Picis

8.6 MR7 Release Notes

Picis Perioperative and Critical Care 8.6

Contents

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1. Introduction – Release Identifier

This document contains the Release Notes for 8.6 MR7.

This is a cumulative release that includes all functionality released with the previous minor releases and service packs.

The following list shows the chronology of releases for the 8.6 product line to date (not including patches).

- **8.6 Base Release**
- 8.6 Base SP1
- **8.6 MR1**
- 8.6 MR1 SP2
- 8.6 MR1 SP3
- 8.6 MR1 SP4
- 8.6 MR1 SP5
- **8.6 MR2**
- **8.6 MR3**
- 8.6 MR3 SP6
- **8.6 MR4**
- 8.6 MR4 SP7
- **8.6 MR5**
- 8.6 MR5 SP8
- **8.6 MR6** (originally released as 8.6 MR5 SP8.1)
- **8.6 MR7**

Note that the numbering system for service packs continues from the previous service pack rather than restarting after each minor release.

The build number for this release is 8.6.700.10.

1. Introduction – Release Identifier

1.1. Terminology

Term	Definition
ADT	Admit/Discharge/Transfer
"Anesthesia Manager etc."	Anesthesia Manager, PACU Manager and Critical Care Manager are collectively referred to as 'Anesthesia Manager etc.'
"Clinical modules" system	A networked system of servers and workstations running one or more of the following modules: *Preop Manager*, *Anesthesia Manager*, *PACU Manager, Critical Care Manager*. The system uses the CAR and PSM databases
CCOW	Stands for "Clinical Context Object Workshop." This is a standard that coordinates the currently active user and patient in participating applications, on a workstation.
Clinical services	PCM, CPS, and Picis print service used by the "clinical modules".
Printouts Builder	A tool used to create printout templates. Note that Printouts Builder is embedded within Customize.
Picis Hub	An application that provides centralized single sign-on access to Perioperative and Critical Care software.
Picis (web) Services	The catalog of centralized, back-end web services that supply capabilities and data to applications and other Perioperative and Critical Care components.
Public folder	The term "Public folder" refers to the shared folder location where the Perioperative and Critical care software installation resides. The exact name of this folder may vary, but the location where the installed software exists is referred to as the Public folder throughout this document.

"Administrative modules" system	A networked system of servers and workstations running OR Manager. (It may also include OR Manager Web Access and/or SmarTrack). Some workstations will also run Security Manager, the tool used to control user and group access to modules. The basic "administrative modules" system uses three databases (PSM, ORM, and IDB). If SmarTrack is installed then yet another database is needed (TRK).
ADT	Admit/Discharge/Transfer
"Anesthesia Manager etc."	Anesthesia Manager, PACU Manager and Critical Care Manager are collectively referred to as 'Anesthesia Manager etc.'

Browser-based (thin clients)	OR Manager Web Access SmarTrack Thin Client OR Extelligence Anesthesia Extelligence
CCOW	Stands for "Clinical Context Object Workshop." This is a standard that coordinates the currently active user and patient in participating applications, on a workstation.
Clinical services	PCM and CPS services used by the "clinical modules".
"Clinical modules" system	A networked system of servers and workstations running one or more of the following modules: *Preop Manager*, *Anesthesia Manager*, *PACU Manager, Critical Care Manager*. The system uses the CAR and PSM databases
Printouts Builder	A tool used to create printout templates. Note that Printouts Builder is embedded within Customize.
Picis (web) Services	The catalog of centralized, back-end web services that supply capabilities and data to applications and other Perioperative and Critical Care components.
Public folder	The term "Public folder" refers to the shared folder location where the Perioperative and Critical care software installation resides. The exact name of this folder may vary, but the location where the installed software exists is referred to as the Public folder throughout this document.
'Total Perioperative Automation (TPA)' system (also known as Perioperative Integration)	Integration between a "clinical module" system and an "administrative module" system such that certain patient data is shared between them. Also called "integrated systems". (Unless otherwise specified, the terms integrated and integration refer to perioperative integration).
Transaction processors	"Administrative module" components that carry out specific tasks related to the data flow within an administrative system (Surgsync, Autoprint, CareTaker).

1.2. Explanation of Disclaimer Page Symbols

Some documents (end-user documents relevant to CE-certified Picis programs) have special symbols and additional information on the disclaimer page that follows the cover page. The symbols have the

1. Introduction – Release Identifier

following meanings:

Symbol	Description
	Symbol for manufacturer. Contact details for Picis appear to the right of this symbol.
	Symbol for cautions. Indicates that cautionary statements may be present within the guide.
EC REP	Symbol for EC Representative. Contact details for Picis' European Community representative appear to the right of this symbol.
	The date of manufacture appears below this symbol.
CE 0123	Indicates that the quality management system has CE certification. The notified body identifier (0123) is shown below the symbol.

1.3. Localization Support

The term "localization" covers the following areas:

Area	Notes
Operating systems	There is no restriction on the operating system language. Different machines (workstations or servers) can use different languages.

Area	Notes
Regional settings	*Workstations:* no restriction on regional settings *Database Server:* no restriction on regional settings *Picis Services (web server):* must use the same regional settings as the Database Server *PCM server:* must be run using the Local System Account with US English regional settings *Picis Printouts Server:* must be run using a real user account with US English regional settings *Central Print Server* (for Excel printouts): must be run using a real user account with US English regional settings **Note:** To change regional settings for the Local System account (most likely for the Picis Services if the Database server uses different Regional Settings), proceed as follows: i. Log in as any administrative user ii. Open the Region and Language settings iii. First, on the **Formats** tab, set the language required and then on the **Administrative** tab, click **Copy Settings** and in the window that opens select **Welcome screen and system accounts** then click **OK**.
Picis software GUI language	Some Picis applications are also available in certain languages other than US English. For more information, see the following sections: *Available GUI Languages* below *Available Online Help Languages* on the next page.
Microsoft SQL Server	Microsoft SQL Server can be installed in any available language. However, the "default language" setting must be set to US English. For more information, see the *Guide to SQL Server Installation in Picis Systems*.

1.3.1. Available GUI Languages

This release is available in the languages described below.

Applications	Available Languages		
	US English	**UK English**	**Spanish**
OR Manager	Yes	Not available	Not available
SmarTrack	Yes	Not available	Not available

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Applications	Available Languages		
	US English	UK English	Spanish
Anesthesia Manager Critical Care Manager PACU Manager Preop Manager	Yes	Not available	Yes
eView	Yes	Not available	Yes
Extelligence Anesthesia	Yes	Available but not localized	Available but not localized
Extelligence OR	Yes	Available but not localized	Not available
Analytics Control Portal	Yes	Not available	Not available

1.3.2. Available Online Help Languages

Generally speaking, product help files are only available in English regardless of the configured GUI language. However, for the "clinical module" products, you can install streamlined help Spanish. Streamlined help has a reduced number of localized topics designed to cover the basic concepts while maintaining links to the full English language help system.

Localized help files are not embedded in the installer, but provided in the *Documentation.exe* zip of the release package. They can be manually installed at workstations as required following instructions in the *Localized_Help_Readme.txt* file found in the "Localized_Help" folder of the extracted *Documentation.exe*.

1.4. Product Notices

Performance Characteristics

As with all clinical software of this nature, the speed of software response to user actions and data input depends on multiple factors such as hardware specifications, patient chart size and the number of users accessing the system. For more information, consult your Picis representative.

Data Accuracy

The accuracy of data in Picis products depends on the way the hospital has configured the system. Each hospital should train users according to its particular configuration. For more information, consult your Picis representative.

Incident Disclosure

Any serious incident that occurs in relation to this software should be reported to Picis and the competent national authority.

2. Supported Third-Party Software

This section provides the software requirements for servers and workstations for this release.

Note: This release includes a "Picis Prerequisites installer" that contains all required third party software for basic background servers and workstations, with the exception of the operating system itself and Adobe Reader (for viewing online PDF help files). The installer installs any prerequisite software that is not already installed on the machine. The installation documentation now includes a required step to run this installer as part of the implementation.

Note: Picis supports Windows computer names of up to 48 characters.

Notes:

- Advanced third-party software configurations specific to the product being installed are noted in the corresponding implementation guides.

- Windows Installer 3.1 should be installed via Windows Update or using a redistributable if it does not exist on application servers and workstations.

- Picis recommends installing anti-virus software prior to installing Perioperative and Critical Care; virus definition files can be updated as needed later. You should disable scanning of database data and log files. For a list of recommended scanning exclusions, see *Anti-Virus Exclusions* on page 155.

- The customer is responsible for testing and confirming the use of additional, non-Perioperative and Critical Care software on workstations and servers.

- Picis does not provide technical support for third-party software and therefore recommends that sites have maintenance and support contracts with the manufacturers of these products (especially for database software). The customer is responsible for testing and confirming the use of additional, non-Picis software.

- Separate documentation describes how to install and configure Picis modules.

- Installation and configuration of CCOW components is described in the *Guide to CCOW in Picis Applications*.

- If a piece of software is not specifically identified as being supported it should be considered as "unsupported."

2. Supported Third-Party Software

> • All servers and workstations are required to be in a Windows domain; mixed domains are acceptable, however workgroups are not.

2.1. Server Software Requirements

There are at least two required servers in any Perioperative and Critical Care system: the Database server and a module server for hosting services. Many systems require more; for example a "TPA" system requires a server for the "administrative modules" and a server for the "clinical modules." Additional servers are required for optional features such as the Picis Perioperative Analytics and Reporting.

You should reference these *Release Notes* in parallel with the implementation guidelines noted below.

Notes:

- Picis recommends disabling Internet Explorer's enhanced security. This process is described in the *Server Installation Guide* appendix ("Disabling IE Enhanced Security").

- The Surgsync and Autoprint installers include the necessary MDAC named pipe libraries.

- Separate documentation describes how to install and configure the database server software (Microsoft SQL Server) for use with Picis Perioperative and Critical Care; see the guide *SQL Server Installation Guide*.

- For sites with facilities in multiple timezones: Multiple timezones are supported, however a PCM/ORMC server should be installed in each timezone. Detailed system requirements and instructions are described in the *Server Installation Guide* (appendix titled "Configuring Facilities in Multiple Timezones").

- User Access Control (UAC) should be disabled during the installation process. Steps to deactivate UAC are included in the *Server Installation Guide*.

- Servers should include remote administration software, such as Remote Desktop or Terminal Services.

2.1.1. Database server software requirements

Software for the database server	
Operating system	Windows Server 2012 R2 (64-bit). **Note:** Windows Server 2008 R2 SP1 (64-bit) has undergone partial testing. Sites wishing to install this Operating System do so at their own risk and should perform full testing prior to deployment in a production environment. **Note:** All Microsoft security patches available up to July 09, 2019 have been tested with this release.*
Database server software	SQL Server 2012 SP4 (64-bit, native mode) **Best Practice:** Install Picis production databases on a dedicated SQL instance. **Note:** The Latin1_General collation designator and Binary sort order is required with this release. For details on setting up SQL Servers, see the *SQL Server Installation Guide*.

* Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

Note: The operating system for the database server must be set to use a 64 KB block size. The following website describes how to check this:

http://www.vsysad.com/2016/08/get-the-allocation-unit-size-of-an-ntfs-partition-in-server-2012/

Note: You must configure the firewall to allow access to SQL Server (as it uses dynamic TCP ports).

1. On the **Start** menu, click **Run**, type *WF.msc* and then click **OK**.
2. In the Windows Firewall with Advanced Security window, in the left pane, right-click **Inbound Rules**, and then click **New Rule** in the action pane.
3. In the Rule Type dialog box, select **Program**, and then **click** Next.
4. In the Program dialog box, select **This program path**. Click **Browse**, navigate to the instance of SQL Server that you want to access through the firewall, and then click **Open**. (By default, SQL Server is at C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\Binn\Sqlservr.exe.) Click **Next**.
5. In the Action dialog box, select **Allow the connection**, and then click **Next**.

2. Supported Third-Party Software

6. In the Profile dialog box, select any profiles that describe the computer connection environment for which you want to connect to the Database Engine, and then click **Next**.

7. In the Name dialog box, type a name and description for this rule, and then click **Finish**.

More details available from this website:

https://technet.microsoft.com/en-us/library/ms175043(v=sql.110).aspx

2.1.2. Background module servers

The Picis Perioperative and Critical Care system requires background servers (referred to as module servers), which include basic and additional components to be installed (depending on the system being setup). Below are the basic and additional components that are required for the various systems that are available.

Note: The basic requirements must be installed at each module server; the additional requirements vary depending on the system being installed.

2.1.2.1. Basic module server software requirements

Below are the basic software requirements for all Picis Perioperative and Critical Care servers.

Basic software for the module servers	
Operating system	Windows Server 2012 R2 (64-bit) **Note:** Windows Server 2008 R2 SP1 (64-bit) has undergone partial testing. Sites wishing to install this Operating System do so at their own risk and should perform full testing prior to deployment in a production environment. **Note:** All Microsoft security patches available up to July 09, 2019 have been tested with this release.*

Basic software for the module servers	
Required for standard server components	Microsoft Internet Information Services 8.5**
	.NET Framework 4.6.2
	ASP.NET 4.0
	Crystal Reports Runtime 13.0.5 32-bit
	Note: The above components are installed/enabled automatically by the Picis Prerequisites installer if not already installed/enabled.
	SQL Native Clients 2008/2012 (note that both 2008 and 2012 versions are needed regardless of the SQL Server version installed at the Database Server).
	Microsoft Visual C++ Redistributable x86 versions 2008, 2010, 2012 and 2015
	Note: The above components are installed/enabled by the Picis Prerequisites installer if not already installed/enabled.
	Windows Server App Fabric 6.1 64-bit (Installed by the Picis Services installer if not already installed.)
	Adobe Reader v11 or later (for accessing on-screen help and printouts generated to PDF)

Notes:

- * Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

- **IIS is installed in "lockdown" mode, so only request handling for static web pages (HTTP content, such as .htm and .html files) is enabled. The request handlers that process dynamic content are disabled, which means that features like ASP and ASP.NET are disabled. Follow the steps below to enable these at all module servers:

  a Open the Server Manager window (**Start** > **Administrative Tools** > **Server Manager**).

  b Click to expand the **Roles** node and then click **Web Server (IIS)**.

  c In the Web Server (IIS) pane, under Role Services, click **Add Role Services**.

  d In the Select Role Services window, click to select **ASP**, under Application Development, then click **Next**.

  If asked, click to **Add Required Role Services**.

  e Click **Install** and then click **Close**.

Note: The Picis Prerequisites installer performs these steps if ASP is not already enabled.

2. Supported Third-Party Software

> ● You should open port 808 in the firewall at the Picis Services server.

2.1.2.2. Additional module server software requirements

A Picis Perioperative and Critical Care system does not require all of the available server components. Review the server components below to determine which are required for your system.

Note: The only component requirements that are listed below are those that are not met by the basic module server software requirements.

Additional Server Components	Required software
Central Printer Service	Microsoft Excel 2007 SP3
Autoprint	Microsoft Outlook 2013 SP1 (or other MAPI-compliant software) Windows Message Queuing (for steps see note below)
OR Manager/ SmarTrack Web Access	Microsoft Internet Explorer 11
eView	ASP.NET 4.0 **Note:** Installed/enabled by the Picis Prerequisites installer if not already installed/enabled.
PreOptimize	Microsoft Office 2013 SP1 Windows Message Queuing (for steps see note below)

Notes:

- Excel-based printouts (that use CPS) are only supported for sites upgrading from a previous version in which the Printouts Builder is not available.

- For Excel-based printout functionality, the Print Spooler Windows service should be running at the PCM server.

- Installing Windows Message Queuing:

  a Click the Add/Remove Windows Components tab.

  b Select Application Server and click Details.

  c Click to select the **Message Queuing** checkbox to install and activate the component.

  Make sure that the Internet Explorer Enhanced Security Configuration Windows component is not activated (found directly in the Windows component window).

2.1.3. Picis Analytics server software requirements

Below are the components required for the Picis Analytics server. It is important to note that the required software below can be combined on a single server where all of the necessary components are installed.

Software for the analytics database server	
Operating system	Windows Server 2012 R2 (64-bit) **Note:** Windows Server 2008 R2 SP1 (64-bit) has undergone partial testing. Sites wishing to install this Operating System do so at their own risk and should perform full testing prior to deployment in a production environment.
Database server software	SQL Server 2012 SP2 (64-bit, native mode) **Note:** The Latin1_General (binary) collation designator is required for Picis Analytics products. For details on setting up SQL Servers, see the guide *SQL Server Installation Guide*.

Note: * Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

2. Supported Third-Party Software

Software for the analytics server	
Operating system	Windows Server 2012 R2 (64-bit) **Note:** Windows Server 2008 R2 SP1 (64-bit) has undergone partial testing. Sites wishing to install this Operating System do so at their own risk and should perform full testing prior to deployment in a production environment.
Server components	.NET Framework 4.6.2 Microsoft Visual C++ 2012 Redistributable x86 **Note:** The above components are installed automatically by the Extelligence\Dashboard installer if not already installed.
Web server	Microsoft Internet Information Services 8.5 Internet Explorer 9 or 11 (with Java runtime 7 or 8) Apache Tomcat 7.0 (bundled with Business Objects)
BI Engine	SAP Business Objects Enterprise BI 4.1 SP4
BI Rendering	SAP Business Objects Web Intelligence BI 4.1 SP4

Notes:

- * Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.
- For Periop Dashboard: Launch Server Manager utility and verify that ASP and IIS Management Compatibility roles are installed and launch IIS Manager and verify that the Application Pools Defaults setting "Enable 32-Bit Applications" is set to "True."

2.2. Workstation Software Requirements

This section describes the third-party software that must be installed at workstations before installing Picis Perioperative and Critical Care.

⚠ **CAUTION:** Workstation and server times should be synchronized; otherwise inconsistent calculations may occur.

Note: For "clinical module" workstations that receive waveform data from a medical device, the device's clock must be set to match the workstation clock. For more information, consult your Picis representative.

Notes:

- Picis recommends installing antivirus software prior to installing Perioperative and Critical Care; virus definition files can be updated as needed later.

- The customer is responsible for testing and confirming the use of additional, non-Perioperative and Critical Care software on workstations and servers.

- Picis does not provide technical support for 3rd-party software and therefore recommends that sites have maintenance and support contracts with the manufacturers of these products (especially for database software). The customer is responsible for testing and confirming the use of additional, non-Picis software.

- Installation and configuration of CCOW components is described in the *Guide to CCOW in Picis Applications*.

- If a piece of software is not specifically identified as being supported it should be considered as "unsupported."

- All workstations are required to be in a Windows domain; mixed domains are acceptable, however workgroups are not.

- Systems can include a mixture of the supported OS versions on workstations; all workstations are not required to use the same operating system software.

- The supported screen resolution is 1024x768 and higher.

2.2.1. Basic client workstation software requirements

Below are the basic software requirements for all Picis Perioperative and Critical Care workstations.

Note that client workstations require a minimum of 4GB hard drive space. For other hardware requirements, please contact Picis Customer Service or your Client Manager.

Basic software for client workstations	
Operating system	Windows 7 SP1 (32-bit, 64-bit)
	Windows 10 (64-bit)
	Note: All Microsoft security patches available up to July 09, 2019 have been tested with this release.*

2. Supported Third-Party Software

Basic software for client workstations	
Web browser	Microsoft Internet Explorer 9 or 11 (Native mode)
	Note: Used for online help, Crystal Reports that require user input and Analytics products. (For crystal reports that require user input, you must add **http:\\localhost** as a Trusted Site.)
Required for standard workstation applications	.NET Framework 4.6.2. (Required for Windows 7 SP1 only. For Windows 10, the necessary .NET Framework version is installed by default.)
	Crystal Reports Runtime 13.0.5 32-bit
	SQL Native Clients 2008/2012 (note that both 2008 and 2012 versions are needed regardless of the SQL Server version installed at the Database Server).
	Microsoft Visual C++ Redistributable x86 versions 2008, 2010, 2012, 2013 and 2015
	Note: The above components are installed automatically by the Picis Prerequisites installer if not already installed.
	Adobe Reader v11 or greater (free download from Adobe's website).

Notes:

- * Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

- ** After installing Adobe Reader, the Navigation toolbar will show Up and Down arrow buttons. These let you browse through consecutive pages of the document. it is recommended that you also configure Adobe Reader to show Left and Right arrow buttons. These let you browse through previously viewed pages in the same way as the buttons in a web browser. For example, if you follow a cross reference link you can use the Left arrow button to easily return to the page you were viewing before you clicked the link.
  a Click **Tools** > **Customize Toolbars**.
  b Under Page Navigation Toolbar, select **Previous View** and **Next View**.
  c Click **OK**.

2.2.2. Additional workstation software requirements

Workstations are used for different purposes in a Picis Perioperative and Critical Care system; therefore the components that are installed at each workstation may not be identical. Below are the requirements for additional Perioperative and Critical Care desktop components that may be installed.

Additional Workstation Use	Required software
Standard requirements	Each workstation must meet the basic requirements described in *Basic client workstation software requirements* on page 19.
Clinical Notes System	Microsoft InfoPath 2013 SP1, 32-bit only Frogmore Passthrough XPS Driver 6.0.1 (for printing and finalizing notes) **Note:** The XPS driver is installed automatically by the CareSuite Desktop installer if not already installed. **Note:** Windows users need rights to manage printers at the OS level in order to finalize notes.
PreOptimize	No additional software requirements, but Anesthesia Manager, PACU Manager or Critical Care Manager must be installed at at least one workstation in the installation.
eView	No additional software requirements, but Anesthesia Manager, PACU Manager or Critical Care Manager must be installed at at least one workstation in the installation.
"Administrative modules" where Mail Merge or Word Processing Fields are used (Microsoft Word is required if the following systemflag is set: `edit_with_msword_path`)	Microsoft Word 2013 SP1
Crystal Reports creation (not just viewed)	SAP Crystal Reports 2011 Crystal Report Interface Version 6.0 (for viewing reports, the appropriate files are included with the Picis installer).
Physiologic Data Stop notification e-mails	Microsoft Outlook 2013 SP1
CCOW	Vergence Vault Server 4.5 SP2 Caradigm Vergence client 4.5 SP2 in each workstation to connect to the CCOW server

2. Supported Third-Party Software

Additional Workstation Use	Required software
OR Extelligence Anesthesia Extelligence Perioperative Dashboard	Java Virtual Machine 7 or 8 **Note:** Automatic Java updates should be disabled as follows: 1. Open the Java Control Panel (this can be found in the OS Control Panel). 2. On the Update tab, clear the Check for Updates Automatically box. Because the application is web-based no Picis software needs to be installed at workstations.

2.2.3. Citrix and ORMWA workstation (thin client) software requirements

The following requirements must be met at workstations connecting to Citrix, or running OR Manager Web Access.

Note: For SmarTrack Next workstation requirements, please see the release notes for the latest compatible SmarTrack Next release. For more information, please contact your Picis representative.

Basic software for Citrix and ORMWA (thin client) workstations	
Operating system	Windows 7 SP1 (32-bit, 64-bit) **Note:** All Microsoft security patches available up to July 09, 2019 have been tested with this release.*
Web browser	Microsoft Internet Explorer 9 or 11 (Native mode) **Note:** Used for online help, Crystal Reports that require user input and Analytics products. (For crystal reports that require user input, you must add **http:\\localhost** as a Trusted Site.)
For workstations accessing Citrix XenApp	Citrix Receiver 4.1 or higher

* Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

2.2.4. Citrix XenApp software requirements

Picis Perioperative and Critical Care Desktop can be installed at a supported Windows server running Citrix, and then published to workstations. Citrix support is included for the following applications: OR Manager, SmarTrack, Preop Manager, Anesthesia Manager, PACU Manager, and Critical Care Manager.

Software requirements for Citrix XenApp servers	
Operating system	Windows Server 2012 R2 (64-bit)
	Note: Sites wishing to install Windows Server 2008 R2 SP1 (64-bit) do so at their own risk and should perform full testing prior to deployment in a production environment.
	Note: Perioperative and Critical Care applications can be installed on either server version, however the Citrix application must be installed on Windows Server 2012 R2.
	IIS 8.5
	ASP.NET 2.0
	Java Runtime 1.6
	Note: All Microsoft security patches available up to July 09, 2019 have been tested with this release.*
Citrix	XenApp Server 6.5
	XenApp Server 7.6
	.NET Framework 4.5.2
	Note: Session Sharing should be enabled on the XenApp Server according to the information in the *Workstation Installation Guide*.

Note: * Sites wishing to install security patches released after this time do so at their own risk and should perform full testing prior to deployment in a production environment.

3. Purpose of the Release

This release includes fixed defects and new/modified functionality.

Fixed defects are described in Section *Fixed Defects carried forward from 8.6 MR4 SP7* on page 51.

4. Accompanying Documentation

New/modified functionality is described in the Section *New and Modified Functionality on page 29*.

Notable unfixed defects are described in the Section *Notable Defects on page 29*.

See Section *Accompanying Documentation below* for references to installation/upgrade instructions.

4. Accompanying Documentation

Accompanying documentation can be found in the extracted *Documentation_8.6.700.exe* file of the release package. A list and brief description of the principal documents can be found in the *Documentation_List* PDF in the root of the extracted folder.

5. Fixed Defects

The following sections describe the defects that are fixed in this release.

For a running list of defects fixed in previous releases since the last main release, see *Previously Fixed Defects on page 45*.

5.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-5542 (CAS-232611-N9T3Y3 CAS-252987-J2F1X1 CAS-245141-L2V0Q9 CAS-272263-V8Q9F9 CAS-282482-Q5N7X2)	Depending on the Home Screen configuration, an error message regarding access rights may be shown when opening a template. This occurs when the CFSConfiguration parameter for the home screen layout only has an integer (for example: CFSConfiguration=4) or is blank. (The CFSConfiguration parameter can be seen in the Advanced Configuration Editor in Customize.)
TO-6377 (CAS-251997-V8R2Y9)	For sites integrated with a Meditech HIS, it should be possible to start Anesthesia Manager with a command line call. However, when doing so the password sent is incorrect, so the user needs to manually enter it in the Login window.

Issue No.	Description of fixed defect
TO-6399 (CAS-261854-R1S2W3 CAS-253752-D2D0M3 CAS-253752-D2D0M3 CAS-275378-G5Z9V4 CAS-276317-L6Y9Z2 CAS-278896-P6X0L7	It is not possible to undo a discharge for a patient that still has an open preadmission for another planned surgical intervention.
TO-6682 (CAS-269586-W4N6T3)	Clicking the Print button in the Print Preview window for clinical notes causes the application to crash.
TO-6692 (CAS-272009-T5F9X8)	For medications delivered in diluents the diluent does not appear on printouts. (It should appear in the Fluids In block.)
TO-6693 (CAS-271432-Y2V6F0 CAS-271883-Y6V3L4)	The Microbiology Summary window cannot be opened.
TO-7392	Configurations are retrieved from the database every time the application is launched instead of only when there have been configuration changes.
TO-7394	Perfect Trace shows an in inordinate number of calls being made to the CMN.PatientIdentifiers table when starting the application.
TO-7419 (CAS-275063-S8Z9P1 CAS-253808-K2T1B1)	The automatic copying forward of data for a physiologic variable fails for values equal to the variable's artifact limit.
TO-7429	It is not possible to display user comments in the Nursing Care printout block.
TO-7452	If the order description changes for an IV fluid,the new description should be prefixed with a tilde (~) in the Review Documentation window opened from the Audit trail, but it is not.
TO-7456	Printouts show incorrect additive information in the order description of IV fluids for which extra additives have been added when documenting.

5. Fixed Defects

Issue No.	Description of fixed defect
TO-7457	If the rate is changed for an IV fluid the Audit Trail should show the new rate prefixed with a tilde(~)but it does not.
TO-7477	On printouts, IV fluids show the last documented units instead of the original prescribed units. Note that this behavior only affects certain releases. For other releases it is expected behavior that the order description changes to reflect last documented changes. (In MR7, the behavior is controlled by a configuration parameter.)
TO-7484	The program crashes when closing the SAM module after adding an event.
TO-7486	The staff_clinicalrole field audit trail shows mnemonics instead of full staff names.
TO-7487	The program crashes if it is started while Preop Manager is running.
TO-7490	If the volume rate units of an IV fluid are changed when the order is documented, printouts show the originally entered rate rather than the automatically converted ml/h rate and the order description does not show "ml/h" in brackets as it should do. Furthermore, the units shown in the Fluid Details block of the printout do not correspond with either the entered units or converted units from the documented cell, but instead correspond with the units entered in the penultimate documentation.
TO-7492	Printouts do not show details of additives for IV fluids when the printout block is configured to show undocumented fluids.
TO-7496	Medication and diluent fluid information is not correctly printed for combined medications.
TO-7501 TO-7503	For combined medications the IV fluids printouts block shows diluents with the name "Picis.Services.DataContracts.Orders.OrderNameCodified" and without rate information.
TO-7504	For a combined medication infusion the Medication Details printout block should list medications in the same order as shown on the flowsheet, but it does not. Furthermore, the fluid component is shown above the medication components instead of below them.
TO-7505	For combined medications the Medication Details printout block shows two rows instead of one and the action information is incorrect.

Issue No.	Description of fixed defect
TO-7508	For combined medications that have been discontinued, the Medication Details printout block shows the action "Done" instead of "0 FirstDiscontinue". Furthermore, the Fluid Details block is empty instead of showing the action "Discontinued".
TO-7509	Infusion pump messages older than a configured time limit (by default five minutes) should be discarded by the system, but they are not. (This can have various consequences; for example, a new order window may be displayed for a pump that was switched on and off again.)
TO-7514	For medications administered with a fluid volume, the Fluid Details printout block shows the medication dose instead of the fluid volume or rate.
TO-7519	For combined medications, values are not correctly aligned with treatment names in the Fluid Details and Medication Details printout blocks.
TO-7520	For periodic medication orders, values are shown in the Fluid Details and Medication Details printout blocks for discontinued and held tasks.
TO-7521	The Medication Details and Fluid Details printout blocks show entries for modified orders and deleted tasks.
TO-7522	Fluid Details and Medication Details printout blocks show the text 'Done' instead of 'Task Documented'

5.2. Adt Administrator

Issue No.	Description of fixed defect
TO-7437 (CAS-281617-Z8P4D7)	It is not possible to link a discharged patient to a preadmission because the Link Preadmission button remains disabled.

5. Fixed Defects

5.3. Various

Issue No.	Description of fixed defect
TO-6441 (CAS-265195-V9P3R7)	Picis applications show error messages and fail to start after the database (instance or SQL Server) is restarted. (Web services should reconnect to the database, but they do not.)
TO-7273	An error message is shown when trying to log on to a Picis application as a new user with a temporary password.

5.4. OR Manager, SmarTrack and Security Manager

Issue No.	Description of fixed defect
TO-6216 (CAS-251692-F9V8P0)	For an add-on case, in addition to the CasepatientID identifier a BookingPatientID identifier should be created, but it is not.
TO-7380 (CAS-278763-J4M4Z7 CAS-279732-V5R7J0 CAS-278763-J4M4Z7	Surgeon and Procedure data may be removed from a SmarTrack screen for certain case records with multiple surgeons.
TO-6362 (CAS-275238-G9N4H3)	An error message is shown when configuring access rights for OR Manager (via Users/Functions).
TO-7117 (CAS-275403-Y0V4W1)	When creating a picklist there is no field available for Surgeon Quantity.
TO-7262	Depending on the form layout and the amount of data entered, two large user-defined groups may overlap each other in a Custom Case Print.
TO-7434	In Security Manager, the Staff ID1 field in Edit Staff screen includes a ".bak" file extension in the displayed field value.

5.5. VA

Issue No.	Description of fixed defect
TO-7240	A new user created in VistA with the same name as a previously deleted user will be unable to log in to the "clinical modules".
TO-7349 (CAS-271265-F2P9Q1)	In audit trails for bookings and case records in OR Manager and SmarTrack the username is encrypted when it should not be.
TO-7352 (CAS-277853-M0N1S7)	VA sites: It is not possible to change the attending type(s) or otherwise modify a user profile when the username contains special characters.
TO-7439	An error message is shown when trying to create a progress note (VistA TIU Note) for a Case Record that is linked to an unsigned Nurse Intraoperative Report (VistA CPRS section).
TO-7450	No error message is shown when attempting to create a progress note (VistA TIU Note) from an add-on case record that is not linked to a booking.
TO-7481	Login failure occurs when new VistA user is created with a VistA group(s) mapped to a Picis group that has multiple VistA groups linked to it.
TO-7486	The staff_clinicalrole field audit trail shows mnemonics instead of full staff names.

6. New and Modified Functionality

For a list of the main new and modified areas in this release, please see the *Product Update*.

The *Product Update* also contains the enhancements made in previous minor releases and service packs for the 8.6 product line.

7. Notable Defects

This section lists the notable (unfixed) defects found in this release.

These notable defects have undergone internal clinical review and pose no risk to the patient or do not impact patient safety at the point of care delivery.

7. Notable Defects

For a list of notable defects that were documented in previous releases and remain unfixed, see *Notable (Unfixed) Defects Documented in Previous Releases* on page 133.

7.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description	Workaround
TO-7489	Error messages are shown when attempting to configure templates or template parts for the clinical notes system. (The issue does not affect existing templates or template parts.)	At the clinical server, open an elevated command prompt and enter the following commands, replacing **<SERVER>** with the name of the Picis Services server. `cd C:\Picis\TemplateParts` `PatchPartsAndConns.bat` **<SERVER>**
TO-7525	An error message is shown when attempting to admit a patient to a template if the last ADT operation at the workstation was a discharge and the template used for the discharged patient had an encounter type different to that of the currently selected template.	Close and restart the application.

7.2. OR Manager

Issue No.	Description	Workaround
TO-7500	When the *applyfacility_ud_reports* flag is set to "N", a crash occurs when attempting to delete an entry in any of the **non** TPA user-defined tables. (The TPA tables are ADM_TYPE, ALLERG_TYP, ASA_TYP, COUNTRIES, ETHNICITY, MARITALSTS, MEDPROCTYP, RELIGIONS, SEXES)	Inactivate the entry instead of deleting it.
TO-7545	(For standalone "administrative module" installations only.) When the *applyfacility_ud_reports* flag is set to "Y", a crash occurs when attempting to initiate a case record from a booking that has one more fields pointing to any of the **non** TPA user-defined tables. (The TPA tables are ADM_TYPE, ALLERG_TYP, ASA_TYP, COUNTRIES, ETHNICITY, MARITALSTS, MEDPROCTYP, RELIGIONS, SEXES)	None

8. Installation and Upgrade Information

8.1. System Requirements

System software requirements can be found in this *Release Notes* document (see Section *Supported Third-Party Software* on page 11).

Regarding hardware, desktop workstations require a minimum of 4GB hard drive space. For other hardware requirements, please contact Picis Customer Service or your Client Manager.

8.2. Upgrade Compatibility

The DB scripts, server installers and full workstation installers have been tested for upgrades of the following systems:

- 8.6 MR5
- 8.6 MR4 SP7

For sites on other versions, please consult your Picis representative.

Note: Upgrading sites moving to new hardware must copy the configurations from the TEST environment to the LIVE environment after the environment has been upgraded. For details on this process, see the section titled "Copying Settings Within and Between Configuration Sets" in the *System Configuration Guide*.

8.3. Installation Instructions

An overview for installing and upgrading can be found in the *Implementation Overview*.

Detailed installation and upgrade instructions for required components can be found in the *Workstation Installation Guide*, *Server Installation Guide*, and *Technical Upgrade Guide*.

For additional components, see the corresponding installation documentation for those products.

Note: The Analytics Control Portal (formerly Quality Reporting Portal) should be upgraded before the ETL process runs against the upgraded system, according to the steps in the *Technical Upgrade Guide*.

8.3.1. Workflow Overview

The generic steps for installing are as follows:

1. Install the database(s).
2. Install the server software.

8. Installation and Upgrade Information

3. Install the workstation software.

4. If applicable, install any updated documentation from the package at selected computers as necessary (not necessarily "Picis" workstations).

8.3.2. Installer Notes

The following applies to both the Workstation and the Server installers:

- The installers must be run by a user with Local Administrator rights for the computers concerned.

- Oracle environments are not supported.

- Admitted patients do not need to be discharged or transferred.

- Workstations in a "Picis" hospital unit must be upgraded at the same time (that is, different Perioperative and Critical Care versions cannot be used concurrently with the upgraded database).

- For sites that are upgrading from a previous 8.3 version, existing installations of Picis Services must be uninstalled. For instructions on preserving the current SQL login credentials and installing Picis Services, see the Section "Installing/Upgrading Picis Services" in the *Technical Upgrade Guide*.

- For sites using the PSM database, the setting restrict_modules=Y should exist in the systemflags table.

8.4. Package Contents

The root folder of the release package contains the following files.

External 8.6.700	A folder containing components that are downloaded at client sites.
	Note: *Documentation_8.x.x.exe*, which contains the accompanying documentation for this release, is available in this folder.
Checksums.xml	An XML file used for MD5 package validation.
Internal_8.6.700.exe	This file contains files and folders useful to those installing and implementing the software.

8.4.1. Checking the package integrity

Before running any installers, check the integrity of the package at the client site, as described in Appendix C.

8.4.2. Installers Included with this Release

The folder for installers contains the following self-extracting zip files.

- Analytics_Control_Portal_8.6.700.exe

- CareSuite_Desktop_8.6.700.exe

- CareSuite_Server_8.6.700.exe

- Clinical_Notes_Migration_Tool_8.6.700.exe

- Content_Library_Installer_8.6.700.exe

- eView_8.6.700.exe

- Extelligence_AIS_8.6.700.exe

- Perioperative_Dashboard_8.6.700.exe

- Picis_Prerequisites_8.6.700.exe

- Picis_Services_8.6.700.exe

8.5. Database Scripts

The "External 8.6.700" folder includes a folder for the installers and the database scripts. The "Database" folder contains the following self-extracting zip file (as well as *DbUtility_8.6.700.exe*): *SQL_8.6.700.exe*

The package includes not only the new scripts needed to upgrade from the database version installed with 8.6, but all scripts that were provided with the 8.6 release; this avoids having to ship the 8.6 package for sites that are not yet on 8.6. These Release Notes only describe how to upgrade database(s) from the versions provided for 8.6; sites not yet on 8.6 should follow the instructions in the *Server Installation Guide*, substituting the names of files and paths with the corresponding ones from this release.

8.5.1. Upgrading the Database

Notes:

- It is necessary to shut down workstation or server software prior to upgrading the database.

- Previous versions of Picis Services must be uninstalled before the latest version is installed. For instructions on preserving the current SQL login credentials and installing Picis Services, see the Section "Installing/Upgrading Picis Services" in the *Technical Upgrade Guide*.

- For information on database versions delivered with previous service packs, see *Database Versions from Previous Releases* on page 153.

1. Confirm that the current database version numbers match those delivered with the corresponding release. For details on how to check database version numbers, see the section titled "Database Version Numbers" in the *Server Installation Guide*.

2. At the database server, double-click the file *SQL_8.6.x.exe* to unzip the scripts to a temporary folder.

3. Configure DB Utility to point to the folder containing the scripts.

4. Run DB Utility to upgrade the databases as follows:

Database	Version
PSM	772 sp78
IDB	217 sp15
ORM	2692 sp111
TRK	1088 sp27
CAR	516 sp54

8.6. Files Installed by this Service Pack

- "Clinical modules"- This release includes all of the files that were included with the initial 8.6 release.

- "Administrative modules"- This release includes all of the files that were included with the initial 8.6 release.

8.7. Instructions for Uninstalling

1. In the Control Panel, select **Add or Remove Programs**.

2. You should see CaresuiteServer <version no.> (for servers) or CaresuiteDesktop <version no.> (for workstations). Note that the entry will be preceded by the environment name. For example, Live, Test, Dev…

3. Select the last CareSuite release installed and click **Remove**.

Note: Uninstalling this version will uninstall the entire application, as 8.6.700 is a full installer.

9. Special Notices

This section provides additional information regarding specific functionality.

9.1. Uploading PCS files to the Database (for sites upgrading from pre 8.3.1)

Sites upgrading from a version prior to 8.3.1 must use the Upgrade Tool, as described in the *Technical Upgrade Guide*. In order to ensure that event set macros are correctly linked to templates it is important to make sure that the file names of PCS files corresponding to macros are all in upper case before running the configuration upload.

9.2. Extending Continuous Orders

You do not need to extend items with continuous schedules; they are automatically extended. These items can be documented for as long as needed provided that documentation starts before the end point. (If you manually extend a continuous order the only thing that happens is that a memo is added to the order stating that the order has been reviewed.)

9.3. Census List for Printouts

Best Practice: By default, the census list for printouts shows all patients that are admitted or were previously admitted and can take some time to load. Picis recommends that you use Adt Administrator to create an additional census list with a reduced set of patients (such as "Currently Admitted Patients") and set it as the default census list for this window.

9.4. Sepsis Notification Activation

After activating sepsis notification functionality in a template, for the functionality to become available for current patient sessions, you must discharge and readmit any patients admitted to workstations where the template is in use.

9.5. Waveform Snapshot Window

Note: Always close the Waveform Snapshot window before logging out or leaving the workstation unattended.

9.6. Repetitive Waveform Snapshots

Best Practice: To avoid memory exhaustion issues, wait at least 10 seconds after taking a waveform snapshot before taking another one.

9.7. Installing the Picis Print Service

The Picis print service is used to generate automated ("silent") printouts using printout models created with the Printouts Builder. It is installed at the same server as PCM.

Note: Though the functionality is unrelated to Excel printouts, to install this service you must make sure that CPS is selected when running the clinical services installer.

9.8. Carried Forward from 8.6 SP1

9.8.1. Unique Identifiers in Picis Interfaces

⚠ **CAUTION:** It is essential that unique identifiers are not "recycled" in external systems.

Picis interfaces rely on unique identifiers for the transmission of data. For example, laboratory interfaces require the TESTID field to be unique while a demographics interface might require an account number field to be unique. Unique identifiers are clearly stated in the relevant interface specification documents and in the PCM manual.

If an external system sends a message using a unique identifier that has already been used, Picis software treats the data as an update to previously received data. (For example, if an account number is reused, the system overwrites any previous patient data with the data of a new patient.) For this reason, **it is essential that unique identifiers are not "recycled" in external systems**. Hospitals are responsible for ensuring this. Testing should cover unlikely, but possible, scenarios such as machine rebooting, network glitches, device malfunction etc.

Notes:

- You may be able to enhance the uniqueness of the unique identifier by concatenating multiple fields. Consult Picis implementation staff for more information.
- When updates are not necessary and data feeds are always read in as new data, consider concatenating the "Time stamp field" as part of the unique identifier.

9.9. Carried Forward from 8.6.0

9.9.1. User File Permission Requirements

Users require Read and Write permissions to the following directories:

- C:\Picis
- C:\Program Files\Picis
- C:\Program Files (x86)\Picis
- C:\ProgramData\Picis

9.9.2. Anesthesia Manager Closes when Editing via Bedside and Remote View

Anesthesia Manager may close unexpectedly if the Patient Summary is open for a patient at a bedside workstation while a Note Type with its corresponding Note Type Block are added in DB Editor and then populated via remote view for the patient that is already open.

> **Note:** This only occurs when adding and editing new note blocks remotely while the Patient Summary is open in bedside.

9.9.3. ADT Information Overwritten if Account Numbers are Recycled

> ⚠ **CAUTION:** Picis applications do not support the use of recycled account numbers. If account numbers are recycled, patient information will be lost and overwritten by another patient.

9.9.4. Page Range Unavailable when Printing Multiple Bookings

In earlier releases functionality existed to choose a page range when printing multiple bookings from Manage Bookings in OR Manager. This functionality is unavailable in this release.

9.9.5. Caution for Sites Upgrading from a version prior to 8.6

> ⚠ **CAUTION:** The behavior of the fluid balance has changed regarding the documentation of bag and container levels. Prior to 8.6, when a bag or container level was documented for a fluid, the fluid balance showed the volume change distributed over the time range since the previous documentation. In 8.6, however, the volume change is added in the time column at which the documentation occurs.

9.9.6. VistA Single Sign-On Feature Incompatibility

(VA sites only) VistA integration with Picis Perioperative and Critical Care is not compatible with the Single Sign-On feature available for VistA user profiles. The use of this VistA feature may cause undesirable behavior when enabled for VA users. Picis recommends disabling this feature for all VA users of Picis Perioperative and Critical Care solutions.

9.9.7. Modified SQL Server Features/Functionality

With each release of Microsoft SQL Server there are discontinued and depreciated features and functionality. Below are some helpful resources for you to use so you can be aware of changes that may affect you if upgrading from a previous version of SQL Server software.

- SQL Server home on MSDN: https://msdn.microsoft.com/en-us/library/bb545450

- SQL Server 2012 Upgrade Technical Guide: https://msdn.microsoft.com/en-us/library/dn144931.aspx

- SQL Server 2012 Database Engine Backward Compatibility: https://msdn.microsoft.com/en-us/library/ms143532(v=sql.110).aspx

- SQL Server 2008 R2 Database Engine Backward Compatibility: https://msdn.microsoft.com/en-us/library/ms143532(v=sql.105).aspx

9. Special Notices

9.9.8. Picis Weight Based Dose Converter

For more information on this feature, see the *Workstation User Guide*.

Intended Use: The Picis Weight Based Dose Converter is designed for use by trained clinicians to calculate any individual patient's dose for a given agent based on a weight-based dose determined by the clinician. Drug dosing for a patient must be made only after careful consideration of the full clinical status of the patient by the ordering clinician and the software provides no validation as to the appropriateness of the entered weight-based dose. The *Picis Weight Based Dose Converter* is not a substitute for clinical reasoning. The *Picis Weight Based Dose Converter* is a convenience feature for trained clinicians based upon accurately entered data. No medical decision should be based solely upon the results provided by this software program.

9.9.9. Resetting the Security Service Application Pool in IIS after Changing Configuration Parameters

Specific configuration values in the database that rarely change after the applications have been installed and initialized will be cached by the Security Service; this cache will not expire. The Security Service Application Pool must be restarted or recycled in order to refresh the cache. Below are the scenarios in which configuration values will be cached by the Security Service.

Note: You must be a member of the Administrators group on the local computer to perform the following procedure (or procedures).

Environment change

- When the deployment mode is changed from one environment to another:
  - clinical standalone → TPA
  - administrative standalone → TPA
  - TPA → administrative/clinical standalone

CAR database

- When the application record is added, removed, or modified in the CAR database table `APPLICATIONS`.
- When new rows are added to the `CAR.FACILITY` table, or existing rows are modified.

PSM database

- When either of the following systemflags is edited: usemeditechpw or meditechpwencrypted.
- When the application record is added, removed, or modified in the PSM database table `security_apps`.

- When the **Hide Password Change** setting is modified directly in the PSM database (flag_value column of the SystemFlag table record in PSM for flag_nm = 'hidechangepassword'and application_nm = 'qualityportal').

- When the `user update audit` flag is modified directly in the PSM database (ap_update_flag column of the audit_parameter table record in PSM for ap_table_nm = 'security_users').

- When the "Authentication Bypass Identities" (flag_value column of the SystemFlag table in PSM for flag_nm = 'authenticationbypassidentities')

- When "LDAP Authentication Enabled" is modified directly in the PSM database (flag_value column of the SystemFlag table record in PSM for flag_nm = 'ldapauthenabled').

ORM database

- When new rows are added ORM.facility table, or existing rows are modified.

DB Editor

- When the following Configuration Parameters are modified in the **File** > **Password Configuration** screen:
  - Passwords require a combination of letters and numbers.
  - Password minimum length
  - Password maximum length
  - Allow reuse of old password after this many password changes.

- When the following Configuration Parameters are modified in the **Auxiliary Tables** > **Configuration Parameters** window:
  - Password must be alpha number
  - Password expiration period in days
  - Temporary password expiration period in hours
  - Password minimum length
  - Password maximum length
  - Show warning message x days before password expires
  - Password reuse count restriction
  - Disable creation of System Events Audit Trail
  - Max number of failed logons before user is locked out
  - LdapAuthEnabled
  - LdapDirectoryPath
  - LdapAuthSingleDomain
  - AuthenticationByPassIdentities
  - LdapAuthenticationType
  - LdapFilter

9. Special Notices

Security Manager

- When the following LDAP Parameters are modified in the Application Parameter window:
  - LDAP Authentication Single Domain
  - LDAP Authentication Type
  - LDAP filter
  - LDAP path

- When the following Signon Parameters are modified in the Signon Parameters window:
  - Require both Alpha Characters and Numerals
  - Password Active for Number of Days
  - Temporary Password Expires After Number of Hours
  - Minimum Password Length
  - Maximum Password Length
  - Start Warning Number of Days Before to Expiration
  - Restrict Number of Recently Used Passwords
  - Number of Logon attempts

9.9.9.1. Restarting/recycling the application pool

1. At the server(s) where the Picis Services are installed, open Internet Information Services Manager using one of the following methods:
   - Click **Start** > **Control Panel** > **Administrative Tools** > **Internet Information Services (IIS) Manager**.
   - Click **Start** > **Run** and type "inetmgr" then click **OK**.
     The IIS manager appears.
2. In IIS Manager, click to select the local computer.
3. Click **Application Pools**.
4. Right-click **Security Service** and either click **Recycle** or click **Stop**, then **Start**.

9.9.9.2. Restarting/recycling application pool in IIS using command line

◆ Open the Command Prompt and execute the following command:

```
c:\windows\system32\cscript.exe c:\windows\system32\iisapp.vbs /a
SecurityService /r
```

9.9.10. Event Log Messages During IIS Reset

If the Picis Services are manually restarted using the inetmgr.exe restart operation (or issuing an 'IISreset' at an administrative command prompt), the following below warning/errors may appear in the event log. These messages can be safely ignored because they are related to a race condition between the Listener Adapter protocol 'net.pipe' successfully connecting to the Windows Process

Activation Service during the Picis Services preload operations. Preload attempts will continue, and when the connection is successful, the preload will also be successful.

Warning

The net.pipe://localhost/ConfigurationService/WebService.svc service is not available. Error message returned from service proxy when calling the <GetAuthenticationInfo>b__2 operation contract: The open operation did not complete within the allotted timeout of 00:00:58.0156504. The time allotted to this operation may have been a portion of a longer timeout.

Errors

Type: System.Exception, mscorlib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089
Message : Unable to get db configuration from configuration service.

There was an error during processing of the managed application service auto-start for configuration path: 'MACHINE/WEBROOT/APPHOST/Default Web Site/<Picis Services name>'. The error message returned is: 'An error occurred while executing Preload method.

9.9.11. Pre-Admission Patient IDs in Preop Manager

New patients that are pre-admitted in Preop Manager must use a patient ID that is 21 characters or less. New patients with a patient ID that exceeds 21 characters are not pre-admitted correctly.

9.9.12. Inactive Allergies in a "TPA" System

For "TPA" sites that use allergies, the select_inactives systemflag should be configured as follows:

```
select_inactives = N
```

If the `select_inactives` flag is not disabled, inactive allergies that are added in OR Manager do not appear in the Allergy and Precautions window in Anesthesia Manager.

9.9.13. Mixed ORMWA Version Installations

OR Manager Web Access 8.6.x release should not be installed on the same machine as previous installation of ORMWA. This is due to differences in supported versions of IIS and .NET Framework. Different versions of ORMWA should be installed on separate machines.

9.9.14. Database Mail Required for use with SmarTrack Paging

With previous Picis Perioperative and Critical Care versions, SQL Mail was required on the SQL Server for use with SmarTrack Paging functionality. Picis Perioperative and Critical Care now uses Database Mail. To enable SmarTrack Paging functionality, Database Mail must be installed and configured on the SQL Server and a Database Mail profile must be setup.

9. Special Notices

For more information on SmarTrack Paging setup, see the Section "SmarTrack Paging Requirements" in the *SmarTrack User and Configuration Guide*.

9.9.15. PICIS Super User Password Changes

The PICIS super user is setup with a default password, which sites can change using Security Manager. For more information on changing passwords, see the *Security Manager User Guide*.

9.9.16. Shortcuts Unavailable in Crystal Reports Viewer ("clinical modules" only)

Keyboard shortcuts (for example, ALT+F) are not available in the Crystal Reports Viewer when viewing from the Anesthesia Manager and Preop Manager applications.

9.9.17. Linked Fields between Picis Applications and HIS

The following fields require a consistent workflow:

- Advanced directives
- Home medications
- Precautions
- Height
- Weight

These fields are designed to function in one of two ways: data entered in HIS/CIS (HIS/CIS as master) or data entered in Picis applications (Picis as master). Choose one of these options to follow consistently as a workflow.

Option 1: HIS/CIS as Master

If a site wants to document any of the above fields within the HIS or CIS, the following setup must be followed:

- OR Manager- user-defined screens must be configured so that the particular fields are read-only. To set user-defined fields as read-only, change the tab stops to 0 when adding these fields to a form.

  If a new user-defined screen is created with this data, remember to make the fields read-only.

- Preop Manager, Anesthesia Manager, PACU Manager, and Critical Care Manager- these fields must be configured as read-only on each template using Customize.

Option 2: Picis as Master

If a site wants to document any of the above fields only within the Picis applications, the following setup must be followed:

- Standalone "administrative module" sites- the fields must be "unlinked" in OR Manager, so that data is not populated through the interface. This step is performed by Picis.

- Standalone "clinical modules" sites- Picis Connectivity Manager must be configured to not import the particular field values in through the interface. This step is performed by Picis.

- "TPA" sites- the fields in OR Manager must be "unlinked" and Picis Connectivity Manager must be configured so these fields are not imported. These steps are performed by Picis.

Picis will help to ensure the appropriate configuration is in place for whichever option the site chooses. For the Picis Perioperative and Critical Care system to exchange this data properly, it is important that only one option is used for all of the fields noted above.

> ⚠ **CAUTION:** If the client decides not to follow one of the two above options, data entered in the Picis applications will be overwritten with data coming in from the linked HIS or CIS system.
>
> For example, if a hospital staff enters a new precaution for a patient in OR Manager, and that patient's information is updated in the HIS with a previously existing precaution, the new, user-entered precaution will be replaced with the previously existing value. Even if precautions data does not originate from the HIS, if the precautions field is linked, data that appears in fields in the Picis applications will be removed when the Picis system is synchronized with the HIS.

9. Special Notices

Appendix A: Previously Fixed Defects

The following sections describe the defects that were fixed in a previous release.

Note: Fixed defects documented in this release are listed in .

A.1. Fixed Defects carried forward from 8.6 MR6

A.1.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
CAO-803	Waveforms: System rights are not applied correctly regarding Waveforms functionality. The application applies the rights of the user who first logged in after the application was last restarted, rather than those of the current user.
CAO-817	Waveforms: For shifts starting at 00.00, automatic "shift start" snapshots take two snapshots per device instead of one.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
CAO-818	Waveforms: If an automatic snapshot is taken after a user has been automatically logged off, the user has to log in twice to gain access to the application again.
CAO-819	Waveforms: If an automatic snapshot notification appears while the Snapshot Viewer window is open and the application then automatically logs off, the notification message is no longer visible when the user logs back in.
CAO-821	Waveforms: If the application automatically logs off while the Snapshot Viewer is open, the Snapshot Viewer can still be accessed from the desktop using the operating system ALT + TAB key combination.
CAO-824	Waveforms: On the day of the DST clock change, all automatic "shift start" snapshots are taken an hour later (Spring) or an hour earlier (Fall) than they should be.
CAO-831	Waveforms: Waveforms do not appear on printouts.

A.2. Fixed Defects carried forward from 8.6 MR5 SP8

A.2.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-7053	An incorrect fluid balance can occur if a new bag is documented for a fluid after it has been discontinued and then a bag level is documented in the 10 second time column before the discontinuation.

Anesthesia Manager, PACU Manager, Critical Care Manager

A.3. Fixed Defects carried forward from 8.6 MR5

A.3.1. ADT Administrator

Issue No.	Description of fixed defect
TO-6347	If previously active orders are reactivated when undoing a discharge, those orders still remain as discontinued.

Adt Administrator

A.3.2. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-6077 (CAS-249953-N8W0T3, CAS-252527-L0H2Z6, CAS-260857-N4C0W3)	The Printed Date field on printouts shows a date/time of 1/1/0001 00:00.
TO-6376 TO-6395 (CAS-260741-P9Y7N1)	If the main window is resized when in Standby mode the standby indicator on the status bar does not maintain the correct size.
TO-6395 (CAS-260741-P9Y7N1)	The Standby mode indicator in the status bar is too narrow to be noticed.
TO-6411	Expand/collapse options are still available on flowsheets whensubheadings are not being shown.
TO-6550 (CAS-268259-P1M2Y2)	Patient Summary filter settings are removed when the window is refreshed.
TO-6553 (CAS-268780-R6F6N9)	Daylight Saving Time message still appears even though the HideDSTPrecription parameter is set to 1 in the workstation configuration.
TO-6570 (CAS-269791-T3Z4K8)	When signed in as a member of staff that has a STAFFID1 different from the STAFFDBOID, PDF creation messages are not sent to the HIS on printing (when configured to do so).
TO-6573 (CAS-269778-V1D3B9)	Automatic printouts show data related to the patient's previous admission.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-6574 (CAS-269791-T3Z4K8)	PDFs are not immediately created after clicking the "Send to file" button in the printout window. (Instead, they are created on closing the window.)
TO-6611 (CAS-270864-Z9H6C7)	The ADT window "Cancel" button does not work in Remote View. (The patient chart proceeds to open when clicking Cancel.)
TO-6613 (CAS-270096-B4P9V6)	Records with a considerable number of acknowledged demographics notifications have performance issues (for example, it takes an inordinate amount of time to restart the patient chart or view notifications).
TO-6614 (CAS-270096-B4P9V6)	If a user double-clicks the application while the Notifications window is loading, the application may hang.
TO-6617	In certain situations, unchecking the 'Show only my events' filter option does not return all events to view after a manual refresh.
TO-6619	If a user with rights to more than one facility adds an event it may be incorrectly attributed to the wrong facility (instead of the facility at which the user is logged in).
TO-6620	The 'Show only events from last 12 hours' filter in the Patient Summary does not work (all events continue to be shown).
TO-6631	It is not possible to print using custom paper sizes.
TO-6651	For printouts that can be both printed and sent to file, if the viewing period is changed and the dropdown box for selecting the print method is clicked without first refreshing the preview an error message is shown.
TO-6661	The Printout Viewer window crashes when changing the viewing period from Encounter to Current Day or Current Shift.
TO-6664	On a virtual machine, if the SAM module is open and the machine is stopped/restarted in vsphere it is subsequently possible to start Anesthesia Manager without logging on.

Issue No.	Description of fixed defect
TO-6679	Automatic printouts do not include the first column of snapshot physiologic data.
TO-6685 (CAS-271857-X5X5Z8)	The default "To" time in the Patient Summary "From - To" viewing period shows the time the application was started instead of the current time.
TO-6688	Events entered in the same minute as the admission time disappear from the Patient Summary when it is refreshed.
TO-6690	If the Patient Summary is left open for a while the "To" time in the "From - To" viewing period cannot be set to any time after the Patient Summary was opened.
TO-6694	The "To" time in the "From - To" viewing periodof the Patient Summary does not revert to the current time when switching from another viewing period.
TO-6809 (CAS-273597-P0R3N6CAS-272739-T4Z5M6)	A non-default census list may show duplicate entries for patients who have been admitted to more than one encounter.

Anesthesia Manager, PACU Manager, Critical Care Manager

A.3.3. Interfaces

Issue No.	Description of fixed defect
TO-6662 (CAS-271238-G9H4Z0)	The orders interface stops when there is an exclusion on the treatment id and the HL7 treatment message has a value with two numeric values separated by any character.

Interfaces

A.3.4. Hub

Issue No.	Description of fixed defect
TO-6434 (CAS-264351-Y0H5M1)	When LDAP is enabled it is not possible to log into OR Manager or Security Manager via the Picis Hub.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-6618	If a user clicks the New Booking button in the Picis hub when logged in with an LDAP login the error message "User ID not found while authenticating" is shown and OR Manager does not open.

Hub

A.3.5. VA

Issue No.	Description of fixed defect
TO-6238 (CAS-248114-B1M2M8)	If a Patient Summary report is filtered to show "only my…" items it may nevertheless show headings related to items documented by another staff member.
TO-6305	The Imaging2VistaLog application shows an "Optum" logo instead of a Picis logo.
TO-6508 (CAS-265876-K8R0D8 CAS-267716-P7H8W2)	When logging into the SAM module an error message is shown and subsequently exporting a Patient Summary note to VistA results in the wrong author being assigned to the note.
TO-6530 (CAS-267243-D2X1P5 CAS-267944-G8B8K2 CAS-268453-Z1M8D1)	After upgrading, logging in with the encrypted version of a username with upper case letters (for example: *PROG777-(uHSH72QtUvlCtsKYvLvXlg==)*) can result in an incorrect member of staff being linked with the record.
TO-6552	When a case is scheduled in VistA, the corresponding patient record is not updated correctly in the CAR database. This results in medical team, diagnosis and procedure details entered in the clinical modules not being propagated to the linked OR Manager booking.
TO-6628	It is not possible to log in to ADT Administrator.
TO-6630	It is not possible to log in to Anesthesia Manager when the decrypted Staff_ID2 value for the user has lower case keys.
TO-6649	It is not possible to edit a user's Surgeon Type if there are other users with the same staff_id1 value.

Issue No.	Description of fixed defect
TO-6669	An error message is shown when clicking the Patient Summary tab in the OR Manager Case Record.
TO-6672	It is not possible to open the SAM module for transfer/discharge patients.
TO-6673	If a user attempts to log into the SAM module in Remote Access while no user is logged in to the local Anesthesia Manager application, the application crashes.

VA

A.4. Fixed Defects carried forward from 8.6 MR4 SP7

A.4.1. ADT Administrator

Issue No.	Description of fixed defect
TO-6197	When changing a patient in Adt Administrator the window title says "Census List" instead of "Select Target Patient Record".

Adt Administrator

A.4.2. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-3956 (CAS-213135-D7K7H4)	At sites using a language other than English, certain Fluid Balance information in clinical notes is not localized. Note that this has been fixed by adding an additional data connection parameter for GetFluidBalanceDayFormattedExt. For more information, see the *Template Design Guide for the Clinical Notes System*.
TO-5305 (CAS-250208-K3W3Q4; CAS-250212-B2F6B2)	A number of strings throughout the GUI remain in English when the configuration is set to another language.
TO-5569	When Medication Interaction Checking is disabled, the window for standard orders includes an empty panel where the MIC details are usually shown, rather than hiding the panel.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-5611 (CAS-237232-Y6F7F0)	For a Finnish installation, the strings shown in the window for documenting a score are in the wrong language.
TO-5630 (CAS-238141-J0M2B2)	Opening the audit trail for an infusion pump order can sometimes cause the application to crash. Note that this defect has been fixed by changing the default auto-adjust volume threshold to a value of 0.05. (Hospitals wishing to use a lower value should first contact Picis Support.)
TO-5706 (CAS-243068-D1Z6M8)	When faced with conflicting data, the PCM Cleaner database maintenance process stops and blocks access to Picis software.
TO-5727 (CAS-240664-N3D4P7)	Automated printouts triggered by milestone eventssometimes fail to print.
TO-5733 (CAS-245575-H5X5L6)	Searching all patients in the Census List can take a considerable amount of time.
TO-5743 (CAS-245945-X3N9J0)	There are issues printing automatic printouts on a schedule when multiple printouts are sent for printing at the same time. (With the fix, the printouts are queued and only one PDF is created at a time.)
TO-5750 (CAS-245945-X3N9J0)	The automatic printing process hangs if no printers are installed and a printout is triggered for a printout model that has ExportToHIS disabled.
TO-5906 (CAS-247606-L0L7K6)	Printouts for patients with more than one admission include the most recent admission's account number instead of the account number associated with the record being printed.
TO-5916 (CAS-247724-M6N0T8)	In the Printout Viewer, when you change the "To" date of an Encounter Range for a session that runs overnight the "From" date also changes.
TO-6133 (CAS-248936-N3Q5F3)	When discharging a patient from the census list at a mulitbed workstation, orders are inadvertently discontinued for the previously viewed remote patient.

Issue No.	Description of fixed defect
TO-6163 (CAS-251633-R3X2L6)	Excel printouts with score documentation show DBOIDs.
TO-6174 (CAS-251402-L4F3R4)	There are display issues with viewing printouts (in the Printout Viewer) for remote multibed patients.
TO-6209 (CAS-252293-T3J3K9)	Localization issue: Even for sites that do not use English, the "All Notes" title in the Patient Summary appears in English.
TO-6215 (CAS-252265-C8T0R1)	When re-triggering a milestone-triggered automated printout directly from the database it prints to todays date.
TO-6229	Localization issue: In a French installation in the window for manual scores, the Cancel button is labeled with German text.
TO-6230 (CAS-252916-P2X5H4)	It is not possible to document an assessment order with schedule type "Periodic" and standard schedule "NOW" that has been added to the chart from a protocol.
TO-6237	PIMS messages may fail due to PIMS channels not being cleared on transferring/discharging patients.
TO-6240 (CAS-252916-P2X5H4)	When a custom template is used, the Patient Summary configuration depends on the default system template instead of the current template.
TO-6241 (CAS-253358-F3Q3D1)	When a custom template is used, the Patient Summary configuration depends on the default system template instead of the current template.
TO-6247 (CAS-253249-W0L7G8)	Remote View sometimes crashes after opening the OR Information window and then closing a case record in OR Manager.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-6270 (CAS-253756-H2H0D2)	When the regional settings of the services server use a space for digit grouping or a comma as the decimal symbol, printouts with physiological data fail to generate.
TO-6272 (CAS-253454-S0R2D5)	In certain circumstances, silently printed printouts can show false duplicated data in a time column preceding the column with the true data.
TO-6356 (CAS-253886-Y2W9X5)	Printouts are not generated correctly if the time range contains a physiologic variable with a negative value.
TO-6358 (CAS-254872-S1Y0Q2;CAS-250999-T5Z5Q5)	Automated printouts sometimes do not show order documentation made in the first time column of a patient session.
TO-6375 (CAS-260676-F8L2Z3)	An error message is sometimes shown when discharging a patient with active orders.
TO-6381 (CAS-260925-N5P6Z6)	Progress information is not shown when a printout is being generated.

Anesthesia Manager, PACU Manager, Critical Care Manager

A.4.3. Customize

Issue No.	Description of fixed defect
TO-4835 (CAS-223920-Z4Q8Q7)	The 'Quality Measures' icon is shown in Anesthesia Manager for some templates, but cannot be removed (or added to a new template) in Customize.

Issue No.	Description of fixed defect
TO-5557 (CAS-233826-M4Y3M2)	When a user creates a printout a notification is always sent to the HIS even if the "Export to HIS" setting is disabled.
TO-5725 (CAS-244497-F1F5J7)	You cannot create or import a printout model at a workstation unless at least one printer is installed.

Customize

A.4.4. Hub

Issue No.	Description of fixed defect
TO-6043 (CAS-249676-M6K0D7)	The icon for PACU Manager corresponds to an old product version.

Hub

A.4.5. Installation

Issue No.	Description of fixed defect
TO-2824 TO-2882 TO-2892	The anes_type field is not upgraded correctly.
TO-3274 (CAS-195358-W2S9G7)	The CAR database READBEACONSTATUS stored procedure is inefficient and causes database blocking.
TO-3026	Allergy types with the word "medication" in the description are not upgraded correctly.
TO-3029	Upgrade scripts that insert data into the REACTIONS tabe cause datasync errors.
TO-4035 TO-2916 (DE100119)	After copying a database to a new SQL server, DB Utility may fail to run against the PSM database due to a missing SQL Server user - PicisSQL.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-4115 (CAS-217121-L9X5M7)	In certain situations, the MedSurg_purge ORM pre-reg tables job will purge active bookings due to predefined purge criteria.If a move of the active booking occurs after the purge occurs another interface message is created resulting in a duplicate account.This is specific to the PreReg Interface.
TO-4407 (CAS-221746-T5Y2M0)	For upgrading sites with a large number of Patient Summary notes, DB Utility may hang or take a long time (hours) when running the Text2RTF script.
TO-5304	PCM cleaner does not clean up messages related to devices.
TO-5393	Applications cannot be opened after upgrading the PCM server if the server was associated with a department other than "Unknown" before the upgrade.
TO-5541 (CAS-232428-F8M6J1)	Large configuration sets (8MB+) are not applied to workstations correctly when Picis desktop software is reinstalled.
TO-5703 (CAS-235080-Z1N0V1)	Upgrade script #242 fails for ENVIRONMENTTYPES (workstation templates) if there are conflicts. With the fix... If two records exist with the same DBOID, DESC, and SHORTNAME, no action is taken. If two records exist with the same DBOID, DESC, or SHORTNAME (but not all three), then actions are taken (a new DBOID is assigned to the existing record and/or either DESC or SHORTNAME is renamed).
TO-6214 (CAS-251692-F9V8P0)	The PCM Cleaner does not process the CMN tables when removing records from the CAR database.
TO-6224 (CAS-251474-P2B6B1)	The ConstraintRenaming.sql script fails when upgrading the ORM database.
TO-6228	After upgrading an admin-only site it is not possible to open OR Manager or Security Manager.
TO-6251 (CAS-252653-S8G5M2)	Errors occur when running script DeletePatientData (run after DB-specific script).sql after running script PopulateCARListOfTablesToDelete (run first).sql against the CAR database.
TO-6271	For some suitekeys, one of the installation files (Newtonsoft.Json) is not installed when running the installer.

Installation

A.4.6. OR Manager

Issue No.	Description of fixed defect
TO-2580	Data loss can occur due to single line and multi-line fields being in the same group.
TO-3310 (CAS-166251-H3S9P8 ; CAS-214775-F2J1M1; CAS-215228-C4D7J8)	OR Manager crashes if the user clicks within the program window while the window of another 3rd party application (e.g. Microsoft Excel) is partially blocking the OR Manager window and has the focus.
TO-4113 (CAS-217493-F5G2J5)	Occasionally, PAT Test data may be missing from bookings (the PAT Test date is still visible).
TO-4789 (CAS-223567-J1W3R4)	If the facility is corrected for a waitlisted booking that was created in the wrong facility, the updated MRN does not propagate to the clinical modules,resulting in the failure of dynamic data exchange.
TO-4846 (CAS-222170-S8D9G5)	Changes to the anes_type made in Anesthesia Manager are not reflected correctly in OR Manager. (OR Manager should show the last anes_type entered in Anesthesia Manager. If the last anes_type is deleted in Anesthesia Manager, OR Manager should show the previously entered anes_type.)
TO-5045 (CAS-225682-V9Z6P3)	After renaming a Precaution in OR Manager, the updated name is not propagated correctly to the clinical modules after initializing a case record. (This is due to the creation of a second precaution entry in the database instead of the original single entry being modified.)
TO-5730 (CAS-244750-T7Y3W8; CAS-245962-L8Q3P0)	For sites configured to upload case records to the HIS automatically (when the necessary criteria are met) an error message is shown if a user attempts to delete a case record immediately after it has been uploaded.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-5770 (CAS-246180-V7W1G5)	To avoid HL7 message rejection, ORM should sortbillable stock debits before credits when quantities are adjusted on a re-opened case that has not yet been transmitted.
TO-5797 (CAS-245400-N5K8H9)	Inconsistencies can arise in dates shown on reports due to differences in regional settings between Picis computers. Note that this has been fixed by introducing a new OR Manager flag - reporting_date_format. By default, the flag is set to mm/dd/yyyy for US sites and dd/mm/yyyy for all other sites. It can be changed to another format using "m" for month, "d" for day, and "y" for year. (After applying this service pack, regional settings will be ignored regardless of this flag setting.) Note that the setting is only applied to dates that are created in Picis database tables after the service pack is applied. If necessary, Picis can help sites tidy up existing dates in the database after applying the service pack. Please contact your Picis representative for more information.
TO-5819	Error messages are shown when using the Manage routine if preference cards have pref_card_sect_stock rows out of sequence.
TO-5854	A "Specify Retrieval Arguments" window displays when creating a case record if the Resources dictionary is empty.
TO-5855	When no patient is selected, a "patient conflict" error message appears when selecting Booking Options> Clear Current Booking.
TO-5899 (CAS-245981-Y5T8Z7)	It is unclear why the Report Scheduler only shows a partial list of reports. (This has been fixed by introducing a new button, "Show Exclusions". For more information, see *New and Modified Functionality* on page 29.)
TO-5900 (CAS-247496-H9Y0N6)	The Report Scheduler cannot be started on machines configured with regional settings that use a date format different to the USA.
TO-5918	Reports cannot be created in a mapped network folder despite it being possible to select such a folder in the Reports Scheduler. (The fix allows the user to select a mapped network folder, but after selecting such a folder the full UNC path for that folder is substituted in the Reports Scheduler.)

Issue No.	Description of fixed defect
TO-5920 (CAS-252985-H7R6W9)	The loading of external reports by the Crystal Reports Scheduler can take an inordinate amount of time.
TO-5957	The software does not restrict you from mixing single line and multi-line fields in the same user-defined group. (It should not be possible to do this.)
TO-5964 (CAS-245981-Y5T8Z7)	After a software update, valid users often do not have access to Schedule External Reports.
TO-6112	An incorrect error message appears when attempting to retrieve a bookin in the Manage Bookings window during a network disconnection.
TO-6135 (CAS-249511-M5L2V4)	If the bypasslogon system flag is enabled and a user starts OR Manager after logging into Windows as a generic user,an error message is shown (and it is not possible to continue).
TO-6160 (CAS-251695-M6J8P5; CAS-251929-L5J2D0)	It is not possible to document a time in the future for any military time field (the restriction should just apply to milestone fields and other fields integrated with Anesthesia Manager).
TO-6164	A "VistA Filter" button for patient search windows should only appear at VA hospitals. However, clicking Clear All when creating an Add-On Case can cause thebutton to become visible at non-VA sites.
TO-6181	The Gender field is not shown in the window for changing a patient.
TO-6187	The vip_flag field can be edited by users who do not have the appropriate rights.
TO-6195	Users without security rights to use the Worksheets button in the Manage Bookings screen are nevertheless able to use the button.
TO-6201	The main Case Record window is missing the [X] in the upper right corner.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-6202 (CAS-244351-J1N3C5)	Allocated RAM memory is not correctly released when closing the Schedule Viewer.
TO-6208 (CAS-251924-G2Y7R4)	For cases with multiple procedures, edits to a procedure in the case record header are not correctly reflected in the cr_mod_proc_desc field unless the case record is closed and reopened.
TO-6223	The program crashes when changes are made to forms in Case Record sections (Maintenance > User Defined Settings > User Defined Screens).
TO-6390	Users are prompted to log on when running a Crystal Report containing a subreport based on a stored procedure.

OR Manager

A.4.7. Preop Manager

Issue No.	Description of fixed defect
TO-5332 (CAS-227473-K2N9H8)	In specific circumstances, on attempting to preadmit a patient an error message is shown and the preadmission does not start. Note - This issue only affects sites that have edited the ENVIRONMENTTYPESHORTNAME value for the "Preadmission" entry directly in the ENVIRONMENTTYPES table of the CAR database. (Besides storing template names this table also stores "virtual" templates for Preadmission, Transfer and Discharge. Although the short names are not actually used anywhere, the fix is such that sites are now able to edit them if needed. For example, a site may want to localize the short names to make it easier to work with this table in the database.)

Preop Manager

A.4.8. Security Manager

Issue No.	Description of fixed defect
TO-6078	It is not possible to set "Exempt from Lockout" when creating a new user.
TO-6188	The Full Access checkbox for SmarTrack macros remains cleared even though all macros have been manually selected for the user.

Issue No.	Description of fixed defect
TO-6354 (CAS-254743-D1R2W4)	After installing a patch, Security Manager shows a version error on launching.

Security Manager

A.4.9. SmarTrack

Issue No.	Description of fixed defect
TO-5728 (CAS-244495-J4J1R2)	After initiating a case record for an OR booking that has an associated PAT booking, theOR booking may be inadvertently set as "Completed" and (depending on the screen configuration) may subsequently disappear from the tracking screen.
TO-5846 (CAS-246655-Q1K2N8)	If a case record is initiated after a checkpoint is satisfied, the timestamp of a field mapped to that checkpoint will show the case initiation time, rather than the time the checkpoint was satisfied.
TO-6186	When making booking staff assignments a database error message is shown when selecting a clinical role.

SmarTrack

A.4.10. VA

Issue No.	Description of fixed defect
TO-5502 (CAS-230031-J4Q1W3)	In certain circumstances, the notifications icon turns red even though all relevant data changes have been acknowledged. This happens when an allergy is deleted in VistA, the deletion is acknowledged in Anesthesia Manager, and then Anesthesia Manager is closed and restarted with the same patient.
TO-5629 (CAS-238066-C1N0Y3)	The TIU screen shows hidden characters (~nl~~nl~) for carriage returns in Patient Summary notes.
TO-5707 (CAS-242340-X0T3M9)	In certain circumstances, after deleting the "This Machine Configuration" configuration set in Customize, it is not possible to log in to Anesthesia Manager using VistA credentials even though the VA setting is enabled in the applied configuration set.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-5871	Patient data is not pulled across from VistA when creating a case record for a patient that is not yet in the ORM database. (A VistA patient is added to the ORM database when that patient is selected from a VistA patient search in either the booking or case record (or add-on case).
TO-6101 (CAS-250871-J5K5G9; CAS-251500-M4C5X4 ; CAS-253885-M9R2N3)	An error message is shown when starting a session in Anesthesia Manager for a patient who has a precaution with more than 10000 characters entered in VistA.
TO-6120	The VistA patient search by clinic defaults to show patients from all dates if a specific date range is not specified in the From/Thru fields. (It should instead show only patients from the current day.)
TO-6130 (CAS-248114-B1M2M8)	When "Only show my events" is selected in the Patient Summary and the summary is subsequently exported as a TIU note, events from all users are inadvertently exported rather than just those entered by the logged in user.
TO-6131	For VistA patients, ethnicity data is not shown correctly in Anesthesia Manager.
TO-6144	After logging on to Security Manager, all commands on the File menu are available. (For VA sites, only the first three commands should be available.)
TO-6145	After logging on to Security Manager, the Manage Passwords command on the Maintenance menu is available. (For VA sites, this command should not be available.)
TO-6146	An error message is shown when searching for add-on case patients by gender in OR Manager.
TO-6147	The VistA Search and Patient Search buttons are both enabled after clicking the Clear button in the patient search screen for add-on cases. (Only one of the buttons should be enabled at any time.)
TO-6149	The button used to search for patients in the OR Manager database (rather than in VistA) is incorrectly labled as "Search Patient" instead of "Search OR Manager".

Issue No.	Description of fixed defect
TO-6158	If a user logs in to Security Manager with VistA credentials and changes an application parameter, the "User Last Edit" field shows an internal identifier for the user rather than the user description.
TO-6168	When clicking Clear Current Booking, an error message related to a patient conflict is shown.
TO-6169	An error message is shown in OR Manager when attempting to use the "Copy Case" function from the Manage Case Records screen.
TO-6172	When making booking staff assignments in SmarTrack it is sometimes possible to select a member of staff more than once for the same clinical role, resulting in a database error message.
TO-6173	An error message is shown in SmarTrack when selecting "Enter/Edit Case Record" for an add-on that was created in SmarTrack.
TO-6177	In ADT Administator, when attempting to discharge a patient who has already been discharged an unintelligible error message is shown.
TO-6196	When creating a case record for a patient found with a Last Name / 4 last SSN search, demographics data is not correctly loaded for that patient.
TO-6227 (CAS-252641-L5X8L9)	When "Only show my assessments/scores" is selected in the Patient Summary and the summary is subsequently exported as a TIU note, assessments and scores from all users are inadvertently exported rather than just those entered by the logged in user.
TO-6357	The SSN filter in the VistA patient search window does not work (patients that match the SSN criteria are not found).
TO-6359 (CAS-254968-J6M0S3)	If the VistA Patient IFN is greater than 2,147,483,647, an error message is shown when submitting the Patient Summary as a TIU note.
TO-6389	It is sometimes not possible to log on at the first attempt. (After eventually logging on, an error is show when opening the Patient Summary window.)

VA

Appendix A: Previously Fixed Defects

A.5. Fixed Defects Carried Forward from 8.6 MR4

A.5.1. Installation

Issue No.	Description of fixed defect
TO-2907	The RegistrySettings.config file is not updated with the correct application version number after an installation.
TO-5549 (CAS-232696-K7X9X7)	DB Utility Script #242 fails due to an index error.
TO-5597	The pre-requisites installer fails for Citrix Servers if a newer version of Crystal runtime is present.
TO-5732 (CAS-244992-K2G4D2)	DB Utility PSM scripts fail due to an error converting data type nvarchar to int.
TO-5794	The dbutil_index sp can create multiple indexes for the same column.

Installation

A.5.2. Hub

Issue No.	Description of fixed defect
TO-5323	The "Admit to default template" tooltip for the Admit button is not shown.

Hub

A.5.3. VA Sites

Issue No.	Description of fixed defect
TO-5721	The VA VistA Lab Results window returns an error when trying to retrieve data from a year prior to 2000.

Issue No.	Description of fixed defect
TO-5867 (CAS-247215-T0F2R1; CAS-241751-H8B7S9)	In Anesthesia Manager, it is not possible to start a session for a VistA patient who was previously admitted to another facility.

VA Sites

A.5.4. "Administrative modules"

A.5.4.1. OR Manager

Issue No.	Description of fixed defect
TO-5571	In the Surgeon utilization report, case counts are incorrect when the report shows some surgeon groups but not all of them.
TO-5648 (CAS-207241-D2Q6H9)	When editing a complex booking, the displayed standard setup/teardown times change when switching between surgeons.
TO-5668 (CAS-242161-F2F6C5)	In certain situations, it is possible to enter a milestone date in the future on the Case Record.
TO-5669 (CAS-237176-V1H3L4)	Spellcheck does not work in the word processing screen (due to a missing DLL).
TO-5712 (CAS-243271-J2Z8P4, CAS-245994-D9Y0C4, CAS-246634-L9X6W6, CAS-248225-N3Y3Z3)	In certain situations, the application crashes when attempting to swap bookings in the Rearrange a Day screen.

OR Manager

A.5.4.2. SmarTrack

Issue No.	Description of fixed defect
TO-4874 (CAS-224403-G1C4C9, CAS-224437-R2Z5X5k, CAS-247368-Y9K0G7)	SmarTrack screens are not refreshed due to a database job failure.

SmarTrack

Appendix A: Previously Fixed Defects

A.5.5. "Clinical modules"

A.5.5.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-5687 (CAS-240949-M1R4S2)	Patient Summary notes are not shown when you select Current Shift or Previous Shift.
TO-5689 (CAS-239492-N2B9C7)	An error message is shown in the Chart Data section of the Patient Summary if the regional settings of the services server use a space as the digit grouping symbol.
TO-5711 (CAS-193615-D4R7P8)	Timers are not reset between patient sessions.
TO-6082 (CAS-250005-P4Y4B7)	PDFs are not being exported to the HIS when configured to do so.

Anesthesia Manager, PACU Manager, Critical Care Manager

A.5.5.2. Preop Manager

Issue No.	Description of fixed defect
TO-5798 (CAS-245301-K1R2L6)	In certain situations, you cannot print a Preop Evaluation from a machine that has a different hospital ID than the machine where the Preop Evaluation was initiated.

Preop Manager

A.5.5.3. Configuration Tools

Issue No.	Description of fixed defect
TO-5626 (CAS-240417-S9N2B9)	After using the change patient feature, the previous patient's MRN is shown in the events window (only the DBOID should be shown).

Issue No.	Description of fixed defect
TO-5665 (CAS-241440-Q3W6F8 CAS-242387-C9M5Q5)	In FormsBuilder, a Print Preview for a selected patient displays the published version instead of the draft version
TO-5704 (CAS-242968-M6N1M9)	After a patch is installed, users cannot preview printout models in the Printouts Builder.
TO-5705 (CAS-242961-M7T6F0)	In Printouts Builder, when right-clicking a custom SQL Block the selection jumps to another block.

Configuration Tools

A.6. Fixed Defects Carried Forward from 8.6 MR3 SP6

A.6.1. Installation

Issue No.	Description of fixed defect
TO-4649 (CAS-222758-C8N8X9)	Issues occur when running programs on thin clients when the machine name is longer than 24 characters.
TO-5466 (CAS-231331-H5X9Y6)	Application logon issues and crashes when launched in systems using Directory Services Authentication for password validation.
TO-5515	Picis Hub does not show icons for Preop Manager, OR Manager or Security Manager when it should do.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-5545 (CAS-234026-G1P6S2)	After upgrading web services, the application pool advanced recycling settings reset to a 60 minute refresh.
TO-5554 (CAS-234665-X0W3C0)	Security rights to the Picis Hub are not automatically upgraded during a system upgrade.
TO-5613	IDB database maintenance jobs have a truncated SQL statement for the AAG check, causing them to fail.
TO-5649	Multiple issues may arise in Picis programs when the system is running in AAG mode.

Installation

A.6.2. Databases

Issue No.	Description of fixed defect
TO-3045 (CAS-1-93431151)	PCM Cleaner does not remove old content from the database because it calculates using the service start date instead of the current date.
TO-3061	PCM Cleaner gets block and stops auto-discharging patients if there are admissions pending to process with Advanced Directives.
TO-5539 (CAS-233428-K3W2J3)	DBE: 8.6 MR 3 upgrade from 8.5 PSM 772 sp 5 and sp 10 scripts fail.

Databases

A.6.3. Hub

Issue No.	Description of fixed defect
TO-5619	In certain situations, Picis Hub crashes when a "scheduler" user attempts to launch an application.

Issue No.	Description of fixed defect
TO-5589 (CAS-237612-V1R9M8)	When a patient has many allergies, the data may be cut off. (The fix has been to add an ellipsis to indicate overflow and a tooltip showing the complete list of allergies.)
TO-5555 (CAS-234816-C8Z2N8)	After opening a program from Picis Hub, clicking the icon again makes the opened window decrease in size.
TO-5533 (CAS-233506-C4M5N5)	Picis Hub cannot be started when Meditech authentication is active.
TO-5499	Applications cannot be launched from Picis Hub in systems using Directory Services Authentication for password validation.
TO-5471	Picis Hub shows icons for Picis applications that are not installed.
TO-5470	After upgrading a pre 8.6 system, it is not possible to log in to applications from Picis Hub.
TO-5461	Applications cannot be launched from Picis Hub on a 32-bit machine.
TO-5364	Customize prompts for login credentials when accessing from Picis Hub after a password change.
TO-5357	Only one Citrix user can access Picis Hub at a time.
TO-5331	Icons are missing if they correspond to the applications for which the previous Hub user did not have access rights.
TO-5330	The Hub crashes if a user who only has rights to Anesthesia Manager, PACU Manager or Critical Care Manager logs in immediately after another user who has these same rights.
TO-5325	In a standalone "administrative modules" system, a crash occurs when logging off the Hub.
TO-5315	Threshold values are assigned to the wrong variable if the configured limit has the same value as the CNL code of another variable.

Hub

Appendix A: Previously Fixed Defects

A.6.4. VA Sites

Issue No.	Description of fixed defect
TO-4792 (CAS-223690-B7Q2T7)	An issue with the PCM cleaner process prevents users from logging on.
TO-5062 (CAS-223269-G0B9T1;CAS-231819-X6P9W0)	It is not possible to sign in to Citrix at VA sites.
TO-5327	The icon for Anesthesia Manager is missing.
TO-5328	Logging off the Hub does not work correctly; if a second user logs on they will be logged in with the first user's credentials.
TO-5474 (CAS-224137-T2R1B)	After clicking the padlock button to log out of Anesthesia Manager, the username field of the Login dialog box is automatically populated with the Access and Verify codes.
TO-5548 (CAS-234026-G1P6S2)	The program crashes due to VISTA password expiry prompts.

VA Sites

A.6.5. "Administrative modules"

A.6.5.1. OR Manager

Issue No.	Description of fixed defect
TO-3633	The average time shown for a selected complex procedure changes if you select a second procedure and then select the first procedure again.
TO-4614 (CAS-222424-L3P7P0)	If you copy a booking in which the procedure is linked to various forms and then change the procedure, the fields related to the original procedure are still present..

Issue No.	Description of fixed defect
TO-4943 (CAS-231845-X3K7H0)	At sites with two facilities, OR Manager crashes when attempting to configure TPK conflict settings.
TO-4996	The user must exit and re-access Report Scheduler after each schedule creation in order to create additional schedules for the same report.
TO-5565 (CAS-235654-J3L4Y4)	When printing a picklist the window for selecting criteria does not close automatically.
TO-5588 (CAS-237713-L0K5J2)	In certain situations, when searching for a non-existing item in the Stock dictionary, the Search window does not close.
TO-5608 (CAS-239569-P8K0X6)	The Case Record crashes when editing a section with a form that does not apply to the case's procedure.
TO-5610 (CAS-239854-V2Z5V1)	After selecting "All schedules" and sorting by end date, you cannot select the top item in the Room dictionary.
TO-5617 (CAS-239561-N1N3G9)	When Conditions for editing have been assigned to fields, and the response that meets the condition(s) is changed to a response that does not, the user is prompted to clear the field values. If the user clicks Yes it can take an inordinate amount of time for fields to be cleared.
TO-5695 (CAS-239561-N1N3G9)	When editing a field that is used as a condition on other fields, the mandatory field becomes active when it should not be active.

OR Manager

Appendix A: Previously Fixed Defects

A.6.5.2. SmarTrack

Issue No.	Description of fixed defect
TO-4994 (CAS-225310-P6K5S3)	The Status Location tab only shows up to 16 statuses. If there are more than 16 configured statuses some of them will not be shown.
TO-5607 (CAS-239494-H9W8G2)	In certain situations, after editing checkpoints and regenerating, SmarTrack screens go blank.

SmarTrack

A.6.6. "Clinical modules"

A.6.6.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-3360	Census lists may not show buttons and search fields properly when the language is not English.
TO-5411 (CAS-229485-L7F2G5)	The Medication Details block on printouts appears blank if the block has been configured as comma-separated.
TO-5412 (CAS-229490-P1W0R5)	Fluid balance data does not appear on printouts.
TO-4064 (CAS-216528-S1F1Q0 CAS-230989-N5J4F3 CAS-233068-B2B7Y8 CAS-227487-Y3Z4D8 CAS-239823-F9M4J1)	On printouts, physiologic data does not show the number of decimal places that were configured.
TO-5366	It is not possible to save a screen layout with a question mark in its name.
TO-5368 (CAS-226847-T4Y2P6)	For event blocks, the configured sort order is ignored if the block format is "comma separated".

Issue No.	Description of fixed defect
TO-5385	The Protocols window does not open if the patient had a booking or preadmission prior to admission in Anesthesia Manager.
TO-5425	Documented tasks for combined medications do not appear as expected on printouts (they are shown in the Medication Details block but not in the Medications block.)
TO-5426	When printing to PDF, column descriptions are not shown for the Medication Details block (when it is set to a tabular format).
TO-5431	It is possible to resize blocks inside an auto-fit container and this leads to issues in the final printout.
TO-5439	Printouts are not created when the period covered by the printout includes documentation of a weight-based medication.
TO-5472 (CAS-226847-T4Y2P6)	Printouts that contain both portrait and landscape sections are not correctly printed.
TO-5534 (CAS-233480-W4V4G6)	Inactive staff members are still listed in the dropdown list of users in the Login dialog box.
TO-5538 (CAS-233677-Z7W9V0)	After documenting events, users need to press the F5 key for them to be shown in the Event Log.
TO-5543	Physiological data does not populate the current time column when it is set as the rightmost column.
TO-5559 (CAS-235371-X2D1B5)	After applying a patch to the system, event-triggered printing fails.
TO-5560 (CAS-235229-R1M3X1)	After applying a patch to the system, manual printing fails.
TO-5578	When ShowUserNameCombo setting is enabled and a user types a username in the Login dialog box, the name appears blurred.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-5587 (CAS-235229-R1M3X1)	In certain situations, Anesthesia Manager can be sluggish or even crash.
TO-5604 (CAS-239626-X4S7Y5)	The "Add Orders" button in the Protocols window has a hash in front of it. In addition, the text remains in English at sites using localized Picis software.
TO-5605 (CAS-239547-S4K7W5)	The census list is empty when starting Anesthesia Manager from OR Manager if the user has logged on with Directory Services Authentication.

Anesthesia Manager, PACU Manager, Critical Care Manager

A.6.6.2. Preop Manager

Issue No.	Description of fixed defect
TO-4575 (CAS-221513-G2W5P7)	Preop Manager does not list precautions in the correct order.

Preop Manager

A.6.6.3. Adt Administrator

Issue No.	Description of fixed defect
TO-5260	In certain situations, a warning message is shown after changing a patient in ADT Administrator.

ADT Administrator

A.6.6.4. Configuration Tools

Issue No.	Description of fixed defect
TO-3327 (CAS-199525-H6R6G4 CAS-226778-Z3P2M1)	Flowsheets with non-English characters (such as those with accents) cannot be used in initial screen layouts.

Issue No.	Description of fixed defect
TO-5310 TO-5582 (CAS-227399-S0G5H9)	It is not possible to add the Quality Measures toolbar button to templates. (The Quality Measures toolbar button icon is missing from the Resources folder.)
TO-5405 (CAS-229496-T7J5Y5)	In the Printout Builder, it is not possible to save custom SQL blocks as comma-separated. They appear to save correctly, but revert back to the default, tabular.
TO-5414 (CAS-229756-B1K7R7 CAS-229730-Z6V5X4)	Customize crashes when you attempt to select a Family Behavior for the Fluid Balance block in the printout builder.
TO-5460 (CAS-231026-J1X5G2)	In certain situations, after removing a query from a census list it will not open at end-user workstations.
TO-5494	In certain situations when a Braun infusion pump is running, the program crashes on opening the Audit Trail for the infusion. (The issue was due to an internal value that caused automatic volume adjustments to be made with an overly high frequency. The "fix" has been to make the value configurable and to set the default such that adjustments will not occur so frequently. For more information, see the *System Configuration Guide*.)
TO-5561 (CAS-235544-D5D5Z5)	In the Printouts Builder, the Census List window for previewing with a selected patient, opens in the background.
TO-5568 (CAS-235533-V7Q7T3)	It is not possible to modify treatments in DB Editor.

Configuration Tools

Appendix A: Previously Fixed Defects

A.6.6.5. Diagnostic Tools

Issue No.	Description of fixed defect
TO-5602 (CAS-239589-Y9T4L7)	QuickQuery report functionality no longer works as expected.

Diagnostic Tools

A.7. Fixed Defects Carried Forward from 8.6 MR3

A.7.1. Installation

Issue No.	Description of fixed defect
TO-2879	In certain situations, performance is impacted when the IDB purge job for ADM records excludes large numbers of discharged IDB records from the purge selection.
TO-2880	When the IDB nightly purge jobs process large volume of records (normally exceeding 75,000) normal user activity can be impacted by the length of time the purge jobs take to complete.
TO-2881 DE66701	The idb_purge_adm_days stored procedure purges jobs that do not include discharge date nor service_date.
TO-3853 (211767-P1K5H1)	Upgrade issue for standalone "clinical module" sites upgrading from pre 8.3: The Update Password tool does not correctly re-encrypt passwords to AES standard.
TO-3983	An error occurs when referencing any synonym from within the application due to how they are constructed in an AlwaysOn Availability Group (AAG) environment.
TO-3984	DB Utility: A script error occurs when DB Utility is run in an environment that uses AlwaysOn Availability Group (AAG).
TO-4593	In certain situations, an error is returned in a DB Utility ORM database script when encountering specific user-defined table values relating to medication.

Installation

A.7.2. Various Modules

Issue No.	Description of fixed defect
TO-3251 CAS-195518-R7B8F2	In certain situations, no warning message appears during a network disconnection while working with the "clinical modules" applications.
TO-4940 CAS-208561-S3X4G1	In certain situations, multiple precautions entered in Preop Manager appear as a single updated precaution in OR Manager.
TO-5135 CAS-225661-X8F0K8	In certain situations, the BookingPatientID field is null for patient records formed when creating a booking in OR Manager.

Various Modules

A.7.3. VA Sites

Issue No.	Description of fixed defect
TO-5273 CAS-225415-S6B8S9	After admitting a patient, precautions do not display in the Patient Information Band (although they are visible in the Demographics window).
TO-4864	After logging out in Anesthesia Manager, the username is displayed in the Login window. It should be blank at VA sites.
TO-2920 (DE101223)	(VA only) The default Function key shortcut mapping profiles are not included when SmarTrack is added to an existing install.
TO-4002	The Transaction Monitor job may fail on occasion due to an error when converting system spid from varchar to int.
TO-4121 CAS-217542-N4J7Q2	In certain situations, printouts created in Anesthesia Manager are not sent to VistA

VA Sites

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-4138 CAS-218086-D4F8K8	Users cannot log in to Anesthesia Manager using upper case credentials in some circumstances.
TO-4167 CAS-219888-L8D5K5 CAS-217400-N9Y7H1	Clinical modules show "no known allergies" for a patient when no assessment has been completed, instead of just staying blank.
TO-4919 CAS-224958-Z7G1H5 CC0717003	If a reaction (in the PATIENTALLERGYREACTION table) is set to ISDELETED=TRUE in the database, it is still shown in Anesthesia Manager, when it should not be.
TO-5049 CAS-225661-X8F0K8	In a specific situation when using the Bring Back workflow and the ENCOUNTERS.FSCASEID column is null, the census list displays duplicate patient names.

VA Sites (continued)

A.7.4. "Administrative modules"

A.7.4.1. OR Manager

Issue No.	Description of fixed defect
TO-5404	In certain situations, surgeons appear in dropdown lists even when they do not have rights for the facility.
TO-4680	Moving the mouse / pointing device while you are booking to grid causes the grid box to move around and thus make it appear as if you are booking in a different slot.
TO-3398	When a user has facility access but no room access within that facility, Manage Case Records is accessible but the facility is not visible as a selection option.

Issue No.	Description of fixed defect
TO-3700 CAS-206800-K4M6W1	In certain situations, when two preference cards with a common TPK are added to a case, the quantity value of the first preference card is doubled by the appending of the second preference card to the case.
TO-3925	At TPA sites, when adding a non-standard allergy field to a form in OR Manager, no warning is shown to say that data will not transfer to/from the "clinical modules".
TO-4047 CAS-214254-P7B9T8	When the Case Record Upload Settings are defined, there are instances where the audit trail event or the database record is missing even when the report exists.
TO-4055 CAS-166449-W2L2X4	Data for a "time" field that is shared with the "clinical modules" can be lost when the fields are in a group.
TO-4100	When printing entries from the Anesthesia Type dictionary, the "From Entry" and "To Entry" fields should show any inactive entries with strikethrough text, but they do not.
TO-4114 CAS-217265-P9N3H5	When creating a PDF for Case Record Upload, there are instances where the database table is updated and the audit record is written but no PDF is successfully created.
TO-4120	The Report Interface debug log is written to C:\ instead of the location defined in the ReportPath for Report Interface.

A.7.4.2. Security Manager

Issue No.	Description of fixed defect
TO-2487	When the login_option application parameter is configured to automatically set the last User Id at login, Security Manager login window displays the user's Windows login ID.

Security Manager

Appendix A: Previously Fixed Defects

A.7.4.3. SmarTrack

Issue No.	Description of fixed defect
TO-3389	If SmarTrack is configured to remove cases from the screen at midnight there is no way for users to remove a patient from a location the following day.
TO-5395	Some SmarTrack functionality does not behave correctly when SQL Server is running in an Always-on Availability Group (AAG) environment.
TO-3127	SmarTrack: When SmarTrack booking completes using AutoComplete, the location remains occupied in certain situations.
TO-3828 CAS-211758-H7D2Y4	SmartTrack: Due to truncated SQL strings used in the TRK_BKG_PROCESS_TXQ job, the job ends prematurely and the SmarTrack screen incorrectly displays no records.
TO-4153 CAS-218960-Q8J9D7	SmarTrack: The pre-admit booking start time does not display in SmarTrack screen for ORM pre-admit tests in certain situations.

SmarTrack

A.7.5. "Clinical modules"

A.7.5.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-5411	Medication details are not shown on printouts when configured as comma-separated.
TO-4097	An error message may be shown on printing if the medication block includes a medication for which a documented task was undone and later documented again.
TO-2734 DE94402 (1-90269401)	A PCM Cleaner query may timeout if is runs longer than the configured StatementTimeout setting, affecting application performance and other job(s) that may be running.
TO-3064	For printouts with Fluid Details or Medication Details blocks, the Printout Viewer incorrectly shows some data in the wrong encounter.
TO-3272	The [TM] variable used for printouts (in the Printouts Builder) does not work.

Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-3350 (CAS-166922-T8S0W5)	The format of the username shown at the top of the patient chart incorrectly includes a comma when it should e.g "John, Smith"
TO-3703	An error message is shown when trying to create a Patient Summary note. (This only affects 8.6 SP5 Patch 1.)
TO-3976	At Citrix machines running Anesthesia Manager the SAM window event descriptions have inconsistent formatting.
TO-3996	Data for manually copied forward physiologic variables stops displaying if the notification limits are edited.
TO-4045	Data for manually copied forward physiologic variables is displayed even when outside the artifact limits.
TO-4116 (CAS-215663-H2G8G1)	In certain situations, the fluid rate shown in cells is not the expected value.
TO-4879 (CAS-223337-T6C7Y2) (CC0717001)	Laboratory data linked to a HIS preadmission is lost when the patient is admitted in Anesthesia Manager.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

A.7.5.2. Preop Manager

Issue No.	Description of fixed defect
TO-3196 1-93892831	Margins are not respected when printing the preop printout.

Preop Manager

A.7.5.3. Quick Query

Issue No.	Description of fixed defect
TO-3506	In certain situations, the subsidiary tool QuickQuery does not start successfully.

Quick Query

Appendix A: Previously Fixed Defects

A.7.5.4. Configuration Tools

Issue No.	Description of fixed defect
TO-4014	ADT Administrator allows you to change patient even if session times overlap.
TO-5405	Custom SQL blocks are not saved correctly when set as "comma-separated".
TO-5414	The Printouts Builder crashes when trying to select family behavior for the Fluid Balance block.

Configuration Tools

A.7.6. Interfaces

Issue No.	Description of fixed defect
TO-2911 (1-84739951) (DE92597)	Milestones interface: In situations where a site only uses the inbound component of the interface a unique ID is required to link to the correct case. This ID only supports values up to2,147,483,647. Considering that the ID configuration may concatenate entities such as the date and account number this limitation is too restrictive and can easily result in rejected messages.

Interfaces

A.8. Fixed Defects Carried Forward from 8.6 MR2

A.8.1. Installation

Issue No.	Description of fixed defect
TD-600 DE66697	Custom queries for "clinical module" census lists are not updated successfully when performing a reinit.
TO-3920	When running the CFGTool at a server, the 'User Workstation' setting is selected by default.
TO-3919	SQL jobs are failing on secondary replica when using AlwaysOn Availability Groups.
TO-3696	When upgrading services, backup files are placed in the wrong folder.
TO-3285	An update script for the TRK database fails.

Installation

Issue No.	Description of fixed defect
TO-3279	One of the scripts does not run successfully when updating SmarTrack using DB Utility.
TO-3263	Files from the previous version remain after upgrading a workstation unless the previous version is first uninstalled.

Installation (continued)

A.8.2. Various Modules

Issue No.	Description of fixed defect
TD-1212 DE79155	DE79155TD-1212 At Canadian sites where the systemflag USA=N, the PATIENTS.PTID3 field is updated with a social security number instead of an HCN number when an update to the MRI_DRC_PT_OTHER in the HIS is received from the IDB.

Various Modules

A.8.3. VA Sites

Issue No.	Description of fixed defect
TD-1252 DE82176 (1-89214521)	(VA sites only) The VistA Imaging application does not filter printouts based on the facility where a patient was admitted.
TO-3949	(VA sites only) "ShowActiveFluids" shown incorrectly in TIU Note.
TO-3936 (212248-L6S7F5)	Admitting patient via VistA search starts pre-admission.
TO-3835	(VA sites only) In certain situations, it is not possible to log in to Anesthesia Manager.
TO-3704	(VA sites only) A user may be unable to access the application if attempting to log in at the same time as another user.
TO-3625 (206176-J5P6R0)	(VA sites only) In certain situations, when two users log in at the same time it is possible for the wrong user to be shown in the application. This can happen after starting the application or when changing users with the application running.

Installation

Appendix A: Previously Fixed Defects

A.8.4. "Administrative modules"

A.8.4.1. OR Manager

Issue No.	Description of fixed defect
TO-1682 DE83003 (1-89376451)	The order in which procedures are entered on a booking is changed when multiple procedures exist and users receive an override error when attempting to proceed to the Patient tab.
TO-3744 (211394-V4J6N4)	Preference cards with a procedure or surgeon are not found using the Surgeon/Procedure search.
TO-3727	Bookings that are set to "Wait List" remain on the schedule viewer.
TO-3726	When repeatedly using the "Clear All" button in a case record add-on the Surgeon field moves such as to overlap the procedure date field.
TO-3725 (203883-D3P8B0)	In certain situations, when closing a case record or section the system may indicate that a field is mandatory when it is not.
TO-3724	Locks applied when working with the Booking Notes dictionary are sometimes not released.
TO-3723	When the system saves data in a multiline field, if there are blank lines at the end and the field is numeric with a format (ie ###), the system saves the blank lines and there is no way to remove them.
TO-3722	In certain situations, the system indicates that booking fields are mandatory when they are not.
TO-3716 (209150-N6F6X0)	Locks applied due to program crashes etc are not cleared when the user logs back in after a restart. The table storing the locks becomes blocked.
TO-3596 TO-2531 DE83756 (1-89458461)	A user is able to log in without entering credentials after the application has closed unexpectedly while another user was using the application via Citrix.

OR Manager

A.8.5. "Clinical modules"

A.8.5.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-3297 (196866-Z0J8G1)	In Printouts Builder printouts, footers that contain images sometimes show the first image that was loaded into the Image Library rather than the image that was configured to be shown.
TD-1251 DE81680 (1-89016511)	An error message appears when attempting to document a medication with units set to L/min.
TO-3995	Printout block date settings do not use regional settings.
TO-3986	Automatic printouts do not work if the text case used for the printer path and name do not exactly match the case used in the machine's printer configuration.
TO-3957	When filtering patient summary notes by "previous day" notes from the previous day are sometimes not shown (and instead appear when filtering by "current day".
TO-3935 (212248-L6S7F5)	New Patient button starts existing pre-admission.
TO-3750 (209230-D9S0X9)	In certain situations, a "Loading" message may keep appearing on screen. (The message is related to the Patient Summary even if it is closed, in the background, or related to a previously viewed patient.)
TO-3749	The first time a Patient Summary note is created it may not be listed when the default view is a custom period.
TO-3738 (209563-W2W6J3)	In certain situations, with "Show all notes" selected, Patient Summary notes are not correctly displayed.
TO-3737 (209559-H7C6W7)	The default font and font size for Patient Summary notes is incorrect.
TO-3736 (209133-P7K7N8)	For Patient Summary notes the "All Notes" settingdoes not work properly when the default period is a custom timeframe

Anesthesia Manager, PACU Manager, Critical Care Manager

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-3693 (203796-Q8B9F9)	For long-stay patients, the Patient Summary can sometimes take an unacceptable time to load.
TO-3692 (204037-V1H6K1)	In certain situations, data for "copy-forward" physiologic variables is only copied to the current time.
TO-3691 (204186-X8B5N3)	The date format in the Patient Summary window, Notes tab, ignores the regional settings of the PC and always shows US format (mm/dd/yyyy instead of dd/mm/yyyy)
TO-3690 (205270-D3R9W7)	When the user does not enter data in a note section, this section should not display in the note view, but it does.
TO-3583 TO-3689 (204154-N7N0F6)	In certain situations, the program may close unexpectedly when laboratory data (from a lab link) is received for the admitted patient.
TO-3688 (206398-F1H8T3)	In certain situations, the Patient Summary may crash when a user is editing a note.
TO-3687	Patient Summary notes are restricted to 2000 characters. (There should be no limit.)
TO-3681 (206836-F8D7D5)	In certain situations, the Patient Summary crashes if left open for a long time.
TO-3679 (206839-Z0B8K5)	The mouse wheel does not scroll in the Notes tab of the Patient Summary.
TO-3676	The New Orders icon on the Patient Information Band remains highlighted despite all orders being acknowledged.
TO-3675 (206833-V9F7R8)	Copy-forward physiologic variable values are not correctly updated from multibed workstations.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Issue No.	Description of fixed defect
TO-3672	When viewing Patient Summary notes, the selection changes to another note when the window is manually or automatically refreshed.
TO-3671	The Print button for Patient Summary Notes just prints one page of the most recent note rather than all pages of the selected note.
TO-3670	Patient Summary notes enteredat one workstation are not immediately visible at another.
TO-3669	Filtering Patient Summary Notes by type takes an unacceptably long time.
TO-3668	After clicking "Show All Notes" in the Patient Summary there may be display and audit trail issues.
TO-3667	For Patient Summary notes, it is not possible to see the note type, creatorand creator date/time at the same time.
TO-3666	The Patient Summary window sometimes loses focus and moves to the background.
TO-3665	The audit trail record for the Patient Summary can sometimes be incomplete.
TO-3653	In certain situations, the Demographics window may take an unacceptable time to open.
TO-3648	PIMS channels are creating excessive threads, sometimes leading to a PCM crash.
TO-3181	When the Patient Summary is closed, the FluidBalanceService SPID in the sysprocess table is not removed.
TO-3091	In Forms Builder printouts, all medications and fluids that are part of a protocol are loaded by default; unused medications and fluids cannot be filtered out.
TO-3066	When creating a printout that should show data up to the current time, the printout may show an additional column in the future.
TO-3065	Bag levels are not correctly shown for continuous blood products in a printout's Fluids IN block.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix A: Previously Fixed Defects

A.8.5.2. Configuration Tools

Issue No.	Description of fixed defect
TO-3998	The labels of some Block Configuration settings are truncated.
TO-3735	In ADT Administrator, the button for unlocking locked preop records does not work.
TO-3695 (201324-R7T5P7)	The Printout Builder crashes when assigning a printout to a configuration set.
TO-3694 (203672-W7K1D5)	When a census list column heading has a period '.', no values appear in the column.

Configuration Tools

A.8.6. Dashboard

Issue No.	Description of fixed defect
TO-3728 (207898-G9W4T1)	Room Turnaround Time is calculated incorrectly in certain situations.

A.9. Fixed Defects Carried Forward from 8.6 MR1 SP5

A.9.1. Installation

Issue No.	Description of fixed defect
TO-3317	Extelligence is not upgraded successfully if the default ports are not used.
TO-3375	An error message interrupts a non-Fully Interactive installation process if less then 4GB of hard drive disk space is available on the machine.

A.9.2. Various modules

Issue No.	Description of fixed defect
TO-1791	The ormgr_Recentchanges table receives multiple patient messages all at once when booking data is saved, resulting in slow dynamic data exchange or possibly missing data.

Various modules

Issue No.	Description of fixed defect
TO-2754	Searching in Preop Manager based on PAT Date returns results based on Surgery Date.
TO-3152	Occasionally, current medications added to a booking in Preop Manager are removed by PCM when the case record is initiated in OR Manager.
TO-3237	DB Editor, Security Manager, and ADT Administrator can be opened multiple times at the same desktop.
TO-3281	The categorySources section in the medsurg.exe.config file is enabled by default, allowing all of the available Picis Services trace activities to be written to the log directory. **Note:** For more information on configuring Picis Services logging, see the section titled "Picis Services Diagnostics" in the *Technical Reference Guide*.
TO-3368	The Configuration Wizard only allows the Net.TCP protocol to connect to Picis Services.
TO-3369 (CAS-202258-B3V0F4)	Occasionally, a patient conflict error message appears when adding patient bed type to an existing booking in OR Manager.

Various modules (continued)

A.9.3. "Administrative modules"

A.9.3.1. OR Manager

Issue No.	Description of fixed defect
TO-2493 (CAS-201200-N6S5Y3)	Users are able to delete a room from the Booking tab by right-clicking it and choosing Delete, but the room returns with subsequent bookings.
TO-2564 (DE93465, 1-91003771)	Worksheets are not printed successfully from Manage Bookings if the Preference Card index includes 80,000+ entries.
TO-2566	At Canadian sites, the SSN field appears on the Enter Emergency/Add-On Case window after selecting a patient, entering data in fields, and refreshing the screen.

OR Manager

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-2567 (DE94166, 1-91083689)	Anesthesiologists are not sorted to appear at the top of the Name drop-down menu that exists on the Anesthesiologist tab when creating a new booking.
TO-2569	An error message appears when adjusting the Quantity value using the arrow buttons in the Equipment, TPK, and Resource dictionaries.
TO-2572 (1-91345555)	A SmarTrack macro that is created to page staff successfully executes when creating a booking that satisfies the required checkpoints and then unexpectedly executes again when a case record is initiated.
TO-2574	At Canadian sites, an MRI search using the HCN field does not return any results when searching for patients that do not yet exist in the Picis system.
TO-2590 (DE98736, 1-93125261, 1-93195275)	Users are able to click the Close All Sections button and continue even when mandatory fields are not completed.
TO-3095 (1-93605831)	Case Record report is not generated after closing all sections when the case record upload settings are configured to generate when Sections Completed.
TO-3124 (1-93578177)	Stock cost does not appear for a stock added to the Supplies/Billing Exception Noting window when Scan Mode is enabled.
TO-3160 (1-93969121, CAS-166776-P3D5M2)	The application closes unexpectedly when attempting to initiate a case record from Schedule Viewer if there are no active Preference Cards.
TO-3184 (1-94077061, CAS-166829-Z2S3Y3)	Users should not be able to perform a change patient on a case record when initiating the case from the Schedule Viewer or Manage Bookings window.
TO-3267 (CAS-166925-V8P5Z0)	An error message appears when attempting to edit a block in a monthly schedule in Schedule Viewer.
TO-3292 (1-93683531)	Occasionally, the application stops responding when searching for CPT or ICD codes when entering a booking or procedure.

OR Manager (continued)

A.9.3.2. OR Manager Web Access

Issue No.	Description of fixed defect
TO-3330	The Picis SQL password is visible and unencrypted in debug files when debug logging is enabled.

A.9.3.3. SmarTrack

Issue No.	Description of fixed defect
TO-3140 (1-93634003)	The view magnification is not retained over night when set to 150% at workstations configured to use local timezones.
TO-3177 (1-93608879)	Users are unable to append/overwrite a preference card in the supplies of a case record opened from SmarTrack.

A.9.4. "Clinical modules"

A.9.4.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-2730	When users select a patient in the Census List window and click Start Session, and then close the Admit a Patient window, the Census List window closes as well.
TO-3062	Printouts are not processed successfully after the auto-discharge time is reached if the printout includes multiple components, exceeds 100 pages, and is associated with a template configured to auto-discharge patients after 60 minutes.
TO-3110 (1-93687031)	User name and password are visible in the Command Line column in Windows Task Manager for the Remote View process and Printout Loader process.
TO-3212	The Login dialog takes longer than expected to appear after the computer's cache has been cleared.
TO-3257 (CAS-195578-K5R8Y8)	For Printouts Builder printouts, the system user is included in the HL7 message when sending printouts to file rather than the user who generated the printout.
TO-3283 (CAS-164939-G9V4Z0)	(VA only) A different user is shown as logged in when opening the application in standalone mode while other users are connected to other workstations and VistA is disconnected.

Anesthesia Manager, PACU Manager, Critical Care Manager

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-3298 (CAS-145849-G9C1V4)	The Printout Loader takes longer than expected to open when using a macro if the application is running via Citrix.
TO-3302	In ADT Administrator, a patient that was pre-admitted appears as discharged.
TO-3311	Users are unable to admit a patient with a preadmission.
TO-3316 (CAS-198675-Q5Y1Z3)	Notes added to Patient Summary from previous days are not displayed on the Notes tab when all notes filter is selected; only notes added for the current day are displayed.
TO-3322	The application closes unexpectedly when attempting to open the View Remote Patient window while it is already open.
TO-3325	Printout Builder printouts are not exported to the HIS when using a template configured to do so for patients whose name includes an apostrophe.
TO-3342 (CAS-200309-X6M4L9)	Special characters (such as accents and symbols) that appear in Notes text added to a Patient Summary are no longer visible after upgrading from an earlier version (8.2.x for example).
TO-3344 (CAS-195861-B1F4W0)	The application may close randomly after transferring a patient and exiting ADT Administrator if the Transfer window is open on one workstation.
TO-3366 (CAS-156062-W1J8N8)	Pre-admissions are not processed correctly at a multi-timezone site if two PCM servers exist in different timezones and each is configured to process messages from facilities based on their specific timezone.
TO-3367 (CAS-201512-Q6Q9N0)	Notes in the Patient Summary are sorted by modification date rather than by creation date.
TO-3374	Fluid Balance is not calculated correctly if the a base solution value is added to the Bag Level window and the patient is transferred during the same minute.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Issue No.	Description of fixed defect
TO-3377	(VA only) Allergies that exists for a recently admitted patient appear on the patient summary for another patient open in remote view who also has allergies.
TO-3378 (CAS-202526-X2D6Y0)	Antibiogram details are not displayed in the Microbiology window after upgrading from an earlier version (8.2.x for example).
TO-3381	The Bag Level window for fluid orders appears upon transferring a patient when the settings Show Bag Levels on Transfer is disabled and Prompt to Discontinue Orders When Transferring Patient Out is enabled.
TO-3385 (CAS-203167-S2Q3X7)	The notes editor in Patient Summary does not display more than 14 lines of text; text is visible on the Notes tab but not while editing.
TO-3388 (CAS-203412-L1N1W8)	An antibiogram does not display its corresponding microorganism in the Microbiology window after upgrading from an earlier version (8.2.x for example).
TO-3505 (CAS-204650-F8L1Q1)	For Excel-based printouts, a paper printout is generated upon discharge when Silent Print on Discharge is configured.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

A.9.4.2. Preop Manager

Issue No.	Description of fixed defect
TO-3131	Users are not logged out of the application when the configured auto-log off time passes.

A.9.4.3. Customize

Issue No.	Description of fixed defect
TO-3241	Users are unable to remove Quality Measures from the menu bar.

Appendix A: Previously Fixed Defects

A.10. Fixed Defects Carried Forward from 8.6 MR1 SP4

A.10.1. Installation

Issue No.	Description of fixed defect
TO-3042	The Extelligence OR databases are not created successfully during an installation.

A.10.2. Various modules

Issue No.	Description of fixed defect
TO-2596 (1-91710771)	A medication description that has been edited in the Allergies dictionary after being added to a case record reverts to its original description after the case record is initialized.
TO-2736 (1-91542221)	The client machine name is not detected when accessing an application using VMware Horizon or View client session.
TO-2756 (1-93394661)	A booking created in a newly added room in OR Manager does not populate in the "clinical modules" database successfully.
TO-2757 (1-93445533)	Precaution data that includes an apostrophe is not sent to OR Manager successfully after being added to a booking in Preop Manager.
TO-3083 (1-93431118)	Patients are not available in the Census List when Anesthesia Manager or Preop Manager are opened via a Quick Link button from OR Manager.
TO-3107 (1-93578163)	A patient context error message appears if users are inactive in OR Manager for more than five minutes when connected via Citrix.
TO-3155 (1-93921421)	Users are unable to login to the "clinical module" applications after changing their password from a temporary one until after they have logged into OR Manager.
TO-3170	A MoveAdmission error appears in Perfect Trace when a pre-admission is sent to the "clinical module" applications from the HIS using an "admin module" interface.

Various Modules

A.10.3. "Administrative modules"

A.10.3.1. OR Manager

Issue No.	Description of fixed defect
TO-2437 (DE67079, 1-74365955)	The application stops responding when attempting to map inventory for a large number of preference cards and preference card stocks when invalid preference cards exist.
TO-2602 (1-93384851)	Values entered in the PAT_Test and PAT_test_duration fields in a booking are not displayed on a PAT Tracking Screen that includes these fields.
TO-2605 (1-93385920)	Users are prompted to search admissions for a patient when initiating a case record that includes a patient that was imported to the HIS from external system.
TO-2811 (DE94122, 1-91136752)	An error message appears when right-clicking an intervention field on a case record.
TO-2819 (1-90064332)	Booking requests are printed automatically via Autoprint even when Autoprint is configured to only print active bookings.
TO-2825 (1-91660797)	The Procedure Description text overlaps the Surgeon text on a case record billing history printout if the Procedure Description is longer than 38 characters and is all uppercase.
TO-3040 (1-93474605)	The field color for mandatory case record fields is not visible after a section is closed.
TO-3090 (1-93586441)	The application performs slower than expected when Request Inbox parameters are configured due to an unnecessary stored procedure call.
TO-3105 (1-82635697)	Users are able to restart the OR Manager without entering their credentials if the application had just closed unexpectedly while another user was logged in.
TO-3141	The application closes unexpectedly when users attempt to edit and then save patient data for a waitlist booking.

OR Manager

Appendix A: Previously Fixed Defects

A.10.3.2. SmarTrack

Issue No.	Description of fixed defect
TO-2584 (1-91863101)	If more than one critical checkpoint exists with the same initial 8 characters, only one of the checkpoints is available to add to a screen because after 8 characters checkpoint names are truncated (Tracking is trying to create more than one checkpoint time data element with the same name).
TO-2827 (1-93384841)	An error message appears when users right-click a PAT booking in the Tracking Screen window and choosing Edit PAT Booking.
TO-3082 (1-93447961)	The Booking window opens to the Status/Location tab instead of the Booking Data tab when users right-click a patient and choose Booking Data in the Tracking Screen window.
TO-3126 (1-93523008)	When the tracking screen remains open overnight, bookings that exist on the tracking screen are not removed at midnight if the application is configured to load the next day's bookings at 00:00 and time zone functionality is disabled.

A.10.3.3. Interfaces

Issue No.	Description of fixed defect
TO-2495 (1-87484721)	Bookings take longer than expected due tables associated with the Pre-Registration Interface (booking_affi_adt_data and booking_affi_adt_data_mult sql) not being purged regularly.

A.10.4. "Clinical modules"

A.10.4.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-2714 (DE90430, 1-81062121)	Quick Links do not successfully launch an application if the quick link path includes an Environment Variable.
TO-2745 (1-90929951)	The Census List tab order appears differently after an upgrade.
TO-2746	For Excel-based printouts, a paper printout is generated upon discharge along with a file printout, when only a file printout should be generated.

Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
TO-2749 (DE99378, 1-93099697)	For Excel-based printouts, a silent printout is not generated after an auto-discharge occurs when the system is configured to do so.
TO-2753	(VA only) The application stops responding if a user locks their session and another user attempts to unlock the session.
TO-2755 (1-93299146)	Fluids data is not successfully sent to an external system after a patient is discharged.
TO-3039	ADT Administrator stops responding when attempting to discharge a patient who has a status of Admitted.
TO-3048	The Select Facility window closes and the Login screen appears if users double-click the Scroll Down button in the Select Facility window.
TO-3049	For Excel-based printouts, two printout.ini files are generated at the CPS server when "Silent Print on Discharge" is configured.
TO-3068	An error is returned when attempting to run a report for Profee Sent and Profee Exception reports.
TO-3070	Users are unable to document required events when accessing the Required Events Form in the Demographics module.
TO-3076	In Printouts Builder printouts, decimal point position for physiological variables, medications, and fluids not consistent with the decimal point position in the application.
TO-3084 (1-93474501)	(VA only) Users are unable to sign into ADT Administrator using access/verify codes.
TO-3089	In Printouts Builder, new query blocks that are added to printouts are not saved successfully.
TO-3093	For Excel-based printouts, an error message appears when a user without rights to save files to the C drive attempts to print to file; the Printout Loader creates the INI file on the C drive.
TO-3096	The application stops responding if users attempt to document orders while lab data is being sent.
TO-3098	The application stops responding when users attempt to save new labs data.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-3099	The application closes unexpectedly when users attempt to edit a QA Indicator for an assessment that was added during an earlier session.
TO-3108 (1-93524469)	(VA only) On a rare occasion, the application closes unexpectedly when attempting to login several minutes after logging out.
TO-3112 (1-93688373)	(VA only) Login takes an unexpectedly long amount of time after unlocking the application when VistA is enabled.
TO-3114	The Picis user is able to login to ADT Administrator at a workstation configured for a VA site.
TO-3119	A printout is not generated as expected after a patient is transferred from a multi-bed workstation to a bedside workstation if Silent Print on Auto Discharge is configured.
TO-3135	For Printouts Builder, PDF printouts are not automatically generated as expected for patients with account numbers that include a forward slash (/).
TO-3142	The applications run on multiple CPU cores instead of an assigned core.
TO-3143	Driver data is not successfully received at a workstation after the regional settings are changed from US English.
TO-3145	If the Orders Service is off when a patient with orders is discharged, orders are not discontinued as expected when the Orders Service is turned on again.
TO-3147	An error message appears when medications are ordered for different patients from multiple workstations at the same time.
TO-3159	An error message appears and a patient record is closed if the patient is opened in Remote View, then opened at the bedside workstation, and then opened in Remote View again.
TO-3164	An error appears in the ADT Service logs when an admission is received from the HIS for a patient that not yet exist in Picis.
TO-3165	The Facility Groups window takes longer than expected to open at a multi-bed workstation for multi-facility sites.
TO-3166	Occasionally, the application closes unexpectedly after clicking File > Exit.
TO-3167	The patient that is currently open in the application is opened by default when accessing Remote View.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Issue No.	Description of fixed defect
TO-3169	When users refresh the Census List window, the first patient in the list becomes selected regardless of which patient was previously selected.
TO-3171	Users are able to document PACU assessments and assessments from the previous template after a patient has been transferred to PACU.
TO-3172 (1-94050041)	The Silent Print on Discharge macro does not execute successfully when the patient name includes an apostrophe.
TO-3173 (1-94050041)	Printouts are not generated as expected when configured to do so upon discharge after PcmEImaging is restarted.
TO-3203	The splash screen takes longer than expected to appear upon initial launch.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

A.10.4.2. Preop Manager

Issue No.	Description of fixed defect
TO-2758 (1-90405211)	Several database exception error messages appear when starting the application if the setting HidePatInfoIfLogOff is set to False in Customize.

A.10.4.3. Interfaces

Issue No.	Description of fixed defect
TO-3094	PCM Import stops responding after the timeout period has passed even if activity has recently occurred.
TO-3202	For Printouts Builder configured for silent print, PCMEImaging interface does not release unused memory as expected after multiple printouts are generated (memory leak).

A.10.4.4. Clinical Services

Issue No.	Description of fixed defect
TO-3120	The Central Print Service does not start successfully on the first attempt.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
TO-3144	(VA only) Perfect Trace does not release unused memory as expected (memory leak).

A.10.5. Extelligence OR

Issue No.	Description of fixed defect
TO-3041	Data added to a case record user-defined group is included in the initial ETL but not subsequent ETLs after the group is edited.
TO-3043	On a rare occasion, the procedure to clear log files from the table t_sp_log does not run successfully if an associated table includes data that is still being retained since it was not beyond the retention value when the procedure to clear originally ran against that table.

A.11. Fixed Defects Carried Forward from 8.6 MR1 SP3

A.11.1. "Administrative modules"

A.11.1.1. OR Manager

OR Manager

Issue No.	Description of fixed defect
DE96764 (1-91643060)	Time stamps are not consistent in the application when workstations exist in a different time zone than the SQL Server machine.
DE97696 (1-91739739)	A billing rule may be erroneously applied to a case if it has at least two conditions, where the first condition is based on a user-defined field and the second condition based on a standard field. *Example:* PROC_NON_PRIM ANY NEX
DE97777 (1-91812213)	A procedure billing rule is not working as expected for Custom Field Select fields that include multiple responses if the billing rule condition includes an ANY value.
DE97863 (1-91812213)	An error message appears when opening the Supplies/BIlling window if the case includes a procedure with a billing rule that includes a SAME condition.

OR Manager (continued)

Issue No.	Description of fixed defect
DE98202 (1-91643078)	An error message appears when attempting to complete a case from the Manage Case Records window.
DE98386	The contents of the Procedure drop-down in the case record header section are not sorted by mnemonic.
DE98390 (1-91439140)	Conflict checking does not identify equipment/TPK conflicts when using the Book to Grid menu option.

A.11.1.2. SmarTrack

Issue No.	Description of fixed defect
DE97876	An error message appears when attempting to search for an add-on patient whose name includes an apostrophe.
DE98506 (1-91643060)	The time that a macro is used to satisfy a checkpoint reflects the server time rather than the workstation time when the server is in a different time zone from the workstation.

A.11.2. "Clinical modules"

A.11.2.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE92765 (1-90967608)	(VA only) Users are unable to start a session for a patient that was returned using a VistA search if the patient exists in the CAR database.
DE95531 (1-91442547)	Device data is not received if any users exist in the STAFF table with a username longer than 24 characters.
DE95584 (1-91465167)	(VA only) The application stops responding if a VistA search is performed for the test patient "ZZTest" using only part of the name ("ZZ", for example).
DE95768 (1-90876271)	The fluid balance displayed on printouts does not include fluids added prior to the last printout and the total infused amounts do not reflect only the time frame that is printed.

Appendix A: Previously Fixed Defects

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Issue No.	Description of fixed defect
DE96191 (1-91611451)	In "clinical module" systems integrated with a third-party ORMS system, a new booking with a surgeon that does not yet exist in the Picis system is not processed successfully.
DE97400	Users are unable to admit a patient using a default template after an upgrade if more than one toolbar icon was deleted from the toolbar in Customize prior to upgrading.

A.11.2.2. Interfaces

Issue No.	Description of fixed defect
DE95357 (1-91423501)	New patients are not created successfully via PMR in a standalone standalone "clinical modules" system.

A.11.3. Extelligence OR

Issue No.	Description of fixed defect
DE98371	A case assigned to a previously booked room causes duplicate keys in the Current Case Delays indicator.
DE98579	The Flattened table procedure, case_record_data_single_simple_001_sp, takes longer than expected to execute.
DE98681	Bookings created and cancelled prior to the booking date cause a duplicate key error in the current case delays table.

A.11.4. Perioperative Dashboard

Issue No.	Description of fixed defect
DE92620 (1-90827607)	Dashboard checks for facility access even for single facility sites.

A.12. Fixed Defects Carried Forward from 8.6 MR1 SP2

A.12.1. "Administrative modules"

A.12.1.1. OR Manager

Issue No.	Description of fixed defect
DE95430 (1-91013942)	A Patient Conflict message appears when maximizing the Booking window that was closed and minimized.

A.12.2. "Clinical modules"

A.12.2.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE84789	In Printouts Builder printouts, Continuous Fluids with Bag Level do not appear correctly after the patient has been discharged (or auto-discharged).
DE84919	In Printouts Builder printouts, the last column of data for Physiological Variables and Printout Name do not appear after the patient has been auto-discharged.
DE96803	Fluid Balance does not show the Bag Level amount for IV Fluid and Bloods in the Session and Encounter views Detail window after the patient has been discharged if the bag level was not documented until discharge.
DE96939	In Printouts Builder printouts, the Total Dose for Drips Administered does not match the amount in the Medication Summary.

A.12.2.2. Customize

Issue No.	Description of fixed defect
DE94430 (1-91030841, 1-91157931)	The toolbar icons are not displayed as expected in Customize under Menus and Toolbars after an upgrade.

Appendix A: Previously Fixed Defects

A.13. Fixed Defects Carried Forward from 8.6 MR1

A.13.1. Installation

Issue No.	Description of fixed defect
DE67157	Surgsync continuously updates the same data if the surgsyncflag.ini file includes the setting min_xodus_range_seconds=90.
DE82606	The post-update script for ORM does not default to "New installation=No" like the other databases.
DE84333	The server installer does not run successfully when installing CPS or PCM.
DE84328	Only one version of DB Editor is available from the Start menu even when both TEST and LIVE are installed on the same machine.
DE84895	Uninstaller is not silent even when the installer is set to silent.
DE91550 (1-90636051 1-90636041)	The PicisSQL users is created without specifying the DEFAULT_LANGUAGE, resulting in database insert errors at sites where the regional settings are not US English.
DE93035	The ICD10 Procedure Codes are not available in the system until the day after they are loaded.
DE93450	Patient data delete scripts run by DB Utility do not remove data from tables: interface..booking_interface interface..booking_interface_surg_proc

Installation

A.13.2. Various modules

Issue No.	Description of fixed defect
DE66998 (1-78567574)	Preop Manager opens but is minimized when access from OR Manager.
DE67004	Non-descriptive text appears in the error message when a duplicate description is used for a new entry in the Diagnosis dictionary in OR Manager.
DE79230	An ADT Service error message appears when starting the PCM service.

Various modules

Issue No.	Description of fixed defect
DE79141	The system closes unexpectedly if the ADT Service and other "clinical modules" interfaces attempt to process more than 100 messages of data per minute. after an upgrade.
DE82601	The Census List in Preop Manager does not return any patients after discharging and closing a patient in Anesthesia Manager.
DE82718 (1-89353253)	Patient unit number merges are updated in the "administrative module" applications but not successfully updated in the "clinical module" applications. when the get_ merges systemflag is enabled.
DE84690	Printouts Builder printouts are not printed silently for patients that were admitted their Preop Record was created when the setting "Edit and then close a PreOp record" is enabled.
DE84824 (1-88155901)	A patient is not available in Anesthesia Manager if in OR Manager the booking is started and closed, and then their case record is initiated.
DE85026	Pre-admitted patients cannot be admitted in Anesthesia Manager if the Preop Manager application is still open.
DE8655 (1-88538501)	The Anesthesia Staff and Clinical Role fields are not populated successfully on a case record form in OR Manager when applicable staff are added to a patient record in Anesthesia Manager.
DE92197 (1-90863873)	A change patient performed in OR Manager for a patient whose booking was created in an earlier Picis version is not updated to the new patient in Anesthesia Manager.
DE93695 (1-91014063)	Data entered in an integrated field in Anesthesia Manager may be erroneously deleted from OR Manager when using OR Manager's Milestone window.
DE93709 (1-90602481)	A booked patient that is open in Anesthesia Manager does not open successfully in OR Manager when opening via Anesthesia Manager.
DE93712 (1-90872791)	Users are unable to click the Select Patient button in Anesthesia Manager after toggling from the case record in OR Manager to the Anesthesia Manager census.
DE93805 (1-87909539)	An error message appears when attempting access the Patient Summary tab for a case record in OR Manager if the case is open in Anesthesia Manager on the same workstation.

Various modules (continued)

Appendix A: Previously Fixed Defects

A.13.3. "Administrative modules"

A.13.3.1. OR Manager

Issue No.	Description of fixed defect
DE63868	An extra blank page is displayed at the end of each printed page when the report for user-defined INV table entries is printed.
DE67000	A database update error occurs if a procedure dictionary description is added that is a duplicate of an existing description.
DE67003	Button overlap on the Find dialog box in the Room dictionary.
DE67008	The Select All and Clear All buttons are not available on facility-specific and surgeon-specific Authorization tabs in the Procedure dictionary window.
DE67029 (1-79620371)	Users are prompted twice to select preference cards for supplies and billing when completing a case record for a surgeon and procedure without a preference card.
DE67050 (1-80307951)	The application closes unexpectedly when attempting to save a case record default.
DE67069 (1-76726581)	Cases are completed but supplies are not filed when an error occurs while supplies are being processed.
DE67074 (1-81187311)	An error occurs when attempting to initiate a case from Manage Bookings when the case record already exists for a case record patient who exists multiple times due to manual entry in Enter/Edit Case Records.
DE67083	An unclear message appears in the Case Records Sections message box when a second user opens a case record section that includes a user-defined field that is already open by another user on another section.
DE67090 (1-77819902)	Users are not prompted to fill in a tissue-related field that has been configured as required in Exception Noting Required Fields.
DE67191	Inactive Case Record user-defined fields can be populated when a case is initiated and the user-defined field is active on a Booking Data form with the same name, response type, and multi-line setting.
DE67198 (1-84525721)	An erroneous Bed Type Limit conflict message appears when attempting to move a booking between two beds that are configured for Standard Facility with Limits and the initial bookings required a bed type limit conflict override.

OR Manager

Issue No.	Description of fixed defect
DE75581	The audit trail for a PAT booking does not show the previous room and new room after a PAT for a waitlist booking is moved to a different room.
DE79160 (1-88555752)	The Freeze Non-Supplies button does not appear differently after it is clicked.
DE81443 (1-89038189, 1-88911201)	Searching for a particular surgeon and stock in Manage Preference Cards returns results for the specific surgeon but not just the particular stock; other stocks are returned.
DE81527	The Standard worksheet for add-on case printout does not include patient information in the header.
DE82630 (1-39960341)	Account numbers that exceed 15 characters appear truncated in the List Signed/Pending printout.
DE83097 (1-89446431)	Facility selections are not consistent when equipment is retrieved if two consecutive pieces of equipment were added using the Plus button (+).
DE83220	Users are unable to close a case record section due to a mandatory field message that appears for a conditional field even though the condition for the field has not been met.
DE84116 (1-89573671)	The page numbers are not incremented correctly when printing a case from Manage Case Records using a custom case record print format.
DE84833 (1-89215381)	An error message appears when attempting to save a case record that is not closed or completed when no changes have been made after clicking the Process Header button.
DE84952 (1-84950651)	Supply Cabinet interface messages are processed before picklists are fully frozen for bookings that include a preference card with a supply cabinet section (because of the order in which freeze_picklist data is written to the database).
DE85129	User-defined sections overlap supplies on a custom case record printout if the list of supplies exceeds one page.
DE85829 (1-89885831)	Conditional booking fields act as mandatory fields even when the condition is not met when changing a request to active, if a previous booking includes the same conditional fields where the condition is met.
DE86200 (1-90141581)	The Field Level Audit Trail printout displays the procedure description in the Patient Name field and does not include a Procedure entry.

OR Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE89010 (1-90293481)	Searches using the field OPGROUP produce inaccurate results.
DE89116 (1-63933851 1-90190801)	The Block Time Utilization Report does not show block time correctly if case record is moved to a room where freeze exists for a block.
DE89735 (1-90269251)	The Clear Conditionally Editable Fields window appears and cannot be closed if a user-defined case record field exists that was created using only spaces in the message text.
DE89959 (1-89761311)	Users are prompted to select a patient bed type immediately after selecting a patient when creating a new booking
DE89978	Case record fields on a form that is in use and locked by a user can still be edited by another user.
DE90457 (1-90269131)	Custom colors for user-defined fields are not displayed correctly.
DE91066	The Edit/Retrieve button is in the wrong location in the Surgeon dictionary for single facility sites.
DE91467 (1-78573091)	On the Case Record Defaults window, the Surgeon and Procedure fields appear as if they are editable, even though they have not yet been retrieved.
DE91468	The sequence of billing rule conditions is incorrect if a condition other than the last one is deleted for a billing rule that has more than three conditions.
DE91584 (1-69191621)	Users are unable to sort based on Stock Description after performing a star search (*) for a new item in Edit Frozen Picklists.
DE91667 (1-90293481)	Searches using the field PROC_GRPS produce inaccurate results.
DE91793 (1-90463341)	The Clear Conditionally Editable Fields window appears when opening a case record form rather than after editing data on the form, and users must click OK several times to close the window.
DE91918 (1-89912269)	On a rare occasion the test duration for a PAT booking is changed to 0 and an error appears, after editing the duration time and making other edits to the PAT booking.

OR Manager (continued)

Issue No.	Description of fixed defect
DE92069 DE93703 (1-90800511)	The Clear Conditionally Editable Fields window may not appear as expected after saving changes in a case section, and conditional fields may not be evaluated correctly if case record fields with conditions exist.
DE92081 (1-87833561)	Users may receive an error message and are unable to login after a new install.
DE93708 (1-89335031)	Allergies overlap in the Custom Picklist or Worksheet header when printing picklists for multiple bookings that include allergies.
DE93723 (1-90882571)	Charge editable stocks that are added to a case record appear with a price of $0.00 in Exception Noting.

OR Manager (continued)

A.13.3.2. Security Manager

Issue No.	Description of fixed defect
DE82557 (1-89016823)	Menu Item entries on the OR Manager Menu Items tab appear out of order
DE86560 (1-90161001)	Attending Types listed in the Clinical Role dictionary are not in alphabetical order.

A.13.3.3. SmarTrack

Issue No.	Description of fixed defect
DE67067 (1-80944531)	The Workstation Location feature does not affect the number of locations if computer name is more than 10 characters.
DE80446 (1-88579573)	At multi-facility sites, the facility value in the trk_booking field is not updated if the room is changed for a booking using SmarTrack.
DE85712	The original patient's middle name is removed from the Tracking Screen after performing a change patient to a different patient and then deleting that patient's case record.
DE93701 (1-90934321)	Users are unable to select an account number for a patient if the patient name includes an apostrophe.

Appendix A: Previously Fixed Defects

A.13.3.4. Surgsync

Issue No.	Description of fixed defect
DE70054 (1-80839952)	Data that exists in booking or case record linked fields may be removed and then repopulated unexpectedly. On a rare occasion, data must be repopulated manually.
DE90848 (1-90328766)	SurgSync is unable to stay up-to-date with patient information updates at large sites (over 1,000 patient updates over multiple facilities).

A.13.4. "Clinical modules"

A.13.4.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE66870 (1-81378031)	(VA only) The application closes unexpectedly if the PATIENTPROBLEMS table is updated with a TREATEMENT that contains a percent symbol (%) in the string that is returned by CPRS_GetPatientProblemList or CPRS_GetProblemDetails API from DSS.
DE70981	Discharging can take more than 60 seconds when print on discharge is enabled and the protocol contains a large number of orders.
DE80562	Printouts Builder printouts are not generated if the template includes Fluids blocks and if the From/To dates time range values are the same.
DE83507	(VA Only) The Printout Viewer Configuration window does not closed after users click the Apply and Exit button.
DE83822	Printouts Builder printouts are not printed silently when the "Print on edit and close a discharged patient" setting is enabled.
DE84241	In Printouts Builder printouts, variables in the Trends block with the scatter style and a color other than black applied are not displayed correctly.
DE84283	In Printouts Builder printouts, the medications administered Total value that is displayed does not equal the sum of the doses if a periodic medication has the admission time as the starting time but the first dose was given before the admission and within time interval.
DE84492	Printouts Builder printouts takes longer than expected to generate an initial printout for a patient.

Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE84500	In Printouts Builder printouts, text does not appear correctly in columns when it overflows onto the next page.
DE84503	Printouts Builder printouts cannot be generated if they contain calculated scores and IIS has not been reset after the score treatment was created.
DE84772	In Printouts Builder printouts, the From and To date and time is since Admission Date/Time for all available viewing periods when printing discharged patients.
DE84785	A Printouts Builder printout is erroneously generated by a Silent Print on AutoDischarge event when an order is cancelled through the Cancel Protocols window.
DE84821	In Printouts Builder printouts, an error message displayed sending printout to file using DOB PDF tag.
DE84862	Printouts Builder printouts are not created successfully if the patient chart includes combined medications that are discontinued.
DE91233	(VA only) Allergies are not updated correctly from CPRS.
DE91238 (1-90555941)	Occasionally, Room data is not imported correctly when a session is started for a patient coming for the HIS.
DE91244 (1-90206006)	Occasionally, Surgeon data is not imported correctly when a session is started for a patient coming for the HIS.
DE91246	(VA only) An unnecessary entry is added to a TUI Note when creating a patient summary note.
DE91474 (1-90465441)	Memos that include parenthesis are not successfully added to orders if the memo is applied to an order as part of a protocol.
DE91772 (1-90564080)	(VA only) Users are unable to access the application after VistA is disconnected and then re-connected.
DE91774 (1-90611821)	(VA only) Lab results are not returned successfully for an admission that has lab results in VistA.
DE91916 (1-90664251)	The Printout Viewer menu option appears on the File-ADT menu even when it is disabled in Customize.
DE91978 (1-88940197)	An error message appears when closing the Printouts Builder Printout Loader window after discharging a patient when Printout Viewer on Discharge is enabled.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE92146 (1-90632121)	The Starting and Ending times displayed in the Printout Loaded window when choosing times for a printout do no match the actual times when multiple sessions and templates were used for the patient.
DE93711	A Census List query takes longer than expected to return results for multi-facility sites.
DE93718 (1-91024163)	Medications appear unsorted when using a template where some of the flowsheets include Medications and Assessments.
DE93720 (1-90967608)	(VA Only) Users are unable to admit a patient returned from using "Search VistA" if the patient already exists in the CAR database.
DE93818 (1-90606991)	Users receive an error message saying that another user has altered the order when attempting to validate an acknowledged periodic order task before refresh occurs or attempting to validate an order task that has been extended after the original order length has passed.
DE93837 (1-90715367)	At "clinical modules" sites integrated with a third-party ORMS, the height and weight added to a booking creating in the HIS are not displayed when the session is started.
DE93719 (1-90914701)	A VIP patient is admitted even when users click Cancel on the window that appears to confirm they want to admit a VIP patient.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

A.13.4.2. Preop Manager

Issue No.	Description of fixed defect
DE84307	In Printouts Builder printouts, Preop components do not overflow onto to next page correctly and data that exists in the application is missing.
DE84526	In Printouts Builder printouts, the Anesthesia Plan group is not printed as expected even though comments exist.
DE84574	In Printouts Builder printouts, the Printout Viewer closes unexpectedly when selecting a patient from a Preop Census List.
DE84577	In Printouts Builder printouts, refresh does not work for Preop Components.
DE93710 (1-90872781)	The button to create Printouts Builder printouts cannot be removed without also removing the button to create Excel-based printouts.

A.13.4.3. Customize

Issue No.	Description of fixed defect
DE82476 (1-89241361)	Lab component can only be displayed for a single panel on a flowsheets section.
DE84266 (1-88539041)	Toolbar icons that are removed from a template in Customize are not successfully removed from the Demographics Summary.
DE84268 (1-89241311)	Key Events added to the Demographic Summary are not saved when added in Customize.
DE86932 (1-90221561)	After configurations are uploaded to the database from a previous version, the Advanced Configuration Editor option for PrintoutViewerOnDischarge is not available until changes are made and saved to the Display Printout Viewer setting.

A.13.4.4. Interfaces

Issue No.	Description of fixed defect
DE66757 (1-77927091)	Pcm Import Orders does not process HL7 escape sequences correctly.
DE66781	Scores orders are not successfully imported and validated via the Orders Inbound interface.

A.13.4.5. Diagnostics Tools

Issue No.	Description of fixed defect
DE66744 (1-73288731)	ADT Administrator Test does not functional successfully; a different census list appears from what was tested.
DE85727 (1-88764491)	An error message appears when attempting to run NKTSpy.
DE85432	A .NET Framework error appears when running PCMConsole.exe at the PCM server.

A.13.5. Localization

Issue No.	Description of fixed defect
DE74137	In DB Editor, the Sort button is not localized in the Auxiliary tables.

Appendix A: Previously Fixed Defects

A.13.6. Extelligence OR

Issue No.	Description of fixed defect
DE84559 (1-71414631)	The string definition for PAT Status is incorrect.
DE84655	Case minutes for an overlapped case in a block are assigned as out of block instead of as 100% overlapped when a room freeze is applied to another room at the same time on the same day in a different block.

A.13.7. Perioperative Dashboard

Issue No.	Description of fixed defect
DE85542	A Surgeon Service with a mnemonic longer than 50 characters is not displayed horizontally below Caseload indicator.
DE85614	ETL errors are recorded in log files and the Event Viewer, and not all facilities are available in the Facility drop-down menu on the Block Utilization page

A.14. Fixed Defects Carried Forward from 8.6 SP1

A.14.1. Installation

Issue No.	Description of fixed defect
DE80140 (1-86700911)	The Resources folder, Reports sub-folders, and Driver contents are removed when upgrading.
DE80146 (1-87392381)	After an upgrade, Preop Manager closes unexpectedly when accessing Interface Notes.

A.14.2. Various modules

Issue No.	Description of fixed defect
DE74473 (1-85012768)	The medsecurity_Transaction Monitor stops active SPIDs that remain open for more than two hours. This stops Autoprint unexpectedly.
DE74474 (1-86003741)	Users are able to delete stocks from a Preference Card via the Add/Delete Supplies window even if the stock section is sorted on a column other than the row number.

Various modules

Issue No.	Description of fixed defect
DE74476 (1-86425437)	Text entered into a free text field on a booking form is deleted if a user is typing in the field in OR Manager when a refresh occurs and there is an update to process from Anesthesia Manager.
DE74481 (1-78779181)	Users are unable to transfer or discharge a patient session from Anesthesia Manager if the case record was deleted in OR Manager.
DE74495 (1-86623076)	A patient remains on the Census List in PACU Manager even after their status has been changed from Active to Waitlist in OR Manager.
DE76635	Changes to data in shared fields are not saved when the change is made in OR Manager, but they are saved when the change is made in Anesthesia Manager, if the changes occur before the configured refresh time.
DE76640	A conditional field remains active in OR Manager even after the field has been edited in Anesthesia Manager so that the condition is not met.
DE76642 (1-83809321)	Occasionally, changes to an add-on case's room in OR Manager are not reflected in SmarTrack.
DE76644 (1-86129121)	When the get_merges systemflag is set to Y, account numbers are merged in the ORM database but not merged in the CAR database when a merge message is sent via HL7 or extracts.
DE76659	Occasionally, an error message appears when attempting to delete a newly created room in OR Manager for "TPA" systems.
DE76662 (1-87563590)	The PICIS_MEDICATION_TYPES_MAP does not process medication allergy types when Meditech Extracts are used.
DE78738 (1-88469723)	The PCM configuration entries are missing that limit the number of retries ORMC attempts when a message is not sent to PCM Import successfully.
DE79303	A booked patient with a case record in OR Manager does not appear in Anesthesia Manager due to an erroneous booking number listed in the Search window.
DE80119	In Anesthesia Manager and Preop Manager, Demographics fields that have been configured as Read Only are not visible in the application.
DE80152	Users are able to use previous versions of Anesthesia Manager and Preop Manager with an updated database.
DE80153 (1-87772271)	Newly installed ICD9 Codes are not sent to the "clinical modules" application from OR Manager on the day that the previous version of that ICD9 Code is expiring.

Various modules (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE80162	When an allergy field that is shared between OR Manager and Anesthesia Manager is updated in Anesthesia Manager, the text in OR Manager is highlighted rather than the cursor moving to the end of the field after the data is refreshed.
DE80163	The status of conditional fields on an OR Manager patient booking form is not updated as the condition is met or not met through updates in Anesthesia Manager.
DE80649	The Withdrawn Consent message and VIP patient message appear when starting a patient session and again when admitting a patient rather than appearing once.
DE82895	The client machine name is not detected when accessing an application using VMware Horizon or View client session.

Various modules (continued)

A.14.3. "Administrative modules"

A.14.3.1. OR Manager

Issue No.	Description of fixed defect
DE67194 (1-83499671)	Preference Card formatting is not retained when printing a worksheet after the case notes have been edited.
DE71036 (1-52862731)	A global preference card update for more than 18,400 records does not complete successfully.
DE71169 (1-82870621)	Users are unable to print an external report, or view a print preview, from the Manage Case Record window.
DE71170	Message text that exists in fields on case record forms is limited to 50 characters; messages from versions earlier than 8.4 are truncated to 50 characters.
DE71172	The case record audit trail and emr_main table indicate that a successful PDF upload has been completed even if a Crystal Runtime error occurs and the PDF upload is not completed successfully. **Note:** This occurs when case record upload is configured to transmit upon closing a section.
DE74468	Room data takes longer than expected to load in the Room Dictionary when a large amount of schedule data exists.

OR Manager

Issue No.	Description of fixed defect
DE74471 (1-82400001)	The Procedure window does not display correctly if a second surgeon is added to a booking after the window has been minimized and then maximized.
DE74472 (1-83510846)	An error message appears when attempting to preview an Anesthesia Manager transmit batch.
DE74479 (1-77008941)	Preference Cards that have all case notes data deleted from them are returned when searching in Manage Preference Cards.
DE74480 (1-83247681)	Edits to procedure times within a booking are not saved; edits are overwritten by the original default values when you change the booking date before filing the booking.
DE76633	Two room fields appear on the Booking tab if the booking options are changed.
DE76636 (1-80914319)	The patient age appears as a negative number in header of the booking audit trail for waitlist bookings.
DE76637 (1-69636497)	The CPT Codes ellipses in the Case Record forms are not displayed correctly.
DE76638 (1-81572521)	Changes to the font color for text in mandatory Case Record Patient fields are not displayed; text remains black.
DE76639	Users are not made aware of a required field that is empty if that field is a user-defined numeric field that has a format specified (utilizes # format).
DE76643 (1-85114921)	Inventory Filters applied to the Cost Analysis Report are ignored.
DE76645 (1-86430461)	Users are unable to create an add-on case that uses the same procedure twice but with different laterality/site.
DE76647 (1-86844221)	A PDF is not created as expected after completing a case record from the Manage Case Records window when Case Record Upload is configured.
DE76649 (1-86896521)	Conditional, mandatory fields do not behave as required when using Physician Office Link (POL) Security. **Note:** Only occurs if a condition is based on a surgeon in which a user has POL set.
DE76650 (1-86996041)	Data that is entered in a field and saved before the form has loaded completely is not saved properly.

OR Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE76651 (1-87104861)	Edits to the cost of a stock on a case record are not saved after the case is completed; the cost reverts to the original stock cost.
DE76656	The Request Inbox menu icon flickers on the screen.
DE76657	Text in a user-defined booking form is not selected when using the TAB key to move through the fields.
DE80120 (1-69491771)	An error message appears when clicking the Patient tab after specifying a Laterality value rather than pressing the TAB key, if the setting bk_siteposition_required=Y.
DE80121	Standard user-defined fields for procedure description and long procedure description that pull into new case records may not be included in the field-level audit trail.
DE80122 (1-63466494)	The .txt file OR Manager creates for upload by the Case Record Upload Interface wraps description text to a new line after 25 characters, appearing as if there is more than one description.
DE80123 (1-80540401)	Case notes are not displayed on a printed pick list if text in the first line is indented 30 spaces or more.
DE80124	An error message is returned when using a Custom Field Select expression that includes three or more conditions and uses both operators AND and OR.
DE80125 (1-45913901)	Comments added to a preference card's stock section (displayed with an "S") do not appear in the worksheet print preview. **Note:** This does apply to add-on cases; comments may still be unavailable for add-on cases.
DE80126 (1-74886011)	An error message appears when users attempt to cancel a waitlisted booking that has a PAT.
DE80127 (1-81413411)	Error codes are not captured when there is a problem saving in the Rearrange a Day window.
DE80129	If a patient conflict is detected in the current booking, but the booking is minimized, closing the booking from the minimized state does not open the correct booking in context.
DE80130 (1-77867116)	User-defined fields that are added to case record printouts via Custom Case Print, may appear truncated at the bottom of the printout.

OR Manager (continued)

Issue No.	Description of fixed defect
DE80133	The Start Time and Setup Start time fields display a date if they are added to a user-defined picklist or worksheet header and a time format is not specified.
DE80134	The Custom Case Print page format is not as expected; additional blank pages are printed and page numbers are not consistent.
DE80135	Fields that have been added to a form and configured as conditionally mandatory are incorrectly displayed as mandatory fields when switching from a closed section where the form exists, to a different, open section, and then back to the closed section.
DE80137 (1-82426081)	An error message appears when attempting to save changes to a booking form and then perform a change patient, specifying that the patients are the same.
DE80138	For bookings with two procedures, both using same preference card with at least two collapsible stocks, one of the collapsible stocks erroneously prints under the second procedure in the Pick List.
DE80147 (1-74844705)	User defined, multi-line fields do not display the configured default value when value is a mnemonic from the staff_clinicalrole dictionary.
DE80155	The Case Record Info section is blank in the Cost Analysis window.
DE80166	The Total Cost value appears as if it can be edited in the case record's Cost Analysis window.
DE80167 (1-88262731)	Edits to a non-supply bill rule price may revert to the default price when completing case record.
DE80414	An inaccurate message appears when attempting to view the Patient Summary for a patient that has not yet been admitted in Anesthesia Manager.
DE80663	Users are able to create two PAT bookings for the same room, date, and time.
DE81446	An error message appears when attempting to document a medication on a case record where the Date Last Taken is a previous day and the Time Last Taken is a time that is later than the time the documentation is occurring.
DE82110	If a table field and a text field exist in a user-defined group with the same name, but the text field is suffixed with "_descr" then the description for a mnemonic entered in the table field erroneously populates the text field.
DE82017 (1-88603177)	The application closes unexpectedly if a new booking is initiated while existing bookings are minimized and have edits that are not yet saved.

OR Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE82439	Physician Office Link users are limited to choosing only surgeons in case records that are configured in the POL settings.
DE82534 (1-89214721)	Users are prompted to enter data in a mandatory field on a booking form after the field has already been filled and the form has been saved.
DE82731	The bk_name dataelement appears null on the Tracking Screen for patients without a middle name.
DE82977 (1-84251731, 1-87168261, 1-89241751, 1-89277231)	The application closes unexpectedly when attempting to copying a room schedule that includes more than 500 schedule detail entries.

OR Manager (continued)

A.14.3.2. OR Manager Web Access

Issue No.	Description of fixed defect
DE71167 (1-75728671)	When the systemflag UseMeditechPW=Y in Security Manager, users are able to login to OR Manager using either their initials and password or their user ID and password, but can only access OR Manager Web Access using their initials and password; user name and password results in an error message.
DE71168 (1-85389921)	The application closes unexpectedly when attempting to reserve a room.
DE79907	The DOB values returned with the results of an MRI patient search are displayed in European format instead of US English format.
DE79913	Users do not receive an error message when they attempt to book a surgeon during a time that is outside their block time.

A.14.3.3. Security Manager

Issue No.	Description of fixed defect
DE80128	Users have unexpected permissions on the File menu when a dictionary window or the Free Application Locks window is open.

A.14.3.4. SmarTrack

SmarTrack

Issue No.	Description of fixed defect
DE57004	Cancelled Pre-Admit bookings remain on the Tracking Screen after executing a macro to cancel the PAT.
DE57005	A macro created to update Pre-Admit bookings when a specific status changes does not run successfully.
DE76634 (1-53563361)	Checkpoint data columns (Satisfied Time and Minutes Since) that exist on a tracking screen cannot be manually resized using the mouse or using the arrow keys.
DE76641 (1-83021691 1-84322671)	Users at single facility sites are unable to access the next day's bookings in SmarTrack after upgrading from 8.1.
DE80131 (1-87956141)	Macros may take longer than expected to process and CPU utilization may be higher than expected due to table scans and the number of rows in the ADM_PAT_PT_OTHER_workq table.
DE80142 (1-86818941)	Patient middle names are not displayed on the Tracking Screen after upgrading to 8.5.
DE82013	Users are able to move bookings on a Tracking Screen when they do not have rights assigned in Security Manager move bookings.

A.14.3.5. Autoprint

Issue No.	Description of fixed defect
DE71166	An error message appears that must be manually closed if Autoprint is unable to capture the current date and time from the database server.
DE76648 (1-86765681, 1-87008781)	Autoprint prints a booking after it is created and then every time there is an edit, even if the edit occurs in a user-defined field that is not specified to trigger printing. **Note:** This applies only to Autoprint rules that check for changes in Facility.

A.14.3.6. Database

Issue No.	Description of fixed defect
DE80156	The ORM database documentation for the cost_type column in the table case_record_cost is incorrect.

Appendix A: Previously Fixed Defects

A.14.3.7. Localization

Issue No.	Description of fixed defect
DE80579	Localization is not applied correctly after choosing a non-US English language while creating the desktop installers.
DE78531 DE78656	When regional settings are configured for UK English, localization string IDs are missing for elements on the following windows: View Original Booking, Page Staff, Page Booking Staff, Add-On Cases, Booking Outlook Email Settings, and Case Record Default windows.

A.14.4. "Clinical modules"

A.14.4.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE66865 (1-81513681)	PARTCOMPONENT entries that have been set at inactive in the database are available in the Laboratory Summary window.
DE73279 (1-87256125)	Users are unable to login to the application in a standalone "clinical module" system after the Update Password tool runs to update a VIP staff.
DE74151 (1-86565070)	ADT messages that contain nine or more pipe delimiters (e.g. ||||||||||) are not processed successfully by PCM.
DE76620	Users are unable to document what would have been the last task for a Scores order if the order has been extended and the task is rescheduled from the original time.
DE76624 (1-75888781)	An error message appears when attempting to open the Orders Audit Trail if the order has been modified more than 21 times.
DE76627 (1-81938528)	The Loading Protocols status bar remains on the screen when transferring a patient to another template after orders are prescribed on first template.
DE76631	(VA Only) Medication orders that have been created using units of MG or GM are not available when documenting a medication order in the application.
DE74489	Users are unable to open the application in Remove View when using Command Line if the encrypted password includes the characters "/A=".

Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE76653 (1-87183231)	When selecting a template that is not found for the configuration set and then opening a patient in remote view, an error message appears related to the template, but it is positioned behind the progress bar that is displayed while setting up patient chart.
DE76654 (1-87186651)	A patient's first name displays incorrectly as the first and middle name if their name includes a space (for example, Mary Anne).
DE76655 (1-87237771)	Preop Manager opens in background when launching the application from the Quick Link toolbar in Anesthesia Manager.
DE78840	The Transfer/Discharge Patient window appears before the Printout Loader when attempting to print using excel-based printouts.
DE79798 (1-88670737)	An error message appears when attempting to view a patient in remote view who does not have a record started.
DE80017	In Printouts Builder, changes to the font type and size in a component does not affect all components within the model.
DE80117 (1-39303851)	Users are unable to open a discharged patient remotely on their first attempt after they have been assigned a temporary password.
DE80118	When running Citrix, PIMS starts with the first user who logs in to the application, and that user is unable to log in to the application again after they log out.
DE80149 (1-87439991)	Event Sets that use mixed case (Uppercase and lowercase letters) are converted to all uppercase letters after a template is imported using the Configuration Uploader.
DE80151 (1-87579091)	Viewing the audit trail for the Advanced Directive field can take more than 20 seconds and may time-out before opening.
DE80157 (1-85643301)	The application may close unexpectedly when timeouts or increased activity occurs at the database server.
DE80158 (1-87932391)	The discharge confirmation message does not appear as expected when discharging a patient.
DE80251	In Printouts Builder, variable values in the Trends block are not printed successfully when the template is printed.
DE80914	Errors are generated in Perfect Trace and a PDF is generated twice when printing a patient record using Excel-based printouts, even when MaxRetries is set to 1.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE81989 (1-89141821)	Account numbers are not updated in the Census List after they are associated with a booking if a case record does not yet exist.
DE81999	Order filters are not successfully applied to hide cancelled and discontinued orders in the application.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

A.14.4.2. Preop Manager

Issue No.	Description of fixed defect
DE66834	A silent printout is generated when the Test and Results form is edited and the changes are undone before closing the form; printouts should only be generated when changes are saved.
DE74488 (1-85767010)	The Past Medical History section includes unnecessary extra spaces between body systems.
DE74492 (1-86368071)	Tobacco Use is visible after copying forward past medical history even when Body System Exam has been disabled in the database.
DE76661 (1-64755641)	Text that is pasted into the Comments field in Past Medical History window is not saved successfully.
DE80160 (1-88009301)	Record Status is not visible in the header after closing and reopening a patient.record.

A.14.4.3. Customize

Issue No.	Description of fixed defect
DE74491 (1-86170941)	The Procedure, Modified Procedure, Site, and Laterality fields can be edited in the application even when the fields have been configured as read-only.
DE74493 (1-86530281)	The columns "Last Taken Date" and "Last Taken Time" cannot be removed from the Home Medications window in Preop Manager remove.
DE74494 (1-86596780)	Users are unable to deselect all of the Required Subsection checkboxes; one subsection remains required.
DE80144 (1-79441951)	Edits to a workgroup name are not saved.
DE80161	Users are unable to select the Read Only checkbox for Allergies.

Issue No.	Description of fixed defect
DE81148	Perfect Trace files are not automatically removed after a certain number of days based on the settings configured in Customize.

A.14.4.4. DB Editor

Issue No.	Description of fixed defect
DE66947	The Logon Report window is not available when VistA integration is enabled.

A.14.4.5. Database

Issue No.	Description of fixed defect
DE71165	Merge information from a patient merge in Meditech version 6.07 are not successfully filed into the IDB database if the patient URN value is greater than 20 characters.

A.14.4.6. eView

Issue No.	Description of fixed defect
DE80410	An O2 mode value that entered in Anesthesia Manager is visible eView's Linear View.
DE82453	The PcmExport does not started successfully.

A.14.4.7. Interfaces

Issue No.	Description of fixed defect
DE80999	Additive description, additive dose amount, and additive dose unit are not visible in RXC 2.1, 3, nor 4 segments.

A.14.5. OR Extelligence

Issue No.	Description of fixed defect
DE81581	A truncation error message appears when attempting to assign surgeon service to pdm_block_owner.

Appendix A: Previously Fixed Defects

A.14.6. Perioperative Dashboard

Issue No.	Description of fixed defect
DE81591	The Operating Room Utilization data does not include all scheduled open time.

A.15. Fixed Defects Carried Forward from 8.6.0

A.15.1. Various modules

Issue No.	Description of fixed defect
DE63867	In "TPA" and "Clinical module" systems integrated with a third-party ORMS system, unnecessary text appears on the right side of the Star Search window in the Allergies dictionary.
DE64559 (1-81765851)	Allergies added to a newly created and initiated case record do not synchronize successfully between "administrative" and "clinical" modules applications for patients with existing allergies from a previously discharged admission.
DE65618 (1-83173451)	The recovery file that is created when a database disconnection occurs is stored in the "C:\Windows\system32" folder instead of "C:\Picis."
DE65927	The Admit Type and Country Description DBOIDs are updated unexpectedly in the CAR database when edits are made to the data on the case record in OR Manager.

A.15.2. "Administrative modules"

A.15.2.1. OR Manager

Issue No.	Description of fixed defect
DE57100 (1-70998391)	Text overlaps on the standard OR Schedule Report.
DE57101 (1-70100481)	Case material management requisition does not use the booking transmit at time of pick quantities.
DE57102 (1-76693431)	Cases are not returned as expected using Custom Field Select when a workstation uses Canadian regional settings.
DE57103 (1-36439081)	An incorrect booking is opened when accessed through right-clicking directly on a grid line in the Schedule Viewer.

OR Manager

Issue No.	Description of fixed defect
DE57104	The age displayed for bookings on a waitlist is incorrect in the Booking audit trail.
DE57107	User-defined fields that are added to case record printouts via Custom Case Print, may appear truncated at the bottom of the printout.
DE57127 (1-74699581)	Users are able to save a booking without entering data in mandatory fields that exist.
DE57157	A booking that is moved from the current book date to one or more days away does not drop from the Tracking screen when the Tracking screen is configured to only show the current day's booking and hide cancelled cases.
DE57175	The application closes unexpectedly when searching for a preference card by procedure/surgeon in the Preference Card dictionary.
DE57201	When deleting a room from the Room dictionary, the room listed below the selection is also removed from the list.
DE57207	The application closes unexpectedly when attempting to re-book a cancelled booking from the Manage Bookings window.
DE59811	Occasionally, the Procedure/Site/Laterality text overlaps on the OR Schedule Report.
DE62931 (1-82417851)	Items that have conditional stock rules applied are not printed on worksheets when printed via from Manage Bookings.
DE62935 (1-81751156)	Occasionally, data in user-defined booking fields is not saved to the database when using Physician Office Link and Citrix.
DE62936 (1-81366328)	An error message appears when changing the patient bed type for a booking from one with no limits to one with limits.
DE63404	Default procedure setup and teardown times that are edited by users when creating a booking revert to the original, default times.
DE63860	Cosmetic issues exist in the Utilization Reports print preview, including irrelevant options in the context menu (right-click menu) and extra spaces between some words.
DE63861	Cosmetic issues exist in the Billing Case Type print preview, including unaligned text and text without headers.

OR Manager (continued)

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE63863	An inaccurate error message appears if the Date field is null for Tray/Pack/Kit Cost when adding a stock.
DE63864	Text is not aligned properly in the error message that appears when adding a second procedure and surgeon to a preference card that is the same as the first.
DE63865	Text appears truncated in the Booking/PAT Booking Audit Trail report.
DE63866	Unnecessary options exist on the context menu (right-click menu) in the Manage Case Record window.
DE64391	Users receive an error message and are unable to login after a new install.
DE70898	A PAT out-of-date message does not appear when selecting a date that is out-of-range if users type in the PAT field rather than choose from the drop-down menu and then choose a date without clicking out of the PAT field first.
DE73853 (1-80872921)	A value of "100" appears in the Facility column instead of "All" in the Macro Event Mapping dictionary window.
DE74404 (1-69916401)	Case Record Stats Conversion utility does not retain selected conversion method.
DE79794 (1-87089641)	An error message appears when attempting to create a booking using a new MRI patient.

OR Manager (continued)

A.15.2.2. Security Manager

Issue No.	Description of fixed defect
DE63862	The Application Parameters window includes outdated applications.
DE57093	The Customize application is not available after installing a new "TPA" database set.
DE67461	A surgeon that is created as an inactive user is active the OR Manager Surgeon/Anesthesiologist dictionary.

A.15.2.3. OR Manager Web Access

Issue No.	Description of fixed defect
DE65280	Users are able to continue passed the Withdrawn Consent window without entering valid values in all of the fields.
DE65287	The Name of Source value for a previous patient is visible in the Withdrawn Consent window when subsequent patients are selected.
DE68980	The content in the Reservation Summary table is deleted when adding new patient.

A.15.2.4. SmarTrack

Issue No.	Description of fixed defect
DE57191	When creating a SmarTrack macro for Update Patients Location using the Choose from List option, the list of locations is not immediately available in the Macro dictionary.
DE57192	When creating a SmarTrack macro, a warning message appears about selecting a facility even if the All Facilities checkbox has been selected.
DE57279	Updates made in OR Manager to a booking that is scheduled for a future day are interpreted as cancelled and are removed from the Tracking screen, if the Tracking screen is configured to show future/tomorrow bookings and to hide cancelled bookings.
DE59586	The Internal Access #/Email Domain field in the Beeper Profile dictionary appears with a white background instead of blue like other editable fields.

A.15.3. "Clinical modules"

A.15.3.1. Anesthesia Manager, PACU Manager, Critical Care Manager

Issue No.	Description of fixed defect
DE57133 (1-79425621)	Excel-based printouts: A print job is initiated after opening the Demographics window for a record and then closing the record without making any changes if printouts are enabled for silent print when a record is edited.
DE57161	Excel-based printouts: Two printouts are created when manually printing a record in remote view if printouts are enabled for silent print when a record is edited.
DE58868	An ADT error message appears when attempting to start the application due to an incorrect Casecheck Census List that is delivered with the default configuration.

Appendix A: Previously Fixed Defects

Issue No.	Description of fixed defect
DE65605 (1-77025861)	A runtime error message may appear when attempting to transfer or discharge a patient.
DE66743 (1-32370064)	Users receive an error message the first time they attempt to access patients remotely after changing their password. **Note:** This only occurs with the first attempt to access patients remotely.
DE70437 (1-83337791, 1-82932949)	Macro events do not appear in the Event windows as expected.
DE74712 (1-87388779)	An error message appears when attempting to auto-discharge if a template is missing in Customize.

A.15.3.2. Customize

Issue No.	Description of fixed defect
DE57138	Computer names for machines in the Not Assigned workgroup that use a different case sensitivity than those that exist in the LOCATIONS table are not available in the Customize configuration setup.
DE65923	The application help does not open when clicking the Help button in a window.
DE65924	The checkbox "User can delete events entered by others" remains selected even after the "Users can delete own events" checkbox has been deselected in the Event window.
DE66816	A vague warning message appears when selecting the Silent Print on editing and closing a preop record checkbox in Silent Print Tab > Preop Configuration > Customize.

A.15.3.3. DB Editor

Issue No.	Description of fixed defect
DE57168	Security configuration parameters can be deleted from the Auxiliary Tables > Configuration Parameters section.
DE57190	Users are not required to change a temporary password they've been assigned in a "Clinical module" systems integrated with a third-party ORMS system.

Issue No.	Description of fixed defect
DE75956 (1-84826261)	An error message appears when users attempt to add new assessment items.

A.15.3.4. Localization

Issue No.	Description of fixed defect
DE65925 (1-75720731)	Text in the top section of the Protocols window is not localized (text appears in US English).

A.15.3.5. Clinical Modules Services

Issue No.	Description of fixed defect
DE65608 (1-81112994)	PIMS errors from PcmImport may delay data refresh.
DE68510	The HL7 Outbound Messaging Log tool does not retrieve any results.

A.15.4. OR Extelligence

Issue No.	Description of fixed defect
DE57092	Room utilization for rooms without cases is not calculated correctly.
DE60216	ETL1 does not complete successfully when extracting SmarTrack data as part of a daily or re-extraction.
DE63482	Room utilization is not correctly calculated for cases ending around midnight.
DE70837	Times stored in the block start time and block end time fields in the Block Revision report are converted from hours to minutes when they are saved in the database.

A.15.5. Anesthesia Extelligence

Issue No.	Description of fixed defect
DE66667	Occasionally, the ETL does not complete successfully if ISDELETED=TRUE for patient in the CAR database PATIENTS table.

Appendix A: Previously Fixed Defects

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

This section shows defects that were documented as notable defects in the Release Notes of a previous release and which remain unfixed.

These notable defects have undergone internal clinical review and pose no risk to the patient or do not impact patient safety at the point of care delivery.

Note: Notable defects documented in this release are listed in *Notable Defects* on page 29.

B.1. Installation

ID	Description	Workaround
TO-2530 DE83650	When attempting to upgrade from 8.3.1, reaction data for HIVES is added to the CAR database along with duplicate descriptions when running DB Utility and the upgrade is not completed successfully.	Manually modify the reaction description.
TO-2644 DE66867 (1-79193419, 1-80467661)	Previous configurations are not successfully imported if the previous PCS file includes the following character: ^.	Remove all instances of the character "^" before importing the previous configurations.
TO-2669 DE67828	The UseHostMachineName setting in the regsettings.config file on each workstation is reset to the default value after an upgrade, removing configuration settings that had been changed to support RDP/VDI device integration.	Manually update each file after the upgrade.
TO-2751 (1-93100851)	Database mirroring functionality is not available for version 8.6.x.	NA
TO-2824	After upgrading, the field anes_type becomes a standard field if the field was in a multi-line format prior to upgrading; the previous field should be renamed and a new, standard field should be created.	NA

Installation

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-2903 DE83190	The upgrade script CAR_00076.sql does not run successfully if the description "unknown" already exists in the table H_DIAGNOSISTYPES.	Rename the description and rerun the script.
TO-2904 DE83192	The script PSM_00192.sql does not run successfully during an upgrade due to incorrect syntax. This only affects sites upgrading from a version prior to 8.2.	Change the syntax and re-run the script.
TO-2905 DE84477	The TPA Services installer does not initially install pre-requisite software successfully.	Re-run the installer.
TO-2915 (1-92016427) (DE98582)	In some situations, when first attempting to start OR Manager after upgrading a workstation the login window is not shown.	Delete the *usersettings.config* file in the following folder after the upgrade and before end users access the software: "...\AppData\Roaming\PICIS\Live"
TO-2918 (1-82045155)	Surgsync and Autoprint do not start successfully when installed with Caretaker but without Datasync using the Custom option.	Install Datasync as well.
TO-2919	Users are unable to login to Anesthesia Manager or Preop Manager after upgrading if LDAP authentication is enabled because LDAP is not successfully registered with the Security Service	Register LDAP dll with the Security Service.
TO-3044 (1-93448309)	Macro buttons do not execute successfully after upgrading.	In Advanced Configuration Editor, edit the setting for CFSConfiguration to the name of the flowsheet that should be default for the home screen.
TO-3331	Files remain on a machine after Picis Services are uninstalled.	Manually delete files from the "bin" folders for each of the Picis Services.
TO-4035 TO-2916 (DE100119)	After copying a database to a new SQL server, DB Utility may fail to run against the PSM database due to a missing SQL Server user - PicisSQL.	Create a "PicisSQL" user for the SQL Server and then retry.
TO-4142	Patient de-identification scripts do not remove PHI from database tables that a site has created itself (usually for backups), only standard Picis tables.	NA

Installation (continued)

ID	Description	Workaround
TO-4407	For sites with a large number of Patient Summary notes, DB Utility may hang or take a long time (hours) when running the Text2RTF script. This issue affects upgrades to 8.6 MR3 from versions prior to 8.6 MR2.	Prior to running DB Utility, copy the script and delete the contents of the original script. Then use SQL Server Management Studio to run the copied script against the database at a convenient time after the upgrade.
TO-5304	PCM cleaner does not clean up messages related to devices.	Manually clear the messages.
TO-5309 CAS-227164-L1J5H9	When attempting to install patches for LIVE and TEST environments on the same machine you are shown a window related to the wrong environment. This prevents installation of one of the patches.	NA

Installation (continued)

B.2. Hub

Issue No.	Description	Workaround
TO-6883	It is not possible to log into the Picis Hub with a user that has the surgeon type *anesthesiologist*.	NA

B.3. Various modules

ID	Description	Workaround
TO-2643 DE66849 (1-67134974)	A newly entered Surgeon/Anesthesiologist does not successfully populate on a case record when sent to Anesthesia Manager if their surgeon mnemonic does not match their user ID in Security Manager.	Search and reselect the anesthesiologist in the drop-down in ORM.
TD-1628 DE85706	A medication that is created in OR Manager without a route is deleted in OR Manager when PCM attempts to add it to the "clinical modules."	Run Datasync.

Various modules

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-4846 CAS-222170-S8D9G5	1) OR Manager only allows one anes_ type whereas Anesthesia Manager allows for more than one. 2) If there are multiple anes_types for a patient in Anesthesia Manager, and the anesthesiologists deletes one of those type, all references to anes_type are deleted within the case record for that patient.	NA
TO-5313 CAS-227164-D2S4P4	When opening Anesthesia Manager from within OR Manager the user must enter credentials again.	NA
TO-2652 DE66904	After adding and then deleting a Next of Kin name and phone number in Anesthesia Manager, the data is still displayed in the OR Manager case record.	NA
TO-2653 DE66905	After deleting a Next of Kin name and phone number in OR Manager that was added in Anesthesia Manager, the Relationship column remains in the PIF Emergency Contact section in Anesthesia Manager.	NA
TO-2645 DE66873	When using LDAP, Active Directory, and multiple domains, OR Manager, Preop Manager, and Anesthesia Manager do not share the Domain used to login so Anesthesia Manager does not login automatically.	Manually re-enter the username and password.
TO-2638 DE66828 (1-27301071)	ADT data that has been deleted is removed from the IDB but remains in the CAR database.	Manually delete the data from the CAR database.
TO-3080 (1-91710771)	The incorrect facility may be associated with a case record if a patient has more than one case record in more than one facility (multi-facility).	Create a job to populate the CAR database with the correct admitarea and Preadmit Location from the OR Manager case record facility.
TO-2872	Patient kin details in open OR Manager records do not refresh correctly if the details are deleted in Anesthesia Manager. (The details are only updated if the record is reopened.)	Close and then re-open the case record.

Various modules (continued)

ID	Description	Workaround
TO-2913 DE97313 (1-91814361)	The PCM.NET and CPS services do not start automatically after a server reboot even when the Startup type is set to Automatic.	Change Startup type to Delayed Start Automatic.

Various modules (continued)

B.4. "Administrative modules"

B.4.1. OR Manager

ID	Description	Workaround
TO-2548 (1-89972061)	The number at the end of a stock is not printed when using the standard worksheet.	Use the custom dictionary worksheet.
TO-2576 DE95755	An error message appears when changing facilities in the Manage Case Record Defaults window.	Use the Case Record Default dictionary.
TO-2483 DE79718	The wrong schedule appears in Schedule Viewer when using the Calendar Monthly Schedule for months where the last week of the previous month appears in the same row on the calendar as the first week of the current month.	Use a different calendar type other than monthly.
TO-3103 (1-93635831)	In the Preference Cards dictionary, when using the up/down arrows to scroll through the cards list the procedure and surgeon information in the right pane may be displayed incorrectly.	To show the correct procedure and surgeon information for the highlighted card, just click it using the mouse.
TO-5238 CAS-226556-G0J4B7	In the Case Record Default window when changing the facility for a case record default, a "Dynamic function not found" error is displayed.	To avoid the error enter/edit the default value from Case Record maintenance.
TO-2585 DE97797	Users are unable to add height or weight to the ht_wt_bmi_imp group in a booking.	Remove the decimals from the format of the "ht_ft" and "wt_lb" fields in the Patient Data and Case Record Patient Data" categories.
TO-2594 (1-91273621)	Header text on custom picklists overlaps if picklists for multiple bookings are printed at one time.	Print one picklist at a time.

OR Manager

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-4824 CAS-223854-M5M5Z1	When editing a booking via the **Edit Patient Data** button the system may indicate that a conditional field is mandatory when it should not be (as the conditions are not met).	Open the form by clicking **Move/Edit Booking** instead.
TO-4741	When booking auto email templates contain a combination of text and user-defined fields for the email subject and body in some cases no automatic email is generated and in other situations an incorrect email body is created.	NA
TO-3087	Text in the interface appears in UK English when the language is set to Spanish.	NA
TO-2593 DE99138 (1-92088519)	An error message appears when attempting to delete a word processing field from a form; the application closes unexpectedly if users click No to ignore the error.	NA
TO-2822 DE98435	The time stamp for the VIP Patient Access Audit Trail printout is based on the server time rather than the workstation time when the two machines exist in different timezones and the timezone flag is configured to use the workstation time.	NA
TO-2577 DE96274 (1-87550643)	Users are able to save a booking with an incorrect prefixed unit number for a facility if the patient does not have a unit number for a facility within a multi-facility site.	NA
TO-2578 DE96287 (1-91622178)	Fields that are conditioned as mandatory based on a specific CPT Code being selected in another field are not made mandatory immediately when the condition is met.	NA
TO-2483 DE67200 (1-84872901)	Users who are restricted from viewing patients on the Schedule Viewer are able to view patients on the PAT Schedule Viewer.	NA

OR Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-2470 DE67169 (1-78757241)	An additional 24 hours is added to case milestone times when the Procedure End Date is set to T+1 for an operation spanning past midnight	NA
TO-3349	Users are able to create more than one case record for a booking doing a name search the second time a user initiates a case.	NA
TO-2436 DE67075 (1-55759581)	Billing rules may not be followed correctly and inaccurate billing may occur when the flag use_proc_acuity = Evanston.	NA
TO-2665 DE67031	The application closes unexpectedly when clicking the Search OR Manager button or Search OR Admissions button and then selecting an EMPI patient in the Enter/Edit Case Record window if the setting enterprise_patient_identifier=Y.	NA
TO-2604 (DE100974)	In certain situations, the OR Schedule Report may show an incorrect patient account number.	NA
TO-4869	(This issue is specific to 8.6 MR2 Patch 2.) In Manage Case Records when the surgeon and procedure is configured without a preference card, after completing the case and responding to preference card selection prompt the application stops responding.	NA
TO-2592 (1-93195261) (DE99127)	In case records, the Vital Signs button is enabled for users who do not have rights to this functionality.	NA
TO-3100 (1-93618561)	If two procedures have different default quantities for an item, then the largest quantity should always be used when both procedures are in one booking, but this does not happen.	NA

OR Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-5045 CAS-225682-V9Z6P3	Updating Precaution descriptions in the Precautions Dictionary will in certain situations create a second row in the Precautions dictionary and set the precautions description to the original value on a booking.	NA
TO-5348	When booking auto email is enabled and a complex booking is created with multiple surgeons and multiple procedures, in certain situations rearranging the procedures and surgeons may result in no booking auto email being sent.	NA
TO-2794 (DE81322)	Rearranging a booking to a different facility via the queue will not delete existing picklist or transmit-at-pick records	Instead of using the queue, use Pickup and Drop.
TO-1618 DE67120 (1-63161431)	Users with view-only access to case record sections are able to initiate case records when their case record access has been granted via OR Manager > Case Records > Manage Case Records. **Note:** Users cannot edit case records, only initiate them.	Grant the user/group rights to Manage Bookings, what you want in Manage Case Records, but NOT edit case and view-only access to the appropriate case record sections. Also, grant them access to the File > Enter Case Record menu option.
TO-2540 DE85016 (1-89283791)	The field-level default values do not populate into the case record's fields if an update occurs to a linked user-defined free text field on the case record form before a section in the form is opened. **Note:** This only affects fields that receive Surgsync updates that exist on the case record but do not exist on the booking form.	Ensure that the linked fields that exist on the case record also exist on the booking.
TO-3658 (208714-D5Z2Y4)	If Autoprint is configured to print when the facility is changed it does not do so if the facility change is made when "rearranging a day".	Edit each booking individually to change the facility.
TO-2580 DE96299	Single-line and multi-line fields can be added to the same group on a form.	Contact Picis support for a script that identifies these types of groups that exist.

OR Manager (continued)

ID	Description	Workaround
TO-2467 DE67165 (1-82901341)	The previous booking's surgeon/consultant appear in a new booking by default after the previous day's session has been released. **Note:** This only affects clients in the UK.	Change surgeon/consultant in the booking form.
TO-4865 CAS-168423-R4Z2D9	In certain situations a "Cannot find selected Case" error is displayed when a booking is initiated to a case and linked to the wrong account. When the user attempts correct this and initiate the same booking to the correct account a "Case Record Already Exists" window displays. Answering "OK" to this question will cause an error.	By selecting the correct account to initiate the case the error can be avoided.
TO-2554 DE89891 (1-90303531)	Billing supplies are not sorted by worksheet in Exception Noting if the case record is started in SmarTrack after the picklist has been frozen.	After starting the case record in SmarTrack, go to Billing/Supplies in Exception Noting, then click the Preference Card button, and then select the OverWrite option.
TO-3123 (1-93628023)	An error message appears and the application closes unexpectedly if users access the Manage Case Record Defaults window from the Tools menu, and then select a facility from the search results list that is not the first facility.	Access the Case Record Defaults window via Maintenance > Case Records.
TO-3501	An issuemay occur if you run the Change Patient routine for a case record, delete that case record and then attempt to initiate a new case record for the original patient from a tracking screen. In such situations, the "Search String" field of the Enter/Edit Case Record window (Patient tab) may become pre-populated with the name of the substitute patient from the Change Patient routine.	Avoid the issues by initiating case records for such patients from the Manage Bookings window or train users to check the name in the Search String field before proceeding to create the case record.
TO-6337	(VA only) The Field Level Audit Trail in OR Manager does not track changes made to user-defined fields or VistA fields.	Use the general audit trail to view the high level changes.

OR Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

B.4.2. SmarTrack

ID	Description	Workaround
TO-2447 DE67103 (1-33530961)	Bookings that are moved to a new date and have their status changed to "Reservation" are not successfully updated in SmarTrack.	Change the status to Reservation after the booking has been moved to the new date.
TO-2463 DE67150 (1-83001261)	A Time field that has been added to the Tracking screen is not updated when auto-save occurs, if the case record was not manually saved after the time was entered and the field triggers a macro to satisfy a checkpoint.	Manually save the case record after entering the time.
TO-2478 DE67186 (1-79834011)	The data element checkpoint Minutes Since grows at an unexpected rate overnight.	NA
TO-2535 DE84456 (1-89714801)	Prefix mappings do not function as expected; ADM prefixes that are not included in the prefix mapping table are erroneously linked when a booking is created.	NA
TO-2568 DE94670 (1-90594411)	Some screens may take an unexpectedly long amount of time to open upon initial load.	NA

SmarTrack

B.4.3. OR Manager Web Access

ID	Description	Workaround
TO-2459 DE67139 (1-39588841)	Multiple groups placed on a patient data form results in all of the groups on a patient form to be combined into one large group.	Ensure each patient data form only has one group on it.
TO-2460 DE67140 (1-30940871)	The Booking Details window displays forms not related to the specified facility.	NA

OR Manager Web Access

B.4.4. Surgsync

ID	Description	Workaround
TO-3496	Surgsync installed on a server in one time zone incorrectly timestamps audit on bookings, case records, and the FLAT that exist on machines in other time zones.	Install Surgsync in each time zone and configure each surgsyncflag.ini file for the corresponding facilities in that time zone.

Surgsync

B.5. "Clinical modules"

B.5.1. Anesthesia Manager, PACU Manager, Critical Care Manager

ID	Description	Workaround
TO-6811	It is not possible to open the Quality Measures window or transfer the patient if the template has required/recommended order families or treatments.	NA
TO-7056	A query error is shown when trying to add a second memo to the cell in which a combined medication was discontinued.	NA
TO-1752 DE66836	A manual order is incorrectly extended for a longer period than specified by the Hours Extended parameter if the order has task duration.	NA
TO-2613 DE66772	Moving the start time of a periodic manual order that has tasks spanning more than one day moves the later tasks back as well rather than retaining their original time.	NA
TO-2630 DE66798	The patient Name and Last Name do not refresh automatically in the Unit Census window at other workstation in the same Department when those values are updated.	Press the F5 key to manually refresh data.
TO-2634 DE66818	The application closes unexpectedly if the Patient Summary is open for a patient and a new note type that has been added to the database is used remotely for the same patient.	NA
TO-2705 DE86220 (1-89868954, 1-90140361)	Updates to the HIS may take longer than expected when a large number of entries are added to the PCM_UNLINKEDRECENTCHANGES table from updates to patients that are not yet admitted.	Turn off ADMISSION updates from the HIS and then restart pcmORMClient. Contact Picis support for more information.

Anesthesia Manager, PACU Manager, Critical Care Manager

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-2708 DE89225 (1-90283115)	(VA only) Admitting a patient can take more than a minute when a large number of orders exist in the default protocol.	NA
TO-2720 DE91923 (1-89713751)	The pump rate unit type for Fluids In appears incorrectly in the Preview or Edit Documentation window after it has been changed. Fluid values appear correctly on the flowsheet.	NA
TO-2731	Census List queries may take longer than expected to return results for multi-facility sites.	NA
TO-2740 DE97801	The application closes unexpectedly when users click the Interactions button.	NA
TO-2752	An Update Kernel error message appears when attempting to discharge a patient shortly after starting the session.	Wait a few seconds and then attempt to discharge again.
TO-2865 DE82639 (1-88491747)	(VA only) PCMEImaging.exe supplies an incorrect date for Parameter 3 of the VI_SendImageToVistaImaging API.	NA
TO-3111	Moving a periodic manual order that covers two days (for example, 23h today and 5h tomorrow) can result in unexpected task times. (The user is shown a calendar of the new task times and can cancel the procedure.)	NA
TO-3149	In certain situations, after upgrading an 8.3.1 system and attempting to configure a census window in ADT Administrator an error message appears.	NA
TO-3156	When attempting to access the audit trail after moving a protocol, the audit trail appears empty and the application closes unexpectedly.	NA
TO-3162	If the record of a discharged patient is open at workstation A while the patient is readmitted to the system at workstation B, a warning message should be shown at workstation A, but is not.	NA
TO-3193 (1-94112423)	In certain situations, closing the Printout Viewer while a printout is being printed can stop the printout half way through.	Keep the window open until the printout is completed.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

ID	Description	Workaround
TO-3226	For templates configured to show a prompt to discontinue orders when transferring a patient, automatic printing occurs before the user has selected to continue or discontinue orders. This can result in printouts showing orders as active when they have actually been discontinued.	NA
TO-3229	The Home Medications form does not appear in the Demographics Summary if it has no data (or only has audit trail data). The form can still be accessed to add data.	NA
TO-3231	In ADT Administrator, changing the code associated with a census window REFRESH button does not remove the button from the window as expected.	NA
TO-3232	If a patient is admitted to a workstation after the first scheduled automatic printout of the day, automatic printouts do not start until the following day. Example: Printouts are scheduled to occur at 06:00 and 14:00. A patient is admitted on Tuesday at 07:00. The first automatic printout for that patient occurs on Wednesday at 06:00.	On the first day of a patient's admission, create printouts manually as needed.
TO-3242	In certain situations, an error message appears when opening the Quality Measures window. This only affects sites that have upgraded.	NA
TO-3291 (1-91685112, 1-93493461, 1-93640831)	In certain situations, it is not possible to manually document physiologic variable data. This issue only affects sites using a software language other than English.	NA
TO-3295 (CAS-197091-P1P8F4)	If the Auto-bolus system event is inactivated in the EVENTS table and an event macro is run in the application, the events from that macro are sometimes not added to the Events Log.	NA
TO-3305	When accessing a patient chart remotely and opening the Concurrency window, patients are only shown if the remote workstation is in the same department as the workstation that is being accessed.	NA

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-3306 (CAS-195639-S1V9K3)	In Printouts Builder, trends in printouts appear correctly the first time a printout is created, but if the printout is generated a second or subsequent time the trends are not shown.	Restart the application.
TO-3327 (CAS-199525-H6R6G4)	Flowsheets show the name "All Medications" instead of the configured name if non-English characters (such as those with accents) are used in the name.	NA
TO-3392 (CAS-203625-C3K2M4)	The freseius Vial INT driver can cause the application to close unexpectedly on closing (manually or following a discharge/transfer from a suitably configured template). The closure causes an error message and prevents any automatic printouts that would ordinarily be generated on closing.	NA
TO-3593 (CAS-204936-Z1L3J6)	In certain situations, the program may close unexpectedly when attempting to add scores.	NA
TO-3624 (CAS-206799-Z4G5Q5)	Where dates are shown in printout blocks, they always use the US format (MM-DD-YYYY) regardless of the regional settings.	Use custom SQL printout blocks.
TO-3698 (192900-H0C3J1)	Incorrect behavior is observed when copying-forward data for the patient weight physiologic variable from an earlier time column at multibed workstation. Data is copied forward correctly to the current time but then reverts to the initial value for future time columns.	Perform such copy-forward actions from a bedside workstation.
TO-3710 (193791-P9Z5R2)	The Microbiology interface discards messages that contain hexadecimal escape sequences (intended for non-printable characters like carriage returns).	NA
TO-3712 (208043-V8N2Q4)	Clicking in the program window while the Remote View census list window is loading (just after clicking 'View Remote Patient') can cause the census window to move to the background (making the program unusable).	To avoid the issue, train users not to click while the Census Window is loading. To overcome the issue after it has occurred, open Task Manager, right-click the 'Census List' application and select "Bring to Front".

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-3963 (212535-L4W9J0)	Comments (NTE segments) associated with microbiology Microorganism or Antibiogram data are saved to the database but are not visible in the Microbiology window. (In contrast, comments associated with a microbiology Method are visible.)	NA
TO-3987	After an order has been documented, its full details cannot be seen in the Acknowledgements window -- there will be a line for "New Order" with just the date/time details visible. Closing the window will acknowledge the order and cause the New Orders icon to change color accordingly. (In such situations, users are able to identify the order concerned by examining the audit trail for each of the possible orders on the patient chart.) Note that this defect is not new in 8.6 MR2 but exists in earlier releases.	NA
TO-4130 CAS-212535-L4W9J0	For microbiology messages that contains comments (NTE segments) associated to the Method, Microorganism and the Antibiogram, only comments for the Method are displayed in the Microbiology window.	NA
TO-4650	The program crashes when discharging a patient that has multiple preadmissions.	Discharge one of the pre-admissions manually before trying to admit a new one (not from the dialog that asks to Discharge or merge the records). or In the template uncheck 'Prompt to discontinue orders when transferring patient IN'
TO-4791 CAS-223497-Z0G9N6	In certain situations (when fluids are documented) a printout cannot be created.	NA
TO-5078 CAS-225300-L9M0P5	Performance issues can occur if a workstation does not have any attached devices at a COM port when the configuration set has devices mapped to that port.	NA

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-5289 CAS-220463-W6Z0W2	In certain situations it is not possible to add physiologic variables to trends as they do not appear listed.	In Customize, for each affected variable, open the properties, change the Format field then change it back to what it was and save the configuration.

Anesthesia Manager, PACU Manager, Critical Care Manager (continued)

B.5.2. Preop Manager

ID	Description	Workaround
TO-2606 DE66739 (1-44595671)	The Preop Manager audit trail includes the action "modified," with the time at which the entry was created, after a Surgical History entry has been added and then subsequently deleted by a different user at a later time; no modifications were made, only creation and deletion.	Print the Preop audit trail from Anesthesia Manager. **Note:** The audit trail will still display the erroneous action (modified), however the time associated with the action will reflect the time at which the entry was deleted and not the time at which the entry was created.
TO-2635 DE66822 (1-69040721)	The Long Procedure Name may appear truncated in the Surgical History section of the PREOP.Manager.picis template printout.	NA
TO-2687 DE77489 (1-86004891)	Print Evaluation excel-based printout does not print procedures that exist after the Surgical History procedures if the Surgical History header or procedure is the last it printed on page one of the printout; procedures positioned after the page break are not printed.	NA
TO-3354 (CAS-201043-F6Q7Q1)	When printouts are generated automatically, any custom blocks based on SQL queries are empty.	Generate the printout manually.
TO-5332 CAS-227473-K2N9H8	If you attempt to open a patient in Preop Manager after editing the name of the "Preadmission" template (for example, to localize it) an error occurs and you cannot proceed.	NA

Preop Manager

B.6. Interfaces

ID	Description	Workaround
TO-2603 (DE100856)	PMR-MM Outbound interface: When the interface is configured as "file-output" XSLT delimiters are not written into the result file as configured and so all records string together.	NA
TO-2698 DE82018 (1-89208291)	Data entered in Preop Manager is not successfully transferred to the HIS while the PCMECDI Interface is running.	Contact Picis support.
TO-2748 DE99096 (1-90075860)	The PCMECDI interface does not export data as expected due to the default CDIExportFilter.psf configuration.	Contact Picis support to edit the configuration.
TO-3017 (DE75251)	PMR SCH HL7 Inbound interface: This interface does not work correctly at single facility sites.	The interface works correctly after suitable edits are made to a stored procedure at the database server. (This is performed by Picis personnel.)
TO-3021 (1-90903481) (DE93704)	Materials Management Inbound interface: When the acceptedfilename setting is changed from the default "*.*" to another mask that matches the site's filename, the interface will only process a file when stopped and restarted. Example: The source files are named IC527PICIS without an extension and the interface is configured with: <!ENTITY acceptedfilename "*PICIS.*">.Workaround: If a site sends source files that don't have an extension, the "acceptedfilename" setting cannot include the file extension.	NA
TO-3022 (1-93236231) (DE99675)	Materials Management Inbound interface: Sending opening and closing quotes ("") for an item should result in a blank value but the construction is instead being interpreted literally, as if the item name is "".	NA
TO-3074	Profee Billing only sends one report per admission.	NA

Appendix B: Notable (Unfixed) Defects Documented in Previous Releases

ID	Description	Workaround
TO-4115 CAS-217121-L9X5M7	In certain situations, the MedSurg_purge ORM pre-reg tables job will purge active bookings due to predefined purge criteria.If a move of the active booking occurs after the purge occurs another interface message is created resulting in a duplicate account.This is specific to the PreReg Interface.	NA
TO-6439	This defect has two aspects: • Despite the Supply_cabinet_interface flag being disabled and the tissue_ interface flag being enabled, the Tools menu includes a "Process Supply Cabinet Data" command rather than a "Process Tissue Interface" command. • Despite the Supply_cabinet_interface flag being enabled and supply cabinet stock being used for a case, the Exception Noting screen does not indicate that there is supply cabinet data that needs processing and this data is not saved to the case record when clicking "Save".	NA

*Interfaces*

Appendix C: Package Validation

A Message Digest 5 checksum (MD5) should be used to validate the integrity of the release package after it has been downloaded at the client site. Two MD5 validation methods are available. Sites should preferably choose the fully automatic method if version 3 or later of Windows PowerShell is installed at the machine used for the check (please see the following table). Otherwise, sites should follow the alternative method.

| Operating System	PowerShell availability
Windows 8, Windows Server 2012 and later Windows operating systems	PowerShell 3.0 or a later version is included by default
Windows 7SP1, Windows Server 2008 SP2, Windows Server 2008 R2 SP1	PowerShell 3.0 not included by default, but available via Windows updates or download from the Microsoft website.
Earlier operating systems	PowerShell 3.0 not available.

Fully Automatic Method

(Machines with V3 or later of Powershell)

1. Double-click the *Internal.exe* self-extractor to run it and extract the contents to a suitable folder.

2. In Explorer, navigate to the extracted "Internal\Checksums" folder, right-click the *Verify-Hashes.ps1* file and select **Run with PowerShell**.
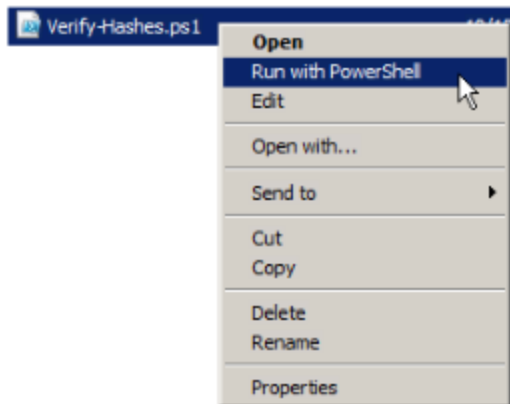
If an "Execution Policy Change" window appears, click **Y**.

Appendix C: Package Validation
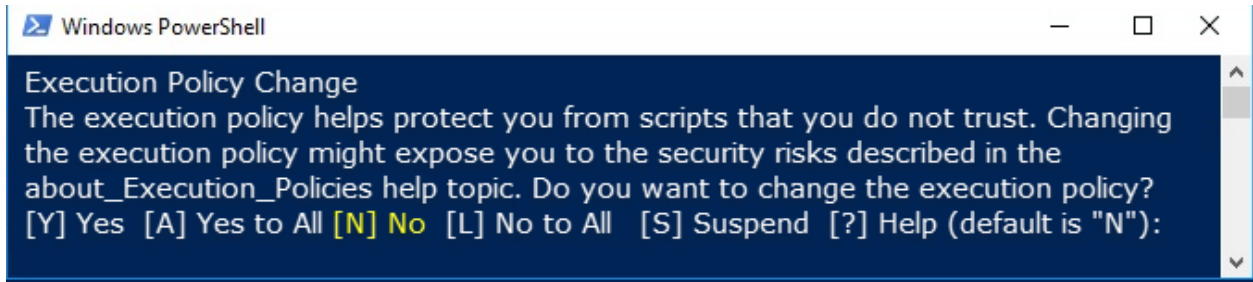
An "Open" window appears.

3. Navigate to the *Checksums.xml* file in the root of the package and click **Open**.

    A window appears displaying the results of the check. Rows in red indicate validation failures.

4. Press any key to exit

Note: If you do not have Powershell V3 on your machine, an error message will be shown in step 2. If this happens, follow the alternative validation method.

Note: In step 3, if the "Open" window quickly appears and then disappears before you can select a file, you must first enable 3rd party PowerShell commands. (In Explorer, navigate to the extracted "Internal\Checksums" folder, and double-click the *Enable-Powershell.cmd* file.)

Alternative Method

1. Double-click the *Internal.exe* self-extractor to run it and extract the contents to a suitable folder.

2. In Explorer, navigate to the extracted "Internal\Checksums\md5sums" folder and copy the *md5sums.exe* file from this folder to the root folder of the downloaded package.

3. In Explorer, select all the downloaded package files except for *Checksums.xml* and drag/drop them onto the *md5sums.exe* file.

    A window appears showing the MD5 sum values.

4. Double-click the Checksums.xml file to open it in the default XML viewer at the computer.

5. Manually compare the MD5 sum values with the "Hash" values from the *Checksums.xml* file.

Appendix D: Database Versions from Previous Releases

Below are the database versions associated with each release in this product line. Compare the version numbers for the release from which you are upgrading to the version numbers form this release to see if a database upgrade is required.

Version	Database				
	PSM	IDB	ORM	TRK	CAR
8.6 MR7 **(this release)**	772 sp78	217 sp15	2692 sp111	1088 sp27	516 sp54
8.6 MR6 (originally released as 8.6 MR5 SP8.1)	772 sp75	217 sp15	2692 sp95	1088 sp21	516 sp53
8.6 MR5 SP8	772 sp75	217 sp15	2692 sp95	1088 sp21	516 sp52
8.6 MR5	772 sp75	217 sp15	2692 sp94	1088 sp21	516 sp51
8.6 SP7	772 sp69	217 sp14	2692 sp64	1088 sp20	516 sp43
8.6 MR4	772 sp58	217 sp13	2692 sp58	1088 sp16	516 sp36
8.6 SP6	772 sp53	217 sp12	2692 sp54	1088 sp14	516 sp20
8.6 MR3	772 sp49	217 sp10	2692 sp43	1088 sp8	516 sp20
8.6 MR2	772 sp4	217 sp5	2692 sp7	1088 sp1	516 sp3
8.6 SP5	772 sp1	217 sp4	2692 sp4	1088 sp1	516 sp3
8.6 SP4	772	217 sp4	2692	1088	516
8.6 SP3	771	217	2684	1084	514
8.6 SP2	771	217	2684	1083	514
8.6 MR1	771	217	2684	1083	514
8.6 SP1	750	212	2675	1036	470
8.6.0	750	212	2675	1035	469

For information on applying the latest scripts, see *Database Scripts* on page 33.

Appendix D: Database Versions from Previous Releases

Appendix E: Anti-Virus Exclusions

Below is a list of folders and files that should be excluded from anti-virus scanning.

- C:\Picis\
- \\sharefolder\picis_temp_print\
- C:\IDBEXTRACT
- C:\WINDOWS\assembly\
- C:\WINDOWS\Prefetch\
- C:\Program Files\MEDITECH\
- C:\program files\Picis
- C:\Program Files(x86)\Picis\
- C:\inetpub\wwwroot\%service%
- C:\programdata\picis\
- C:\Documents and Settings\All Users\Application Data\Picis, Inc\
- The Excel.exe file in the Microsoft Office program directory.
- Any file with one of the following extensions: .ldf, .mdf, .ndf, .bak, .ppi, .pcs, .pdf, .pdp, .ini, .txt, .xls, .xla
- (At the PCM server): PCM interface working folders. These are usually under C:\Picis, but the path is customer-defined, so they might be elsewhere at your site.

Appendix E: Anti-Virus Exclusions

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Appendix F: Port Information

The following network ports are actively used by Picis software.

Source Device Alias	Protocol	Port	Destination Device Alias
Securelink	tcp	22, 80	SSH & Internet. Port 80 is failover.
Application Server(s) (Production/Test)	tcp/udp	SQL Server ports*	DB Server Cluster
Workstations	tcp/udp	SQL Server ports*, 139, 445	DB Server Cluster
Workstations	tcp	80, 808, 139, 445	Application Server(s) (Production/Test)
Remote Desktop	tcp	3389	Remote Desktop Protocol
Picis Interfaces	tcp	4401-4408, 4413, **	Interface communication
Picis Communication Ports	tcp	5000, 5050	Picis communication ports

* Refer to http://support.microsoft.com/kb/287932 regarding TCP/IP port numbers required to communicate with SQL over a firewall.

** Ports for interfaces are configurable and should be verified with Picis during installation/configuration/testing. They can differ from site to site and from one environment to another.

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Appendix F: Port Information

> **Note:** Due to their volume and dynamic nature, Picis is unable to provide details of all Microsoft Windows ports and other 3rd party application ports, e.g. Microsoft SQL Server.