

Xerox Device Compliance with MEDITECH[®] Solutions Customer Tip



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This document applies to the Xerox products listed on Page 7.

Background

MEDITECH is a major software and service provider for the medical community. MEDITECH provides many applications to meet the needs of the health care industry including patient identification and scheduling, patient care management, clinical, decision support, reimbursement and financial. These applications are supported on two different platforms – Magic and Client Server. This document explains the setup in the Magic operating system.

The MEDITECH Client Server installation is based on Windows operating systems and prints through Xerox Windows print drivers. Since MEDITECH does not certify new devices from any manufacturer, an older industry-standard print device model is used within the MEDITECH setup screens. Since Xerox devices use industry standard PCL and PostScript to print, they are able to print PCL output from MEDITECH Client Server correctly.

Purpose

The stated devices have been certified in the MEDITECH environment.

These notes are a result of a self-certification program offered by MEDITECH Corporation that Xerox participates in. This document has the following sections:

- Advantages of Xerox Devices
- Procedures

The notes and procedures in this Section can be used to demonstrate support & compatibility in the MEDITECH Magic Environment. This section is intended to provide guidelines for using a Xerox device in a MEDITECH and a mixed/office environment. The document is written for these audiences:

 - Information Technology (IT) managers interested in using the latest technologies to print in a MEDITECH environment.
 - System administrators implementing these technologies at their sites. It is not intended to be a step by step guide for the everyday user. It is assumed that the reader understands how to operate the specific printer and has administrator privileges on the system the printer is being installed on.
- Additional Notes
- Background to MEDITECH Magic Certifications
- List of Xerox Devices that are MEDITECH Magic certified.

Advantages to Using a Xerox Device

Healthcare customers increasingly look for services and technologies infused with security at every level to protect patient information and to be HIPAA compliant. As a leader in the development of digital technology, Xerox has demonstrated a commitment to keeping digital information safe and secure, including:

Product Security

As a leader in the development of digital technology, Xerox has demonstrated a commitment to keeping digital information safe and secure by identifying potential vulnerabilities and proactively addressing them to limit risk. For more information on product security, visit:

<http://www.xerox.com/information-security/product-security/enus.html>

Common Criteria Certification

Many Xerox multifunction devices have earned the international standard in information security, making it even easier for IT to meet the strict security requirements in Healthcare. For a complete listing of Common Criteria Certified devices, visit:

<http://www.xerox.com/information-security/common-criteria-certified/enus.html>

Other key security features available with most Xerox multifunction devices include:

Secure Print: Jobs are safely stored at the device until the owner enters a PIN to release them – controlling unauthorized viewing of documents sent to the printer.

Disk Encryption: Many Xerox devices use encryption to protect patient data at rest on internal hard disks and during transmission to and from the device.

Image Overwrite Option: The Image Overwrite security option electronically shreds information stored on the hard disk of devices as part of routine job processing. Electronic erasure can be performed automatically at job completion or on demand

Removable Hard Drive: Administrators can physically remove hard drives, virtually eliminating the risk of unauthorized access to sensitive data.

IP Filtering: Provides a system administrator with a means of restricting access to the system to a specific set of IP addresses within a Hospital or Doctors office.

Document Security Technologies

Xerox provides added security features within the document itself at print time without the need for special toners or papers, employing Glossmark technology to create a tamper-proof document - guaranteeing its authenticity. Learn more on anti-counterfeiting technologies, at:

<http://www.xerox.com/information-security/document-security-technologies/enus.html>

Information and Content Security Services

Xerox addresses information and content security through the code of practice defined in the ISO 17799 Information Security Management Standard, and the establishment of an appropriate management system, managing risk across the enterprise. For more, visit:

<http://www.xerox.com/information-security/content-security/enus.html>

More information about Xerox helping to secure your data can be found at <http://www.xerox.com/security>

Procedures

Note: The options selected in the following steps are examples. The options you choose may be different.

1. Logon to the MEDITECH workstation and access the Application Databases menu. See Figure 1.

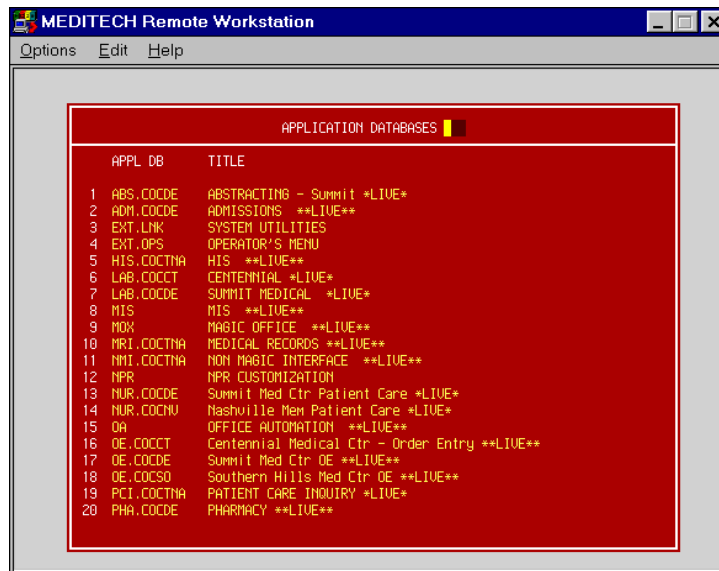


Figure 1: Application Databases

2. Find and Select **Ext.OPS** option [**Operations Menu**] from the Application Databases list and enter the [**Operator Code**] to access the Hospital Administration menu. The System Administrator could configure this option to be any number. As an example **Ext.OPS** option [**Operations Menu**] is option 4 in the Figure 1 screenshot.
3. Select option 10, [**Manage Open Systems**]. See Figure 2.

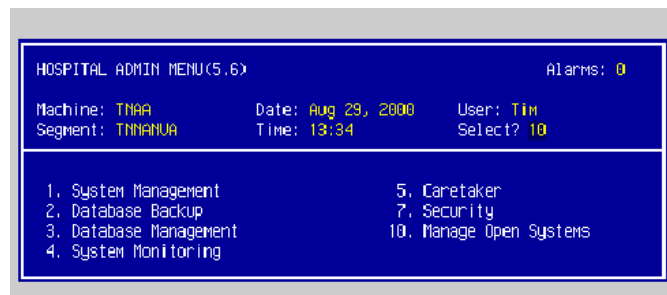


Figure 2: Hospital Administration Menu

4. At the Manage Open Systems menu under TCP Options, select option 26, [**Enter/Edit Remote Printers**]. See Figure 3.

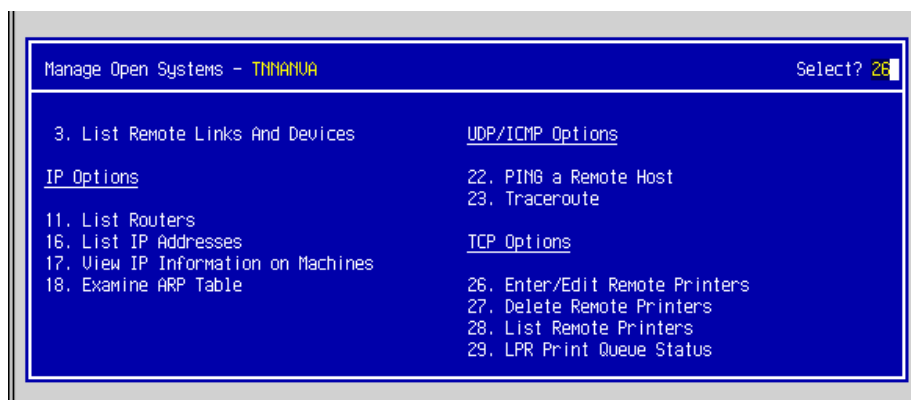


Figure 3: Enter/Edit Remote Printers

5. To add the printer to the MEDITECH environment, enter the following items at the Enter/Edit Remote LPR Printers Menu. See Figure 4a for the 9.1 and newer OS's and Figure 4b is for the 8.0 and newer OS's
 - Printer – use any name for the print queue.
 - Description – description of the printer location.
 - Model – Select [HPLASERIIII] from the pull down options. Please note that MEDITECH Magic OS uses this model code for all Devices from all Vendors to set up Printers in their environment.
 - TCP port – 515
 - Maximum disconnect duration – 30 [refer to Additional Notes Section towards the end of the document for details]
 - Nagle – N
 - Use expanded local ports – Y [refer to Additional Notes Section towards the end of the document for details]
 - Remote host – host name of the printer.
 - Remote name – you must enter lp for the remote queue name.

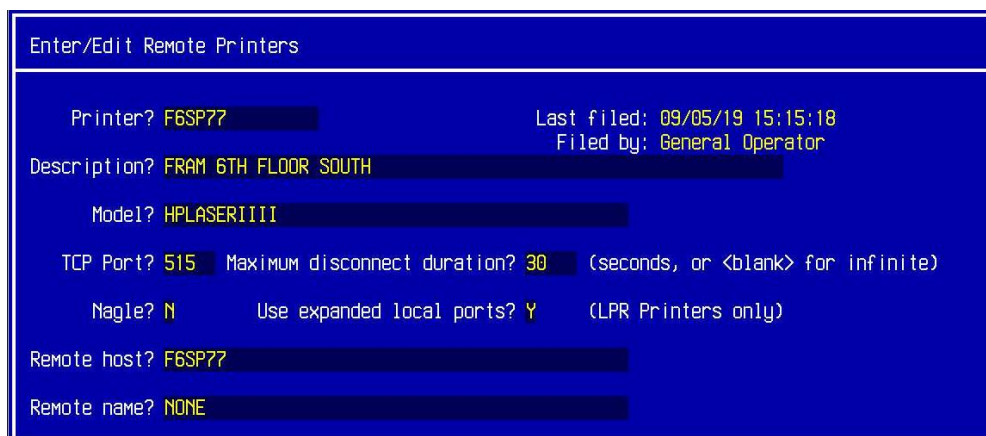


Figure 4a: Enter/Edit Remote LPR Printers Menu for OS 9.1 and newer OS's

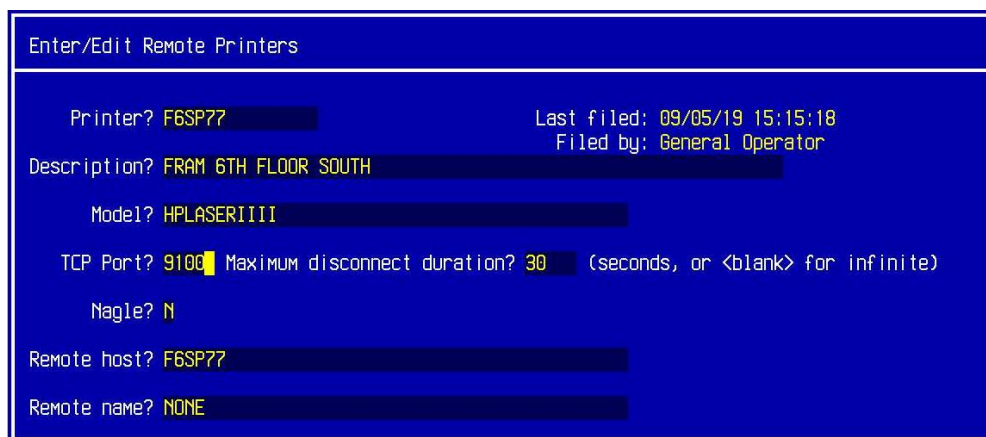


Figure 4b: Enter/Edit Remote LPR Printers Menu for the 8.0 and newer OS's till 9.1

6. Press [Enter] to go back to the Manage Open Systems menu.

- From the Manage Open Systems menu under UDP/ICMP options, select option 22, [PING a Remote Host]. Type in the host name of the printer that you used in the Enter/Edit Remote printers screen. See Figure 5.

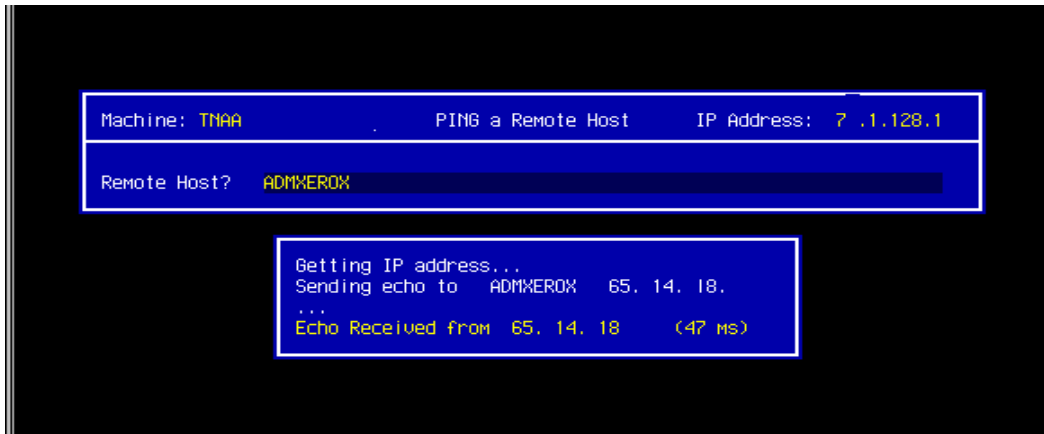


Figure 5: Ping a Remote Host

- Press [Enter] to go back to the main menu Application Databases. Select option 17, [Summit Med. Ctr OE]. See Figure 6.

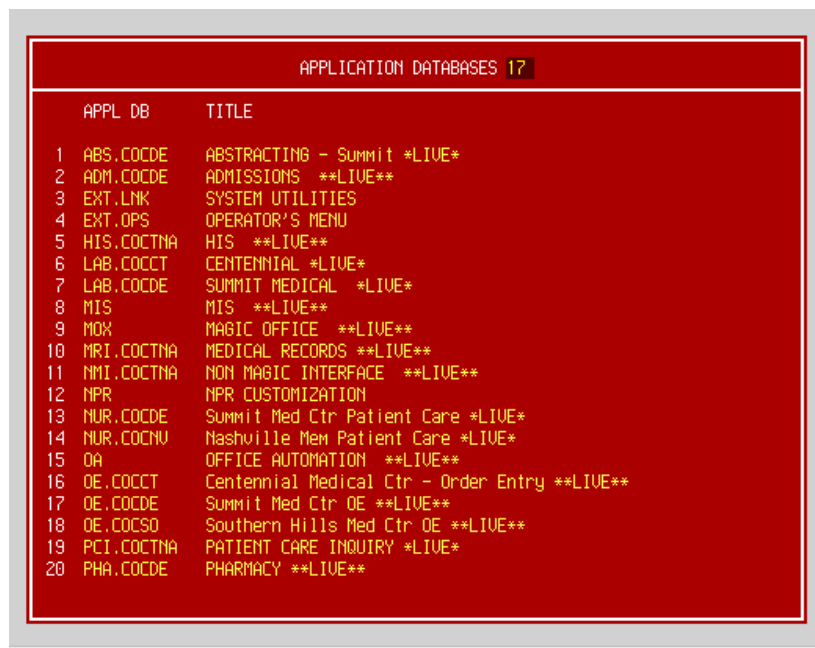


Figure 6: Application Databases

9. From the Order Entry System, select option 100, [PCI Maintenance]. See Figure 7.

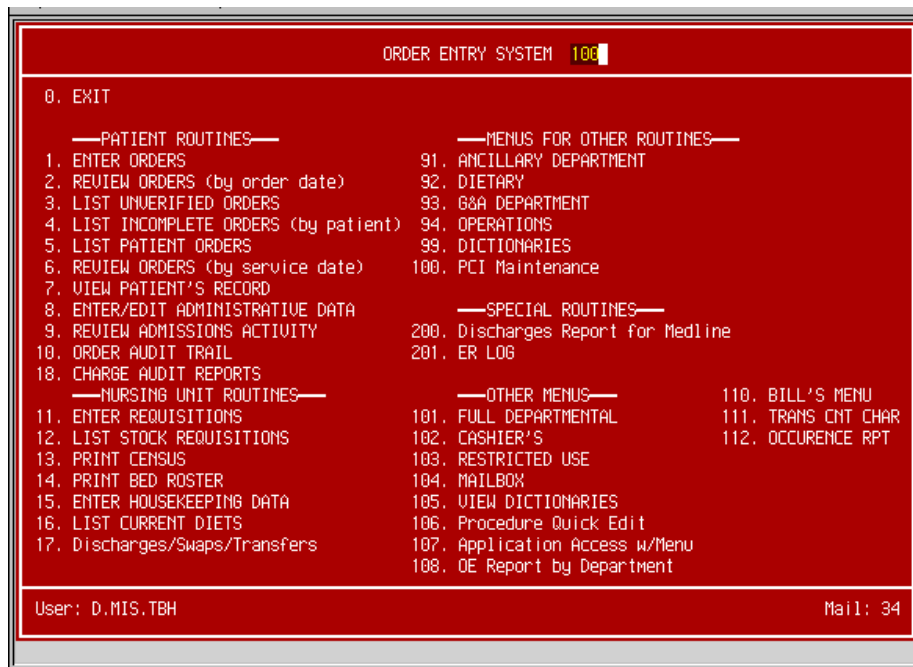


Figure 7: PCI Maintenance

10. From System Maintenance Functions, select [Printer: Define printers: Edit: Enter/Edit Printers] for the queue name you just created. From here, select options for access by users. See Figure 8.



Figure 8: Printer Maintenance

The Xerox device is now set up on the Magic OS platform in the MEDITECH environment. **Congratulations!**

Additional Notes

- The Xerox Network card allows multiple TCP connections from jobs that want to print, which can lead to undetected "lost" print jobs if the printer or card is reset. To avoid such instances, set the Max Disconnect duration =30 and set the TCP Port 9100 to its maximum value.
- Where WINS is still being used, ensure that the Xerox Device is set in the WINS table.
- MEDITECH Magic OS uses standard PCL 5, 5C or 5E language commands. Please contact your local Xerox Support representative for Device specific Printer Definitive Language (PDL) documents. These documents will provide specific Tray / Media call escape sequences to be used for Custom Queue creation, if required.

MEDITECH Certification Background

- MEDITECH certification process covers printing of the following MEDITECH Magic OS features. All Xerox Devices which are MEDITECH Magic certified will support these capabilities.
 - General laser report printing by MEDITECH Magic applications,
 - Remote (TCP/IP),
 - Local/Pass-through printing environments,
 - Barcode labels (where applicable) connected as a Magic or Remote printer.
- Some Xerox devices are Multifunction which allow users to concurrently Scan, Fax and Copy in addition to Print. Xerox has many Third Party Partners that can scan directly to the MEDITECH application environment. Contact your local Sales Representative or call 1-800-ASK-XEROX for more information.

MEDITECH Magic Certified Xerox Devices

For the latest certified Xerox Device information including software versions, please visit <http://www.meditech.com/prsystems/pages/SYSmcSCprintersupport.htm> by using the credentials provided by MEDITECH.

Device Certified	Associated Family Devices [same engine / controller present]	PCL version #
Phaser 3600N	Phaser 3600N	PCL 5e - 5.73 02-28-2008 PCL 6 - 5.57 11-28-2007
Phaser 3635MFP	Phaser 3635MFP/S, 3635MFP/X	PCL 5e - 5.73 02-29-2008 PCL 6 - 5.63 02-14-2008
Phaser 4510N	Phaser 4510/B, 4510/DT, 4510/DX	PCL 5e - 7.0.1
Phaser 5550DT	Phaser 5550DT	PCL 5e - 7.0.1 PCL 6 - 7.0.1
Phaser 6130/N	Phaser 6130/N	PCL 6 – 2.6.4
Phaser 6180MFP-D	Phaser 6180N, Phaser 6180DN Phaser 6180MFP/N, Phaser 6180MFP/D	PCL 5 – Generic PCL 5c driver PCL 6 - 2.6.4
Phaser 8560 DN/ Phaser 8560 MFP	Phaser 8560/N, 8560/DN, 8560/DT, 8560/DX Phaser 8560MFP/N, 8560MFP/T, 8560MFP/D, 8560MFP/X	PCL 5c 5.0
Phaser 8860 / Phaser 8860 MFP	Phaser 8860/N, Phaser 8860MFP/D	PCL 5c 5.0
WorkCentre 275 Pro	WorkCentre 232, 238, 245, 255, 265, 275 WorkCentre Pro 232, 238, 245, 255, 265, 275	PCL 5 - 4.192.26.0 PCL 6 - 4.192.26.0
WorkCentre 4118	WorkCentre 4118P, 4118X	PCL 6 – 3.61
WorkCentre 4150	WorkCentre 4150	PCL 5e – 5.62 PCL 6 – 5.49
WorkCentre 4260	WorkCentre 4250S, 4250X, 4250XF WorkCentre 4260S, 4250X, 4250XF	PCL 5e – 5.79 PCL 6 – 5.82
WorkCentre 5645	WorkCentre 5632, 5638, 5655	PCL 5 - 5.131.5.0 PCL 6 - 5.131.5.0
WorkCentre 7242	WorkCentre 7232	PCL6/5e: - 5.99.3.0
WorkCentre 7345	WorkCentre 7328, 7335, 7346	PCL6/5e: - 5.72.0.0.0
WorkCentre 7675	WorkCentre 7655, 7655	PCL6/5e: - 5.107.3.0

Support

For more help using a Xerox device in a MEDITECH environment, Xerox has a variety of support resources to solve individual implementation problems or answer questions before installation.

Additional Information

You can reach Xerox Customer Support at <http://www.xerox.com> or by calling Xerox Support in your country.

Xerox Customer Support welcomes feedback on all documentation - send feedback via e-mail to: USA.DSSC.Doc.Feedback@mc.usa.xerox.com.

Other Tips about Xerox multifunction devices are available at the following URL: <http://www.office.xerox.com/support/dctips/dctips.html>.

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