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**Manufacturer Disclosure Statement for Medical Device Security – MDS²**

**Device Category:** 16512  **Manufacturer:** Eastman Kodak  **Document ID:** 5H8305  **Document Release Date:** 12/31/2005

**Device Model:** DirectView CR 500/800/825/850/900/950/975 and ROP  **Software Revision:** 4.5  **Software Release Date:** 11/23/05

**Manufacturer or Representative Contact Information:**
- **Name:** Technical Support
- **Company Name:** Eastman Kodak
- **Title:** N/A
- **Telephone #:** 1-800-328-2910
- **Department:** US&C Service
- **e-mail:** health.imaging.tsc@kodak.com

**MANAGEMENT OF ELECTRONIC PROTECTED HEALTH INFORMATION (ePHI) As defined by HIPAA Security Rule, 45 CFR Part 164)**

1. Can this device transmit or maintain electronic Protected Health Information (ePHI)? Yes
2. Types of ePHI data elements that can be maintained by the device:
   a. Demographic (e.g., name, address, location, unique identification number)? Yes
   b. Medical record (e.g., medical record #, account #, test or treatment date, device identification number)? Yes
   c. Diagnostic/therapeutic (e.g., photo/radiograph, test results, or physiologic data with identifying characteristics)? Yes
   d. Open, unstructured text entered by device user/operator? Yes
3. Maintaining ePHI: Can the device
   a. Maintain ePHI temporarily in volatile memory (i.e., until cleared on by power-off or reset)? Yes
   b. Store ePHI persistently on local media? Yes
   c. Import/export ePHI with other systems? Yes
4. Mechanisms used for the transmitting, importing/exporting of ePHI: Can the device
   a. Display ePHI (e.g., video display)? Yes
   b. Generate hardcopy reports or images containing ePHI? Yes
   c. Retrieve ePHI from or record ePHI to removable media (e.g., disk, DVD, CD-ROM, tape, CF/SD card, memory stick)? Yes
   d. Transmit/receive or import/export ePHI via dedicated cable connection (e.g., IEEE 1073, serial port, USB, FireWire)? No
   e. Transmit/receive ePHI via a network connection (e.g., LAN, WAN, VPN, intranet, Internet)? Yes
   f. Transmit/receive ePHI via an integrated wireless connection (e.g., WiFi, Bluetooth, infrared)? Yes
   g. Other?
5. Does the device have an integral data backup capability (i.e., backup onto removable media such as tape, disk)? Yes
6. What underlying operating system(s) (including version number) are used by the device? Microsoft Windows 2000 SP4

**PHYSICAL SAFEGUARDS**

7. Are all device components maintaining ePHI (other than removable media) physically secure (i.e., cannot remove without tools)? Yes
8. Does the device have an integral data backup capability (i.e., backup onto removable media such as tape, disk)? Yes
9. Can the device boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)? Yes

**TECHNICAL SAFEGUARDS**

10. Can software or hardware not authorized by the device manufacturer be installed on the device? Yes
11. Can the device be serviced remotely (i.e., maintenance activities performed by service person via network or remote connection)? Yes
   a. Can the device restrict remote access to specific devices or network locations (e.g., specific IP addresses)? Yes
   b. Can the device log provide an audit trail of remote-service activity? Yes
   c. Can security patches or other software be installed remotely? Yes
12. Level of owner/operator service access to device operating system: Can the device owner/operator
   a. Apply device manufacturer-validated security patches? Yes
   b. Install or update antivirus software? Yes
   c. Update virus definitions on manufacturer-installed antivirus software? Yes
   d. Obtain administrative privileges (e.g., access operating system or application via local root or admin account)? Yes
13. Does the device support user/operator specific ID and password? Yes
14. Are access sessions terminated after a predetermined length of inactivity (e.g., auto logoff)? Yes
15. Events recorded in device audit log (e.g., user, date/time, action taken): Can the audit log record
   a. Login and logout by users/operators? Yes
   b. Viewing of ePHI? Yes
   c. Creation, modification or deletion of ePHI? Yes
   d. Import/export or transmittal/receipt of ePHI? Yes
16. Does the device incorporate an emergency access ("break-glass") feature that logs each instance of use? No
17. Can the device maintain ePHI (e.g., by internal battery) during power service interruptions? Yes
18. Controls when exchanging ePHI with other devices:
   a. Transmitted only via a physically secure connection (e.g., dedicated cable)? Yes
   b. Encrypted prior to transmission via a network or removable media? Yes
   c. Restricted to a fixed list of network addresses (i.e., host-based access control list)? Yes
19. Does the device ensure the integrity of the ePHI data with implicit or explicit error detection/correction technology? Yes

1Recommend use of ECRI’s Universal Medical Device Nomenclature System (UMDNS).
RECOMMENDED SECURITY PRACTICES

Users must take steps to secure their networks and protect their Medical Information Systems which includes a risk assessment strategy, network defense in depth strategy, business continuity planning, etc.

EXPLANATORY NOTES (from questions 1 – 19):

IMPORTANT: Refer to Instructions for the Manufacturers Disclosure Statement for Medical Device Security for the proper interpretation of information provided in this form.

1. Kodak Health Group provides operator and technical training for the DirectView CR systems at our Dallas, TX facility. Service/technical documentation includes configuration guidelines for a certified service provider to configure the CR system activation of the software firewall services.

2. Valid Digital Certificate is required for service access (e.g. system modification, loading additional software, use of the CD or USB drives, etc.)

3. Access to the CD drive or USB ports would require the individual to open the access door and slide out the CPU. Normal operation of the CR system does not require the use of a keyboard; therefore no keyboard is attached to the system

4. The clinical user does not have access to the system desktop, limiting access to the Windows Operating System

5. The system limits transfer of ePHI through defined DICOM associations which requires defined IP addresses and AE Titles

6. CR Systems have the capability to complete a backup of configuration data via the floppy drive

7. CR Systems have boot capability via the CD drive

8.