			tement for Medical Device Security – MDS ²		
			ICE DESCRIPTION		
Devic	ce Cate	•	Document ID Document Release	e Date	
		Hologic, Inc	MAN-05343 REV 002 3/31/2020		_
Devic	e Mode	Software Revision	Software Release	Date	
Ceno	va	 ALL	N/A		
		Company Name	Manufacturer Contact Information		_
	ıfactureı	_ 8 /	boris.polissky@hologic.com		
	esentati act Infor	-Panracantativa Nama/Pacition			
Conta	act IIIIOI	Boris Polissky /SQA Associate Manager	r		
Inten	ded us	of device in network-connected environment:			_
The C	Cenova	erver uses proprietary software applications dev	veloped by Hologic to assist radiologists in the analysis of de	igital	
mami 	mograpi	y and digital breast tomosynthesis images.			
		MANAGEM	IENT OF PRIVATE DATA		
	Ref	er to Section 2.3.2 of this standard for the proper	interpretation of information requested in this form.	Yes, No, N/A, or	Note #
A	Can t	nis device display transmit or maintain private o	data (including electronic Protected Health Information	See Note	_
	[ePHI		atta (morading electronic i lotected realth information	Yes	
В	_	of private data elements that can be maintained	d by the device :	103	-
	B.1	Demographic (e.g., name, address, location, ur	•	Yes	
	B.2		t #, test or treatment date, device identification number)?		
		, -	,	Yes	
	B.3	Diagnostic/therapeutic (e.g., photo/radiograph,	test results, or physiologic data with identifying		
		characteristics)?		Yes	_
	B.4	Open, unstructured text entered by device use	r/operator?	No	_
	B.5	Biometric data?		No	_
	B.6	Personal financial information?		No	_
С		aining private data - Can the device :			
	C.1	Maintain private data temporarily in volatile me		Yes	_
	C.2	Store private data persistently on local media?		Yes	_
	C.3	Import/export private data with other systems?		Yes	_
_	C.4	Maintain private data during power service inte	•	Yes	-
D		anisms used for the transmitting, importing/expor	ting of private data – Can the device :	V	
	D.1	Display private data (e.g., video display, etc.)?		Yes	_
	D.2	Generate hardcopy reports or images containing		Yes	_
	D.3	CF/SD card, memory stick, etc.)?	ata to removable media (e.g., disk, DVD, CD-ROM, tape,	No	
	D 4	• • • • • • • • • • • • • • • • • • • •	via dedicated askla sourcetion (s. r. IEEE 1070, soviel north		_
	D.4	USB, FireWire, etc.)?	via dedicated cable connection (e.g., IEEE 1073, serial port,	Yes	_
	D.5	Transmit/receive private data via a wired network etc.)?	ork connection (e.g., LAN, WAN, VPN, intranet, Internet,	Yes	_
	D.6	Transmit/receive private data via an integrated infrared, etc.)?	d wireless network connection (e.g., WiFi, Bluetooth,	See Note	1
	D.7	Import private data via scanning?		No	
	D.8	Other?		No	
	agement te Data	of transmitting data.	ferred network connection. Cenova does not check for conn	ection type w	hen

Davisa	Catamami	*NA and of a stress of	De aum ant ID	Decument Deleges	Dete	
Device Category		Manufacturer Hologic, Inc	Document ID MAN-05343 REV 002	Document Release 43921	Date	
<u></u>			WAN-03343 KEV 002	/		
Cenov		Software Revision ALL		Software Release D	Jale	
CCHOV	u		DITY CADADU ITIES	1071		
_		3500	RITY CAPABILITIES		Yes, No,	
	Refer to Section 2.3.2	of this standard for the prope	r interpretation of information requeste	ed in this form.	N/A, or See Note	Note #
1	AUTOMATIC LOGOFF (•				
	The device 's ability to pro	event access and misuse by	unauthorized users if device is left id	e for a period of time.		
1-1	•	gured to force reauthorization ff, session lock, password pro	of logged-in user (s) after a predeterrotected screen saver)?	nined length of	Yes	1
			ff/screen lock user or administrator co	onfigurable? (Indicate	No	
		figurable range] in notes.) creen lock be manually invok	ed (e.g., via a shortcut key or proximit	ty sensor etc.) by the	NO	
	user?	5.55.1.55.1.25.1.1a.1.2a.1.j51.	ea (eigi, iia a cheiteatha) ei promin	,, coco., c.c., b,c	No	_
ALOF	1. auto-logoff					
notes:						
2	AUDIT CONTROLS (AU	DT)				
	The ability to reliably aud	•				
2-1	Can the medical device	create an audit trail?			Yes	
2-2	Indicate which of the follo	owing events are recorded in	the audit log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/presentat	ion of data			N/A	_
	2-2.3 Creation/modifica	tion/deletion of data			N/A	_
	2-2.4 Import/export of c	lata from removable media			N/A	_
	2-2.5 Receipt/transmiss	sion of data from/to external (e.g., network) connection		Yes	_
	2-2.5.1 Remote se	rvice activity			Yes	_
	2-2.6 Other events? (de	escribe in the notes section)			No	
2-3	Indicate what information	is used to identify individual	events recorded in the audit log:			
	2-3.1 User ID				Yes	
	2-3.2 Date/time				Yes	_
					100	_
AUDT notes:						
3	AUTHORIZATION (AUT	LIV.				
ľ	AUTHORIZATION (AUTI The ability of the device t	ס) o determine the authorizatior	of users.			
3-1	-		s through user login requirements or o	other mechanism?	Yes	
3-2	Can users be assigned of power users , administration		n an application based on 'roles' (e.g.,	guests, regular users ,	Yes	
3-3	Can the device owner/ operator obtain unrestricted administrative privileges (e.g., access operating system or					
	application via local root	or admin account)?			No	_
AUTH						
notes:						

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Device	e Model	Software Revision		Software Release D	Date	
Cenov	a	ALL		N/A		
-				<u> </u>	Yes, No,	#
			r interpretation of information request	ed in this form.	N/A, or See Note	Note
4		OF SECURITY FEATURES (CNFS				
		ure/re-configure device security c				
4-1	Can the device ow	ner/operator reconfigure product s e	ecurity capabilities?		Yes	
CNFS notes:						
5	CYBER SECURITY	PRODUCT UPGRADES (CSUP)				
	The ability of on-sit	e service staff, remote service staff	, or authorized customer staff to insta	ll/upgrade device 's secu	rity patches.	
5-1	Can relevant OS ar	nd device security patches be appli	ied to the device as they become ava	ailable?	Yes	
	5-1.1 Can securit	y patches or other software be insta	alled remotely?		Yes	
CSUP notes:						
6	HEALTH DATA DE	-IDENTIFICATION (DIDT)				
	The ability of the de	evice to directly remove information	n that allows identification of a person			
6-1	Does the device pr	ovide an integral capability to de-id	lentify private data?		No	_
DIDT notes:						
7	DATA BACKUP A	ND DISASTER RECOVERY (DTB	()			
	The ability to recove	er after damage or destruction of d	evice data, hardware, or software.			
7-1	Does the device has tape, disk)?	ave an integral data backup capabil	lity (i.e., backup to remote storage or	removable media such	No	_
DTBK notes:						
8	EMERGENCY ACC	CESS (EMRG)				
	The ability of devic private data.	e users to access private data in o	case of an emergency situation that r	equires immediate acces	s to stored	
8-1	Does the device in	corporate an emergency access ("break-glass") feature?		Yes	_
EMRG notes:	i					
9	HEALTH DATA IN	TEGRITY AND AUTHENTICITY (IG	GAU)			
	How the device enter the originator.	sures that data processed by the d o	evice has not been altered or destroy	ed in an unauthorized m	anner and is	from
9-1	Does the device er	nsure the integrity of stored data wit	th implicit or explicit error detection/co	orrection technology?	Yes	_
IGAU notes:						

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Device	e Model	Software Revision		Software Release D		
Cenov		ALL		N/A		
Г		<u> </u>	interpretation of information requeste	-	Yes, No, N/A, or See Note	Note #
10	MALWARE DETECTION/	PROTECTION (MLDP)			000 11010	
			nd remove malicious software (malw	/are).		
10-1	• • • • • • • • • • • • • • • • • • • •		vare (or other anti-malware mechan	ism)?	Yes	
		pendently re-configure anti-n	_		Yes	
		f malware detection occur in			Yes	
	10-1.3 Can only manufact	urer-authorized persons repa	air systems when malware has been	detected?	Yes	
10-2	Can the device evener inst	all ar undata anti virua aaft u	ware?		Yes	_
10-2		all or update anti-virus softv	vare : update virus definitions on manufac	turor installed anti	1 03	_
10-3	virus software?	nator (technically/physically)	update virus definitions on mandrac	urer-installed anti-	Yes	
MLDP notes:						
11	NODE AUTHENTICATION	N (NAUT)				
	The ability of the device to	authenticate communication	n partners/nodes.			
11-1	•	• • •	uthentication that assures both the seceive transferred information?	ender and the recipient	Yes	
NAUT notes:						
12	PERSON AUTHENTICAT	•				
	Ability of the device to aut	henticate users				
12-1	Does the device support u	user/operator-specific userna	ame(s) and password(s) for at least of	one user ?	Yes	
	12-1.1 Does the device su	upport unique user/operator-	-specific IDs and passwords for mult	ple users?		
					Yes	
12-2	Can the device be configurable Directory, NDS, LDAP, etc.		rough an external authentication serv	vice (e.g., MS Active	Yes	
12-3	Can the device be configu	red to lock out a user after a	certain number of unsuccessful log	on attempts?		
					No	_
12-4	Can default passwords be	changed at/prior to installation	on?		No	_
12-5	Are any shared user IDs t	ised in this system?			Yes	
12-6	Can the device be configuralles?	ired to enforce creation of us	er account passwords that meet esta	ablished complexity	No	
12-7	Can the device be configu	ured so that account passwor	ds expire periodically?		No	_
PAUT notes:						
13	PHYSICAL LOCKS (PLO	K)				
	-	t unauthorized users with phy the device or on removable	ysical access to the device from con media .	npromising the integrity a	and confidenti	iality
13-1	Are all device components remove without tools)?	s maintaining private data (o	ther than removable media) physica	ally secure (i.e., cannot	Yes	_
PLOK notes:						

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Cenov	a	ALL		N/A		
	Refer to Section 2.3.2 of the	his standard for the prope	er interpretation of information requested	d in this form.	Yes, No, N/A, or See Note	Note #
14	ROADMAP FOR THIRD PA	RTY COMPONENTS IN I	DEVICE LIFE CYCLE (RDMP)			
	Manufacturer's plans for sec	curity support of 3rd party	components within device life cycle.			
14-1	In the notes section, list the including version number(s)		arately purchased and/or delivered) op	erating system(s) -	See Note	1,2, 3
14-2	Is a list of other third party a	pplications provided by th	e manufacturer available?		No	_
RDMP notes:	2. Cenova 3.0 and a	pelow) family of products bove requires only Windo bove requires only Windo		ndows 7		
15	SYSTEM AND APPLICATION	ON HARDENING (SAHD)				
	The device 's resistance to o	yber attacks and malwar	e.			
15-1	Does the device employ any industry-recognized hardeni	=	Please indicate in the notes the level of	conformance to any	No	
15-2	program/update is the manu	facturer-authorized progr		o ensure the installed	No	_
15-3	Does the device have external communication capability (e.g., network, modem, etc.)?				Yes	_
15-4	(NTFS) for MS Windows pla	tforms)?	evel access controls (e.g., New Techno		Yes	
15-5	applications?		led use of the device disabled or delete		Yes	_
15-6	Are all shared resources (e.	g., file shares) which are	not required for the intended use of the	e device, disabled?	N/A	
15-7	Are all communication ports	which are not required fo	or the intended use of the device close	d/disabled?	Yes	
15-8	Are all services (e.g., telnet, required for the intended us		P], internet information server [IIS], etc.) disabled?	, which are not	Yes	
15-9	Are all applications (COTS a are not required for the inte		S-included applications, e.g., MS Interne eleted/disabled?	et Explorer, etc.) which	N/A	
15-10	Can the device boot from up component)?	ncontrolled or removable	media (i.e., a source other than an inte	ernal drive or memory	No	1
15-11	Can software or hardware n tools?	ot authorized by the devi	ce manufacturer be installed on the dev	rice without the use of	Yes	
SAHD	1. Cenova, by defau other devices.	lt, boots from the internal	harddisk. However, the BIOS boot or	der can be changed to b	oot from a C	CD or
16	SECURITY GUIDANCE (SO	SUD)				
	The availability of security g	uidance for operator and	administrator of the system and manuf	acturer sales and servic	e.	
16-1	Are security-related features	documented for the dev	ice user?		Yes	1
16-2	Are instructions available fo of personal or other sensitiv		on (i.e., instructions for how to achieve t	he permanent deletion	No	_
	1. Please review the	Cenova Cybersecurity Pr	roduct Report available on the Hologic	website.		
SGUD	notes:					

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		Hologic, Inc	MAN-05343 REV 002	43921		
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Cenov	a	ALL		N/A		
	Refer to Section 2.3	3.2 of this standard for the prope	r interpretation of information reque	sted in this form.	Yes, No, N/A, or See Note	# 0+014
17		RAGE CONFIDENTIALITY (STO				
	The ability of the dev ion device or remova		ss does not compromise the integrit	y and confidentiality of pri	vate data sto	red
17-1	Can the device encry	pt data at rest?			Yes	_
STCF						
notes:						
18	TRANSMISSION CO	NFIDENTIALITY (TXCF)				
	The ability of the dev i	ice to ensure the confidentiality	of transmitted private data .			
18-1	Can private data be transmitted only via a point-to-point dedicated cable?			No	_	
18-2	2 Is private data encrypted prior to transmission via a network or removable media ? (If yes, indicate in the notes which encryption standard is implemented.)			No		
18-3	,,	nission restricted to a fixed list o	f network destinations?		No	
TXCF notes:						
10100.						
19	TRANSMISSION INT	EGRITY (TXIG)				
	The ability of the dev i	ice to ensure the integrity of tran	smitted private data.			
19-1		port any mechanism intended to section how this is achieved.)	ensure data is not modified during t	ransmission? (If yes,	Yes	_
TXIG notes:						
20	OTHER SECURITY (CONSIDERATIONS (OTHR)				
	Additional security co	onsiderations/notes regarding m	edical device security.			
20-1	Can the device be se	erviced remotely?			Yes	_
20-2		ct remote access to/from specific	ed devices or users or network loca	tions (e.g., specific IP	27	
	addresses)?				No	

OTHR notes:			

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