Manufacturer Disclosure Statement for Medical Device Security – MDS <sup>2</sup>				
DEVICE DESCRIPTION				
Device Category Manufacturer Document ID Document Release Da	ite			
Specimen Radiography System Hologic, Inc MAN-03142 3/12/2015				
Device Model Software Revision Software Release Date				
Trident 1.1 8/14/2012	5			
Company Name   Manufacturer Contact Information   Manufacturer or   Hologic Inc   Greg Amante@hologic.com				
Porte contains				
Contact Information Representative Name/Position				
Greg Amante				
Intended use of device in network-connected environment:				
The Trident Specimen Radiography system is a point of care system used to image surgical and core biopsy specimens. The	Trident sys	stem		
features an intuitive user interface ideal for non-technical operators, with one-touch X-ray automatic exposure control (AEC)	), a lighted			
specimen X-ray chamber and large active imaging area. The system incorporates easy-to-use software with a simple, yet rob	ust tool set	t.		
MANAGEMENT OF PRIVATE DATA	Va - Na	_		
Refer to Section 2.3.2 of this standard for the proper interpretation of information requested in this form.	Yes, No, N/A, or	# Ee		
	See Note	Note		
A Can this device display, transmit, or maintain private data (including electronic Protected Health Information				
[ePHI])?	Yes			
B Types of <b>private data</b> elements that can be maintained by the <b>device</b> :				
B.1 Demographic (e.g., name, address, location, unique identification number)?	Yes			
B.2 Medical record (e.g., medical record #, account #, test or treatment date, <b>device</b> identification number)?	168	_		
inedical record (e.g., medical record #, account #, test of treatment date, <b>device</b> identification number):	Yes			
B.3 Diagnostic/therapeutic (e.g., photo/radiograph, test results, or physiologic data with identifying	103			
characteristics)?	Yes			
B.4 Open, unstructured text entered by device user/operator?	Yes			
B.5 Biometric data?	No			
B.6 Personal financial information?				
C Maintaining <b>private data</b> - Can the <b>device</b> :				
C.1 Maintain <b>private data</b> temporarily in volatile memory (i.e., until cleared by power-off or reset)?	Yes			
C.2 Store private data persistently on local media?	Yes			
C.3 Import/export private data with other systems?	Yes			
C.4 Maintain <b>private data</b> during power service interruptions?	Yes	_		
D Mechanisms used for the transmitting, importing/exporting of <b>private data</b> – Can the <b>device</b> :				
D.1 Display private data (e.g., video display, etc.)?	Yes	_		
D.2 Generate hardcopy reports or images containing <b>private data</b> ?	No	_		
D.3 Retrieve private data from or record private data to removable media (e.g., disk, DVD, CD-ROM, tape, CF/SD card, memory stick, etc.)?	Yes	_		
D.4 Transmit/receive or import/export private data via dedicated cable connection (e.g., IEEE 1073, serial port,				
USB, FireWire, etc.)?	Yes			
D.5 Transmit/receive private data via a wired network connection (e.g., LAN, WAN, VPN, intranet, Internet,				
etc.)?	Yes			
D.6 Transmit/receive private data via an integrated wireless network connection (e.g., WiFi, Bluetooth, infrared,				
etc.)?	Yes			
D.7 Import <b>private data</b> via scanning?	No			
D.8 Other?	No			
Management of				
Private Data notes:				

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		SEC	URITY CAPABILITIES			
-					Yes, No,	#
			er interpretation of information requ	ested in this form.	N/A, or See Note	Note
1	AUTOMATIC LOGOFF (AL	-	v upouthorized upore if dovice is lef	ft idle for a period of time		
			y unauthorized users if device is lef			
1-1	1-1 Can the <b>device</b> be configured to force reauthorization of logged-in <b>user</b> (s) after a predetermined length of (e.g., auto-logoff, session lock, password protected screen saver)?					<u>.</u>
	time [fixed or configu	urable range] in notes.)	off/screen lock <b>user</b> or administrato		Yes	l min
	1-1.2 Can auto-logoff/screuser?	en lock be manually invo	oked (e.g., via a shortcut key or prox	imity sensor, etc.) by the	Yes	
ALOF	Inactivity logout int	erval configurable by cu	stomer.			
notes:						
2	AUDIT CONTROLS (AUDT	<u> </u>				
	The ability to reliably audit a	activity on the <b>device</b> .				
2-1	Can the medical device cre	eate an audit trail?			Yes	
2-2	Indicate which of the followi	ng events are recorded i	n the audit log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/presentation	of data			Yes	
	2-2.3 Creation/modificatio	n/deletion of data			Yes	
	2-2.4 Import/export of data	a from <b>removable medi</b> a	1		Yes	
2-2.5 Receipt/transmission of data from/to external (e.g., network) connection				Yes		
	2-2.5.1 Remote servi	ce activity			Yes	
	2-2.6 Other events? (desc	cribe in the notes section)			N/A	
2-3	Indicate what information is	used to identify individua	al events recorded in the audit log:		17/11	
	2-3.1 <b>User</b> ID	•	· ·		Yes	
	2-3.2 Date/time				Yes	
					103	
AUDT						
notes:						
3	AUTHORIZATION (AUTH)					
	The ability of the device to o		on of users.			
3-1	Can the <b>device</b> prevent acc	cess to unauthorized <b>use</b>	rs through user login requirements of	or other mechanism?	Yes	
3-2	Can <b>users</b> be assigned difference power <b>users</b> , administrators		in an application based on 'roles' (e.	.g., guests, regular <b>users</b> ,	Yes	
3-3	Can the <b>device</b> owner/ <b>oper</b> application via local root or		administrative privileges (e.g., acces	s operating system or	Yes	_
AUTH			ts and differing operator roles (Tech	mologic and Manager.) Mar	nager level u	sers
notes:	can create new acco	ounts and revoke existing	accounts.			

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	Refer to Section 2.3.2 of	this standard for the prope	r interpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #
4	CONFIGURATION OF SEC	CURITY FEATURES (CNF	S)			
	The ability to configure/re-c	onfigure device security	capabilities to meet users' need	ds.		
4-1	Can the <b>device</b> owner/oper	rator reconfigure product s	ecurity capabilities?		No	
CNFS notes:						
5	CYBER SECURITY PROD	UCT UPGRADES (CSUP)				
	The ability of on-site service	e staff, remote service staf	f, or authorized customer staff to	install/upgrade <b>device</b> 's secur	ity patches.	
5-1	Can relevant OS and devic	e security patches be app	lied to the <b>device</b> as they becom	ne available?	No	
	5-1.1 Can security patche	s or other software be inst	alled remotely?		No	
CSUP notes:						
6	HEALTH DATA DE-IDENT	IFICATION (DIDT)				
	The ability of the <b>device</b> to	directly remove information	n that allows identification of a po	erson.		
6-1	Does the <b>device</b> provide ar	n integral capability to de-io	dentify private data?		Yes	_
DIDT notes:						
7	DATA BACKUP AND DISA	•	•			
	The ability to recover after of	damage or destruction of d	levice data, hardware, or softwa	re.		
7-1	Does the <b>device</b> have an in as tape, disk)?	ntegral data backup capabi	lity (i.e., backup to remote storaç	ge or <b>removable media</b> such	No	
DTBK notes:	System only acts as performed by Hologonian		ent data before it is transmitted t	o PACS. Any disaster recovery	y will be	
8	EMERGENCY ACCESS (E	MRG)				
	The ability of <b>device users private data</b> .	to access <b>private data</b> in	case of an emergency situation	that requires immediate access	s to stored	
8-1	Does the <b>device</b> incorporat	e an <b>emergency access</b> (	"break-glass") feature?		No	_
EMRG notes:	:					
9	HEALTH DATA INTEGRIT	-				
	How the <b>device</b> ensures the the originator.	at data processed by the d	levice has not been altered or de	estroyed in an unauthorized ma	anner and is	from
9-1	Does the <b>device</b> ensure the	e integrity of stored data w	ith implicit or explicit error detect	ion/correction technology?	No	_
IGAU notes:						

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Triden		1.1		8/14/2012	ato	
Trider		1.1		0/14/2012	Yes, No,	-41
	Refer to Section 2.3.2 of	this standard for the prope	er interpretation of information reques	sted in this form.	N/A, or	te #
					See Note	Note
10	MALWARE DETECTION/P	ROTECTION (MLDP)				
	The ability of the <b>device</b> to	effectively prevent, detect	t and remove malicious software (ma	lware).		
10-1	Does the <b>device</b> support th	e use of anti-malware so	oftware (or other anti-malware mecha	ınism)?	Yes	
	10-1.1 Can the user independent	endently re-configure anti	-malware settings?		Yes	
	10-1.2 Does notification of	malware detection occur	in the <b>device user</b> interface?		No	
	10-1.3 Can only manufactu	rer-authorized persons re	epair systems when <b>malware</b> has bee	n detected?		
					Yes	_
10-2	Can the device owner insta				Yes	_
10-3	software?	ator (technically/physicall	y) update virus definitions on manufa	cturer-installed anti-virus	Yes	
		nost ganaral Anti Virus//	Anti-Malware packages and provides	instructions for installatio		
MLDP	•	c virus definition updates		mstructions for installatio	ni by the	
notes:	customer. Automati	e virus definition apaates	s are supported.			
11	NODE AUTHENTICATION	(NAUT)				
	The ability of the <b>device</b> to	authenticate communicat	ion partners/nodes.			
11-1	Does the <b>device</b> provide/su	pport any means of node	authentication that assures both the	sender and the recipient		
			o receive transferred information?	·	No	
					NO	
NAUT						
notes:						
12	PERSON AUTHENTICATION	ON (PAUT)				
	Ability of the device to auth	enticate users				
12-1	Does the <b>device</b> support us	ser/operator-specific use	rname(s) and password(s) for at least	t one <b>user</b> ?		
					Yes	
	12-1.1 Does the device sup	port unique user/operato	or-specific IDs and passwords for mul	Itiple users?		
					Yes	
12-2			through an external authentication se	rvice (e.g., MS Active		
	Directory, NDS, LDAP, etc.)				No	_
12-3	Can the <b>device</b> be configur	ed to lock out a <b>user</b> after	r a certain number of unsuccessful log	gon attempts?	NT.	
40.4	One defends a communication	ala ang ang atau da	-there O		No	_
12-4	Can default passwords be d	• .	ation?		Yes No	
12-5 12-6	Are any shared <b>user</b> IDs us	•	user account passwords that meet es	etablished complexity	110	
12-0	rules?	ed to enforce creation or t	user account passwords that meet es	stabilished complexity	Yes	
12-7	Can the <b>device</b> be configur	ed so that account passw	vords expire periodically?		No	
	<b>J</b> .	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,		110	
PAUT						
notes:						
13	PHYSICAL LOCKS (PLOK	.)				
	Physical locks can prevent of <b>private data</b> stored on the		physical access to the <b>device</b> from co <b>le media</b> .	ompromising the integrity a	ind confidenti	iality
13-1	Are all <b>device</b> components	maintaining private data	(other than <b>removable media</b> ) physi	ically secure (i.e., cannot		
	remove without tools)?	- January Sala	(and a substitution of the	, , , , , , , , , , , , , , , , , , , ,	No	
	,					
PLOK						
notes:						

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Trider	'rident 1.1 8/14/2012					
		•			Yes, No,	#
	Refer to Section 2.3.2 of t	his standard for the prope	er interpretation of information red	quested in this form.	N/A, or See Note	Note
14			DEVICE LIFE CYCLE (RDMP)			
	Manufacturer's plans for sec	curity support of 3rd party	components within device life cy	ycle.		
14-1	In the notes section, list the including version number(s)		arately purchased and/or deliver	ed) operating system(s) -	Yes	1
14-2	Is a list of other third party a	pplications provided by th	e manufacturer available?		No	
	Microsoft Windows	7 Professional SP1. No t	hird party software besides the C	OS installed.		
RDMP notes:						
15	SYSTEM AND APPLICATION	ON HARDENING (SAHD)	1			
	The <b>device</b> 's resistance to o	•				
15-1	Does the <b>device</b> employ an industry-recognized hardeni		Please indicate in the notes the le	evel of conformance to any	Yes	
15-2	Does the <b>device</b> employ an program/update is the manu		se-specific hash key, checksums, am or software update?	, etc.) to ensure the installed	No	
15-3		. •	bility (e.g., network, modem, etc.)	?	Yes	
15-4	Does the file system allow to (NTFS) for MS Windows pla		evel access controls (e.g., New 7	Гесhnology File System	Yes	
15-5			led use of the device disabled o	r deleted, for both <b>users</b> and	Yes	_
15-6		g., file shares) which are i	not required for the intended use	e of the device, disabled?	Yes	_
15-7	Are all communication ports	which are not required fo	or the intended use of the device	e closed/disabled?	No	
15-8	Are all services (e.g., telnet, required for the <b>intended</b> us		P], internet information server [IIS disabled?	s], etc.), which are not	Yes	_
15-9	Are all applications (COTS a are not required for the <b>inte</b>		S-included applications, e.g., MS leleted/disabled?	Internet Explorer, etc.) which	Yes	_
	component)?		media (i.e., a source other than		Yes	_
15-11	tools?	•	ce manufacturer be installed on t		Yes	_
SAHD		pment Life Cycle (PDLC are incorporated into the part of the part	c) of the device incorporates num product design.	nerous security scans and othe	r vulnerability	y
16	SECURITY GUIDANCE (So The availability of security g	•	administrator of the system and	manufacturer sales and servic	e.	
16-1	Are security-related features	s documented for the <b>dev</b>	ice user?		No	
16-2	·		on (i.e., instructions for how to ac	hieve the permanent deletion	- 10	
	of personal or other sensitiv	e data)?	tices document on its website that	·	Yes on network	
SGUD			s for sanitation included in user			

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Г	Refer to Section 2.3.2 of	this standard for the prope	er interpretation of information requ	uested in this form.	Yes, No, N/A, or See Note	Note #
17	HEALTH DATA STORAGE The ability of the device to on device or removable m	ensure unauthorized acce	CF) ss does not compromise the integ	grity and confidentiality of <b>pri</b> v		
17-1	Can the <b>device</b> encrypt dat	a at rest?			No	_
STCF notes:			stem can be configured to automa pports manual removal of patient	•	ly after comp	oletion
18	TRANSMISSION CONFIDE	NTIALITY (TXCF)				
	The ability of the <b>device</b> to	ensure the confidentiality	of transmitted private data.			
18-1	Can private data be transm	nitted only via a point-to-po	pint dedicated cable?		No	
18-2	Is <b>private data</b> encrypted p which encryption standard i		network or removable media? (If	yes, indicate in the notes	No	
18-3	Is private data transmission	n restricted to a fixed list o	f network destinations?		Yes	
TXCF notes:	Device can be confi TLS can be used on	· ·	specific IP addresses. DICOM pr	rovides no native method to e	encrypt data,	but
19	TRANSMISSION INTEGRIT		smitted <b>private data</b> .			
19-1	Does the <b>device</b> support ar describe in the notes section	•	ensure data is not modified during	g transmission? (If yes,	No	_
TXIG notes:						
20	OTHER SECURITY CONS	, ,	- No - Laborator			
00.4	Additional security conside		edical device security.			
20-1	Can the <b>device</b> be serviced	•			Yes	
20-2	addresses)?		ed devices or <b>users</b> or network lo		Yes	
	20-2.1 Can the <b>device</b> be o	configured to require the lo	ocal <b>user</b> to accept or initiate remo	ote access?	No	_
OTHR						
notes:						