Manufacturer Disclosure Statement for Medical Device Security – MDS ²							
Device Category t: 16512		Manufacturer: Carestream Health Inc.		Document ID: 9H2672 Document		ument Release Date: 16-Sept-2	201
Device Model: DRX-Evolution, DRX-1, DRX-1 Mobile Retrofit, DR 35/75/95		Software Revision: 5.5 and later		Software Release Date: September 2011			
Manufacturer or Representative Contact Information:	Name: Technical Support		Title: N/A			Department: US&C Service	
	Company Name: Carestream Health Inc.		Telephone #: 1-800-328-2910		e-mail: health.imaging.tsc@carestreamhealth.com		
MANAGEMENT OF ELECTRONIC PROTECTED HEALTH INFORMATION (ePHI) As defined by HIPAA Security Rule, 45 CFR Part 164) Yes No N/A Note 1. Can this device transmit or maintain electronic Protected Health Information (ePHI)? ¹ Yes							
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 have an integral data backup capability (i.e., backup onto removable media such as tape, disk)? 9. Can the device boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)? 							
TECHNICAL SAFEGUARDS Y 10. Can software or hardware not authorized by the device manufacturer be installed on the device? 11. Can the device be serviced remotely (i.e., maintenance activities performed by service person via network or remote connection)?. 11. Can the device be serviced remotely (i.e., maintenance activities performed by service person via network or remote connection)?. 11. Can the device be serviced remotely (i.e., maintenance activities performed by service person via network or remote connection)?. 12. Can the device restrict remote access to specific devices or network locations (e.g., specific IP addresses)? 12. Level of owner/operator service access to device operating system: Can the device owner/operator_ 12. Level of owner/operator service access to device operating system: Can the device owner/operator_ 13. Does the device additions on manufacturer-installed antivirus software? 13. Does the device support user/operator specific ID and password?						yes Yes	
 Events recorder a. Login and b. Viewing o c. Creation, d. Import/ex 16. Does the device 17. Can the device 18. Controls when a. Transmitt b. Encrypted 	d in device audit log (logout by users/oper f ePHI? modification or deleti port or transmittal/re e incorporate an emer maintain ePHI (e.g., exchanging ePHI with ed only via a physical I prior to transmission	a predetermined length of inac e.g., user, date/time, action tal ators? on of ePHI? ceipt of ePHI? gency access ("break-glass") fe by internal battery) during powe other devices: ly secure connection (e.g., dedie via a network or removable me ork addresses (i.e., host-based	eature that logs eature that logs eature that logs eature interrup cated cable)?	dit log record	se?	Yes No	
19. Does the device ensure the integrity of the ePHI data with implicit or explicit error detection/correction technology?							

¹ 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 – DR v5.5

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Manufacturer Disclosure Statement for Medical Device Security – MDS²

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.

- Carestream Health provides operator and technical training for the DRX-Evolution, DRX-1 System, DRX-1 Mobile Retrofit, 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.
- 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.

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