Manufacturer Disclosure Statement for Medical Device Security - MDS <sup>2</sup>							
Device Category 1: 16512		Manufacturer: Carestream Health Inc.		Document ID: <b>6K7906</b> Document Release Date: <b>6-Sept-2013</b>			
Device Model: DRX-Revolution, DRX-Evolution, DRX-Systems(DRX-1,Mobile,Transportable,Ascend)		Software Revision: <b>5.6b and later</b>		Software Release Date: April 2013			
Manufacturer or Representative Contact Information: Name: Technical Support Company Name: Carestr			Title: <b>N/A</b> Telephone #: 1-800-328-29		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)?   2. Types of ePHI data elements that can be maintained by the device:  aDemographic (e.g., name, address, location, unique identification number)?							
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	2,3,12_
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 personwork locations (evity?	n via network or rer .g., specific IP ad 	mote connection)?.	Yes No N/A  No Yes Yes Yes Yes Yes No	
c. Update vi d. Obtain ad 13. Does the device 14. Are access sess 15. Events recorde a. Login and b. Viewing o 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 l ken): <i>Can the au</i>	a local root or ad logoff)? dit log record	min account)?	N/A Yes Yes Yes Yes Yes Yes Yes	
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 interrup cated cable)? edia? access control lis	otions?		No No Yes	8
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. MDS<sup>2</sup> v 1.0 – All DR V5.6b 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 <u>Instructions for the Manufacturers Disclosure Statement for Medical Device Security</u> for the proper interpretation of information provided in this form.

- 1. Carestream Health provides operator and technical training for the DRX-Revolution, 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.
- 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.
- 9. The system limits transfer of ePHI through defined DICOM associations, which requires defined IP addresses and AE titles.
- 10. The DRX-Revolution, DRX-Mobile Retrofit, and DRX-Transportable products can be configured to transmit ePHI data over a wireless connection.
- 11. The DRX-Revolution can be configured to transmit FIPS 140-2 level 1 encrypted ePHI using FIPS 140-2 certified cryptographic software from 3Eti.
- 12. The DRX-Revolution and DRX-Evolution can be configured with a FIPS 140-2 certified Motorola Access Point.