		Wanuacu		ment for Medical Device	e Security - WDS		
			DEVIC	E DESCRIPTION			
	ce Categ		Manufacturer	Document ID	Document Release	Date	
Mammography System Hologic, Inc			Hologic, Inc	MAN-02859	111/07/2016		
Device Model Software Revision			Software Revision		Software Release D	ate	
Dime	ensions		1.8.4		3/31/2016		
		Company Name		Manufacturer Contact Info	ormation		
	ufacturer	monogie, me		Chris.Fischer@hologic.c	com		
	esentativ	Representative	Name/Position	i			
conta	act Infor	Chris Fischer		1			
nten	ded use	e of device in network-o	onnected environment:				
The I	Hologic	Selenia Dimension		™ system is designed to capture Workstation for diagnosis.	and transmit Conventional	Mammograj	phy
			MANAGEME	ENT OF PRIVATE DATA			
_						Yes, No,	#
	Ref	er to Section 2.3.2 of th	is standard for the proper ir	nterpretation of information reque	ested in this form.	N/A, or	Note
	0					See Note	Z
	[ePHI]		smit, or maintain private da	ata (including electronic Protect	ted Health Information	V	
5			nts that can be maintained l	by the device :		Yes	-
•	B.1			gue identification number)?			
				,		Yes	_
	B.2	Medical record (e.g., r	nedical record #, account #	t, test or treatment date, device	identification number)?		
		D :				Yes	_
	B.3	characteristics)?	c (e.g., photo/radiograph, te	est results, or physiologic data wi	ith identifying		
	D 4		ut optored by device user /	energies?		Yes	_
	B.4 B.5	Biometric data?	xt entered by device user/	operator		Yes See Note	-
	B.6	Personal financial info	rmation?			No	
;	-	aining private data - Ca				110	_
	C.1			nory (i.e., until cleared by power-	off or reset)?	Yes	
	C.2		rsistently on local media?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	Yes	_
	C.3		data with other systems?			Yes	_
	C.4	Maintain private data	during power service interr	ruptions?		Yes	_
)	Mecha	anisms used for the trar	smitting, importing/exportir	ng of private data – Can the dev	vice:		
	D.1	Display private data (e	e.g., video display, etc.)?			Yes	_
	D.2	Generate hardcopy re	ports or images containing	private data?		Yes	_
	D.3			a to removable media (e.g., dis	k, DVD, CD-ROM, tape,		
		CF/SD card, memory				Yes	-
	D.4		port/export private data vi	a dedicated cable connection (e	.g., IEEE 1073, serial port,	V	
		USB, FireWire, etc.)?				Yes	_
	D.5	etc.)?	ate data via a wired networ	k connection (e.g., LAN, WAN, V	VPN, Intranet, Internet,	Yes	
	D.6	,	te dete vie en integrated v	vireless network connection (e.g	WiEi Pluotooth infrored	105	_
	D.0	etc.)?	ale uala via an integrateu v	meless network connection (e.g	., WIFI, DIUELOULII, IIIIIAIEU,	No	
	D.7	Import private data vi	a scanning?			No	
	D.8	Other?	a adammiy.			No	_
	agement te Data i	1. System is cap feature is option store a copy of	al and normal passwords o your fingerprint. Instead, it	ingerprint scanner for user login can be used instead. Per the man makes a map of 25 to 40 uniqu e can only be interpreted by the	ufacturer, the fingerprint sc e features of a fingerprint th	anner does r	not

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Mammography System		Hologic, Inc	MAN-02859	11/07/2016			
Device Model		Software Revision		Software Release D	ate	1	
Dimen	sions	1.8.4	1.8.4 42460				
		SECU	RITY CAPABILITIES				
				and a difference	Yes, No,	# 0	
		2.3.2 of this standard for the proper	r interpretation of information req	uested in this form.	N/A, or See Note	Note	
1	AUTOMATIC LOG The device's ability	OFF (ALOF) <pre>/ to prevent access and misuse by</pre>	unauthorized users if device is l	eft idle for a period of time.			
1-1		configured to force reauthorization ession lock, password protected sc		etermined length of inactivity	Yes		
		h of inactivity time before auto-logo	ff/screen lock user or administrat	or configurable? (Indicate	Yes	1	
	time [fixed or configurable range] in notes.) 1-1.2 Can auto-logoff/screen lock be manually invoked (e.g., via a shortcut key or proximity sensor, etc.) by the						
	user?		ed (e.g., via a shoricul key of pro	iximity sensor, etc.) by the	Yes		
ALOF	1. Inactivity	y logout interval configurable by cu	ustomer.				
notes:							
2	AUDIT CONTROLS	S (AUDT)					
		ly audit activity on the device .					
2-1	Can the medical d	evice create an audit trail?			Yes		
2-2	Indicate which of th	ne following events are recorded in t	the audit log:		100		
	2-2.1 Login/logou	t	-		Yes		
	2-2.2 Display/pres	sentation of data			Yes		
	2-2.3 Creation/mo	odification/deletion of data			Yes		
	2-2.4 Import/expo	ort of data from removable media			Yes		
		nsmission of data from/to external (e.g., network) connection		Yes		
		ote service activity			Yes		
		ts? (describe in the notes section)			N/A	_	
2-3		nation is used to identify individual	events recorded in the audit loa:		14/24	_	
	2-3.1 User ID	, ,			Yes		
	2-3.2 Date/time				Yes		
		available to all Manager level users	through the Hologic software		108	-	
		available to all Manager level user.	s unough the mologie software.				
AUDT notes:							
notes.							
3							
3	AUTHORIZATION The ability of the de	(AUTH) evice to determine the authorization	of users.				
3-1	Can the device pre	event access to unauthorized users	through user login requirements	s or other mechanism?	Yes		
3-2	Can users be assig power users , admi	gned different privilege levels within nistrators, etc.)?	an application based on 'roles' (e.g., guests, regular users ,	Yes		
3-3	Can the device ow	ner/ operator obtain unrestricted ac I root or admin account)?	Iministrative privileges (e.g., acce	ess operating system or	Yes		
AUTH	System sup	ports individual operator accounts new accounts and revoke existing a		chnologic and Manager.) Mar	nager level u	isers	
notes:		iew accounts and revoke existing a					

	Category	Manufacturer	Document ID	Document Releas	e Date	
L	nography System	Hologic, Inc	MAN-02859			
Device Dimen	Model	Software Revision		Software Release	Date	
					Yes, No,	#
	Refer to Section 2.3.2	2 of this standard for the prope	r interpretation of information re-	quested in this form.	N/A, or See Note	Note #
4		SECURITY FEATURES (CNF	-	de		
4-1			capabilities to meet users' need	as.		
4-1	Can the device owner/	operator reconfigure product so	ecunty capabilities?		No	
CNFS notes:						
5		RODUCT UPGRADES (CSUP)				
	The ability of on-site se	rvice staff, remote service staf	f, or authorized customer staff to	o install/upgrade device 's se	curity patches.	
5-1	Can relevant OS and d	evice security patches be appl	lied to the device as they becom	ne available?	No	
	5-1.1 Can security pa	tches or other software be inst	alled remotely?		No	
CSUP notes:		-	dical device, all software update lar basis through tested software	-	idated by the	
6	HEALTH DATA DE-IDE	· · ·				
	The ability of the devic	e to directly remove information	n that allows identification of a p	erson.		
6-1		le an integral capability to de-io			Yes	
DIDT notes:	1. Patient data c	can be de-identified through th	ne standard software			
7	DATA BACKUP AND D	DISASTER RECOVERY (DTB	٢)			
	The ability to recover at	iter damage or destruction of d	levice data, hardware, or softwa	ire.		
7-1	Does the device have a as tape, disk)?	an integral data backup capabi	lity (i.e., backup to remote stora	ge or removable media suc	h No	
DTBK notes:	System only act performed by H		ent data before it is transmitted t	to PACS. Any disaster recov	ery will be	
8	EMERGENCY ACCES	• •				
	The ability of device us private data.	sers to access private data in	case of an emergency situation	that requires immediate acco	ess to stored	
8-1	Does the device incorp	porate an emergency access ("break-glass") feature?		No	
EMRG notes:	i					
9	How the device ensure	RITY AND AUTHENTICITY (IC es that data processed by the d	GAU) levice has not been altered or d	estroyed in an unauthorized	manner and is	from
	the originator.					
9-1	Does the device ensure	e the integrity of stored data wi	ith implicit or explicit error detect	tion/correction technology?	No	_
IGAU notes:	System only act	is as a temporary store of patie	ent data before it is transmitted t	to PACS.		

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Mamn	nography System	Hologic, Inc	MAN-02859	11/07/2016		
Device	Model	Software Revision		Software Release D	ate	
Dimen	sions	1.8.4		42460		
	Refer to Section 2.3	5.2 of this standard for the prope	er interpretation of information req	uested in this form.	Yes, No, N/A, or See Note	Note #
10	MALWARE DETECTI	ON/PROTECTION (MLDP)				
	The ability of the devi	ce to effectively prevent, detect	t and remove malicious software (malware).		
10-1	Does the device supp	ort the use of anti-malware so	oftware (or other anti-malware me	chanism)?	Yes	
		ndependently re-configure anti-	-		Yes	
		on of malware detection occur			No	
	10-1.3 Can only man	Itacturer-authorized persons re	pair systems when malware has b	been detected?	Yes	
10-2	Can the device owner	install or update anti-virus sof	ftware?		Yes	
10-3			y) update virus definitions on man	ufacturer-installed anti-virus		
	software?				Yes	
MLDP notes:		ates most general Anti-Virus/A omatic virus definition updates	nti-Malware packages and provid s are supported.	les instructions for installation	n by the	
11	NODE AUTHENTICA	TION (NAUT)				
	The ability of the devi	ce to authenticate communication	ion partners/nodes.			
11-1			authentication that assures both t o receive transferred information?	he sender and the recipient	No	
NAUT notes:						
12	PERSON AUTHENTIC	CATION (PAUT)				
	Ability of the device to	o authenticate users				
12-1	Does the device supp	ort user/operator -specific use	rname(s) and password(s) for at le	east one user ?	Yes	
- · ·	12-1.1 Does the devic	e support unique user/operate	or-specific IDs and passwords for	multiple users?		
					Yes	
12-2	Can the device be con Directory, NDS, LDAP		through an external authentication	service (e.g., MS Active	No	
12-3			r a certain number of unsuccessfu	l logon attempts?	110	
					Yes	
12-4	Can default password	s be changed at/prior to installa	ation?		Yes	
12-5	Are any shared user I	Ds used in this system?			Yes	1
12-6	Can the device be con rules?	nfigured to enforce creation of u	user account passwords that mee	t established complexity	Yes	2
12-7	Can the device be co	nfigured so that account passw	ords expire periodically?		Yes	
PAUT notes:			e account for system maintenance ore account lockout and password			-
13	PHYSICAL LOCKS (F	²LOK)				
	Physical locks can pre		physical access to the device from le media.	n compromising the integrity a	nd confidenti	iality
13-1	Are all device compor remove without tools) ²	•••	(other than removable media) ph	nysically secure (i.e., cannot	Yes	
PLOK notes:						

Device Category Mammography System		Manufacturer Hologic, Inc	anufacturer Document ID Document Relea plogic, Inc MAN-02859 11/07/2016		Date	
Device Model Dimensions		Software Revision			ate	
			er interpretation of information req	42460 juested in this form.	Yes, No, N/A, or See Note	Note #
14			DEVICE LIFE CYCLE (RDMP) components within device life cy	cle.	See Note	
14-1		at the provided or required (sep	arately purchased and/or delivere		Yes	
14-2	Is a list of other third pa	arty applications provided by th	e manufacturer available?		Yes	
RDMP notes:		dows 7 Professional SP1				
15	SYSTEM AND APPLIC	CATION HARDENING (SAHD)				
	The device 's resistanc	e to cyber attacks and malwa	'e .			
15-1	Does the device emploindustry-recognized ha		Please indicate in the notes the le	evel of conformance to any	Yes	
15-2	program/update is the	manufacturer-authorized progr			No	
15-3			bility (e.g., network, modem, etc.)?		Yes	
15-4	(NTFS) for MS Window	vs platforms)?	level access controls (e.g., New T		Yes	
15-5	applications?		led use of the device disabled or		Yes	
15-6	Are all shared resource	es (e.g., file snares) which are	not required for the intended use	of the device, disabled?	Yes	
15-7			or the intended use of the device		No	
15-8	required for the intend	ed use of the device deleted/o			Yes	
15-9		DTS applications as well as OS intended use of the device of	S-included applications, e.g., MS I leleted/disabled?	nternet Explorer, etc.) which	Yes	
15-10	component)?		e media (i.e., a source other than		Yes	
15-11	tools?		ce manufacturer be installed on th		Yes	
SAHD		evelopment Life Cycle (PDLC hich are incorporated into the	C) of the device incorporates num product design.	erous security scans and other	vulnerabili	ty
16	SECURITY GUIDANC		administrator of the system and	manufacturer sales and servic	е.	
16-1	-	atures documented for the dev	-		No	
16-2	-	ble for device /media sanitizatio	on (i.e., instructions for how to ach	nieve the permanent deletion	Yes	Co
SGUD		es a Cyber Security Best Prac ne Dimensions product.	tices document on its website that	t provides recommendations of	on network	

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Device	Category	Manufacturer	Document ID	Document Release	Date	
Mamn	nography System	Hologic, Inc	MAN-02859	11/07/2016		
Device	Model	Software Revision		Software Release D	Date	
Dimen	sions	1.8.4		42460		
\vdash			r interpretation of information requ		Yes, No, N/A, or	Note #
17					See Note	z
17			F) ss does not compromise the integ	rity and confidentiality of priv	/ate data sto	ored
17-1	Can the device encry	pt data at rest?			Yes	_
STCF notes:			temporary store of ePHI. System Il transmission to PACS, and supp	-	-	
18	TRANSMISSION COM	NFIDENTIALITY (TXCF)				
	The ability of the devi	ce to ensure the confidentiality of	of transmitted private data .			
18-1	Can private data be t	ransmitted only via a point-to-po	bint dedicated cable?		No	
18-2	Is private data encryp	oted prior to transmission via a r	network or removable media? (If y	ves, indicate in the notes		
	which encryption stand				No	
18-3	Is private data transm	nission restricted to a fixed list o	f network destinations?		Yes	
TXCF		configured to only transmit to a ed on a local network.	specific IP addresses. DICOM pro	ovides no native method to e	encrypt data,	but
notes:		ed on a local network.				
19	TRANSMISSION INT					
		ce to ensure the integrity of tran	smitted private data.			
19-1	Does the device supp		ensure data is not modified during	g transmission? (If yes,	No	
TXIG notes:						
20	OTHER SECURITY C	ONSIDERATIONS (OTHR)				
		nsiderations/notes regarding me	edical device security.			
20-1	Can the device be set				Yes	
20-2			ed devices or users or network lo	cations (e.g., specific IP		
	addresses)? 20-2.1 Can the devic	e be configured to require the lo	cal user to accept or initiate remo	ote access?	Yes No	
OTHR notes:						