		Manufacturer Disclosure Statement for Medical E	Device Security – MDS ²	
		DEVICE DESCRIPTION		
Devi	ce Cateo	ory Manufacturer Document ID	Document Release Date	
1651	-	Carestream Health Inc. AF0697	12-Jun-18	
Devid	Device Model Software Revision Software Rel			
		tion, DRX-Revolution 5.7 and later	May-18	
		Evolution (Plus), DRX-	iviay-18	
		Systems(DRX-1		
	ems:Mol			
-		sportable(Lite),Neo)		
Rette	511t, 11an	Company Name Manufacturer Cor	tact Information	
Manu	ufacture			
	esentati		ging.tsc@carestreamhealth.com	
Cont	act Infor	mation	ging.tsetwearestreamineartin.com	
		Technical Support		
Inter	ided us	e of device in network-connected environment:		
_		MANAGEMENT OF PRIVATE D	ΑΤΑ	_
_	_		Yes, No,	#
		er to Section 2.3.2 of this standard for the proper interpretation of information	on requested in this form. N/A, or See Note	Note
A	Can t [ePHI	his device display, transmit, or maintain private data (including electronic])?	Protected Health Information Yes	
В	Types	of private data elements that can be maintained by the device :		
	B.1	Demographic (e.g., name, address, location, unique identification number)? Yes	
	B.2	Medical record (e.g., medical record #, account #, test or treatment date,	device identification number)?	
			Yes	
	B.3	Diagnostic/therapeutic (e.g., photo/radiograph, test results, or physiologic characteristics)?	data with identifying Yes	
	B.4	Open, unstructured text entered by device user/operator?	Yes	
	B.5	Biometric data?	No	
	B.6	Personal financial information?	No	
с		aining private data - Can the device :	1.0	
	C.1	Maintain private data temporarily in volatile memory (i.e., until cleared by	power-off or reset)? No	
	C.2	Store private data persistently on local media?	Yes	
	C.3	Import/export private data with other systems?	Yes	
	C.4	Maintain private data during power service interruptions?	Yes	
D	Mech	anisms used for the transmitting, importing/exporting of private data – Can	the device:	
	D.1	Display private data (e.g., video display, etc.)?	Yes	
	D.2	Generate hardcopy reports or images containing private data?	Yes	1
	D.3	Retrieve private data from or record private data to removable media (e CF/SD card, memory stick, etc.)?	e.g., disk, DVD, CD-ROM, tape, Yes	
	D.4	Transmit/receive or import/export private data via dedicated cable conne USB, FireWire, etc.)?	ction (e.g., IEEE 1073, serial port, Yes	
	D.5	Transmit/receive private data via a wired network connection (e.g., LAN, etc.)?		
	D.6	Transmit/receive private data via an integrated wireless network connect		n
ĺ.		etc.)?	Yes	2
Í	D.7	Import private data via scanning?	No N/A	
	D.8	Other?	N/A	
	agement ite Data		· · · · ·	
		Barcode Scanner to allow reading of patients wristband.		

Device Category		Manufacturer Document ID Document Release		Date		
16512		Carestream Health Inc.	AF0697	43263		
Device		Software Revision		Software Release D	ate	
DRX-Revolution, DRX-Revolution 5.7 and later 43250						
	DRX-Evolution(Plus), DRX-	1				
	l,DRX Systems(DRX-1 ns:Mobile,					
	it,Transportable(Lite),Neo)	i		i		
		I SECUDI	TY CAPABILITIES	1		_
		JECURI			Yes, No,	#
			terpretation of information re	quested in this form.	N/A, or See Note	Note #
1	AUTOMATIC LOGOFF (ALC The device's ability to preven	•	authorized users if dovice is	loft idlo for a pariod of time		
1 1				determined length of inactivity		
1-1	(e.g., auto-logoff, session loc	k, password protected scree	n saver)?		Yes	_
	1-1.1 Is the length of inactiv time [fixed or configur	able range] in notes.)			Yes	_
	1-1.2 Can auto-logoff/scree user?				Yes	3
ALOF notes:	3. The auto logout fea	ature is provided but can be	disabled by the local securi	ty administrator.		
2	AUDIT CONTROLS (AUDT)					
	The ability to reliably audit ac	tivity on the device .				
2-1	Can the medical device creater	ate an audit trail ?			Yes	
2-2	Indicate which of the following	g events are recorded in the	audit log:			
	2-2.1 Login/logout				Yes	_
	2-2.2 Display/presentation of	of data			Yes	_
	2-2.3 Creation/modification/	deletion of data			Yes	_
	2-2.4 Import/export of data	from removable media			Yes	
	2-2.5 Receipt/transmission	of data from/to external (e.g	., network) connection		Yes	
	2-2.5.1 Remote servic	e activity			Yes	
	2-2.6 Other events? (descri	be in the notes section)			No	_
2-3	Indicate what information is u	sed to identify individual eve	ents recorded in the audit log	j:		_
	2-3.1 User ID	·	-		Yes	
	2-3.2 Date/time				Yes	_
					res	-
AUDT notes:						
3	AUTHORIZATION (AUTH)					
	The ability of the device to de					
3-1	Can the device prevent acce				Yes	_
3-2	Can users be assigned differ power users , administrators,	etc.)?			Yes	_
3-3	Can the device owner/ opera application via local root or a	dmin account)?			No	4
AUTH notes:		ate is required for service ad		niting access to the Windows C ion, loading additional softwar		stem.

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Device	Model	Software Revision		Software Release D		
	Revolution, DRX-Revolution	1		43250		
	DRX-Evolution(Plus), DRX-					
	1,DRX Systems(DRX-1					
	ns:Mobile,					
Retrof	it,Transportable(Lite),Neo)			-		
					Yes, No,	#
			rpretation of information requeste	d in this form.	N/A, or See Note	Note
4	CONFIGURATION OF SECU	· · ·				
		nfigure device security capat				
4-1	Can the device owner/operate	tor reconfigure product securi	ty capabilities?		No	
CNFS notes:						
5	CYBER SECURITY PRODU	CT UPGRADES (CSUP)				
	The ability of on-site service	staff, remote service staff, or a	uthorized customer staff to instal	l/upgrade device 's secu	ity patches.	
5-1	Can relevant OS and device	security patches be applied to	o the device as they become avai	lable?	Yes	
		or other software be installed	-		Yes	
					1 05	
CSUP						
notes:						
6	HEALTH DATA DE-IDENTIF					
	The ability of the device to d	irectly remove information that	allows identification of a person.			
6-1	Does the device provide an i	ntegral capability to de-identify	/ private data?		Yes	
DIDT notes:						
	DATA BACKUP AND DISAS					
ľ		mage or destruction of device	a data hardware or software			
7-1	•	-	e., backup to remote storage or r	emovable media such		
	as tape, disk)?				Yes	5
DTBK			ackup of configuration data via re he systems are intended to be cap			
notes:	provide a mechanism	to backup exam and mage, i	ne systems are intended to be cap		.8.	
8	EMERGENCY ACCESS (EM	IRG)				
	The ability of device users to private data .	o access private data in case	of an emergency situation that re	quires immediate acces	s to stored	
8-1	Does the device incorporate	an emergency access ("brea	k-glass") feature?		Yes	6
EMRG notes:			gency access user account. This is can be used for emergency situa		ing a user	
9	HEALTH DATA INTEGRITY	AND AUTHENTICITY (IGAU)				
			has not been altered or destroye	ed in an unauthorized ma	nner and is fi	rom
9-1	Does the device ensure the i	integrity of stored data with im	plicit or explicit error detection/co	rection technology?		
I					Yes	
IGAU						
notes:						

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DRX-I	Revolution, DRX-Revolution	5.7 and later		43250		
	ORX-Evolution(Plus), DRX-					
	l,DRX Systems(DRX-1					
	ns:Mobile,					
Retrof	t,Transportable(Lite),Neo)	I		I	Vee Ne	
	Refer to Section 2.3.2 of the	is standard for the proper in	terpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #
10	MALWARE DETECTION/PR	OTECTION (MLDP)				
	The ability of the device to ef	fectively prevent, detect and	d remove malicious software	(malware).		
10-1	Does the $\ensuremath{\textup{device}}$ support the	use of anti-malware softwa	are (or other anti-malware me	echanism)?	Yes	_
	10-1.1 Can the user indepen	, ,	0		No	
	10-1.2 Does notification of m				No	
	10-1.3 Can only manufacture	er-authorized persons repair	systems when malware has	been detected?	V	
10.0	o		0		Yes	
10-2	Can the device owner install of				No	
10-3	software?	or (technically/physically) u	poate virus dennitions on mai	nufacturer-installed anti-virus	No	7
		DR products are designed	to include Intrusion Detectio	n and Prevention System softw		
MLDP				ion. Customers should not loa		
notes:			-	tware may interfere with perfor		
	, ,	5 51		5 1		
11	NODE AUTHENTICATION (N	IAUT)				
	The ability of the device to au	uthenticate communication	partners/nodes.			
11-1	Does the device provide/supp	port any means of node aut	hentication that assures both	the sender and the recipient		
	of data are known to each oth	er and are authorized to re-	ceive transferred information?	?	No	
					110	_
NAUT						
notes:						
12	PERSON AUTHENTICATION	I (PAUT)				_
	Ability of the device to auther	nticate users				
12-1	Does the device support use	r/operator-specific usernar	ne(s) and password(s) for at	least one user ?		
					Yes	
· ·	12-1.1 Does the device supp	ort unique user/operator -s	pecific IDs and passwords for	r multiple users?		_
			•		Yes	_
12-2	Can the device be configured	to authenticate users thro	ugh an external authenticatio	n service (e.g., MS Active		
	Directory, NDS, LDAP, etc.)?		-		No	
12-3	Can the device be configured	to lock out a user after a c	ertain number of unsuccessf	ul logon attempts?		
					No	
12-4	Can default passwords be cha		?		No	
12-5	Are any shared user IDs used	•			Yes	
12-6	Can the device be configured rules?	to enforce creation of use	r account passwords that me	et established complexity	Cas Nata	8
10.7		l as that assault hassiverd	avnira nariadiaally?		See Note	•
12-7	Can the device be configured				Yes	
PAUT		<u> </u>		64 characters, a minimum nur	nber of	
notes:	letters,forced mixed c	ase letters, and a minimum	number of digits.			
13	PHYSICAL LOCKS (PLOK)					_
	. ,	outhorized usors with phys	rical access to the dovice from	m compromising the integrity a	nd confidenti	iality
	of private data stored on the			m compromising the integrity a		anty
	- private unit otored on the					
13-1	Are all device components m	aintaining private data (oth	ner than removable media) p	hysically secure (i.e., cannot		
	remove without tools)?				Yes	
PLOK						
notes:						

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Device Category		Manufacturer Document ID Document Re			ise Date	
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Device Model		Software Revision		Software Release D	ate — — —	
DRX-	Revolution, DRX-Revolution	5.7 and later		43250		
Nano, I	DRX-Evolution(Plus), DRX-					
	d,DRX Systems(DRX-1					
	ns:Mobile,					
Retrof	it,Transportable(Lite),Neo)					
	Refer to Section 2.3.2 of th	is standard for the proper int	erpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #
14	ROADMAP FOR THIRD PAR		. ,	volo		
	Manufacturer's plans for secu			-		
14-1	In the notes section, list the p including version number(s).	provided or required (separate	ely purchased and/or deliver	ed) operating system(s) -	See Note	9
14-2	Is a list of other third party ap	plications provided by the ma	anufacturer available?		Yes	
	9. Windows Embedd				105	
RDMP	9. WINdows Embedd	eu Stalluaru / 04 olt				
notes:						
15	SYSTEM AND APPLICATIO					
	The device's resistance to cy	· · · ·				
15-1	Does the device employ any	hardening measures? Pleas	se indicate in the notes the le	evel of conformance to any		
	industry-recognized hardenin	g standards.			No	
15-2	Does the device employ any program/update is the manufacture		-	, etc.) to ensure the installed	Yes	
15-3	Does the device have extern			2		
15-4			,		Yes	
15-4	Does the file system allow the (NTFS) for MS Windows plat		access controls (e.g., New	rechnology File System	No	
15-5	Are all accounts which are no applications?	ot required for the intended u	use of the device disabled o	r deleted, for both users and	Yes	
15-6	Are all shared resources (e.g	., file shares) which are not r	equired for the intended us	e of the device, disabled?		
45.7	A 11 · · · · ·				Yes	
15-7	Are all communication ports	which are not required for the	e intended use of the device	e closed/disabled?	Yes	
15-8	Are all services (e.g., telnet, f			6], etc.), which are not		
	required for the intended use				Yes	
15-9	Are all applications (COTS ap are not required for the inten			Internet Explorer, etc.) which	Yes	
15-10	Can the device boot from une	controlled or removable me	dia (i.e., a source other than	an internal drive or memory		
15-11	component)? Can software or hardware no	t authorized by the device m	anufacturer be installed on t	the device without the use of	Yes	10
10 11	tools?	-			No	
	10. The systems have	boot capability via the CD/	DVD drive			
SAHD	notes:					
16	SECURITY GUIDANCE (SG	•	inistrator of the system and	manufacturer color and condi-		
4.6				manufacturer sales and servic		
16-1	Are security-related features				Yes	
16-2	Are instructions available for of personal or other sensitive		e., instructions for how to ac	hieve the permanent deletion	Yes	
SGUD	notes:					

Device Category		Manufacturer Document ID Document Rel			ease Date	
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Nano,	DRX-Evolution(Plus), DRX-					
	d,DRX Systems(DRX-1					
	ns:Mobile,					
Retrof	it,Transportable(Lite),Neo)					
	Refer to Section 2.3.2 of the	his standard for the proper inte	erpretation of information re	quested in this form.	Yes, No, N/A, or See Note	Note #
17	HEALTH DATA STORAGE	CONFIDENTIALITY (STCF)			000 11010	_
	The ability of the device to e on device or removable me		oes not compromise the int	egrity and confidentiality of priv	ate data stor	red
17-1	Can the device encrypt data	a at rest?			Yes	13
STCF notes:		ryption available with an opti RX-Ascend / Q-Rad, and DR		elf-encrypting hard drive for D	RX-Evolutic	on,
18	TRANSMISSION CONFIDE	NTIALITY (TXCF)				
	The ability of the device to e	ensure the confidentiality of tra	ansmitted private data.			
18-1	Can private data be transm	itted only via a point-to-point o	ledicated cable?		Yes	
18-2	Is private data encrypted pr	ior to transmission via a netwo	ork or removable media ? (If yes, indicate in the notes		_
	which encryption standard is	implemented.)			No	_
18-3	Is private data transmission	restricted to a fixed list of net	work destinations?		Yes	11
TXCF notes:	11. The system limit titles.	s transfer of ePHI through de	fined DICOM associations	, which requires defined IP add	resses and A	E
notes.						
19	TRANSMISSION INTEGRIT	Y (TXIG)				
		ensure the integrity of transmit	ted private data.			
19-1	-	y mechanism intended to ens		ing transmission? (If yes,	No	_
TXIG notes:						
20						_
20	Additional security consider	ations/notes regarding medic	al device security.			
20-1	Can the device be serviced	remotely?			Yes	
20-2	Can the device restrict remo addresses)?	ote access to/from specified d	evices or users or network	locations (e.g., specific IP	Yes	
	20-2.1 Can the device be c	onfigured to require the local i	user to accept or initiate rer	note access?	Yes	12
	12. After servcie cor service.	figured the remote monitor s	ystem correct, the local use	er should be able to enable/disa	ble the remo	ote
OTHR						
notes:						

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