Jevi	ce Category: * 15949	Manufacturer: * Carestream Health, Inc.		ocument Rele '6/2018	ase Dat	e:
	ce Model: DRYVIEW 6850 r Imaging System	Software Revision: 1.x	Software Release Date: May 2010	0/2010		
		Name: Technical Support	Title: N/A De	epartment: U	IS&C Se	rvice
	ufacturer or Representative act Information:	Company Name: Carestream Health, Inc.	U.S.A. Telenhone #	mail:		
	AGEMENT OF ELECTRONIC PR 164)	COTECTED HEALTH INFORMATION	(ePHI) As defined by HIPAA Security Rule,	45 CFR	Yes No N/A	Note #
	Types of ePHI data elements  a. Demographic (e.g., namb. Medical record (e.g., mec. Diagnostic/therapeutic (e.g., mec. Di		vice:		Yes Yes Yes Yes No	
	Maintaining ePHI: Can the da. Maintain ePHI temporaril	<i>evice</i> ly in volatile memory (i.e., until cle	eared on by power-off or reset)?		Yes	7
	<ul><li>b. Store ePHI persistently of</li><li>c. Import/export ePHI with</li></ul>				Yes Yes	7 1
	Mechanisms used for the tra a. Display ePHI (e.g., video	nsmitting, importing/exporting of e	ePHI: Can the device		No	
	b. Generate hardcopy repor	rts or images containing ePHI?			Yes	
	<ul><li>c. Retrieve ePHI from or re stick)?</li></ul>	cord ePHI to removable media (e.ç	g., disk, DVD, CD-ROM, tape, CF/SD card,	memory	No	
	FireWire	·	e connection (e.g., IEEE 1073, serial port,	USB,	No	
		a a network connection (e.g., LAN			Yes	
	f. Transmit/receive ePHI vi g. Other?	a an integrated wireless connection	n (e.g., WiFi, Bluetooth, infrared)*		No N/A	
<u>NC</u>	IINISTRATIVE SAFEGUARDS				<u>Yes</u> <u>No</u> N/A	<u>Note</u>
	Does manufacturer offer ope	erator and technical support trainin	g or documentation on device security fear	tures?	Yes	oft
	What underlying operating s	ystem(s) (including version numbe	er) are used by the device?		Micros Windo Embed	
HY:	SICAL SAFEGUARDS				<u>Yes</u> <u>No</u> N/A	<u>Note</u>
	Are all device components m without tools)?	naintaining ePHI (other than remov	vable media) physically secure (i.e., canno	t remove	Yes	
			packup onto removable media such as tape a., a source other than an internal drive or		No Yes	
FECHNICAL SAFEGUARDS					Yes No N/A	<u>Note</u>
0		ot authorized by the device manufa			No	
1	remote connection)?	•	es performed by service person via networ		Yes	
		emote access to specific devices or le an audit trail of remote-service a	network locations (e.g., specific IP addres	ses)?	No Yes	2
2	c. Can security patches or o	ther software be installed remotely	y?		Yes	3
_	a. Apply device manufacture	er-validated security patches?	stem: Can the device owner/operator		Yes	6
	b. Install or update antivirus				No	4
		n manufacturer-installed antivirus	software? tem or application via local root or admin a	account)?	No No	4
		goo (o.g., doooss operating sys	• •		Yes	
3	·	r/operator specific ID <i>and</i> passwor			Yes	
1	Does the device support use Are access sessions terminat	ted after a predetermined length o	f inactivity (e.g., auto logoff)? on taken): <i>Can the audit log record</i>			
4	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user	ted after a predetermined length or adit log (e.g., user, date/time, action	3 . 3 .		Yes	
4	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI?	ted after a predetermined length o udit log (e.g., user, date/time, actions/soperators?	3 . 3 .		Yes No	
4	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI? c. Creation, modification or	ted after a predetermined length o dit log (e.g., user, date/time, actions/ s/operators? deletion of ePHI?	3 . 3 .		Yes No No	
4 5	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI? c. Creation, modification or d. Import/export or transmi	ted after a predetermined length o dit log (e.g., user, date/time, actions/ s/operators? deletion of ePHI? ttal/receipt of ePHI?	3 . 3 .	,	Yes No	
4 5 6 7	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI? c. Creation, modification or d. Import/export or transmi Does the device incorporate Can the device maintain ePH	ted after a predetermined length o dit log (e.g., user, date/time, actions/operators? deletion of ePHI? ttal/receipt of ePHI? an emergency access ("break-glas II (e.g., by internal battery) during	on taken): Can the audit log record  ss") feature that logs each instance of use?	,	Yes No No No	
4 5 6 7	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI? c. Creation, modification or d. Import/export or transmi Does the device incorporate Can the device maintain ePH Controls when exchanging elements.	ted after a predetermined length o dit log (e.g., user, date/time, actions/operators? deletion of ePHI? ttal/receipt of ePHI? an emergency access ("break-glas II (e.g., by internal battery) during	on taken): Can the audit log record  (ss") feature that logs each instance of use?  I power service interruptions?	,	Yes No No No No	
3 4 5 6 7 8	Does the device support use Are access sessions terminat Events recorded in device au a. Login and logout by user b. Viewing of ePHI? c. Creation, modification or d. Import/export or transmi Does the device incorporate Can the device maintain ePH Controls when exchanging el a. Transmitted only via a ph b. Encrypted prior to transmi	ted after a predetermined length o udit log (e.g., user, date/time, actions/operators? deletion of ePHI? ttal/receipt of ePHI? an emergency access ("break-glastic (e.g., by internal battery) during PHI with other devices:	on taken): Can the audit log record  is") feature that logs each instance of use? I power service interruptions? edicated cable)? media?	,	Yes No No No No Yes	5

# Manufacturer Disclosure Statement for Medical Device Security - MDS<sup>2</sup>

### RECOMMENDED SECURITY PRACTICES

## **Network Requirements**

The purpose of connection to an external network is for reception of DICOM image/data. The intended information flow is the DICOM image from modality to printer, and the intended routing is based on local area network that supports DICOM protocol. The external network shall be 10/100Base-T or 1000Base-T Ethernet network, providing DICOM print service based on DICOM protocol as a DICOM printer.

To ensure network security, a network firewall shall be utilized and kept up to date, and the network integrator shall ensure that only the necessary network ports are opened for remote access.

#### Caution

Connection of the equipment to an external network that includes other equipment could result in previously unidentified risks to patients, operators, or third parties.

The person responsible for the maintenance of this equipment shall identify, analyze, evaluate and control these risks according to IEC 80001-1:2010.

After the initial installation, subsequent changes to the network to which this equipment is connected could introduce new risks and require additional analysis. Typical changes may include but are not limited to:

- Changes in the network configuration
- · Connection of additional items to the network
- · Disconnection of items from the network
- Update or upgrade of equipment connected to the network

#### **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. When Remote Service Management (RMS) is activated the hard drive of the device (where ePHI is stored) can be accessed remotely. Only qualified service personnel from Carestream Health Inc. have this kind of access.
- 2. The log will be lost if the hard drive is re-ghosted.
- 3. Certain software patches can be downloaded through RMS and installed. This can only be done by qualified Carestream Health Inc. service personnel.
- 4. The system is protected from malicious attack by utilizing the Microsoft firewall to block/disable all ports not needed for DICOM printing or secure remote access. MICROSOFT XP Embedded Security Patches have been incorporated into the software to provide additional protection. MICROSOFT no longer supports or provides security patches for Windows XP.
- 5. All RMS related network communication is encrypted and goes through the Status Link Enterprise Server owned and operated by Carestream Health Inc. in Rochester NY, USA.
- Carestream Health Inc. authorized service providers must make software updates available on the device before customers can install software updates containing validated security updates. MICROSOFT / Carestream no longer provides Windows XP security updates.

7.	ePHI stored data files that are obtained from the connected modality are deleted from memory upon the user's print job being
	completed.

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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.