Manufacturer Disclosure Statement for Medical Device Security - MDS ²							
Device Category †: 16512		Manufacturer: Carestream Health Inc.		Document ID: 6K1735 Document Release Date: 31-Oct-2011			
Device Model: DRX-Evolution, DR 35/75/95, DRX-Systems(DRX-1,Mobile,Transportable,Ascend)		Software Revision: 5.5 and later		Software Release Date: October 2011			
Manufacturer or Representative Contact Information: Name: Technical Supplies Company Name: Carestr			Title: N/A Telephone #: 1-800	-328-2910	Department: US&C Service e-mail: health.imaging.tsc@carestreamhealth.com		ealth.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: aDemographic (e.g., name, address, location, unique identification number)?							Note #
ADMINISTRATIVE SAFEGUARDS Yes No N/A Note # 5. Does manufacturer offer operator and technical support training or documentation on device security features?							
8. Does the device	omponents maintainii e have an integral dat	ng ePHI (other than removable med a backup capability (i.e., backup o d or removable media (i.e., a so	onto removable med	lia such as tape, dis	move without tools)	Yes No N/A ? Yes Yes Yes	_2,3_ 4
11. Can the device a. Can the d b. Can the d c. Can secur 12. Level of owner, a. Apply dev	r hardware not author be serviced remotely evice restrict remote evice log provide an a ity patches or other s operator service acce ice manufacturer-vali	rized by the device manufacture (i.e., maintenance activities perform access to specific devices or net audit trail of remote-service acti- oftware be installed remotely? ess to device operating system: dated security patches?	ed by service perso work locations (e vity?	n via network or rer e.g., specific IP ac 	mote connection)?. ddresses)?	Yes No N/A No Yes Yes Yes Yes Yes Yes	
c. Update vind. Obtain ad 13. Does the device 14. Are access sess 15. Events recorder a. Login and b. Viewing of c. Creation, d. Import/ex	rus definitions on mar ministrative privileges e support user/operat sions terminated after d in device audit log (logout by users/oper f ePHI? modification or deletic port or transmittal/re	nufacturer-installed antivirus sof s (e.g., access operating system or specific ID and password? a predetermined length of inac e.g., user, date/time, action tal ators?	tware? or application via tivity (e.g., auto ken): <i>Can the au</i>	a local root or ad logoff)? dit log record	min account)?	No	
17. Can the device 18. Controls when a. Transmitt b. Encrypted c. Restricted	maintain ePHI (e.g., exchanging ePHI with ed only via a physicall prior to transmission to a fixed list of netw	y secure connection (e.g., dedic via a network or removable me ork addresses (i.e., host-based	er service interruptated cable)?edia?access control lis	otions?		Yes Yes No No Yes	
19. Does the device	e ensure the integrity	of the ePHI data with implicit of	r explicit error de	tection/correction	n technology?	Yes	

† Recommend use of ECRI's Universal Medical Device Nomenclature System (UMDNS).

Adapted from Information Security for Biomedical Technology: A HIPAA Compliance Guide, ACCE/ECRI, 2004.

ACCE – the American College of Clinical Engineering; ECRI – formerly the Emergency Care Research Institute.

Carestream Health Inc. MDS² v 1.0 – All DR V5.5 Products

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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. Carestream Health provides operator and technical training for the DRX-Evolution, DRX-1 System, DRX-1 Mobile Retrofit, DRX-Transportable, DRX-Ascend, DR3500, DR7500 and DR9500 Systems. Service/technical documentation includes configuration guidelines for a certified service provider to configure the DR 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 CD/DVD or USB drives etc.)
- 3. The Clinical user does not have access to the system desktop, limiting access to the Windows Operating System.
- 4. DR systems have the capability to complete a backup of configuration data via removable media.
- 5. DR systems have boot capability via the CD/DVD drive.
- 6. Carestream Health CR and DR products are designed to include Intrusion Detection and Prevention System software (Symantic Critical System Protection) superior to anti-virus in terms of network protection. Customers should not load anti-virus software on these systems as they are already protected and the anti-virus software may interfere with performance.
- 7. The auto logout feature is provided but can be disabled by the local security administrator.
- 8. The customer has the option of creating an emergency access user account. This is accomplished by creating a user account and safeguarding the password such that it can be used for emergency situations.
- The system limits transfer of ePHI through defined DICOM associations, which requires defined IP addresses and AE titles.
- 10. The DRX-Mobile and DRX-Transportable products can be configured to transmit ePHI data over a wireless connection