		Manufactu	rer Disclosure Statem	nent for Medical Device Security – MDS ²		
			DEVICE	DESCRIPTION		
Devic	e Cate	ory	Manufacturer	Document ID	Date	
1624	16247 Carestream Health, Inc.			7K7078 04/16/2016	/16/2016	
Devic	Device Model Software Revision		Software Revision	Software Release D	 Date	
CAR	ESTRE	AM Image Suite	4.0 and Higher	12/12/2013		
_		Company Name		Manufacturer Contact Information		
Manu	ıfactureı		th. Inc.	Telephone #: 1-800-328-2910		
Repr	esentati			e-mail: health.imaging.tsc@carestreamhealth.com		
Conta	act Infor	Technical Suppo				
lutan	مرز ادماد	of device in network-co		i		
inten	ueu us	of device in network-co	nnected environment.			
			MANAGEMEN	IT OF PRIVATE DATA		
					Yes, No,	#
	Re	er to Section 2.3.2 of this	s standard for the proper inte	erpretation of information requested in this form.	N/A, or	Note #
Λ	Cont	is device display transcr	uit ou modintoin mulvete dete	(including plantagic Protected Health Information	See Note	
Α	ePHI		nit, or maintain private data	(including electronic Protected Health Information	Yes	
В	-	•	s that can be maintained by	the device:	168	
ľ	В.1	•	ne, address, location, unique		Yes	
	B.2		•	est or treatment date, device identification number)?	103	_
				30. 0. 1.00.1.10.1.1 00.00, 00.00.1.1.100.1.1.100.1, 1	Yes	
	B.3	Diagnostic/therapeutic	(e.g., photo/radiograph, test	results, or physiologic data with identifying		
		characteristics)?			Yes	
	B.4	Open, unstructured tex	t entered by device user/op	erator?	No	
	B.5	Biometric data?			No	
	B.6	Personal financial infor	mation?		No	_
С		nining private data - Car			7.7	
	C.1			ry (i.e., until cleared by power-off or reset)?	Yes	_
	C.2		sistently on local media?		Yes	
	C.3		ata with other systems?	410	Yes Yes	<u>-</u>
_	C.4		during power service interrup		168	1
D	D.1	nisms used for the trans Display private data (e.		of private data – Can the device :	Yes	
	D.1		g., video display, etc.): orts or images containing pr	rivate data?	Yes	_
	D.3	., .	0.	o removable media (e.g., disk, DVD, CD-ROM, tape,	100	
	D.0	CF/SD card, memory s	•	o removable media (e.g., diek, 272, e2 reem, tape,	Yes	
	D.4	•	. ,	dedicated cable connection (e.g., IEEE 1073, serial port,		
		USB, FireWire, etc.)?	•	(3 /)	Yes	
	D.5	Transmit/receive priva	te data via a wired network o	connection (e.g., LAN, WAN, VPN, intranet, Internet,		
		etc.)?			Yes	_
	D.6	Transmit/receive private	te data via an integrated wire	eless network connection (e.g., WiFi, Bluetooth, infrared,		
		etc.)?			Yes	
	D.7	Import private data via	scanning?		Yes	
	D.8	Other?			No	
l			•	e. To protect against data loss/corruption it is strongly rec	commended to	0
	igement		oment to provide uninterrupt	tible power.		
Pilva	te Data	iotes:				

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CARE	STREAM Image Suite	4.0 and Higher		12/12/2013		
		SECURIT	Y CAPABILITIES			
					Yes, No,	#
		f this standard for the proper inte	erpretation of information re-	quested in this form.	N/A, or See Note	Note
1	AUTOMATIC LOGOFF (A) The device's ability to prev	LOF) vent access and misuse by unau	nthorized users if device is	left idle for a period of time.		
1-1	•	red to force reauthorization of lo ock, password protected screen		letermined length of inactivity	Yes	_
	-	ctivity time before auto-logoff/scr gurable range] in notes.)	reen lock user or administra	ator configurable? (Indicate	Yes	_
	1-1.2 Can auto-logoff/scr user?	een lock be manually invoked (e	e.g., via a shortcut key or pr	oximity sensor, etc.) by the	Yes	
ALOF notes:						
2	AUDIT CONTROLS (AUD	•				
	The ability to reliably audit	,				
2-1	Can the medical device co	reate an audit trail ?			Yes	
2-2	Indicate which of the follow	ing events are recorded in the a	audit log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/presentatio	n of data			Yes	
	2-2.3 Creation/modification	on/deletion of data			Yes	
	2-2.4 Import/export of da	ta from removable media			Yes	
	2-2.5 Receipt/transmission	on of data from/to external (e.g.,	network) connection		Yes	
	2-2.5.1 Remote serv	vice activity			Yes	2
	2-2.6 Other events? (des	scribe in the notes section)			No	
2-3	Indicate what information is	s used to identify individual even	nts recorded in the audit log	:		
	2-3.1 User ID				See Note	3
	2-3.2 Date/time				Yes	
	2. System has inter	rnal login control and activity lo	oging		103	_
AUDT notes:		events contain the User ID, other				
3	AUTHORIZATION (AUTH)					
		determine the authorization of u	isers.			
3-1	Can the device prevent ac	ccess to unauthorized users thro	ough user login requirement	ts or other mechanism?	Yes	
3-2	power users, administrator				Yes	
3-3	Can the device owner/ ope application via local root or	erator obtain unrestricted admini admin account)?	strative privileges (e.g., acc	ess operating system or	No	
AUTH notes:						

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4	CONFIGURATION OF SE	CURITY FEATURES (CNFS)				
	The ability to configure/re-	configure device security capa	bilities to meet users' nee	eds.		
4-1	Can the device owner/operator reconfigure product security capabilities?					4
CNFS notes:	4. The Web Site c	an configured to access by Http	or Https.			
5	CYBER SECURITY PRO	DUCT UPGRADES (CSUP)				
	The ability of on-site servi	ce staff, remote service staff, or	authorized customer staff t	o install/upgrade device 's secur	ity patches.	
5-1	Can relevant OS and devi	ice security patches be applied t	o the device as they becor	me available?	Yes	
	5-1.1 Can security patch	es or other software be installed	remotely?		Yes	5
CSUP notes:	5. Through installe	ed remote access tool, service is	able to install patches and	other software remotely.		
6	HEALTH DATA DE-IDEN	TIFICATION (DIDT)				
	The ability of the device to	directly remove information that	t allows identification of a p	person.		
6-1	Does the device provide a	an integral capability to de-identit	y private data?		Yes	6
DIDT notes:	6. When export in	nage as Patient CD, user can sele	ect the option to hide patie	nt information (Patient Name/Patient Name/Pa	atient ID, etc	:.)
7	DATA BACKUP AND DIS	ASTER RECOVERY (DTBK)				
	The ability to recover after	damage or destruction of devic	e data, hardware, or softwa	are.		
7-1	Does the device have an as tape, disk)?	integral data backup capability (i	.e., backup to remote stora	age or removable media such	Yes	7
DTBK notes:		ccomplished by the Windows op CD and archive image to CD/DV		• •	ata, the system	m
8	EMERGENCY ACCESS (EMRG)				
	The ability of device user data .	s to access private data in case	of an emergency situation	that requires immediate access	to stored pr i	ivate
8-1	Does the device incorpora	ate an emergency access ("brea	ak-glass") feature?		Yes	
EMRG notes:						
9		TY AND AUTHENTICITY (IGAU) hat data processed by the device	•	destroyed in an unauthorized ma	nner and is fr	rom
9-1	ŭ	ne integrity of stored data with im	nplicit or explicit error detec	tion/correction technology?	Yes	
IGAU notes:						

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10	MALWARE DETECTION/P	, ,	P	/ l		
	•	effectively prevent, detect and r		,		
10-1	• • •	e use of anti-malware software	•	nechanism)?	No	
	·	endently re-configure anti-malw malware detection occur in the	~		No No	_
		rer-authorized persons repair sy		s heen detected?	110	
	To the Carrolly managed	ror admonizod porcono ropan o	yotomo whom marwaro na	o boon dotootod.	No	
10-2	Can the device owner instal	l or update anti-virus software	?		Yes	8
10-3	Can the device owner/oper. software?	ator (technically/physically) upd	ate virus definitions on ma	anufacturer-installed anti-virus	Yes	8
		ommended to install anti-virus/f	irewall software at both t	he host PC and web client PC, M	IcAfee softv	vare
MLDP notes:		be installed along with Image S		,		
11	NODE AUTHENTICATION	(NAUT) authenticate communication pa	rtners/nodes			
11-1	-	pport any means of node authenther and are authorized to receive		-	Yes	
NAUT						
notes:	PERSON AUTHENTICATION	ON (PAUT)				
	Ability of the device to auth	enticate users				
12-1	Does the device support us	ser/operator-specific username	(s) and password(s) for at	least one user?	Yes	
	12-1.1 Does the device sup	pport unique user/operator-spe	cific IDs and passwords fo	or multiple users?		_
12.2	Can the device he configure		le an automod authonticati	on consider (o. a. MC Active	Yes	
12-2	Directory, NDS, LDAP, etc.)	ed to authenticate users throug	n an external authentication	on service (e.g., MS Active	No	
12-3	•	ed to lock out a user after a cer	tain number of unsuccess	ful logon attempts?		
	-				No	
12-4	Can default passwords be o	changed at/prior to installation?			No	_
12-5	Are any shared user IDs us	•			Yes	
12-6	Can the device be configur rules?	ed to enforce creation of user a	ccount passwords that me	eet established complexity	Yes	_
12-7	Can the device be configur	ed so that account passwords e	expire periodically?		Yes	_
PAUT notes:						
13	PHYSICAL LOCKS (PLOK)				
		unauthorized users with physical educine device or on removable med		om compromising the integrity an	d confidentia	ality
13-1	Are all device components remove without tools)?	maintaining private data (other	than removable media)	physically secure (i.e., cannot	No	9
PLOK	•	ponsibility to protect the PC eq	uipment. (For example, b	y locking the PC to the table etc.		
notes:						

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4	ROADMAP FOR THIRD F	ARTY COMPONENTS IN DEV	ICE LIFE CYCLE (RDMP)		000 11010	
	Manufacturer's plans for s	ecurity support of 3rd party con	ponents within device life c	ycle.		
4-1	In the notes section, list the including version number(e provided or required (separat s).	ely purchased and/or delive	red) operating system(s) -	Yes	1
4-2	Is a list of other third party	applications provided by the m	anufacturer available?		Yes	_
	10.Win 7 SP1/Win	n 8.1				
RDMP notes:						
5		ION HARDENING (SAHD)				
		cyber attacks and malware .				
15-1	industry-recognized harde			•	No	_
5-2		ny mechanism (e.g., release-sp nufacturer-authorized program o		s, etc.) to ensure the installed	No	_
5-3	Does the device have external communication capability (e.g., network, modem, etc.)?					_
5-4	(NTFS) for MS Windows p	,	. •	,	No	_
5-5	applications?	not required for the intended u			No	_
5-6	Are all shared resources (e.g., file shares) which are not required for the intended use of the device , disabled? Are all communication ports which are not required for the intended use of the device closed/disabled?					_
5-7	•	·			No	_
5-8		et, file transfer protocol [FTP], ir use of the device deleted/disab	· · · · · · · · · · · · · · · · · · ·	S], etc.), which are not	No	_
5-9	• • • • • • • • • • • • • • • • • • • •	applications as well as OS-ince applications as well as OS-ince deleters.	• • • •	Internet Explorer, etc.) which	No	_
5-10	component)?	uncontrolled or removable me	,	,	No	_
5-11	Can software or hardware tools?	not authorized by the device m	anufacturer be installed on t	the device without the use of	Yes	1
SAHD	11. Only privilege device is the Imag		at is installed on a PC meeti	all additional software on the PC ng the minimum specifications.	C. The medic	
16	SECURITY GUIDANCE (S	GGUD)				
	The availability of security	guidance for operator and adn	ninistrator of the system and	manufacturer sales and service).	
6-1	Are security-related featur	es documented for the device (user?		Yes	_
16-2	Are instructions available of personal or other sensit	for device /media sanitization (i. ive data)?	e., instructions for how to ac	hieve the permanent deletion	Yes	_
GUD	notes:					

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	Refer to Section 2.3.2 c	of this standard for the proper inte	erpretation of information re	equested in this form.	Yes, No, N/A, or See Note	Note #
17		E CONFIDENTIALITY (STCF) o ensure unauthorized access do dia.	es not compromise the into	egrity and confidentiality of priv		
17-1	Can the device encrypt da	ata at rest?			No	
STCF notes:						
18	TRANSMISSION CONFID	DENTIALITY (TXCF)				
	The ability of the device to	ensure the confidentiality of tran	nsmitted private data.			
18-1	Can private data be trans	mitted only via a point-to-point de	edicated cable?		No	
18-2	Is private data encrypted which encryption standard	prior to transmission via a netwo	rk or removable media ? (If yes, indicate in the notes	Yes	12
18-3	• • • • • • • • • • • • • • • • • • • •	on restricted to a fixed list of netv	vork destinations?		Yes	13
TXCF notes:	transmission. But,	to transfer PHI data via a network still not encrypted prior to trans at to those predefined DICOM ta	mission via a removal med		d prior to	
19	TRANSMISSION INTEGR	, ,				
19-1	•	o ensure the integrity of transmitt any mechanism intended to ensu ion how this is achieved.)	-	ing transmission? (If yes,	No	_
TXIG notes:						
20	OTHER SECURITY CONS	, ,				
00.4	-	erations/notes regarding medica	il device security.			
20-1 20-2	Can the device be service Can the device restrict rel	ed remotely? mote access to/from specified de	vices or users or network	locations (e.g., specific IP	Yes	14
	addresses)?				Yes	15
	14. Requires the s	configured to require the local u ite to be connected to the networ fications to the Window's OS do	k and allow remote access		No	
OTHR notes:						