



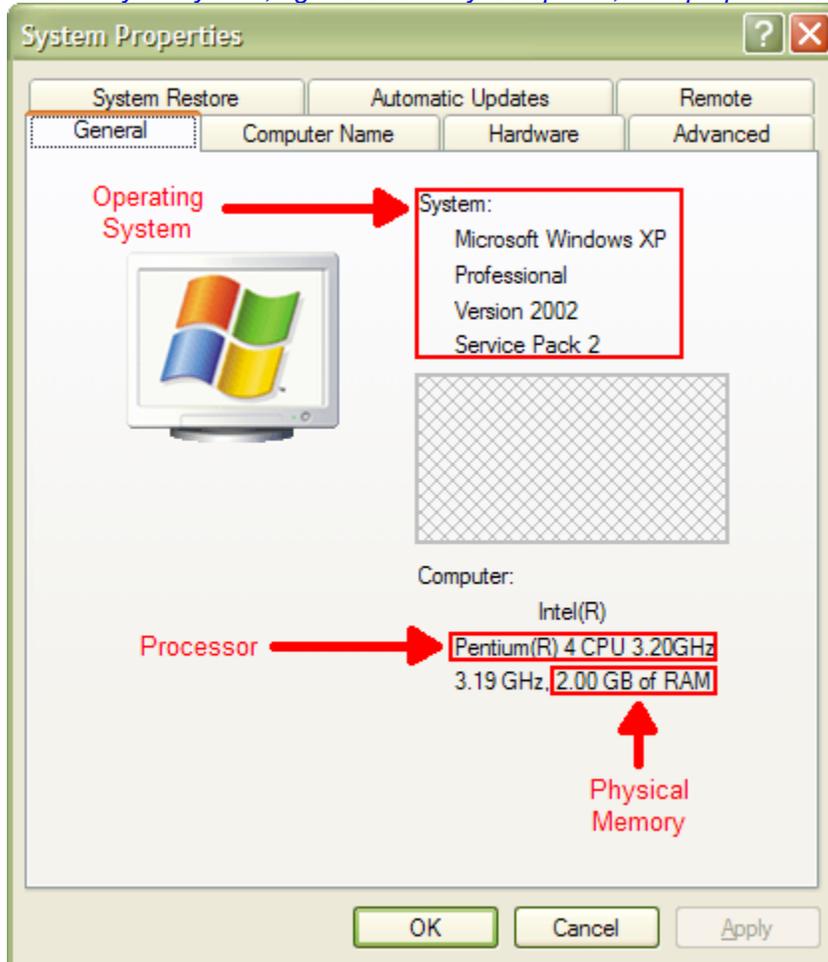
# System Requirements

The HSP requires an enormous amount of computer resources and memory. A system configured as follows will perform well with the HSP. Note, that the HSP will not work on Windows versions 95/NT or older. Also, as of this writing, it has not been tested on Windows Vista.

**Your computer should be configured at (or above) the following...**

- **Physical Memory** = 2 GB
- **Processor** = Pentium 4, 3.2 GHZ
- **Hard Drive** = 80 GB (with 40gb free), 7200rpm
- **Video Card** = 128 MB dedicated processor
- **Operating System** = Windows XP (Service Pack 2)

*To check your system, right-click on "My Computer", then properties...*



# Optimization Tips

Use the following as a guideline to help optimize your computer.

## 1) Use your computer's resources more effectively...

- a. **It is recommended that you close other programs that are running, but not required.** *This will free memory for the HSP.*
  - i. Instant messengers, email programs
  - ii. Screen savers
  - iii. Power management utilities
  - iv. Miscellaneous monitoring and notification programs
- b. If you have 2 GB or more of memory, **consider NOT using a virtual memory swap file.** This can be changed in the "System" control panel on the "Advanced" tab. Click on the "Settings" button in the "Performance" area. Click on the "Advanced" tab then click on the "Change" button in the "Virtual Memory" area. Select the "No paging file" option then click on the "Set" button. *This will free resources that Windows uses to maintain the swap file.*
- c. **Simplify the video display.** *This will speed screen updates and the overall performance of your system.*
  - i. Use the lowest resolution and color depth that is practical for you. The HSP requires a minimum resolution of 800 x 600 pixels. The color depth should be set to 16-bit or higher. Setting the color depth to 256 or lower may result in a "cartoonish" or "washed-out" look.
  - ii. Ensure that you are using a dedicated video card and not shared memory from your CPU for video rendering. Use of the main CPU's memory reduces the memory available to the HSP.
  - iii. Desktop wallpaper should be set to "None" or a simple pattern. Using big image files on your desktop consumes resources when the operating system renders visual elements on top of the desktop image.
- d. **Disable windows "themes".** In an effort to unify all of the visual elements in Windows, themes were introduced in Windows XP. To render these themes, windows takes extra steps to "skin" these visual elements. *Disabling this will free resources for the HSP and make screen refreshes faster.*

## 2) Managing your hard drive...

- a. Check the integrity of your hard drive once a month. *This will fix errors on your hard drive before they manifest themselves as errors in the HSP and Windows.*
  - i. Go to "My Computer"
  - ii. Right-click on your local drive (usually drive C)
  - iii. Click on properties, then tools, then the "Check Now" button under "Error Checking"
  - iv. Check the "Automatically fix..." and "Scan for..." checkboxes
  - v. Click on the "Start" button
- b. Ensure that you have ample free space on your hard drive. The HSP uses vast amounts of disk space for temporary files and database management. It is recommended that you have at least 25% free space OR 10 GB (whichever is greater) for the HSP. *Errors will occur if Windows cannot allocate disk space requested by the HSP.*
- c. Run a disk defragmenter once a week. This will take files that are located on different parts of the disk and consolidate them. This also consolidates free space. *The HSP (and Windows) will perform better when files and free space are in contiguous blocks.*

- 3) **Minimize the number of projects on the "Open" menu in the HSP.** The HSP is a database management system... The more data you have in the database (the number of projects), the slower the system will be. **It is recommended that you export, and then delete, all of the projects that are not being changed on a weekly basis.** *This yields a two-fold benefit of having your projects backed-up into safe ".HSP" files and reducing the amount of active data the HSP must maintain and sort through.*

## **New User Population**

The HSP's user population has been updated with the latest data (2005). By definition, "User Population" is the number of Native American registrants who have had at least one "direct" or "contract" inpatient, ambulatory or dental visit within the 3-year period that the user population was derived from. If a community does not show any activity in the 3-year window, it will not be in the user population. What this means is that projects created in earlier versions of the HSP (using older versions of the user population) may contain communities that are not in the current user population. When these projects are imported, the HSP will detect and warn you of this. The HSP will leave your project (and its communities) intact until you trigger a recalculation within the project. At that point, the HSP will drop the communities that no longer exist in the current user population.

# New Service Population

The HSP's service population has been updated with the latest data (2005). By definition, the service population is the census of Native Americans by state and county. It contains projected populations out to 2020. The HSP uses this data to project future needs based on the change in population from the current year to the projected year of your project. When you are in the "Community Selection" screen (see image below), you can see the affect the service population has on the user population (last column in the grid)...

Service Unit Name	Community Name	Market Share		User Population	
		Current	Future	Current	Future
GRAND PORTAGE	GRAND MARAIS	0.0	0.0	71	66
GRAND PORTAGE	GRAND PORTAGE	0.0	0.0	413	388
GRAND PORTAGE	HOVLAND	0.0	0.0	2	2
NON SERVICE UNIT	CLEVELAND	0.0	0.0	4	4
NON SERVICE UNIT	COLUMBUS	0.0	0.0	2	2
NON SERVICE UNIT	FOWLERVILLE	0.0	0.0	2	2
NON SERVICE UNIT	ROCKFORD	0.0	0.0	48	48
NORTHWESTERN WISCONSIN	AMERY	0.0	0.0	17	20
NORTHWESTERN WISCONSIN	ASHLAND	0.0	0.0	713	862
NORTHWESTERN WISCONSIN	BACON SQUARE	0.0	0.0	45	50
NORTHWESTERN WISCONSIN	BACON STRIP	0.0	0.0	48	51
NORTHWESTERN WISCONSIN	BALSAM LAKE	0.0	0.0	34	39
NORTHWESTERN WISCONSIN	BARBER TOWN	0.0	0.0	5	6
NORTHWESTERN WISCONSIN	BARNES	0.0	0.0	4	4
NORTHWESTERN WISCONSIN	BARRON	0.0	0.0	10	9
NORTHWESTERN WISCONSIN	BASHAW	0.0	0.0	40	45
NORTHWESTERN WISCONSIN	BAYFIELD	0.0	0.0	254	277
NORTHWESTERN WISCONSIN	BAYVIEW	0.0	0.0	1	1
NORTHWESTERN WISCONSIN	BIG ROUND LAKE	0.0	0.0	92	106
NORTHWESTERN WISCONSIN	BIG SAND LAKE	0.0	0.0	137	156
NORTHWESTERN WISCONSIN	BIRCHWOOD	0.0	0.0	18	21
				9,412	10,491

The "User Population – Current" column shows the user population that is currently in the HSP. The "User Population – Future" column shows the projected user population using ratios derived from the service population. The **red-shaded** areas represent declining user population. The **blue-shaded** areas represent no growth due to missing service population data. The remaining areas show ascending growth (rounding on smaller populations may not show an increase for the future).

# Departmental Updates

The following departments have been updated to better serve the planning effort.

## Diagnostic Imaging

Diagnostic imaging has moved away from the 'template' system to a more dynamic space allocation algorithm. In the past, you could qualify for templates (di1-di3). The old templates are supported in old projects. However, the HSP will no longer allocate those templates. If an old project is recalculated, the new allocation will take affect and the old templates will be discarded. A new workload approval screen (see below) has been created to track the expanded modalities and the number of analog/CR machines.

**HSP - Workload Approval - Diagnostic Imaging**

Projected  Current  MRI - Has HQ Approval

	Radiography	Fluoroscopy	Ultrasound	Mammo.	CT	MRI	BMD
Project and Nearby Total workload	5,731	407	836	1,401			
Contracted Due to Acuity							
Contracted/Referred Due to Threshold							
Facility Workload	5,731	407	836	1,401			
<b>Recommended Workload</b>	<b>0</b>						
Required Machines	1		1	1	1		
Number of Existing Analog Machines							
Number of Existing (CR) Machines							

Specify a justification for recommended workload overrides

The 'Required Machines' show the needed number of rooms based on workload. Specify the existing analog and CR machines (rooms) in this facility. The HSP will automatically adjust the space program based on your entries.

'MRI' requires headquarters' approval. When this approval is given, check the 'MRI - Has HQ Approval' checkbox. Space for 'MRI' will be added once this is done.

Buttons: Save, Cancel, Notes to the Planner, Calculation Method, Exit

Based on the workload values across the modalities and the existence of analog/CR machines; the space allocation will be allocated dynamically (see below).

**HSP Space Program Management (DI)**

Diagnostic Imaging (Out-of-template spaces)...  Hide "Deleted" rooms (qty = 0)

#	RFN Code	Suggested Spaces	Qty	Size	Total	Comments
0	ALXP1	ALCOVE X-RAY PORTABLE	2	3.00	6.00	
0	ALTR1	ALCOVE, DIGITIZER	1	3.00	3.00	
0	ALFQ1	ALCOVE, FILM QC	1	4.00	4.00	
0	ALLN1	ALCOVE, LINEN	4	0.60	2.40	
0	CNCT1	CONTROL, CT	1	18.00	18.00	
0	CNRC2	CONTROL, RECEPT.	1	12.00	12.00	
0	FPDI1	DIGITAL IMAGING PROCESSING	2	8.00	16.00	
0	DRHC1	DRESS, HC	4	4.00	16.00	
0	HDPT1	HOLDING AREA	1	8.00	8.00	
0	UTSL1	HOLDING, SOILED	1	7.00	7.00	
0	HSKP1	HOUSEKEEPING	1	4.00	4.00	
0	ALLG1	LOUNGE, STAFF	1	3.00	3.00	
0	OFRD2	OFFICE, CHIEF TECH.	1	11.00	11.00	
0	OFFR1	OFFICE, FILM READ	1	6.00	6.00	
0	OFSW1	OFFICE, SHARED WORK	1	6.00	6.00	
0	HDPT2	PATIENT PREP., CT	1	12.00	12.00	
0	PRCT1	PROCEDURE, CT	1	36.00	36.00	

Room Details... Total Spaces: 42 Net SM: 319.00 Justification

I want to manually specify 'Planned' space Conv. Factor: 1.40 Gross SM: 446.60 Exit

## Emergency

This department uses templates for space allocation. These templates have been restructured from 3 to 11 levels. This results in a better-sized ER department for the projected visits.

**Emergency - WorkLoad Approval**

**CURRENT AND PROJECTED NATIVE WORKLOAD**

Workload Unit	Year	Total WorkLoad	Contracted Due To Acuity	Contracted / Referred Due To Threshold	Unmet Needs	Cross Over %	Facility Workload
Emergency Room Visits	2005	5141	0	0	5141	0	5141
Emergency Room Visits	2015	6115	0	0	6115	0	6115

Provide the Justification for the Recommended Workload

Recommended WorkLoad

See Template Results    Notes to the Planner    Calculation Method    **OK**

**Prerequisites...**

Level	Min	Max
ED2	1	2298
ED3	2299	4596
ED4	4597	6894
ED5	6895	9192
ED6	9193	11490
ED7	11491	13788
ED8	13789	16086
ED9	16087	18384
ED10	18385	20682
ED11	20683	22980
ED12	22981	25278

Ranges    Other

## Laboratory

This department uses templates for space allocation. These templates have been restructured from 4 to 11 levels. This results in a better-sized Lab department for the projected tests.

**Laboratory - WorkLoad Approval**

Projected Native Workload    Projected Non Native Workload    Current Native Workload

	Chem / HRMA Immun / Urin	Immuno - hematology	Microbiology	Histology
Project + Nearby Total Workload	72495	1549	14951	952
Contracted Due to Acuity	4350	31	5980	952
Contracted / Referred Due to Threshold	0	0	0	0
Facility Workload	68145	1518	8971	0
Recommended Workload	0	0	0	0

Provide the Justification for the Recommended Workload

See Template Results    Notes to the Planner    Calculation Method    **OK**

**Prerequisites...**

Level	Min	Max
LB_0	0	0
LB_1	1	20330
LB_2	20331	39801
LB_3	39802	78742
LB_4	78743	98213
LB_5	98214	137155
LB_6	137156	156626
LB_7	156627	215039
LB_8	215040	253961
LB_9	253962	292923
LB_10	292924	312120

Ranges    Other

## Security

This department is new and will be automatically added to old projects upon recalculation. Space allocation is done through a dynamic allocation table instead of pre-defined templates. It is located on the discipline screen under the "Administration" workload unit (tab).

**Demonstration Project - Administration - Security**

SACF | Ambulatory | Preventive | Inpatient | Ancillary | Behavioral | **Administration** | Facility Support | Additional Services | Support Services

Administration | Information Management | Business Office | Health Information Management | **Security**

#	RRM Staff Position	HSP Staff Position	Drives Space	Existing (total)	Existing (recurring)	RRM	Planned	Daytime	Staff Comment
0	Security FTE	Security Guard	<input type="checkbox"/>	0.0	0.0	4.00	4	0	
0		Supervisor	<input type="checkbox"/>	0.0	0.0	0.00	0	0	
0		Admin Assistant	<input type="checkbox"/>	0.0	0.0	0.00	0	0	
<b>Totals :</b>				<b>0.0</b>	<b>0.0</b>	<b>4.00</b>	<b>4</b>	<b>0</b>	<b>Discipline Comments</b>

I want to manually specify 'Planned' staffing  
*Staffing positions that do not drive space will require manual space planning.*

Space Program... | Design Notes... | Function Sketch

Capacity Analysis... | Reports... | eXit Discipline Info

## Surgery

This department uses templates for space allocation. These templates have been restructured from 1 to 7 levels. This results in a better-sized surgery department for the projected episodes. Changes to the workload approval screen (see below) make planning for surgery easier.

**Surgery - WorkLoad Approval**

Projected Native Workload | Projected Non Native Workload | Current Native Workload

Workload Unit	Total Workload	Contracted Due To Acuity	Contracted / Referred Due To Threshold	Unmet Needs
Endoscopy Episodes	189		0	189
Inpatient Episodes	303	197	0	106
Outpatient Episodes	801	320	0	481
<b>Total</b>				<b>776</b>

Births (from LD): 312

**Cross Over %** | **Total Facility Workload**

Total | 776 | 0 | 776

*Determining factors for the surgery template assignment...*  
 IP/OP/Endo Episodes and Births (300+)

**Prerequisites...**

Level	Min	Max
sg_0	N/A	N/A
sg_1	N/A	N/A
sg_2	N/A	N/A
sg_3	750	1499
sg_4	1500	2249
sg_5	2250	2999
sg_6	3000	3749

**Recommended WorkLoad**

Inpatient: 0  
 Outpatient: 0  
 Endoscopy: 0  
 Total: 0

See Template Results | Notes to the Planner | Calculation Method | **OK**

Ranges | Other

# Equipment Updates

Equipment attributes have been greatly expanded to improve the equipment planning function in the HSP.

This new screen is accessible from the 'Data Maintenance' menu or from the various space program screens in each of the disciplines. The equipment attributes have been greatly expanded as shown below. The current "Equipment List" report will now contain up-to-date equipment costs.

HSP Equipment Details
✕

ANL366

ANALYZER, CHEMISTRY, MULTICHANNEL  
 FACILITY TO DETERMINE WHETHER ANALYZER TO BE CAPITAL PURCHASE OR PER TEST LEASE

**Acquisition...**

Manufacturer: Beckman Coulter  
 Mode#: SYNCHRON CX 7 OR CX9 PRO  
 Catalog#:

**Impact Flags / Notes...**

Architectural  
  
 Electrical  
  
 Plumbing  
  
 Mechanical  
  
 Seismic  
 Remote Alarm  
 Structural  
 Wireless Antennae System  
 Color Selection Required  
 Telecomm  
 TV Connection

REQUIRES DATA JACK FOR RS-232C SERIAL  
 ALLOW 36" CLEARANCE TO RIGHT OF ANALYZER  
 FOR COMPUTER, 12" CLEARANCE ABOVE  
 ANALYZER AND 18" CLEARANCE BEHIND  
  
 ANALYZER: 220V/60HZ, 20A  
 COMPUTER AND MONITOR: 120V/60HZ  
 PRINTER: 120V/60HZ  
 REFER TO VENDOR INFORMATION FOR ALL DETAILS  
  
 REQUIRES DEIONIZED WATER SOURCE  
 REQUIRES DRAIN  
 REFER TO VENDOR INFORMATION FOR SPECIFIC  
 DETAILS  
  
 HEAT OUTPUT: 6,400 BTU/HR

**Pricing...**  GSA \$  Date

**Dimensions...**

Width	74.00	In.	187.96	cm.
Depth	30.00	In.	76.20	cm.
Height	69.00	In.	175.26	cm.
Weight	1,135.00	Lbs.	514.83	kg.

**Mounting...**

Wall  
 Wall / Floor  
 Floor  
 Ceiling  
 Countertop  
 Mobile

Special Mounting Considerations...

**Design Responsibility...**

Equipment  
 Furniture  
 IT / IS

Architectural  
 Electrical  
 Mechanical

# New Capacity Analysis Function

A new screen has been created to compare the existing assets with the future need calculated by the HSP.

The HSP calculates the numbers in the "Need" column. As you specify values in the "Existing" column, the HSP will calculate the "% Existing" and highlight it according to the color legend. A new report has been added to the reports menu reflecting the information on this screen.

**HSP - Capacity Analysis**

Primary Care

**% Existing Legend**

- < 33%
- 33% - 66%
- 67% - 100%
- > 100%

#	Key Characteristic	Existing	Need	% Existing
1	Primary Care Provider Visits	50,000.00	54,413.00	91.89
2	Exam Rooms	36.00	36.00	100.00
3	Providers	15.00	14.00	107.14
4	Provider Offices	4.00	14.00	28.57
5	Total Staff	40.00	65.00	61.54
6	DGSF	12,500.00	16,167.39	77.32
7	DGSM	1,161.29	1,502.00	77.32

Edit Display Order *Specify the existing assets under the 'Existing' column.*

**Functional Deficiencies**

This is a test of the functional deficiencies comment area

Save Cancel Exit

## **RRM Updates**

A new RRM has been installed and the HSP has been updated to read in the new (and changed) staffing positions. The HSP will automatically update projects containing older versions of the RRM when a project is recalculated.

# Miscellaneous Updates

## Space Program Management...

The various space program screens (including additional services) now use the new "Room Details" screen for space selection and lookup. This allows you to see all of the attributes of a room (including the equipment list) when planning space. Click on the "Add Space +" button...

SG\_3 Surgery 3  Hide "Deleted" rooms (qty = 0)

RFN Code	Suggested Spaces	Qty	Size	Total	C
ALDC1	ALCOVE DICT.	1	5.00	5.00	
ALCS1	ALCOVE, SCALE	1	4.00	4.00	
ALSC1	ALCOVE, SCRUB	2	1.00	2.00	
ALXP1	ALCOVE, XRAY	1	2.50	2.50	
WRAN1	ANESTHESIA WORK	1	13.20	13.20	
CNNA2	CONTROL NURSING	2	10.00	20.00	
TSPA1	DRESSING, TOILET, PATIENT	2	5.00	10.00	

Net Square Meters: 515.60  
Gross SM: 851.00

Press <Enter> in the RFN Code column to change the RFN

#	RFN Code	Planned Spaces (Click here to add) +	Qty	Size	Total	Comments
0	ALDC1	ALCOVE DICT.	1	5.00	5.00	
0	ALCS1	ALCOVE, SCALE	1	4.00	4.00	
0	ALSC1	ALCOVE, SCRUB	2	1.00	2.00	
0	ALXP1	ALCOVE, XRAY	1	2.50	2.50	
0	WRAN1	ANESTHESIA WORK	1	13.20	13.20	
0	CNNA2	CONTROL NURSING	2	10.00	20.00	
0	TSPA1	DRESSING, TOILET, PATIENT	2	5.00	10.00	

Room Details... **Add Space +** Total Spaces: 59 Net SM: 515.60  
Gross SM: 851.00 Justification  
 I want to manually specify 'Planned' space Exit

Then, select a room (I chose "OFFR1" in this case). Then, press the "Select This Room" or "Create Non-stand. Room" or "Cancel" button

**HSP - Select a Room**

**Finishes...**

Wall	GWB/PT
Base	RUBBER
Floor	CPT
Ceiling	ACT
Ceiling Height	2400

**Architectural / Planning...**

Door Type	N/A
Door Size	N/A
Hardware Set	N/A
Ambient Noise	NC 30-35
Speech Privacy	NORMAL
Area - Net m <sup>2</sup>	6

OFFICE, FILM READING      OFFR1

**Drawing...**     Clip     Isometric     Stretch    Not to Scale

**Notes...**

**HVAC**

**Power** Duplex receptacles every 1.2 m at countertop

**Lighting** MAIN TASK IS READING ILLUMINATED FILM. LOW GLARE. DIMMABLE LIGHT.

**Comm.** TELEPHONE, DATA

JSN	Nomenclature	Qty
BRD502	BOARD, BULLETIN 24X36"	1
F0205	CHAIR, SIDE W/ARMS	1
F0300	CHAIR, TASK, W/ARMS	1
F0412	CABINET, FILING, 2 DRAWER, MOBILE	1
F2000	RECEPTACLE, WASTE, FIRE RESISTANT, 7 QT	1
M1800	COMPUTER, DESKTOP	1
PACS501	PACS WORKSTN, DIAGNOSTIC	1
X3990	ILLUMINATOR, FILM, 4 BANK, WALL MTD	1

Equipment Details...           

**Workload Approval Screens...**

To better facilitate the planning process template attainment indicators have been added to the discipline tabs and the workload approval screens...

Notice the template levels can be easily seen without having to drill into the workload approval screens...

**Demonstration Project - Ambulatory - Primary Care (pcp14)**

SACF	<b>Ambulatory</b>	Preventive	Inpatient	Ancillary	Behavioral	Administration	Facility Support	Additional Services	Support Services
Primary Care (pcp14)		Eye Care (ec2)	Audiology (au2)	Dental Care (dcc14,dcc18)		Emergency (ed4)	Specialty Care		

Also, the prerequisites area now highlights the level(s) attained.

**Primary Care - WorkLoad Approval**

**CURRENT AND PROJECTED NATIVE WORKLOAD**

Workload Unit	Year	Total WorkLoad	Contracted Due To Acuity	Contracted / Referred Due To Threshold	Unmet Needs	Cross Over %	Facility Workload
Primary Care Provider Visits	2005	45819	0	0	45819	0.00	45819
Primary Care Provider Visits	2015	54413	0	0	54413	0.00	54413

Provide The Justification for the Recommended Workload

Recommended WorkLoad

See Template Results    Notes to the Planner    Calculation Method    **OK**

**Prerequisites...**

Level	Min	Max
PCP2	4400	8449
PCP3	6450	10750
PCP4	10751	15050
PCP5	15051	19350
PCP6	19351	23650
PCP7	23651	27950
PCP8	27951	32250
PCP9	32251	36550
PCP10	36551	40850
PCP11	40851	45150
PCP12	45151	49450
PCP13	49451	53750
<b>PCP14</b>	<b>53751</b>	<b>58050</b>
PCP15	58051	62350
PCP16	62351	66650
PCP17	66651	70950
PCP18	70951	75250
PCP19	75251	79550
PCP20	79551	83850
PCP21	83851	88150
PCP22	88151	92450
PCP23	92451	96750

Ranges    Other

In the case of multiple template assignments, multiple templates are highlighted and a new message is shown to draw attention to this. It is possible to attain 2 "DCC14" templates. Without the new note, it would appear that you only attained a single "DCC14" template...

**Dental Care - WorkLoad Approval**

**CURRENT AND PROJECTED NATIVE WORKLOAD**

Workload Unit	Year	Total WorkLoad	Contracted Due To Acuity	Contracted / Referred Due To Threshold	Unmet Needs	Cross Over %	Facility Workload
Dental Service Minutes	2005	1138675	0	0	1138675	0	1138675
Dental Service Minutes	2015	1349780	0	0	1349780	0	1349780

To properly serve the projected workload, multiple templates were assigned (see the highlighted rows in the grid)...  
dcc14 , dcc18

Provide the Justification for the Recommended Workload

Recommended WorkLoad

See Template Results    Notes to the Planner    Calculation Method    **OK**

**Prerequisites...**

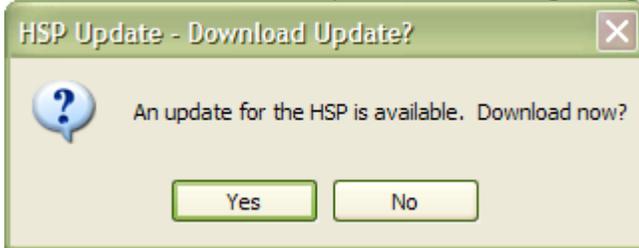
Level	Min	Max
DCC5	1	170000
DCC6	170001	230000
DCC7	230001	254000
DCC8	254001	278000
DCC9	278001	326000
DCC10	326001	384000
DCC11	384001	432000
DCC12	432001	480000
DCC13	480001	528000
<b>DCC14</b>	<b>528001</b>	<b>576000</b>
DCC15	576001	600000
DCC16	600001	648000
DCC17	648001	672000
<b>DCC18</b>	<b>672001</b>	<b>720000</b>
DCC19	720001	744000
DCC20	744001	792000
DCC21	792001	864000
DCC22	864001	912000
DCC23	912001	980000
DCC24	980001	1008000

Ranges    Other

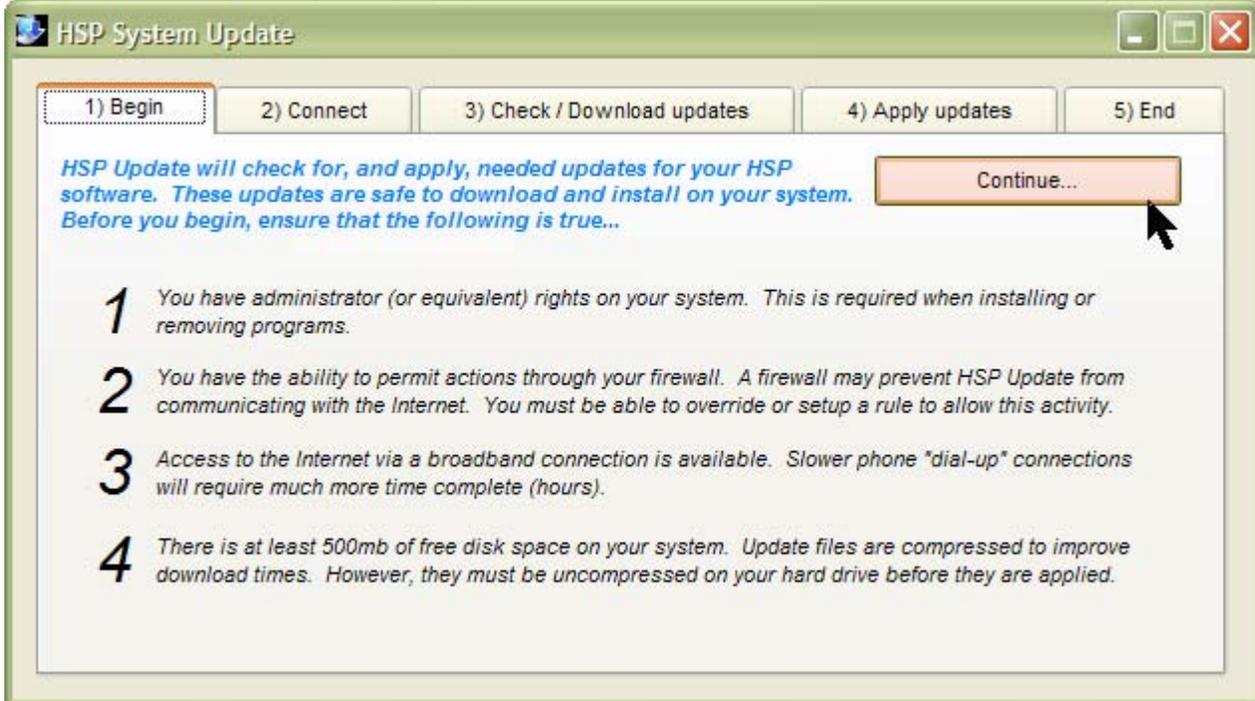
## Automatic Updates...

When the HSP loads, it will automatically check for updates. If updates are available, you can choose to install them or delay the updates when it is more convenient. You should keep your HSP up-to-date so that you have the latest changes and bug fixes on your system.

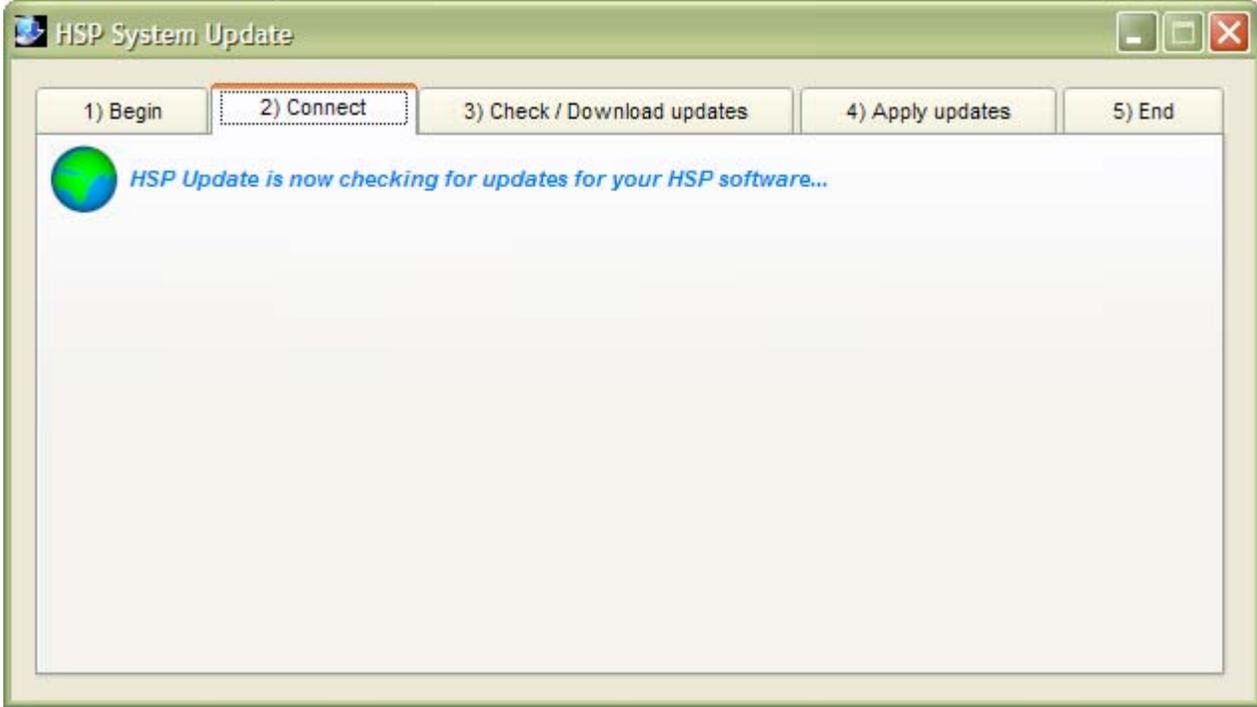
When the HSP detects an update, the following dialog will appear...



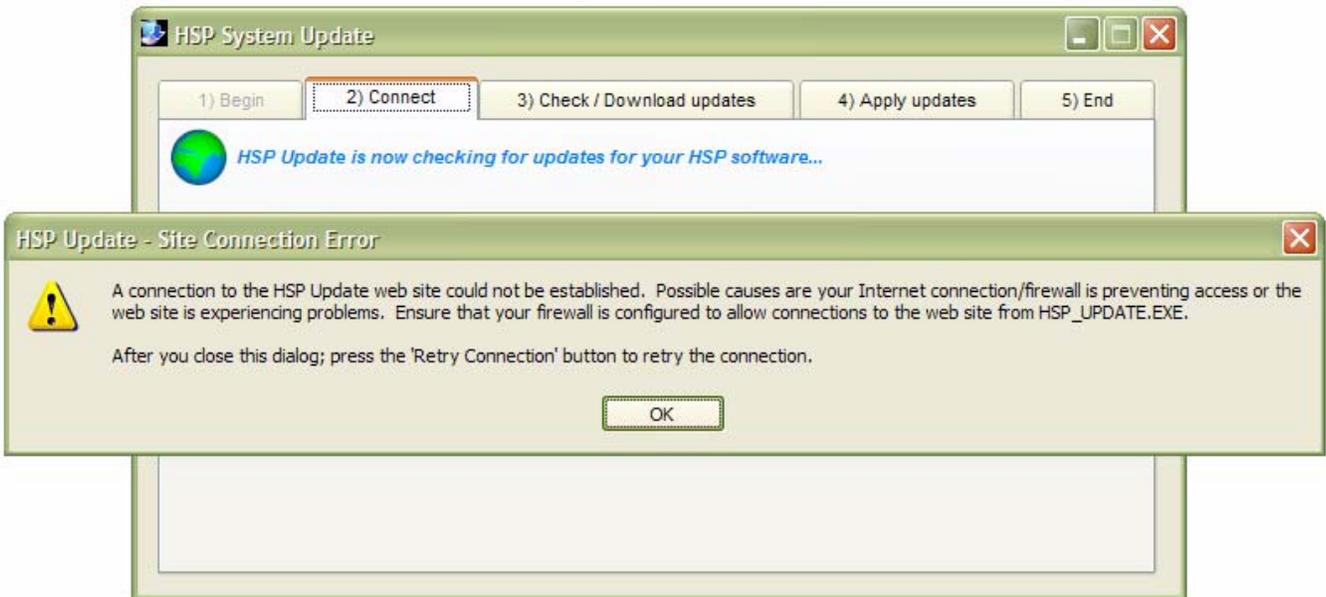
If you answer "Yes", the "HSP Update" program will guide you through the update process. The first screen outlines what is required by the update process. Press the "Continue..." button to connect to HSP's web site.



HSP Update will now attempt to connect to the Internet. You must be connected to the Internet and your firewall software must be configured to allow connections from HSP\_UPDATE.EXE.



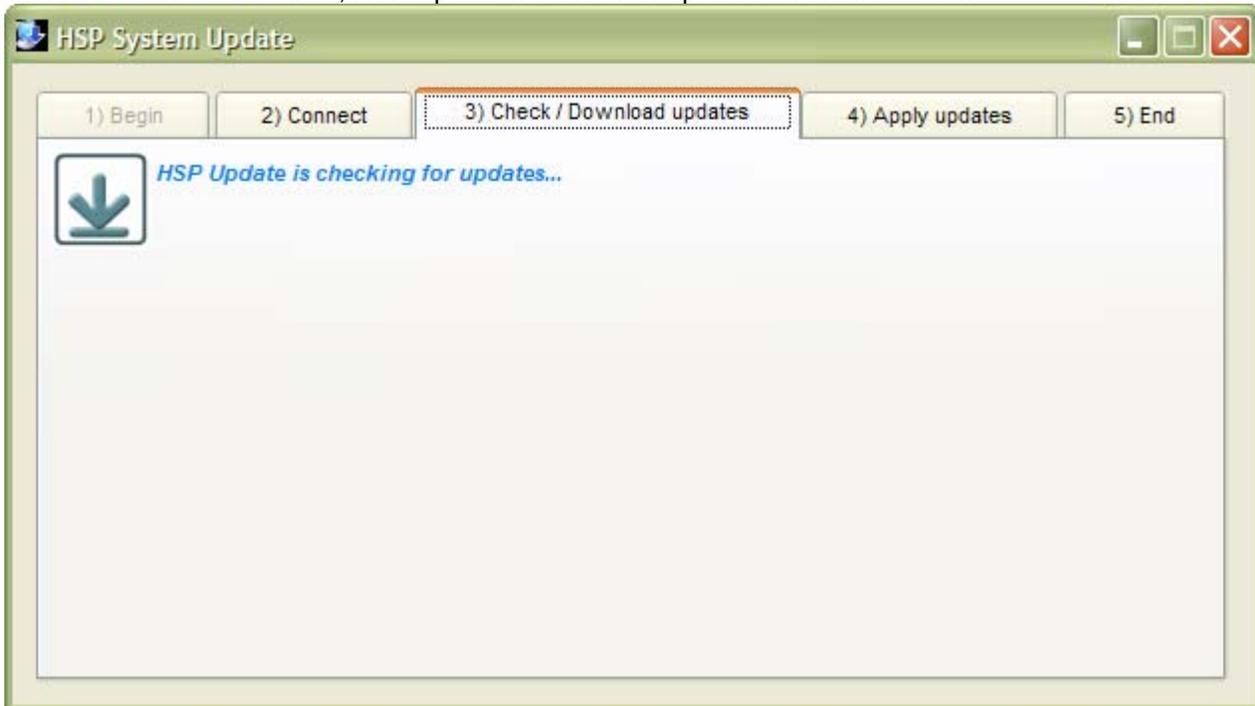
If a connection cannot be established, the following will appear...



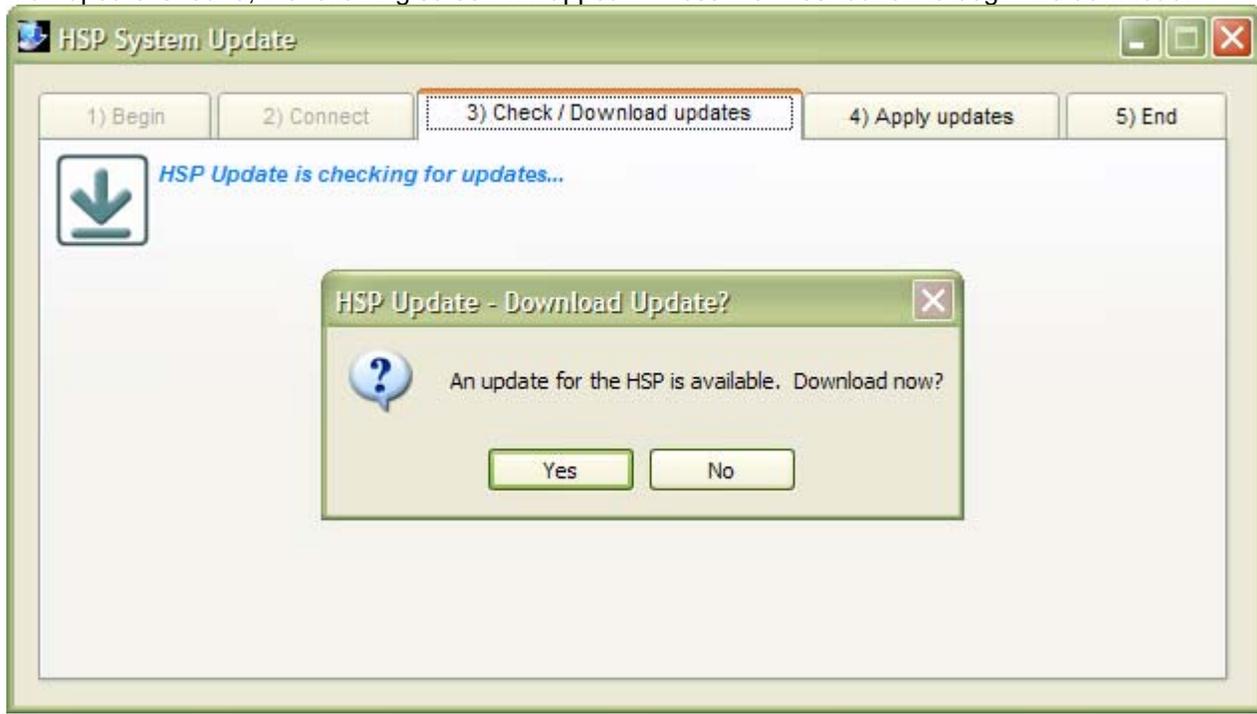
After you press the "OK" button, HSP Update will show the following screen which allows you to correct the error and retry the connection.



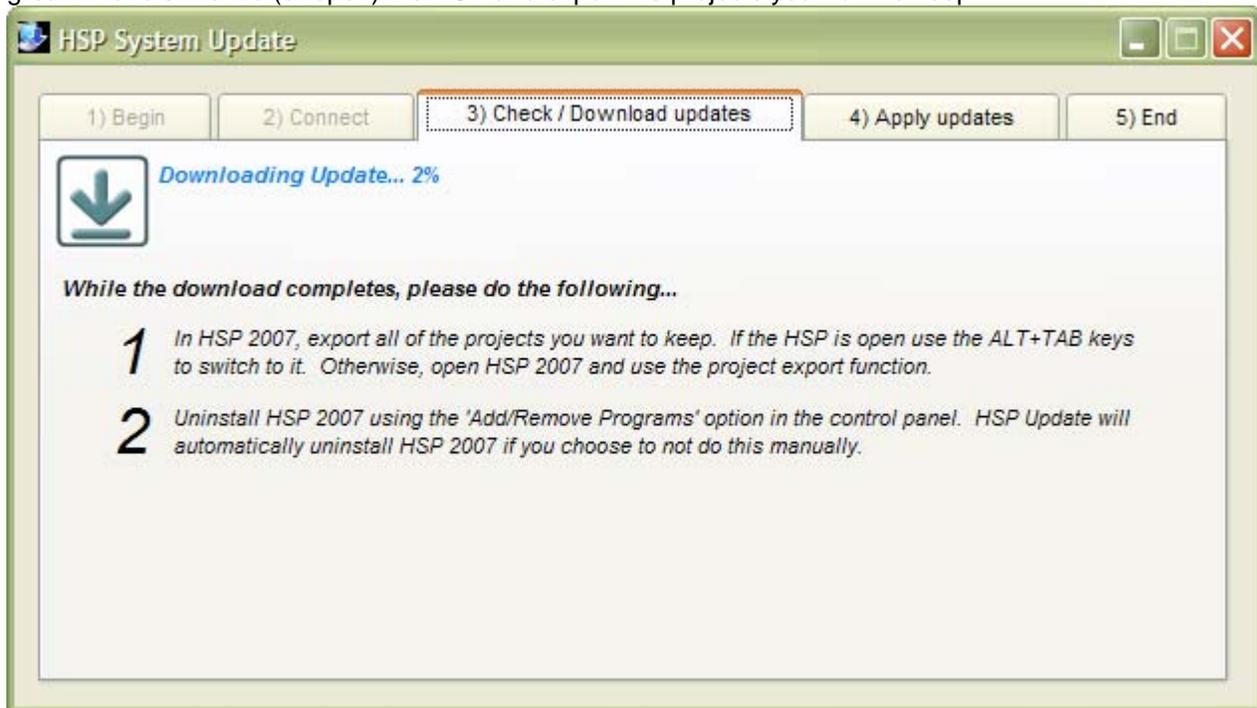
Once the connection is fixed, HSP Update will check for updates on the web site...



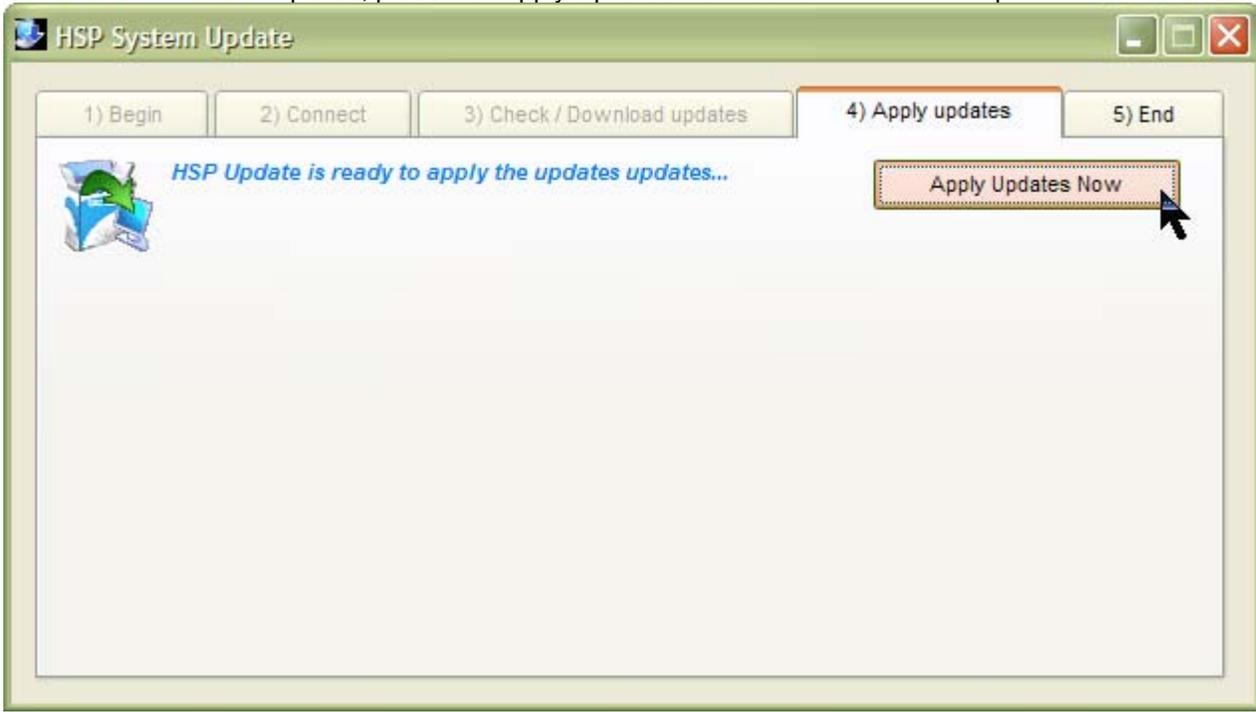
If an update is found, the following screen will appear. Press the “Yes” button to begin the download.



Depending on the speed of your Internet connection, the download can take from just a few minutes to hours (phone dialup). The current progress of the download is displayed as a percentage (in blue). This would be a great time to switch to (or open) the HSP and export the projects you want to keep.

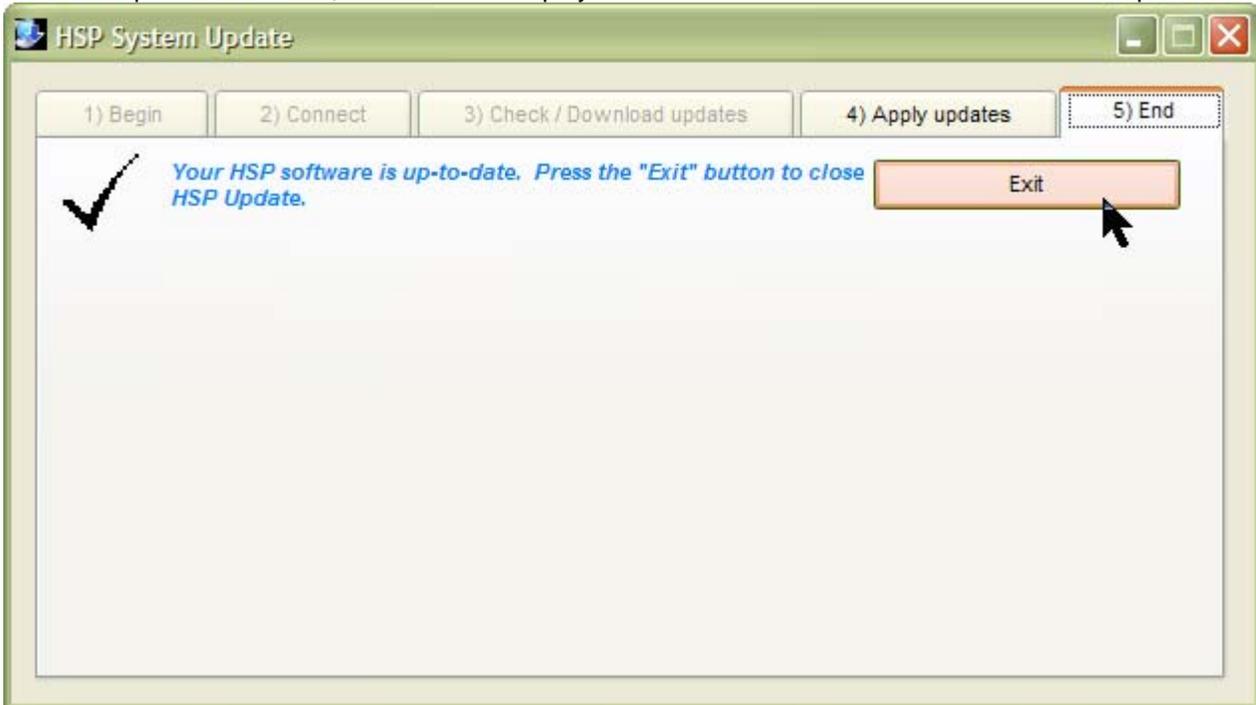


Once the download completes, press the “Apply Updates Now” button to install the update.



HSP Update will now apply the update to your system.

Once the update is installed, this screen is displayed. Press the “Exit” button to close the HSP Update.



- END -