Manufacturer Disclosure Statement for Medical Device Security -- MDS2

Hologic®, Inc.	Unifi Workspace 1.0 or later	RD-04126 Revision 001	5-Mar-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	Hologic®, Inc.	_			
DOC-2	Device Description	Medical Image Review Workstation				
DOC-2 DOC-3	Device Description Device Model	Unifi Workspace 1.0 or later	_			
DOC-4	Document ID	RD-04126 Revision 001	_			
		Boris Polissky				
DOC-5	Manufacturer Contact Information Intended use of device in network-connected	boris.polissky@hologic.com	_			
DOC-6	environment:					
DOC-7	Document Release Date	3/5/2021				
	Coordinated Vulnerability Disclosure: Does the					
DOC-8	manufacturer have a vulnerability disclosure program for this device?	No				
DOC-8	ioi tilis device:	140	_			
	ISAO: Is the manufacturer part of an Information					
DOC-9	Sharing and Analysis Organization?	No	_			
	Diagram: Is a network or data flow diagram available					
	that indicates connections to other system					
DOC-10	components or expected external resources?	Yes, available upon request	_			
	SaMD: Is the device Software as a Medical Device (i.e.					
DOC-11 DOC-11.1	software-only, no hardware)? Does the SaMD contain an operating system?	No N/A	_			
DOC-11.1	Does the SaMD rely on an owner/operator provided	N/A	_			
DOC-11.2	operating 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	_			
		Yes, No, N/A, or				
	MANAGEMENT OF PERSONALLY IDENTIFIABLE	See Note	Note#			
	MANAGEMENT OF PERSONALLY IDENTIFIABLE INFORMATION	See Note	Note #	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	INFORMATION	See Note	Note #	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	INFORMATION Can this device display, transmit, store, or modify	See Note	Note #	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
MPII-1	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic		Note #	IEC TR 80001-2-2:2012		
MPII-1	INFORMATION Can this device display, transmit, store, or modify	See Note Yes	Note #	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
MPII-1 MPII-2	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))?		Note #	IEC TR 80001-2-2:2012		
	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information?	Yes	Note #	IEC TR 80001-2-2:2012	AR-2	A.15.1.4
	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g., electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable	Yes	Note #	IEC TR 80001-2-2:2012	AR-2	A.15.1.4
	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)?	Yes	Note #	IEC TR 80001-2-2:2012	AR-2	A.15.1.4
MPII-2.1	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable	Yes Yes	Note#	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)?	Yes Yes	Note#	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable	Yes Yes	Note#	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHII))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased?	Yes Yes Yes	Note #	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHIJ)? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable	Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHII))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased?	Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHIJ)? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable	Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it	Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHIJ)? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information presistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically	Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2	A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHIJ)? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution?	Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it	Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHIJ)? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally	Yes Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server!?	Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server)? Does the device maintain personally identifiable	Yes Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information presistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? Does the device import/export personally identifiable information device might export personally identifiable information device might export personally identifiable information to a server)? Does the device minimalin personally identifiable information when powered off, or during power service interruptions?	Yes Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4 MPII-2.5	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (e.p. electronic Protected Health Information Prosonally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information persistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server)? Does the device maintain personally identifiable information when powered off, or during power service interruptions? Does the device allow the internal media to be	Yes Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4 A.15.1.4
MPII-2.1 MPII-2.2 MPII-2.3 MPII-2.4 MPII-2.5	INFORMATION Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? Does the device maintain personally identifiable information? Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? Does the device store personally identifiable information presistently on internal media? Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? Does the device store personally identifiable information in a database? Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? Does the device import/export personally identifiable information device might export personally identifiable information device might export personally identifiable information to a server)? Does the device minimalin personally identifiable information when powered off, or during power service interruptions?	Yes Yes Yes Yes Yes Yes Yes Yes	_ _ _	IEC TR 80001-2-2:2012	AR-2 AR-2 AR-2 AR-2	A.15.1.4 A.15.1.4 A.15.1.4 A.15.1.4

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	Does the device allow personally identifiable information records be stored in a separate location from the device's operating system (i.e. secondary					
MPII-2.9	internal drive, alternate drive partition, or remote storage location)? Does the device have mechanisms used for the	Yes			AR-2	A.15.1.4
MPII-3	transmitting, importing/exporting of personally identifiable information? Does the device display personally identifiable	Yes			AR-2	A.15.1.4
MPII-3.1	information (e.g., video display, etc.)?	Yes			AR-2	A.15.1.4
MPII-3.2	Does the device generate hardcopy reports or image containing personally identifiable information?	No			AR-2	A.15.1.4
MPII-3.3	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, CF/SI card, memory stick, etc.)?	D Yes			AR-2	A.15.1.4
IVIPII-5.5	Does the device transmit/receive or import/export personally identifiable information via dedicated cable connection (e.g., RS-232, RS-423, USB, FireWire	_			AN-2	A.15.1.4
MPII-3.4	etc.)? Does the device transmit/receive personally	Yes			AR-2	A.15.1.4
MPII-3.5	identifiable information via a wired network connection (e.g., RJ45, fiber optic, etc.)? Does the device transmit/receive personally	Yes			AR-2	A.15.1.4
MPII-3.6	identifiable information via a wireless network connection (e.g., WiFi, Bluetooth, NFC, infrared, cellular, etc.)? Does the device transmit/receive personally	No			AR-2	A.15.1.4
MPII-3.7	identifiable information over an external network (e.g., Internet)?	No			AR-2	A.15.1.4
MPII-3.8	Does the device import personally identifiable information via scanning a document?	No				
MPII-3.9	Does the device transmit/receive personally identifiable information via a proprietary protocol? Does the device use any other mechanism to	Yes				
MPII-3.10	transmit, import or export personally identifiable information?	No			AR-2	A.15.1.4
Management of Priv	ate Data Notes:				AR-2	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-in user(s) after a predetermined length of inactivity (e.g., auto-logoff, session lock, password					
ALOF-1	protected screen saver)?	Yes		Section 5.1, ALOF	AC-12	None
ALOF-2	Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable	e? Yes		Section 5.1, ALOF	AC-11	A.11.2.8, A.11.2.9
	AUDIT CONTROLS (AUDT)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability to reliably audit activity on the device.					
AUDT-1 AUDT-1.1	Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID?	Yes Yes		Section 5.2, AUDT	AU-1	A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2
AUDT-1.2	Does other personally identifiable information exist in the audit trail?	in Yes		Section 5.2, AUDT	AU-2	None

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	Are events recorded in an audit log? If yes, indicate					
	which of the following events are recorded in the					
AUDT-2	audit log:	Yes		Section 5.2, AUDT	AU-2	None
AUDT-2.1	Successful login/logout attempts?	Yes		Section 5.2, AUDT	AU-2	None
AUDT-2.2	Unsuccessful login/logout attempts?	Yes		Section 5.2, AUDT	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?	Yes		Section 5.2, AUDT	AU-2	None
	Import/export of data from removable media (e.g.	_				
AUDT-2.7	USB drive, external hard drive, DVD)?	Yes		Section 5.2, AUDT	AU-2	None
	Receipt/transmission of data or commands over a	·· =		, ,		
AUDT-2.8	network or point-to-point connection?	Yes		Section 5.2, AUDT	AU-2	None
AUDT-2.8.1	Remote or on-site support?	Yes		Section 5.2, AUDT	AU-2	None
	Application Programming Interface (API) and similar	·· —		, ,		
AUDT-2.8.2	activity?	N/A		Section 5.2, AUDT	AU-2	None
AUDT-2.9	Emergency access?	N/A		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?	No		Section 5.2, AUDT	AU-2	None
	Can the owner/operator define or select which			, ,		
AUDT-3	events are recorded in the audit log?	No		Section 5.2, AUDT	AU-2	None
	Is a list of data attributes that are captured in the			·		
AUDT-4	audit log for an event available?	Yes Available upon request		Section 5.2, AUDT	AU-2	None
AUDT-4.1	Does the audit log record date/time?	Yes		Section 5.2, AUDT	AU-2	None
	Can date and time be synchronized by Network Time					
AUDT-4.1.1	Protocol (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?	Yes				
	Via IHE Audit Trail and Node Authentication (ATNA)					
AUDT-5.2	profile to SIEM?	No				
	Via Other communications (e.g., external service					
AUDT-5.3	device, mobile applications)?	Yes				
	Are audit logs encrypted in transit or on storage					
AUDT-5.4	media?	Yes				
	Can audit logs be monitored/reviewed by					
AUDT-6	owner/operator?	Yes				
AUDT-7	Are audit logs protected from modification?	Yes		Section 5.2, AUDT	AU-2	None
AUDT-7.1	Are audit logs protected from access?	Yes				
AUDT-8	Can audit logs be analyzed by the device?	No		Section 5.2, AUDT	AU-2	None
	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 (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.				
	Does the device prevent access to unauthorized users				
	through user login requirements or other				
AUTH-1	mechanism?	Yes	Section 5.3, AUTH	IA-2	A.9.2.1
	Can the device be configured to use federated				
	credentials management of users for authorization				
AUTH-1.1	(e.g., LDAP, OAuth)?	Yes Note 7	Section 5.3, AUTH	IA-2	A.9.2.1
	Can the customer push group policies to the device				
AUTH-1.2	(e.g., Active Directory)?	Yes	Section 5.3, AUTH	IA-2	A.9.2.1
	Are any special groups, organizational units, or group				
AUTH-1.3	policies required?	Yes Note 11	Section 5.3, AUTH	IA-2	A.9.2.1
	Can users be assigned different privilege levels based				
	on 'role' (e.g., user, administrator, and/or service,				
AUTH-2	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				
AUTH-3	operating system or application via local root or administrator account)?	Yes	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-3	Does the device authorize or control all API access	res —	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-4	requests?	Yes	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-4	Does the device run in a restricted access mode, or	res —	Section 5.5, AOTH	IA-Z	A.9.2.1
AUTH-5	'kiosk mode', by default?	Yes			
MUIII-J	Klosk Hloue , by delault:	_			

	CYBER SECURITY PRODUCT UPGRADES (CSUP)		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of on-site service staff, remote service				
	staff, or 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				
CSUP-1	in this section.	Yes			
	Does the device contain an Operating System? If yes,				
CSUP-2	complete 2.1-2.4.	Yes			
	Does the device documentation provide instructions				
	for owner/operator installation of patches or				
CSUP-2.1	software updates?	Yes			
	Does the device require vendor or vendor-authorized				
CSUP-2.2	service to install patches or software updates?	No			
CSO: E.E	service to instail pateries or software apactes.	_			
	Does the device have the capability to receive remote				
CSUP-2.3	installation of patches or software updates?	Yes			
	Does the medical device manufacturer allow security				
	updates from any third-party manufacturers (e.g.,				
65110.0.4	Microsoft) to be installed without approval from the	u.			
CSUP-2.4	manufacturer?	Yes			
CSUP-3	Does the device contain Drivers and Firmware? If yes, complete 3.1-3.4.	Yes			
C30F-3	Does the device documentation provide instructions				
	for owner/operator installation of patches or				
CSUP-3.1	software updates?	No			
		_			
	Does the device require vendor or vendor-authorized				
CSUP-3.2	service to install patches or software updates?	Yes			
00110 0 0	Does the device have the capability to receive remote				
CSUP-3.3	installation of patches or software updates? Does the medical device manufacturer allow security	Yes			
	updates from any third-party manufacturers (e.g.,				
	Microsoft) to be installed without approval from the				
CSUP-3.4	manufacturer?	No			
	Does the device contain Anti-Malware Software? If				
CSUP-4	yes, complete 4.1-4.4.	Yes Note 2			
	Does the device documentation provide instructions				
00110 4.4	for owner/operator installation of patches or				
CSUP-4.1	software updates?	Yes Note 2			
	Does the device require vendor or vendor-authorized				
CSUP-4.2	service to install patches or software updates?	See Notes Note 2			
	Does the device have the capability to receive remote				
CSUP-4.3	installation of patches or software updates?	Yes Note 2			
	Does the medical device manufacturer allow security				
	updates from any third-party manufacturers (e.g.,				
CSUP-4.4	Microsoft) to be installed without approval from the manufacturer?	See Notes Note 2			
C30F-4.4	Does the device contain Non-Operating System	Note 2			
	commercial off-the-shelf components? If yes,				
CSUP-5	complete 5.1-5.4.	Yes			
	Does the device documentation provide instructions	-			
	for owner/operator installation of patches or				
CSUP-5.1	software updates?	No			
CSUP-5.2	Does the device require vendor or vendor-authorized	Vos			
C3UP-5.2	service to install patches or software updates?	Yes			

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	Does the device have the capability to receive remote				
CSUP-5.3	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 installed without approval from the				
CSUP-5.4	manufacturer?	No	_		
	Does the device contain other software components				
	(e.g., asset management software, license				
	management)? If yes, please provide details or				
CSUP-6	refernce in Notes and complete 6.1-6.4.	No	_		
	Does the device documentation provide instructions				
COLUM C 4	for owner/operator installation of patches or				
CSUP-6.1	software updates?	N/A	_		
coup c p	Does the device require vendor or vendor-authorized				
CSUP-6.2	service to install patches or software updates?	N/A	_		
	Donatha da ian hawatha annahilita ta maali waxaa a				
CCUP C 2	Does the device have the capability to receive remote installation of patches or software updates?				
CSUP-6.3	Does the medical device manufacturer allow security	N/A	_		
	updates from any third-party manufacturers (e.g.,				
	Microsoft) to be installed without approval from the				
CSUP-6.4	manufacturer?	N/A			
C30F-0.4	Does the manufacturer notify the customer when	N/A	_		
CSUP-7	updates are approved for installation?	Yes			
C30F-7	Does the device perform automatic installation of	165	_		
CSUP-8	software updates?	No			
C30F-6	software updates:	NO	_		
	Does the manufacturer have an approved list of third-	_			
CSUP-9	party software that can be installed on the device?	Yes	Note 2		
CSOI S	Can the owner/operator install manufacturer-	163	Note 2		
	approved third-party software on the device				
CSUP-10	themselves?	Yes	Note 2		
	Does the system have mechanism in place to prevent				
CSUP-10.1	installation of unapproved software?	No			
	Does the manufacturer have a process in place to		_		
CSUP-11	assess device vulnerabilities and updates?	Yes	Note 3		
	Does the manufacturer provide customers with				
CSUP-11.1	review and approval status of updates?	Yes			
CSUP-11.2	Is there an update review cycle for the device?	Yes	_		
	an apaate review eyele for the device:		_		

	HEALTH DATA DE-IDENTIFICATION (DIDT)		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to directly remove information that allows identification of a person.				
DIDT-1	Does the device provide an integral capability to de- identify personally identifiable information? Does the device support de-identification profiles	Yes	Section 5.6, DIDT	None	ISO 27038
PAUT-14.1	that comply with the DICOM standard for de- identification?	Yes	Section 5.6, DIDT	None	ISO 27038
	DATA BACKUP AND DISASTER RECOVERY (DTBK) The ability to recover after damage or destruction of device data, hardware, software, or site configuration information.		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DTBK-1	Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)?	No			

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DTBK-2	Does the device have a "factory reset" function to restore the original device settings as provided by the manufacturer?	e Yes	_		Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-3	Does the device have an integral data backup capability to removable media?	Yes	Note 6		Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-4	Does the device have an integral data backup capability to remote storage? Does the device have a backup capability for system configuration information, patch restoration, and	Yes	Note 6				
DTBK-5	software restoration?	Yes					
DTBK-6	Does the device provide the capability to check the integrity and authenticity of a backup?	No	_		Section 5.7, DTBK	CP-9	A.12.3.1
	EMERGENCY ACCESS (EMRG)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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 information.						
EMRG-1	Does the device incorporate an emergency access (i.e. "break-glass") feature?	No	_		Section 5.8, EMRG	SI-17	None
	HEALTH DATA INTEGRITY AND AUTHENTICITY (IGAU)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	How the device ensures that the stored data on the device has not been altered or destroyed in a non-authorized manner and is from the originator. Does the device provide data integrity checking						
IGAU-1	mechanisms of stored health data (e.g., hash or digital signature)? Does the device provide error/failure protection and recovery mechanisms for stored health data (e.g.,	No	_		Section 5.9, IGAU	SC-28	A.18.1.3
IGAU-2	RAID-5)?	No	_		Section 5.9, IGAU	SC-28	A.18.1.3
	MALWARE DETECTION/PROTECTION (MLDP)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to effectively prevent, detect and remove malicious software (malware).						
MLDP-1	Is the device capable of hosting executable software:	? Yes	_		Section 5.10, MLDP		
MLDP-2	Does the device support the use of anti-malware software (or other anti-malware mechanism)? Provide details or reference in Notes.	Yes			Section 5.10, MLDP	SI-3	A.12.2.1
	Does the device include anti-malware software by		_		·		A.9.2.3, A.9.4.5, A.12.1.2,
MLDP-2.1	default? Does the device have anti-malware software available		Note 2		Section 5.10, MLDP	CM-5	A.12.1.4, A.12.5.1
MLDP-2.2	as an option? Does the device documentation allow the owner/operator to install or update anti-malware	Yes	Note 2		Section 5.10, MLDP	AU-6	A.12.4.1, A.16.1.2, A.16.1.4
MLDP-2.3	software? Can the device owner/operator independently (re-	Yes	_		Section 5.10, MLDP	CP-10	A.17.1.2
MLDP-2.4)configure anti-malware settings?	Yes	_		Section 5.10, MLDP	AU-2	None
MLDP-2.5	Does notification of malware detection occur in the device user interface?	No					
MLDP-2.6 MLDP-2.7	Can only manufacturer-authorized persons repair systems when malware has been detected? Are malware notifications written to a log?	Yes Yes	Note 4				
MLDP-2.8	Are there any restrictions on anti-malware (e.g., purchase, installation, configuration, scheduling)?	Yes					

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MLDP-3	If the answer to MLDP-2 is NO, and anti-malware cannot be installed on the device, are other compensating controls in place or available?	N/A	_		Section 5.10, MLDP	SI-2	A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3
MLDP-4	Does the device employ application whitelisting that restricts the software and services that are permitted to be run on the device?		_		Section 5.10, MLDP	SI-3	A.12.2.1
MLDP-5	Does the device employ a host-based intrusion detection/prevention system?	No	_		Section 5.10, MLDP	SI-4	None
MLDP-5.1	Can the host-based intrusion detection/prevention system be configured by the customer?	N/A	_		Section 5.10, MLDP	CM-7	A.12.5.1
MLDP-5.2	Can a host-based intrusion detection/prevention system be installed by the customer?	No	_		Section 5.10, MLDP		
	NODE AUTHENTICATION (NAUT) The ability of the device to authenticate communication partners/nodes.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
NAUT-1	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 transferred information (e.g. Web APIs, SMTP, SMMP)?	Yes			Section 5.11, NAUT	SC-23	None
10.0.1	Are network access control mechanisms supported	ies	_		5000015121,14101	30.23	None
NAUT-2	(E.g., does the device have an internal firewall, or use a network connection white list)?	Yes			Section 5.11, NAUT	SC-7	A.13.1.1, A.13.1.3, A.13.2.1,A.14.1.3
NAUT-2.1	Is the firewall ruleset documented and available for review?	Yes	Available upon request				
NAUT-3	Does the device use certificate-based network connection authentication?	No	_				
	CONNECTIVITY CAPABILITIES (CONN) All network and removable media connections must be considered in determining appropriate security controls. This section lists connectivity capabilities that may be present on the device.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
CONN-1	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?	No No	_				
CONN-1.1.2	Does the device support Bluetooth?	No	_				
CONN-1.1.3	Does the device support other wireless network connectivity (e.g. LTE, Zigbee, proprietary)?	No	_				
CONN-1.1.4 CONN-1.2	Does the device support other wireless connections (e.g., custom RF controls, wireless detectors)? Does the device support physical connections?	No Yes					
CONN-1.2.1 CONN-1.2.2	Does the device have available RJ45 Ethernet ports? Does the device have available USB ports? Does the device require, use, or support removable	Yes Yes	Ξ				
CONN-1.2.3	memory devices?	Yes	For import/export				
CONN-1.2.4	Does the device support other physical connectivity? Does the manufacturer provide a list of network port		-				
CONN-2	and protocols that are used or may be used on the device?	Yes	Available Upon Request				
CONN-3	Can the device communicate with other systems within the customer environment? Can the device communicate with other systems	Yes	_				
CONN-4	external to the customer environment (e.g., a service host)?	Yes	_				

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CONN-5	Does the device make or receive API calls? Does the device require an internet connection for its	Yes	-				
CONN-6	intended use? Does the device support Transport Layer Security	No	_				
CONN-7	(TLS)?	Yes	Note 5				
CONN-7.1	Is TLS configurable? Does the device provide operator control	Yes	Note 5				
	functionality from a separate device (e.g.,						
CONN-8	telemedicine)?	No	_				
	PERSON AUTHENTICATION (PAUT)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability to configure the device to authenticate users.						
	Does the device support and enforce unique IDs and						
PAUT-1	passwords 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						
PAUT-1.1	and passwords for all users and roles (including service accounts)?	Yes	_		Section 5.12, PAUT	IA-2	A.9.2.1
	Is the device configurable to authenticate users through an external authentication service (e.g., MS						
PAUT-2	Active Directory, NDS, LDAP, OAuth, etc.)?	Yes	Note 7		Section 5.12, PAUT	IA-5	A.9.2.1
	Is the device configurable to lock out a user after a						
PAUT-3	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, administrator accounts) listed in the						A.14.1.1, A.14.2.7, A.14.2.9,
PAUT-4 PAUT-5	documentation?	No Yes	_		Section 5.12, PAUT Section 5.12, PAUT	SA-4(5)	A.15.1.2
PAUI-5	Can all passwords be changed?	res	_		Section 5.12, PAUT		
	Is the device configurable to enforce creation of user account passwords that meet established						
PAUT-6	(organization specific) complexity rules?	Yes	_		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-7	Does the device support account passwords that expire periodically?	Yes					
			_				
PAUT-8 PAUT-9	Does the device support multi-factor authentication? Does the device support single sign-on (SSO)?	No Yes	— Note 7		Section 5.12, PAUT	IA-2	A.9.2.1
			Tiote /				
PAUT-10 PAUT-11	Can user accounts be disabled/locked on the device? Does the device support biometric controls?	Yes No	_		Section 5.12, PAUT Section 5.12, PAUT	IA-2 IA-2	A.9.2.1 A.9.2.1
	Does the device support physical tokens (e.g. badge		_		,		
PAUT-12	access)? Does the device support group authentication (e.g.	No	_				
PAUT-13	hospital teams)?	Yes	_				
PAUT-14	Does the application or device store or manage authentication credentials?	Yes	Note 12				
PAUT-14.1	Are credentials stored using a secure method?	Yes	Note 12				
	PHYSICAL LOCKS (PLOK)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Physical locks can prevent unauthorized users with physical access to the device from compromising the						
	integrity and confidentiality of personally identifiable						
	information stored on the device or on removable media						
	Is the device software only? If yes, answer "N/A" to						
PLOK-1	remaining questions in this section. Are all device components maintaining personally	No	_		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
	identifiable information (other than removable						
PLOK-2	media) physically secure (i.e., cannot remove without tools)?	Yes			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					-17	,,
	identifiable information (other than removable media) physically secured behind an individually						
PLOK-3	keyed locking device?	No	_		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3

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PLOK-4	Does the device have an option for the customer to attach a physical lock to restrict access to removable media?	No		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
	ROADMAP FOR THIRD PARTY COMPONENTS IN DEVICE LIFE CYCLE (RDMP)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Manufacturer's plans for security support of third- party components within the device's life cycle.					
RDMP-1	Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development?	Yes <u> </u>		Section 5.14, RDMP	CM-2	None
RDMP-2	Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices?	Yes		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDMP-3	Does the manufacturer maintain a web page or other source of information on software support dates and updates?	Yes		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDMP-4	Does the manufacturer have a plan for managing third-party component end-of-life?	Yes		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
	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			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
CDOM 4	organization. This section supports controls in the RDMP section.	V				
SBOM-1 SBOM-2	Is the SBoM for this product available? Does the SBoM follow a standard or common method in describing software components?	Yes				
SBOM-2.1	Are the software components identified? Are the developers/manufacturers of the software	Yes				
SBOM-2.2 SBOM-2.3	components identified? Are the major version numbers of the software components identified?	Yes				
SBOM-2.4	Are any additional descriptive elements identified? Does the device include a command or process	Yes				
SBOM-3 SBOM-4	method available to generate a list of software components installed on the device? Is there an update process for the SBoM?	No Yes				
		_				
	SYSTEM AND APPLICATION HARDENING (SAHD) The device's inherent resistance to cyber attacks and malware.			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013 A.12.5.1*
SAHD-1	Is the device hardened in accordance with any industry standards?	Yes		Section 5.15, SAHD	AC-17(2)/IA-3	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,
SAHD-2	Has the device received any cybersecurity certifications? Does the device employ any mechanisms for software	No		Section 5.15, SAHD	SA-12(10)	A.14.2.7, A.15.1.1, A.15.1.2, A.15.1.3
SAHD-3	integrity checking Does the device employ any mechanism (e.g., release specific hash key, checksums, digital signature, etc.) to ensure the installed software is manufacturer-	Yes				
SAHD-3.1	authorized? Does the device employ any mechanism (e.g., release specific hash key, checksums, digital signature, etc.) to ensure the software updates are the manufacturer					
SAHD-3.2	authorized updates?	Yes		Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
SAHD-4	Can the owner/operator perform software integrity checks (i.e., verify that the system has not been modified or tampered with)?	Yes		Section 5.15, SAHD	AC-3	A.6.2.2, A.9.1.2, A.9.4.1, A.9.4.4, A.9.4.5, A.13.1.1, A.14.1.2, A.14.1.3, A.18.1.3

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SAHD-5	Is the system configurable to allow the implementation of file-level, patient level, or other types of access controls?	No			Section 5.15, SAHD	CM-7	A.12.5.1*
			_				
SAHD-5.1	Does the device provide role-based access controls?	Yes	_		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-6	Are any system or user accounts restricted or disabled by the manufacturer at system delivery? Are any system or user accounts configurable by the	No	_		Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
SAHD-6.1	end user after initial configuration? Does this include restricting certain system or user	Yes	_		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-6.2	accounts, such as service technicians, to least privileged access? Are all shared resources (e.g., file shares) which are	Yes	Note 8		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-7	not required for the intended use of the device disabled? Are all communication ports and protocols that are	Yes	_		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-8	not required for the intended use of the device disabled? Are all services (e.g., telnet, file transfer protocol	Yes	_		Section 5.15, SAHD	SA-18	None
SAHD-9	[FTP], internet information server [IIS], etc.], which are not required for the intended use of the device deleted/disabled? Are all applications (COTS applications as well as OS-	Yes	_		Section 5.15, SAHD	CM-6	None
	included applications, e.g., MS Internet Explorer, etc. which are not required for the intended use of the)					A.12.6.1, A.14.2.2, A.14.2.3,
SAHD-10	device deleted/disabled?	No	_		Section 5.15, SAHD	SI-2	A.16.1.3
SAHD-11	Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an interna drive or memory component)?	al Yes					
	Can unauthorized software or hardware be installed		_				
SAHD-12	on the device without the use of physical tools?	Yes	Note 9				
SAHD-13	Does the product documentation include information on operational network security scanning by users?		_				
SAHD-14	Can the device be hardened beyond the default provided state?	Yes					
	Are instructions available from vendor for increased						
SAHD-14.1	hardening? Can the system prevent access to BIOS or other	Yes	Available upon request				
SHAD-15	bootloaders during boot?	No					
SAHD-16	Have additional hardening methods not included in 2.3.19 been used to harden the device?	No	_				
	SECURITY GUIDANCE (SGUD) Availability of security guidance for operator and administrator of the device and manufacturer sales and service.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
CCUD 4	Does the device include security documentation for	V			Continue E 4.C. COUD	AT 2/01 2	472244224/4444
SGUD-1	the owner/operator? Does the device have the capability, and provide	Yes	_		Section 5.16, SGUD	AT-2/PL-2	A.7.2.2, A.12.2.1/A.14.1.1
SGUD-2	instructions, for the permanent deletion of data from the device or media?	Yes	_		Section 5.16, SGUD	MP-6	A.8.2.3, A.8.3.1, A.8.3.2, A.11.2.7
SGUD-3	Are all access accounts documented? Can the owner/operator manage password control	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	for all accounts?	Yes	_				
SGUD-4	Does the product include documentation on recommended compensating controls for the device:	? N/A	_				

(STCF) IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013

HEALTH DATA STORAGE CONFIDENTIALITY

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	The ability of the device to ensure unauthorized access does not compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media.							
STCF-1 STCF-1.1	Can the device encrypt data at rest? Is all data encrypted or otherwise protected? Is the data encryption capability configured by	Yes Yes	See Note 10		Section 5.17, STCF	SC-28	A.8.2.3	
STCF-1.2	default? Are instructions available to the customer to	Yes						
STCF-1.3	configure encryption?	No						
STCF-2	Can the encryption keys be changed or configured?	No	_		Section 5.17, STCF	SC-28	A.8.2.3	
STCF-3	Is the data stored in a database located on the device?	Yes	_					
STCF-4	Is the data stored in a database external to the device?	No	_					
	TRANSMISSION CONFIDENTIALITY (TXCF)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013	
	The ability of the device to ensure the confidentiality of transmitted personally identifiable information.							
TXCF-1	Can personally identifiable information be transmitted only via a point-to-point dedicated cable	e? Yes	_		Section 5.18, TXCF	CM-7	A.12.5.1	
TXCF-2	Is personally identifiable information encrypted prior to transmission via a network or removable media?				Section 5.18, TXCF	CM-7	A.12.5.1	
TXCF-2.1	If data is not encrypted by default, can the customer configure encryption options?		_		Section 3.15, Their	cm /	, and a second	
TACF-2.1		res	_					
TXCF-3	Is personally identifiable information transmission restricted to a fixed list of network destinations?	Yes	_		Section 5.18, TXCF	CM-7	A.12.5.1	
TXCF-4	Are connections limited to authenticated systems?	No	_		Section 5.18, TXCF	CM-7	A.12.5.1	
TXCF-5	Are secure transmission methods supported/implemented (DICOM, HL7, IEEE 11073)?	No						
1701-3	supported/implemented (Dicowi, ne./, IEEE 110/3):	NO	_					
	TRANSMISSION INTEGRITY (TXIG) The ability of the device to ensure the integrity of transmitted data.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013	
	Does the device support any mechanism (e.g., digital signatures) intended to ensure data is not modified	1					A.8.2.3, A.13.1.1, A.13.2.1,	
TXIG-1	during transmission? Does the device include multiple sub-components	No	_		Section 5.19, TXIG	SC-8	A.13.2.3, A.14.1.2, A.14.1.3	
TXIG-2	connected by external cables?	No	_					
	REMOTE SERVICE (RMOT)				IEC TD 90001 2 2:2012	NICT CD 900 F3 Page 4	150 27002-2012	
					IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013	
	Remote service refers to all kinds of device maintenance activities performed by a service person	n						
	via network or other remote connection. Does the device permit remote service connections						A.6.2.1, A.6.2.2, A.13.1.1,	
RMOT-1	for device analysis or repair? Does the device allow the owner/operator to	Yes	-			AC-17	A.13.2.1, A.14.1.2	
RMOT-1.1	initiative remote service sessions for device analysis or repair?	Yes						
PMOT 1.2	Is there an indicator for an enabled and active remot		_					

A.6.2.1, A.6.2.2, A.13.1.1,

A.13.2.1, A.14.1.2

AC-17

RMOT-1.2

RMOT-1.3

RMOT-2

session?

Can patient data be accessed or viewed from the

device during the remote session?

Does the device permit or use remote service

connections for predictive maintenance data?

No

Yes

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	Does the device have any other remotely accessible				
	functionality (e.g. software updates, remote				
DMOT 2	training)2	Vos			

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IEC TR 80001-2-2:2012 OTHER SECURITY CONSIDERATIONS (OTHR) NIST SP 800-53 Rev. 4 ISO 27002:2013

NONE Notes:

Unifi Workspace 1.0 or later

Patients may be deleted by users with permissions on demand and/or automatically by product application reclaimer. Reclaimer times and thresholds configurable.

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Note 1

Hologic® Inc

Microsoft Windows Defender enabled by default. Option available to install CoTS antimalware products. See product support website for antimalware software solution guidance and a list of folders to exclude from real-time scanning. Malware definitions can be updated by customer at will.

Note 2

Vulnerability assessments, leveraging industry standard tools, and Windows security patch

Note 3 validation occur at regular intervals.

Windows Defender and approved CoTS antimalware Note 4 software typically have a history feature and/or log.

> Hologic Connect leverages an encrypted TLS tunnel for remote Service connectivity. TLS can, optionally, be configured for the product Service Tools configuration web application. External network traffic can also be blocked for Service Tools. Patient study transmission to external devices is done using DICOM, without TLS. Customer may configure TLS at

Note 5 the network layer

> Software databases and configurations are automatically backed up at regular intervals. Patient studies should be stored to long term storage or exported to external media by the customer.

Note 7 Active Directory

Note 6

Note 12

Service users require admin privileges for many of their responsibilities. Customer may customize those privileges or disable service accounts to restrict access, but should communicate these changes to their service representative. Implementing service user restrictions requires customers to provide access as needed for servicing the product.

Note 8

Hardware installation would require tools, software Note 9 would require OS authentication.

Windows BitLocker is enabled. AES-256 encryption is Note 10

Strongly recommend configuring the product in its own Organizational Unit and limiting policy changes

Note 11 pushed to the system.

> Product application leverages Windows Operating System for user authentication. Credentials not stored in application databases. Credentials stored/managed securely via Operating System.

Software Bill of Materials (SBoM)		
Component Name	Developer	Version(s)	Product Use
Cygwin	Open Source	2.8.0	Hologic Connect
OpenSSH	Open Source	7.5p1	Hologic Connect
ronPython	Open Source	2.7.5	Hologic Connect
			Hologic Connect
FightVNC	GlavSoft	2.8.8.0	Configured for localhost connection only.
FireFox Mozilla		85	Unifi Workspace Web Configuration Tool
		11.2214.14393.0	
nternet Explorer 11	Microsoft	11.379.17763.0	Microsoft Edge not available for product OS (IoT).
		LTSB 2016	
Windows 10 IoT Enterprise x64	Microsoft	LTSC 2019	Operating System for Standalone/Client
Microsoft Visual Studio 2017	Microsoft	15.9.23	Development Tool
Python	Python Software Foundation	2.5.1	Development Tool
7-Zip	www.7zip.org	19.00	Zip software
MyDefrag	Jeroen Kessels	4.3.1	Disk management
SQL	Microsoft	13.2.5	Database
Qt	The Qt Company	5.12	Development framework
Barco Video drivers	Barco	v10.184.2.0	Video drivers
Barco Med Self Exam	Barco	6.5.9.0	Barco monitor reporting
Barco QA Web Agent	Barco	1.13.19	Barco Monitor calibration
ava 6	Java	Updates 261	Needed for APC PowerChute
APC Powerchute Business Edition	APC	V 8.5	APC Powerchute UPS configuration
Roxio CD Burner	Roxio	3.3.0	DVD/CD Burner
/isual Studio	Microsoft	2019 16.2	Development framework
aurel Bridge DCF	Laurel Bridge	3.4.20	DICOM Communication
Microsoft .Net Framework	Microsoft	4.6	Development framework
Swagger	Smartbear	2	Development/Test API

Additional Notes

Many of the software components listed above are covered by Hologic's program to regularly validate latest released security patches. See the product support website for the latest validated patches available or contact support for assistance.

Note 1