Manufacturer Disclosure Statement for Medical Device Security -- MDS2

 ImageView Version 1.0 Build 1.9

 Carestream DRX-Revolution

 Carestream DRX-Evolution Plus

 Carestream DRX-Revolution Nano

 Carestream DRX-In-room

 Carestream DRX-Transportable / Lite

 Carestream MRX-Mobile

 Carestream MRX-Compass

22-Apr-2021

Question ID	Question		See note	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DOC-1	Manufacturer Name	Carestream Health, Inc.	_			
DOC-2	Device Description	X-Ray Imaging Systems	_			
		ImageView Version 1.0 Build 1.9				
		Carestream DRX-Revolution				
		Carestream DRX-Evolution				
		Carestream DRX-Evolution Plus				
		Carestream DRX-Revolution Nano				
		Carestream DRX-Ascend				
		Carestream DRX In-room				
		Carestream DRX-Transportable / Lite				
		Carestream DRX-Mobile				
DOC-3	Device Model	Carestream DRX-Compass	_			
DOC-4	Document ID	AL6111	_			
		4 000 000 0040				
		1-800-328-2910				
DOC-5	Manufacturer Contact Information	health.imaging.tsc@carestreamhealth.com	—			
DOC-6	Intended use of device in network-connected environment:	X-Ray Imaging System				
DOC-8 DOC-7	Document Release Date	4/22/2021	—			
000-7	Document Release Date	4/22/2021	—			
	Coordinated Vulnerability Disclosure: Does the manufacturer					
DOC-8	have a vulnerability disclosure program for this device?	Yes				
5000	have a valiferability also sare program for this device.		—			
	ISAO: Is the manufacturer part of an Information Sharing and					
DOC-9	Analysis Organization?	Yes				
			—			
	Diagram: Is a network or data flow diagram available that					
	indicates connections to other system components or expected					
DOC-10	external resources?	Yes	_			
	SaMD: Is the device Software as a Medical Device (i.e. software-					
DOC-11	only, no hardware)?	No	_			
DOC-11.1	Does the SaMD contain an operating system?	N/A	_			
	Does the SaMD rely on an owner/operator provided operating					
DOC-11.2	system?	N/A	_			
	Is the SaMD hosted by the manufacturer?					
DOC-11.3		N/A				
DOC-11.4	Is the SaMD hosted by the customer?	N/A	_			

MANAGEMENT OF PERSONALLY IDENTIFIABLE

	MANAGEMENT OF PERSONALLY IDENTIFIABLE INFORMATION		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health				
MPII-1	Information (ePHI))?	Yes		AR-2	A.15.1.4
		_			
MPII-2	Does the device maintain personally identifiable information? Does the device maintain personally identifiable information	Yes		AR-2	A.15.1.4
	temporarily in volatile memory (i.e., until cleared by power-off or				
MPII-2.1	reset)?	Yes		AR-2	A.15.1.4
M00 2 2	Does the device store personally identifiable information	N			
MPII-2.2	persistently on internal media? Is personally identifiable information preserved in the device's	Yes			
MPII-2.3	non-volatile memory until explicitly erased?	Yes			
	Does the device store personally identifiable information in a				
MPII-2.4	database? Does the device allow configuration to automatically delete local	Yes			
	personally identifiable information after it is stored to a long				
MPII-2.5	term solution?	Yes		AR-2	A.15.1.4
	Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring				
	device might export personally identifiable information to a				
MPII-2.6	server)?	Yes		AR-2	A.15.1.4
	Does the device maintain personally identifiable information				
MPII-2.7	when powered off, or during power service interruptions?	Yes		AR-2	A.15.1.4
	Does the device allow the internal media to be removed by a	—			
	service technician (e.g., for separate destruction or customer				
MPII-2.8	retention)? Does the device allow personally identifiable information records	Yes			
	be stored in a separate location from the device's operating				
	system (i.e. secondary internal drive, alternate drive partition, or				
MPII-2.9	remote storage location)?	No		AR-2	A.15.1.4
	Does the device have mechanisms used for the transmitting,				
MPII-3	importing/exporting of personally identifiable information?	Yes		AR-2	A.15.1.4
MPII-3.1	Does the device display personally identifiable information (e.g., video display, etc.)?	Yes		AR-2	A.15.1.4
	Does the device generate hardcopy reports or images containing			7002	1.13.1.4
MPII-3.2	personally identifiable information?	No		AR-2	A.15.1.4
	Does the device retrieve personally identifiable information from				
	or record personally identifiable information to removable media				
	(e.g., removable-HDD, USB memory, DVD-R/RW,CD-R/RW, tape,				
MPII-3.3	CF/SD card, memory stick, etc.)? Does the device transmit/receive or import/export personally	Yes		AR-2	A.15.1.4
	identifiable information via dedicated cable connection (e.g., RS-				
MPII-3.4	232, RS-423, USB, FireWire, etc.)?	No		AR-2	A.15.1.4
	Does the device transmit/receive personally identifiable information via a wired network connection (e.g., RJ45, fiber				
MPII-3.5	optic, etc.)?	Yes		AR-2	A.15.1.4
	Does the device transmit/receive personally identifiable	_			
M00 2.6	information via a wireless network connection (e.g., WiFi,	See Notes 1		40.2	
MPII-3.6	Bluetooth, NFC, infrared, cellular, etc.)? Does the device transmit/receive personally identifiable	See Notes 1		AR-2	A.15.1.4
MPII-3.7	information over an external network (e.g., Internet)?	No		AR-2	A.15.1.4
M00 2.0	Does the device import personally identifiable information via	Ne			
MPII-3.8	scanning a document?	No			

	ImageView Version 1.0 Build 1.9 Carestream DRX-Revolution Carestream DRX-Evolution Carestream DRX-Evolution Plus Carestream DRX-Revolution Nano Carestream DRX-Ascend Carestream DRX-In-room Carestream DRX-In-room Carestream DRX-In-soortable / Lite Carestream DRX-Mobile						
Carestream Health, Ir	Carestream DRX-Compass	AL6111	2	22-Apr-2021			
MPII-3.9 MPII-3.10 Management of Priva	Does the device transmit/receive personally identifiable information via a proprietary protocol? Does the device use any other mechanism to transmit, import or export personally identifiable information? te Data notes: 1) Mobile X-Ray systems may optionally use WiFi to transmit and All X-Ray systems may optionally use a wireless Bluetooth 2D ban		_			AR-2 AR-2	A.15.1.4 A.15.1.4
	AUTOMATIC LOGOFF (ALOF) The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can the device be configured to force reauthorization of logged-						
ALOF-1	in user(s) after a predetermined length of inactivity (e.g., auto-	¥			Section 5.1. ALOF	AC-12	News
ALOF-1	logoff, session lock, password protected screen saver)? Is the length of inactivity time before auto-logoff/screen lock	Yes	—		Section 5.1, ALOF	AC-12	None
ALOF-2	user or administrator configurable?	Yes			Section 5.1, ALOF	AC-11	A.11.2.8, A.11.2.9
	AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can the medical device create additional audit logs or reports						A.5.1.1, A.5.1.2, A.6.1.1,
AUDT-1	beyond standard operating system logs?	Yes	_		Section 5.2, AUDT	AU-1	A.12.1.1, A.18.1.1, A.18.2.2
AUDT-1.1	Does the audit log record a USER ID?	Yes	—				
AUDT-1.2	Does other personally identifiable information exist in the audit trail?	Yes			Section 5.2, AUDT	AU-2	None
	Are events recorded in an audit log? If yes, indicate which of the						
AUDT-2	following events are recorded in the audit log:	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.1 AUDT-2.2	Successful login/logout attempts? Unsuccessful login/logout attempts?	Yes Yes	—		Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2	None
AUDT-2.3	Modification of user privileges?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.4	Creation/modification/deletion of users?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.5	Presentation of clinical or PII data (e.g. display, print)?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.6	Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive,	Yes	—		Section 5.2, AUDT	AU-2	None
AUDT-2.7	external hard drive, DVD)?	Yes	_		Section 5.2, AUDT	AU-2	None
	Receipt/transmission of data or commands over a network or						
AUDT-2.8 AUDT-2.8.1	point-to-point connection? Remote or on-site support?	Yes Yes	-		Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2	None
AUD1-2.8.1	Remote of on-site support?	res	—		Section 5.2, AUDT	AU-2	None
AUDT-2.8.2	Application Programming Interface (API) and similar activity?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.9	Emergency access?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-2.10	Other events (e.g., software updates)?	Yes	—		Section 5.2, AUDT	AU-2	None
AUDT-2.11	Is the audit capability documented in more detail? Can the owner/operator define or select which events are	Yes	—		Section 5.2, AUDT	AU-2	None
AUDT-3	recorded in the audit log?	Yes	2		Section 5.2, AUDT	AU-2	None
	Is a list of data attributes that are captured in the audit log for an						
AUDT-4 AUDT-4.1	event available? Does the audit log record date/time?	Yes Yes	-		Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2	None None
A001-4.1	Can date and time be synchronized by Network Time Protocol	163	-		Section 5.2, A001	A0-2	None
AUDT-4.1.1	(NTP) or equivalent time source?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-5	Can audit log content be exported?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-5.1	Via physical media? Via IHE Audit Trail and Node Authentication (ATNA) profile to	Yes	-				
AUDT-5.2	SIEM?	Yes	3				
	Via Other communications (e.g., external service device, mobile		-				
AUDT-5.3	applications)?	No	_				
AUDT-5.4	Are audit logs encrypted in transit or on storage media?	No	<u>4</u>				
AUDT-6 AUDT-7	Can audit logs be monitored/reviewed by owner/operator? Are audit logs protected from modification?	Yes Yes	-		Section 5.2. AUDT	AU-2	None
AUDT-7 AUDT-7.1	Are audit logs protected from modification? Are audit logs protected from access?	Yes	-		Section 5.2, AUD1	AU-2	wone
AUDT-8	Can audit logs be analyzed by the device?	Yes	_		Section 5.2, AUDT	AU-2	None
Audit Controls Notes							
	2) All events are stored in the Windows Event Log. Windows prov	vides some controls for defining which events a	are recorded.				

All events are stored in the Windows Event Log. Windows provides some controls for defining which events are recorded.
 Windows Event Forwarding may be used to forwarded events from the Windows Event Log to a SIEM.
 Only Administrators may view the Windows Event Log. Windows Protected Event Logging (PEL) may be used to encrypt the event log.

AUTHOR	IZATIC	DN (AU	ITH)

	AUTHORIZATION (AUTH)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to determine the authorization of users.					
AUTH-1	Does the device prevent access to unauthorized users through user login requirements or other mechanism?	Yes		Section 5.3, AUTH	IA-2	A.9.2.1
			—			
AUTH-1.1	Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)?	Yes	_	Section 5.3, AUTH	IA-2	A.9.2.1
-	Can the customer push group policies to the device (e.g., Active					
AUTH-1.2	Directory)? Are any special groups, organizational units, or group policies	Yes	5	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-1.3	required?	No	<u>6</u>	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-2	Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)?	Yes	_	Section 5.3, AUTH	IA-2	A.9.2.1
	Can the device owner/operator grant themselves unrestricted					
	administrative privileges (e.g., access operating system or					
AUTH-3	application via local root or administrator account)?	Yes	_	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-4	Does the device authorize or control all API access requests?	Yes	_	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-5	Does the device run in a restricted access mode, or 'kiosk mode', by default?	Yes	7			
Authorization Note		165	1			

5) Refer to group policy documentation for a list of permissable group policy changes.
 6) Any required group policies are already applied to the medical device. Refer to documentation for the potential impact of changing these group policies. The required local windows user groups are already configured on the medical device. Domain groups must be mapped to local groups to assign user roles.

	ImageView Version 1.0 Build 1.9			
	Carestream DRX-Revolution			
	Carestream DRX-Evolution			
	Carestream DRX-Evolution Plus			
	Carestream DRX-Revolution Nano			
	Carestream DRX-Ascend			
	Carestream DRX In-room			
	Carestream DRX-Transportable / Lite			
	Carestream DRX-Mobile			
Carestream Health, In	Carestream DRX-Compass	AL6111	22	-Apr-2021

7) The device starts in a full screen application mode, although non-adminstrator users may exit to a highly controlled desktop.

	CYBER SECURITY PRODUCT UPGRADES (CSUP) The ability of on-site service staff, remote service staff, or			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4
	authorized customer staff to install/upgrade device's security				
	patches. Does the device contain any software or firmware which may				
	require security updates during its operational life, either from				
	the device manufacturer or from a third-party manufacturer of the software/firmware? If no, answer "N/A" to questions in this				
CSUP-1	section.	Yes	_		
CSUP-2	Does the device contain an Operating System? If yes, complete 2.1-2.4.	Yes	_		
	Den the device device statics are ide instructions for				
CSUP-2.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	Yes	_		
CSUP-2.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	No			
	Does the device have the capability to receive remote installation		_		
CSUP-2.3	of patches or software updates?	Yes	-		
	Does the medical device manufacturer allow security updates				
CSUP-2.4	from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	No	8		
CSUP-3	Does the device contain Drivers and Firmware? If yes, complete 3.1-3.4.	Yes			
C30F-5	5.1°5.4.	TES	-		
CSUP-3.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	Yes			
	Does the device require vendor or vendor-authorized service to		—		
CSUP-3.2	install patches or software updates? Does the device have the capability to receive remote installation	No	-		
CSUP-3.3	of patches or software updates?	Yes	-		
	Does the medical device manufacturer allow security updates				
CSUP-3.4	from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	No	8		
	Does the device contain Anti-Malware Software? If yes, complete		<u>°</u>		
CSUP-4	4.1-4.4.	Yes	<u>9</u>		
	Does the device documentation provide instructions for				
CSUP-4.1	owner/operator installation of patches or software updates? Does the device require vendor or vendor-authorized service to	Yes	—		
CSUP-4.2	install patches or software updates?	Yes	_		
CSUP-4.3	Does the device have the capability to receive remote installation of patches or software updates?	Yes	_		
	Does the medical device manufacturer allow security updates				
	from any third-party manufacturers (e.g., Microsoft) to be				
CSUP-4.4	installed without approval from the manufacturer?	Yes	<u>8, 10</u>		
00110	Does the device contain Non-Operating System commercial off-				
CSUP-5	the-shelf components? If yes, complete 5.1-5.4.	Yes	-		
CSUP-5.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	Yes			
	Does the device require vendor or vendor-authorized service to		—		
CSUP-5.2	install patches or software updates? Does the device have the capability to receive remote installation	No	—		
CSUP-5.3	of patches or software updates?	Yes	_		
	Does the medical device manufacturer allow security updates				
CSUP-5.4	from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	No	8		
0.001-0.4			<u> </u>		
	Does the device contain other software components (e.g., asset management software, license management)? If yes, please				
CSUP-6	provide details or refernce in notes and complete 6.1-6.4.	No	-		
	Does the device documentation provide instructions for				
CSUP-6.1	owner/operator installation of patches or software updates?	N/A	-		
CSUP-6.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	_		
CSUP-6.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A			
	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be				
CSUP-6.4	installed without approval from the manufacturer? Does the manufacturer notify the customer when updates are	N/A	—		
CSUP-7	approved for installation?	Yes	<u>11</u>		
CSUP-8	Does the device perform automatic installation of software updates?	Yes			
	Does the manufacturer have an approved list of third-party		12		
CSUP-9	software that can be installed on the device? Can the owner/operator install manufacturer-approved third-	No	12		
CSUP-10	party software on the device themselves? Does the system have mechanism in place to prevent installation	Yes	<u>12</u>		
CSUP-10.1	of unapproved software?	Yes	_		
CSUP-11	Does the manufacturer have a process in place to assess device vulnerabilities and updates?	Yes			
	Does the manufacturer provide customers with review and				
CSUP-11.1 CSUP-11.2	approval status of updates? Is there an update review cycle for the device?	Yes Yes	<u>11</u> 		
Cybersecurity Produc	t Upgrade Notes:				

ISO 27002:2013

	ImageView Version 1.0 Build 1.9		
	Carestream DRX-Revolution		
	Carestream DRX-Evolution		
	Carestream DRX-Evolution Plus		
	Carestream DRX-Revolution Nano		
	Carestream DRX-Ascend		
	Carestream DRX In-room		
	Carestream DRX-Transportable / Lite		
	Carestream DRX-Mobile		
Carestream Health, In	Carestream DRX-Compass	AL6111	22-Apr-2021

8) Updates to the Operating System, Drivers / Firmware, Carestream software, integrated 3rd party software, and the host-based IDS/IPS policies are validated by Carestream before being made available for installation. Updates may be installed by Carestream service personnel, by customers using the Security Roll-Up (SRU) tool available for download from Carestream's website, or automatically through the Carestream Product Update Server based on WSUS. Contract carestream Service for additional information.

9) Carestream ImageView medical devices include a host-based Intrusion Detection / Prevention System (IDS/IPS) to whitelist and isolate executable software and Windows Defender Anti-Virus with cloud based protection. Updates to the IDS/IPS are typically required only when there are changes to the Carestream software that require an updated whitelist. 10) Updates to Windows Defender policies are automatic. Carestream software is whitelisted to prevent accidental identification as malware.

11) Customers may access the Cybersecurity End User section of the Carestream Service Portal. This provides customers with access to additional product security information, the Security Roll-Up (SRU) Tool to install security patches, and Product Security Advisories. Customers may subscribe to receive automatic email notifications whenever there are new SRU updates or advisories. Contract Carestream Service for access to the Cybersecurity End User section of the Carestream Service Portal.

12) The included host-based IPS whitelists common Anti-Virus software, allowing Windows Defender to be replaced with alternative solutions. Installation of other 3rd party software may be performed by authorized Carestream Service Personnel or may require the customer to first replace Carestream's host-based IPS with an alternative solution.

	HEALTH DATA DE-IDENTIFICATION (DIDT) The ability of the device to directly remove information that allows identification of a person.		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DIDT-1	Does the device provide an integral capability to de-identify personally identifiable information?	Yes	Section 5.6, DIDT	None	ISO 27038
DIDT-1.1	Does the device support de-identification profiles that comply with the DICOM standard for de-identification?	Yes	Section 5.6, DIDT	None	ISO 27038
	DATA BACKUP AND DISASTER RECOVERY (DTBK)		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability to recover after damage or destruction of device data, hardware, software, or site configuration information.				
DTBK-1	Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)?	у No			
DTBK-2	Does the device have a "factory reset" function to restore the original device settings as provided by the manufacturer? Does the device have an integral data backup capability to	Yes	Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-3	removable media? Does the device have an integral data backup capability to	Yes	Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-4	remote storage? Does the device have a backup capability for system	No			
DTBK-5	configuration information, patch restoration, and software restoration?	Yes			
DTBK-6	Does the device provide the capability to check the integrity and authenticity of a backup?	Yes	Section 5.7, DTBK	CP-9	A.12.3.1
	EMERGENCY ACCESS (EMRG) The ability of the device user to access personally identifiable information in case of a medical emergency situation that requires immediate access to stored personally identifiable		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	information. Does the device incorporate an emergency access (i.e. "break-				
EMRG-1	glass") feature? 13) See http://www.medicalimaging.org/wp-content/uploads/20	Yes <u>13</u> 11/02/Break-GlassEmergency_Access_to_Healthcare_Systems.pdf	Section 5.8, EMRG	SI-17	None
	HEALTH DATA INTEGRITY AND AUTHENTICITY (IGAU) How the device ensures that the stored data an the device has not been altered or destroyed in a non-authorized manner and is from the originator.		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
IGAU-1	Does the device provide data integrity checking mechanisms of stored health data (e.g., hash or digital signature)?	Yes	Section 5.9, IGAU	SC-28	A.18.1.3
IGAU-2	Does the device provide error/failure protection and recovery mechanisms for stored health data (e.g., RAID-5)?	No	Section 5.9, IGAU	SC-28	A.18.1.3
	MALWARE DETECTION/PROTECTION (MLDP) The ability of the device to effectively prevent, detect and		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
MLDP-1	remove malicious software (malware). Is the device capable of hosting executable software? Does the device support the use of anti-malware software (or	Yes	Section 5.10, MLDP		
MLDP-2	other anti-malware mechanism)? Provide details or reference in notes.	Yes <u>14</u>	Section 5.10, MLDP	SI-3	A.12.2.1 A.9.2.3, A.9.4.5, A.12.1.2,
MLDP-2.1	Does the device include anti-malware software by default?	Yes	Section 5.10, MLDP	CM-5	A.9.2.3, A.9.4.5, A.12.1.2, A.12.1.4, A.12.5.1
MLDP-2.2	Does the device have anti-malware software available as an option?	No	Section 5.10, MLDP	AU-6	A.12.4.1, A.16.1.2, A.16.1.4
MLDP-2.3	Does the device documentation allow the owner/operator to install or update anti-malware software? Can the device owner/operator independently (re-)configure ant	Yes	Section 5.10, MLDP	CP-10	A.17.1.2
MLDP-2.4	malware settings? Does notification of malware detection occur in the device user	Yes <u>15</u>	Section 5.10, MLDP	AU-2	None
MLDP-2.5	interface? Can only manufacturer-authorized persons repair systems when	Yes			
MLDP-2.6 MLDP-2.7	malware notifications written to a log?	No <u>15</u> Yes			
MLDP-2.7	Are there any restrictions on anti-malware (e.g., purchase,				
	installation configuration scheduling)?				
WILDF=2.6	installation, configuration, scheduling)? If the answer to MLDP-2 is NO, and anti-malware cannot be installed on the device, are other compensating controls in place	Yes <u>15</u>			A.12.6.1, A.14.2.2, A.14.2.3,

	-					
	ImageView Version 1.0 Build 1.9 Carestream DRX-Revolution					
	Carestream DRX-Evolution Carestream DRX-Evolution Plus					
	Carestream DRX-Revolution Nano					
	Carestream DRX-Ascend Carestream DRX In-room					
	Carestream DRX-Transportable / Lite Carestream DRX-Mobile					
Carestream Health, In	Carestream DRX-Compass	AL6111	22-Apr-2021			
	Does the device employ application whitelisting that restricts the					
MLDP-4	software and services that are permitted to be run on the device?	Yes		Section 5.10, MLDP	SI-3	A.12.2.1
MLDP-5	Does the device employ a host-based intrusion detection/prevention system?		_	Section 5.10, MLDP	SI-4	None
	Can the host-based intrusion detection/prevention system be	Yes	-			
MLDP-5.1	configured by the customer? Can a host-based intrusion detection/prevention system be	No	<u>15</u>	Section 5.10, MLDP	CM-7	A.12.5.1
MLDP-5.2 Malware Detection / I	installed by the customer? Protection Notes:	Yes	<u>15</u>	Section 5.10, MLDP		
	14) Carestream ImageView medical devices employ a multi-layere to whitelist and sandbox (limit file and registry access) executable					
	configured to block all ports except those required for the function					
	websites, and USB device (DLP) protection. 15) The Carestream host-based IDS/IPS may not be configured by					
	software may replace the Carestrem IDS/IPS with an alternative se information.	olution using provided configuration guideline	s. Contact Carestream service for additional			
	NODE AUTHENTICATION (NAUT)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to authenticate communication partners/nodes.					
	Does the device provide/support any means of node					
	authentication that assures both the sender and the recipient of data are known to each other and are authorized to receive					
NAUT-1	transferred information (e.g. Web APIs, SMTP, SNMP)? Are network access control mechanisms supported (E.g., does	Yes	<u>16</u>	Section 5.11, NAUT	SC-23	None
NAUTO	the device have an internal firewall, or use a network connection	V		Cashing F 44 MANT	50 F	A.13.1.1, A.13.1.3,
NAUT-2	white list)?	Yes	-	Section 5.11, NAUT	SC-7	A.13.2.1,A.14.1.3
NAUT-2.1	Is the firewall ruleset documented and available for review? Does the device use certificate-based network connection	Yes	-			
NAUT-3 Node Authentication	authentication? Notes:	No	-			
	16) TLS 1.2 is used to secure the web server and Web APIs. The us	ser must provide credentials to access the service	ver. Customers may install and manage their own 3rd			
						100 07000 0040
	CONNECTIVITY CAPABILITIES (CONN) All network and removable media connections must be			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	considered in determining appropriate security controls. This section lists connectivity capabilities that may be present on the					
CONN-1	device. Does the device have hardware connectivity capabilities?	Yes	_			
CONN-1.1 CONN-1.1.1	Does the device support wireless connections? Does the device support Wi-Fi?	See Notes See Notes	<u>17</u> <u>17</u>			
CONN-1.1.1 CONN-1.1.2	Does the device support Bluetooth?	See Notes	<u>17</u> <u>18</u>			
CONN-1.1.3	Does the device support other wireless network connectivity (e.g. LTE, Zigbee, proprietary)?	No	-			
CONN-1.1.4	Does the device support other wireless connections (e.g., custom RF controls, wireless detectors)?	See Notes	<u>19</u>			
CONN-1.2 CONN-1.2.1	Does the device support physical connections? Does the device have available RJ45 Ethernet ports?	Yes See Notes	 20			
CONN-1.2.2	Does the device have available USB ports? Does the device require, use, or support removable memory	See Notes	21			
CONN-1.2.3 CONN-1.2.4	devices? Does the device support other physical connectivity?	See Notes See Notes	22			
	Does the manufacturer provide a list of network ports and		23			
CONN-2	protocols that are used or may be used on the device? Can the device communicate with other systems within the	Yes	-			
CONN-3	customer environment? Can the device communicate with other systems external to the	Yes	-			
CONN-4 CONN-5	customer environment (e.g., a service host)? Does the device make or receive API calls?	See Notes Yes	24			
CONN-6	Does the device require an internet connection for its intended use?	No				
CONN-7	Does the device support Transport Layer Security (TLS)?	Yes	Ξ			
CONN-7.1	Is TLS configurable? Does the device provide operator control functionality from a	Yes				
CONN-8 Connectivity Capabilit	separate device (e.g., telemedicine)? ies Notes:	No	_			
	 WiFi is an available option for Mobile X-Ray systems. Bluetooth is supported only when the optional 2D wireless ba 	rcode scanner is in use				
	19) X-Ray detectors may be used in wired or wireless mode. Wire	less detectors use 802.11g/n.				
	RF is supported only when the optional wireless exposure switch 20) Mobile X-Ray systems have an unused RJ45 port when they ar	e not connected to a wired network.				
	21) Availability of open USB ports is determined by the number of DLP settings may be enabled to prevent the use of removable sto		item.			
	22) Patient data may be saved to CD, DVD, or USB media using the 23) Some platforms may use a serial connection to the X-Ray gene		naging) feature.			
	24) The system may optionally communicate with the Remote Ma		PTC ThingWorx.			
						100 27002 2010
	PERSON AUTHENTICATION (PAUT) The ability to configure the device to authenticate users.			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Does the device support and enforce unique IDs and passwords					
PAUT-1	for all users and roles (including service accounts)?	Yes	-	Section 5.12, PAUT	IA-2	A.9.2.1
	Does the device enforce authentication of unique IDs and					
PAUT-1.1	passwords for all users and roles (including service accounts)? Is the device configurable to authenticate users through an	Yes	-	Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-2	external authentication service (e.g., MS Active Directory, NDS, LDAP, OAuth, etc.)?	Yes		Section 5.12, PAUT	IA-5	A.9.2.1
PAUT-3	Is the device configurable to lock out a user after a certain number of unsuccessful logon attempts?	Yes		Section 5.12, PAUT	IA-2	A.9.2.1
	Are all default accounts (e.g., technician service accounts,		-			A.14.1.1, A.14.2.7, A.14.2.9,
PAUT-4 PAUT-5	administrator accounts) listed in the documentation? Can all passwords be changed?	Yes Yes	Ξ	Section 5.12, PAUT Section 5.12, PAUT	SA-4(5)	A.15.1.2

Manufacturer Disclosure Statement for Medical Device Security – MDS2 AL6111 B

	ImageView Version 1.0 Build 1.9					
	Carestream DRX-Revolution Carestream DRX-Evolution					
	Carestream DRX-Evolution Plus Carestream DRX-Revolution Nano					
	Carestream DRX-Ascend Carestream DRX In-room					
	Carestream DRX-Transportable / Lite					
Carestream Health, In	Carestream DRX-Mobile ₇₁ Carestream DRX-Compass	AL6111	22-Apr-2021			
	Is the device configurable to enforce creation of user account					
0.44 T C	passwords that meet established (organization specific)	u.				
PAUT-6	complexity rules? Does the device support account passwords that expire	Yes	-	Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-7 PAUT-8	periodically? Does the device support multi-factor authentication?	Yes Yes	_			
PAUT-9 PAUT-10	Does the device support single sign-on (SSO)? Can user accounts be disabled/locked on the device?	Yes Yes	—	Section 5.12, PAUT Section 5.12, PAUT	IA-2 IA-2	A.9.2.1 A.9.2.1
PAUT-11	Does the device support biometric controls?	Yes		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-12	Does the device support physical tokens (e.g. badge access)?	Yes	_			
PAUT-13	Does the device support group authentication (e.g. hospital teams)?	Yes	_			
PAUT-14	Does the application or device store or manage authentication credentials?	See Notes	25			
PAUT-14.1 Person Authentication	Are credentials stored using a secure method? n Notes:	Yes	<u>25</u>			
	25) Credentials are managed by the Windows 10 OS or the Active	Directory Domain Service.				
	PHYSICAL LOCKS (PLOK) Physical locks can prevent unauthorized users with physical			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	access to the device from compromising the integrity and confidentiality of personally identifiable information stored on					
	the device or on removable media					
PLOK-1	Is the device software only? If yes, answer "N/A" to remaining questions in this section.	No	_	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
	Are all device components maintaining personally identifiable information (other than removable media) physically secure (i.e.,					
PLOK-2	cannot remove without tools)?	See Notes	<u>26</u>	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
	Are all device components maintaining personally identifiable information (other than removable media) physically secured					
PLOK-3	behind an individually keyed locking device? Does the device have an option for the customer to attach a	See Notes	<u>26</u>	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
PLOK-4 Physical Locks Notes:	physical lock to restrict access to removable media?	See Notes	26	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
Physical Locks Notes.	26) The physical locking characteristics will vary with the X-Ray sy					
	 Mobile Systems: The PC is located behind the covers of the mobile Mobile Retrofit Systems: The PC is mounted to an existing mobility 	le X-Ray system. Tools are required to rem	ove the computer. A cable lock may be used to secure the			
	- In-Room Systems: The PC is located in the control room for an X	-Ray room. A physical lock may be used to	prevent opening the computer case. A cable lock may be	used to secure the computer.		
	ROADMAP FOR THIRD PARTY COMPONENTS IN DEVICE LIFE					
	CYCLE (RDMP) Manufacturer's plans for security support of third-party			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	CYCLE (RDMP) Manufacturer's plans for security support of third-party components within the device's life cycle.			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
RDMD 1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC					
RDMP-1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and	Yes	_	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4 CM-2	ISO 27002:2013
RDMP-1 RDMP-2	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development?		_			
	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure	Yes	-	Section 5.14, RDMP	CM-2	None
	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates?	Yes	-	Section 5.14, RDMP	CM-2	None
RDMP-2	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of	Yes	-	Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8	None A.8.1.1, A.8.1.2
RDMP-2 RDMP-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer valuate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-ol-life?	Yes Yes	-	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software	Yes Yes	-	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3	Manufacturer's plans for security support of third-party components within the device's life cycle. 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by	Yes Yes	-	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists of It be software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports	Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDWP section.	Yes Yes	_	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of poreitonial security planning by the healthcare delivery organization. This section supports controls in the ROMP section. Is the SBOM for this product available? Does the SBOM follow a standard or common method in described for this product available?	Yes Yes Yes Yes	-	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM for this product available? Does the SBOM follow a standard or common method in describing software components identified? Are the devicepoers/manufacturers of the software components	Yes Yes Yes Yes Yes Yes	- - - -	Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-ol-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcore delivery organization. This section supports controls in the RDMP section. Is the SBOM follow a standard or common method in describing software components?	Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM follow a standard or common method in describing software components? Are the developers/manufacturers of the software components	Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of poreitonial security planning by the healthcure delivery organization. This section supports controls in the ROMP section. Is the SBOM follow a standard or common method in describing of tware components identified? Are the asoftware components identified? Are the daylor version numbers of the software components identified? Are standard version numbers of the software components identified? Are and adjor version numbers of the software components identified? Are and adjor version numbers of the software components identified?	Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.2 SBOM-2.3 SBOM-2.4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that <i>are incorporated into the device being</i> <i>described for the purpose of operational security planning by</i> <i>the healthcore</i> delivery organization. This section supports controls in the RDMP section. Is the SBOM for this product available? Does the SBOM follow a standard or common method in describing software components identified? Are the device presymmaticaturers of the software components identified? Are the device presymmaticaturers of the software components identified? Are the device include a command or process method available to generate a list of software components installed on the device?	Yes Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM follow a standard or common method in describing software components? Are the developers/manufacturers of the software components identified? Are the major version numbers of the software components identified? Are any additional descriptive elements identified? Does the device include a command or process method available to generate a list of Software components identified?	Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.2 SBOM-2.3 SBOM-2.4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that <i>are incorporated into the device being</i> <i>described for the purpose of operational security planning by</i> <i>the healthcore</i> delivery organization. This section supports controls in the RDMP section. Is the SBOM for this product available? Does the SBOM follow a standard or common method in describing software components identified? Are the device presymmaticaturers of the software components identified? Are the device presymmaticaturers of the software components identified? Are the device include a command or process method available to generate a list of software components installed on the device?	Yes Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP	CM-2 CM-8 CM-8 CM-8	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.2 SBOM-2.3 SBOM-2.4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer maintain a meb page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOTWARE BILL OF MATERIALS (SDOM) Ists of It the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM for this product available? Does the edvicers/manufacturers of the software components identified? Are the develepers/manufacturers of the software components identified? Are the device include a command or process method available to generate a list of software components installed on the device? Is there an update process for the SBOM?	Yes Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	CM-2 CM-8 CM-8 CM-8 NIST SP 800-53 Rev. 4	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 ISO 27002:2013
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare components identified? A reth software components identified? Are the device pers/manufacturers of the software components identified? Are the device include a command or process method available to generate a list of software components istalled on the device? Is there an update process for the SBOM? SYSTEM AND APPLICATION HARDENING (SAHD) The device's inherent resistance to cyber attacks and malware.	Yes Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	CM-2 CM-8 CM-8 CM-8 MIST SP 800-53 Rev. 4	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 ISO 27002:2013 ISO 27002:2013 A.12.5.1* A.62.2, A.5.2.2, A.13.1.1,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Dees the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists of It was oftware components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Its the SBOM follow a standard or common method in describing software components identified? Are the odivare components identified? Are the major version numbers of the software components identified? Does the device include a command or process method available to generate a list of software components is identified? Does the device include a command or process method available to generate alls of software components is identified? STETM AND APPLICATION HARDENING (SADH) The device's inherent resistance to cyber attacks and malware. Is the device hardened in accordance with any industry standards?	Yes Yes Yes Yes Yes Yes Yes No Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.1, A.15.1.2,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.4 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4 SAHD-1 SAHD-1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM follow a standard or common method in describing software components? Are the software components? Are the aplichard exciptive elements identified? Does the major version numbers of the software components includie: Constrol in the Constructive elements isclentified? Does the device include a command or process method available to generate a list of software components installed on the device? Is there an update process for the SBOM? The device inherent resistance to cyber attacks and malware. Is the device hardened in accordance with any industry standards? Has the device received any cybersecurity certifications? Does the device meloy any mechanisms for software integrity	Yes Yes Yes Yes Yes Yes Yes No Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	CM-2 CM-8 CM-8 CM-8 MIST SP 800-53 Rev. 4	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.12.5.1* A.12.5.1* A.13.2.1, A.13.1.7, None
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists of It the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDWP section. Is the SBOM follow a standard or common method in describing software components? Are the developers/manufacturers of the software components identified? Does the device include a common method in describing software components identified? Are the developers/manufacturers of the software components identified? Does the device include a command or process method available to generate a list of software components installed on the device? Is there an update process for the SBOM? The device's inherent resistance to cyber attacks and malware. Is the device inherent resistance to cyber attacks and malware. Is the device hardened in accordance with any industry standards? Has the device received any cybersecurity certifications? Does the device hardened in accordance with any industry standards?	Yes Yes Yes Yes Yes Yes Yes No Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.1, A.15.1.2,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4 SAHD-1 SAHD-1 SAHD-2 SAHD-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer valuate third-party applications and software components included in the device for secure development practices? Does the manufacturer waintain a web page or other source of information on software support dates and updates? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for this product available? Does the Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for this product available? Does the Bill of Moterial Staffield? Are the toolfware components identified? Are the devicepers/manufacturers of the software components identified? Are the device include a command or process method available to generate a list of software components identified? Does the device include a command or process method available to generate a list of software components installed on the device? is there an update process for the SBOM? SYSTEM AND APPLICATION HARDENING (SAHD) The device's inherent resistance to cyber attacks and malware. Is the device marken any cybersecurity certifications? Does the device employ any mechanisms for software integrity checking.	Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.1, A.15.1.2,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.4 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4 SAHD-1 SAHD-1	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer maintain the device for secure development end-of-life? SOTWARE BILL OF MATERIALS (SDM) Ists off the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the ROMP section. Is the SBoM for this product available? Does the device performand cor process method available to scribing software components identified? Are the devicepers/manufacturers of the software components identified? Are the device include a command or process method available to generate a list of software components installed on the device? Is there an update process for the SBoM? SYSTEM AND APPLICATION HARDENING (SAHD) The device indered on maccordance with any industry standards? Has the device received any cybersecurity certifications? Does the device here being any mechanisms for software integrity checking Does the device employ any mechanisms for software the installed software is manufacturer-authorized?	Yes Yes Yes Yes Yes Yes Yes No Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.1, A.15.1.2,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4 SAHD-1 SAHD-1 SAHD-2 SAHD-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer valuate third-party applications and software components included in the device for secure development practices? Does the manufacturer waintain a web page or other source of information on software support dates and updates? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for this product available? Does the Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for this product available? Does the Bill of Moterial Staffield? Are the toolfware components identified? Are the devicepers/manufacturers of the software components identified? Are the device include a command or process method available to generate a list of software components identified? Does the device include a command or process method available to generate a list of software components installed on the device? is there an update process for the SBOM? SYSTEM AND APPLICATION HARDENING (SAHD) The device's inherent resistance to cyber attacks and malware. Is the device marken any cybersecurity certifications? Does the device employ any mechanisms for software integrity checking.	Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 JSO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.2, A.15.1.2,
RDMP-2 RDMP-3 RDMP-4 SBOM-1 SBOM-2 SBOM-2.1 SBOM-2.2 SBOM-2.3 SBOM-2.4 SBOM-3 SBOM-3 SBOM-4 SAHD-1 SAHD-1 SAHD-2 SAHD-3	Manufacturer's plans for security support of third-party components within the device's life cycle. Was a secure software development process, such as ISO/IEC 27034 or IEC 2304, followed during product development? Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support dates and updates? Does the manufacturer have a plan for managing third-party component end-of-life? SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists oil the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section. Is the SBOM follow a standard or common method in describing software components identified? Are the software components identified? Are the software components identified? Are the wallor version numbers of the software components identified? Does the device include a command or process method available to generate a list of software components installed on the device? Is there an update process for the SBOM? The device is inherent resistance to cyber attacks and malware. Is the device nerginal command or process method available to generate a list of software components installed on the device? Has the device nerginal on the software integrity standards? Has the device energinal y wybersecurity certifications? Does the device indive any unchanisms for software integrity checking Does the device employ any mechanisms for software integrity checking. Does the device employ any mechanisms for software integrity checking.	Yes		Section 5.14, RDMP Section 5.14, RDMP Section 5.14, RDMP IEC TR 80001-2-2:2012	۲۰۰۵ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۲ ۲۰۰۲ ۲۰۰۲	None A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 A.8.1.1, A.8.1.2 ISO 27002:2013 ISO 27002:2013 A.12.5.1* A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.2, J.

Carestream Health, In	IC.
-----------------------	-----

	ImageView Version 1.0 Build 1.9		
	Carestream DRX-Revolution		
	Carestream DRX-Evolution		
	Carestream DRX-Evolution Plus		
	Carestream DRX-Revolution Nano		
	Carestream DRX-Ascend		
	Carestream DRX In-room		
	Carestream DRX-Transportable / Lite		
	Carestream DRX-Mobile		
Carestream Healt	h, In Carestream DRX-Compass	AL6111	
	Can the owner/operator perform software integrity checks (i.e.,		
SAHD-4	verify that the system has not been modified or tampered with)	Yes	
	Is the system configurable to allow the implementation of file-		_
SAHD-5	level, patient level, or other types of access controls?	No	_
SAHD-5.1	Does the device provide role-based access controls?	Yes	
	Are any system or user accounts restricted or disabled by the		
SAHD-6	manufacturer at system delivery?	Yes	_
	Are any system or user accounts configurable by the end user		
SAHD-6.1	after initial configuration?	Yes	_
	Does this include restricting certain system or user accounts,		
SAHD-6.2	such as service technicians, to least privileged access?	Yes	_
	Are all shared resources (e.g., file shares) which are not required		
SAHD-7	for the intended use of the device disabled?	Yes	_
	Are all communication ports and protocols that are not required		
SAHD-8	for the intended use of the device disabled?	Yes	_

		A.6.2.2, A.9.1.2, A.9.4.1,
		A.9.4.4, A.9.4.5, A.13.1.1,
Section 5.15, SAHD	AC-3	A.14.1.2, A.14.1.3, A.18.1.3
Section 5.15, SAHD	CM-7	A.12.5.1*
Section 5.15, SAHD	CM-7	A.12.5.1*
Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
Section 5.15, SAHD	CM-7	A.12.5.1*
Section 5.15, SAHD	CM-7	A.12.5.1*
Section 5.15, SAHD	CM-7	A.12.5.1*
Section 5.15, SAHD	SA-18	None
Section 5.15, SAHD	CM-6	None
Section 5.15, SAHD	SI-2	A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3
	512	

SAND-4	Is the system configurable to allow the implementation of file-	res	-	Section 5.15, SAHD	AC-3	А.
SAHD-5	level, patient level, or other types of access controls?	No		Section 5.15. SAHD	CM-7	
SAHD-5.1	Does the device provide role-based access controls?	Yes	—	Section 5.15, SAHD	CM-7	
	Are any system or user accounts restricted or disabled by the		—			
SAHD-6	manufacturer at system delivery?	Yes		Section 5.15, SAHD	CM-8	
	Are any system or user accounts configurable by the end user		—			
SAHD-6.1	after initial configuration?	Yes		Section 5.15, SAHD	CM-7	
			—			
	Does this include restricting certain system or user accounts,					
SAHD-6.2	such as service technicians, to least privileged access?	Yes		Section 5.15, SAHD	CM-7	
5,410 0.2	Are all shared resources (e.g., file shares) which are not required		—	500001 5.15, 51115	ciii y	
SAHD-7	for the intended use of the device disabled?	Yes		Section 5.15, SAHD	CM-7	
	Are all communication ports and protocols that are not required		—			
SAHD-8	for the intended use of the device disabled?	Yes		Section 5.15, SAHD	SA-18	
			—			
	Are all services (e.g., telnet, file transfer protocol [FTP], internet					
	information server [IIS], etc.), which are not required for the					
SAHD-9	intended use of the device deleted/disabled?	Yes		Section 5.15. SAHD	CM-6	
			—			
	Are all applications (COTS applications as well as OS-included					
	applications, e.g., MS Internet Explorer, etc.) which are not					Α.
SAHD-10	required for the intended use of the device deleted/disabled?	Yes		Section 5.15, SAHD	SI-2	
	Can the device prohibit boot from uncontrolled or removable		—			
	media (i.e., a source other than an internal drive or memory					
SAHD-11	component)?	Yes				
	Can unauthorized software or hardware be installed on the		—			
SAHD-12	device without the use of physical tools?	Yes	27			
	Does the product documentation include information on		_			
SAHD-13	operational network security scanning by users?	Yes				
			—			
SAHD-14	Can the device be hardened beyond the default provided state?	Yes				
SAHD-14.1	Are instructions available from vendor for increased hardening?	No				
	Can the system prevent access to BIOS or other bootloaders					
SHAD-15	during boot?	Yes				
	Have additional hardening methods not included in 2.3.19 been					
SAHD-16	used to harden the device?	Yes	_			
System and Application	on Hardening Notes:					
	27) The host-based IPS prevents installation of unauthorized softw	vare.				
	DLP controls may prevent installation of software from removable	media.				

22-Apr-2021

DLP controls may prevent installation of software from removable media.

	SECURITY GUIDANCE (SGUD)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Availability of security guidance for operator and administrato of the device and manufacturer sales and service.	r				
SGUD-1	Does the device include security documentation for the owner/operator?	Yes	-	Section 5.16, SGUD	AT-2/PL-2	A.7.2.2, A.12.2.1/A.14.1.1
SGUD-2	Does the device have the capability, and provide instructions, f the permanent deletion of data from the device or media?	No	_	Section 5.16, SGUD	MP-6	A.8.2.3, A.8.3.1, A.8.3.2, A.11.2.7 A.9.1.2, A.9.2.3, A.9.4.4,
SGUD-3	Are all access accounts documented? Can the owner/operator manage password control for all	Yes	-	Section 5.16, SGUD	AC-6,IA-2	A.9.1.2, A.9.2.3, A.9.4.4, A.9.4.5/A.9.2.1
SGUD-3.1 SGUD-4	accounts? Does the product include documentation on recommended compensating controls for the device?	Yes	-			
3002-4	compensating controls for the device:	163	_			
	HEALTH DATA STORAGE CONFIDENTIALITY (STCF) The ability of the device to ensure unauthorized access does no compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media.	t		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
STCF-1 STCF-1.1 STCF-1.2	Can the device encrypt data at rest? Is all data encrypted or otherwise protected? Is the data encryption capability configured by default? Are instructions available to the customer to configure	See Notes See Notes No	28 28 —	Section 5.17, STCF	SC-28	A.8.2.3
STCF-1.3 STCF-2 STCF-3 STCF-4 Health Data Stora	encryption? Can the encryption keys be changed or configured? Is the data stored in a database located on the device? Is the data stored in a database external to the device? ge Confidentiality Notes:	No No Yes No		Section 5.17, STCF	SC-28	A.8.2.3
Treast Data Store	28) Data at Rest (DAR) encryption available through BitLocker o	r optional FIPS 140-2 Level 2 ce	tified self-encrypting hard drives on most systems.			
	TRANSMISSION CONFIDENTIALITY (TXCF)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013

CM-7

CM-7

CM-7 CM-7

	TRANSMISSION CONFIDENTIALITY (TXCF)			IEC TR 80001-2-2:2012
	The ability of the device to ensure the confidentiality of			
	transmitted personally identifiable information.			
	Can personally identifiable information be transmitted only via a			
TXCF-1	point-to-point dedicated cable?	Yes	_	Section 5.18, TXCF
	Is personally identifiable information encrypted prior to			
TXCF-2	transmission via a network or removable media?	No	<u>29</u>	Section 5.18, TXCF
	If data is not encrypted by default, can the customer configure			
TXCF-2.1	encryption options?	Yes	<u>29</u>	
	Is personally identifiable information transmission restricted to a			
TXCF-3	fixed list of network destinations?	Yes	_	Section 5.18, TXCF
TXCF-4	Are connections limited to authenticated systems?	No	29	Section 5.18, TXCF
	Are secure transmission methods supported/implemented			
TXCF-5	(DICOM, HL7, IEEE 11073)?	No	_	

29) Network encryption is not enabled by default. Customer may leverage encryption features built into Windows 10 (IPSec / Kerberos) or install 3rd party alternatives / SNMPv3.

A.12.5.1

A.12.5.1

A.12.5.1

A.12.5.1

Carestream Health, Ir	ImageView Version 1.0 Build 1.9 Carestream DRX-Revolution Carestream DRX-Evolution Carestream DRX-Evolution Plus Carestream DRX-Revolution Nano Carestream DRX-Ascend Carestream DRX-Incoportable / Lite Carestream DRX-Transportable / Lite Carestream DRX-Tonsportable / Lite Carestream DRX-Compass TRANSMISSION INTEGRITY (TXIG) The ability of the device to ensure the integrity of transmitted data.	AL6111	22-Apr-2021	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
TXIG-1 TXIG-2	Does the device support any mechanism (e.g., digital signatures) intended to ensure data is not modified during transmission? Does the device include multiple sub-components connected by external cables?	No Yes		Section 5.19, TXIG	SC-8	A.8.2.3, A.13.1.1, A.13.2.1, A.13.2.3, A.14.1.2, A.14.1.3
	REMOTE SERVICE (RMOT) Remote service refers to all kinds of device maintenance activities performed by a service person via network or other			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
RMOT-1	remote connection. Does the device permit remote service connections for device analysis or repair? Does the device allow the owner/operator to initiative remote	Yes			AC-17	A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2
RMOT-1.1 RMOT-1.2	service sessions for device analysis or repair? Is there an indicator for an enabled and active remote session?	Yes No				
RMOT-1.3	Can patient data be accessed or viewed from the device during the remote session?	Yes			AC-17	A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2
RMOT-2 RMOT-3	Does the device permit or use remote service connections for predictive maintenance data? Does the device have any other remotely accessible functionality (e.g. software updates, remote training)?	Yes Yes				