VLC-09694 Rev. A

		Manufactu	urer Disclosure Statem	ent for Medical Device Security –	MDS ²		
				DESCRIPTION			
Devi	ce Cate	jory	Manufacturer	Document ID Docume	ent Release Da	ite	-
Class			Vital Images, Inc.	VLC-09694 1-Aug-	17		
Devi	ce Mode	;	Software Revision		re Release Date		
		nced Visualization	7.6	31-Jul-			
VIER				Manufacturer Contact Information			
Mani	ufacture	Company Name			tente MNI 552/	12	
	esentati			5850 Opus Parkway Suite #300, Minnet 952-487-9500	onka Min 5554	13	
	act Infor	mation		-932-487-9300			
		Kelly Dupasqui	ier, Program Manager				
Inter	nded us	e of device in network-o	connected environment:				
Vitre	ea is a m	edical diagnostic syster	n that allows the processing, r	eview, analysis, communication, and media	interchange of	multi-	
dime	ensional						
digit	al image	s acquired from a varie	ty of imaging devices. Vitrea	is not meant for primary image interpretatio	n in mammogra	aphy	
			MANAGEMEN	T OF PRIVATE DATA			
_					,	Yes, No,	#
	Re	er to Section 2.3.2 of th	is standard for the proper inter	pretation of information requested in this forr		N/A, or	Note
						See Note	Ž
А			smit, or maintain private data	(including electronic Protected Health Info	rmation		
	[ePH					Yes	1
В			nts that can be maintained by t				
	B.1		ame, address, location, unique	-		Yes	
	B.2	Medical record (e.g., I	medical record #, account #, te	est or treatment date, device identification nu	imber)?	3.7	
		Dia				Yes	
	B.3	characteristics)?	c (e.g., photo/radiograph, test r	results, or physiologic data with identifying		17	
	D /	,	wt ontorod by device user/en	rator?		Yes	
	B.4 B.5	Biometric data?	ext entered by device user/ope	analor?		Yes No	
	B.6	Personal financial info	ormation?			No	
с		aining private data - Ca				INU	
Ŭ	C.1			(i.e., until cleared by power-off or reset)?		Yes	1
	C.2	-	ersistently on local media?			Yes	1
	C.3	• •	data with other systems?			Yes	1
	C.4		during power service interrupt	tions?		Yes	1
D				of private data – Can the device :			-
Ľ	D.1		e.g., video display, etc.)?			Yes	
	D.2		eports or images containing pri	vate data?		Yes	
	D.3		· · ·	premovable media (e.g., disk, DVD, CD-RC)M tape		
		CF/SD card, memory			,	Yes	1
	D.4	-		edicated cable connection (e.g., IEEE 1073,	serial port		
		USB, FireWire, etc.)?			oonal port,	Yes	1
	D.5	Transmit/receive priv	ate data via a wired network c	onnection (e.g., LAN, WAN, VPN, intranet, Ir	nternet.		
		etc.)?			,	Yes	1
	D.6	Transmit/receive priv	ate data via an integrated wire	eless network connection (e.g., WiFi, Bluetoo	th, infrared.		
	-	etc.)?	5		. ,	Yes	1
	D.7	Import private data v	ia scanning?			Yes	_
	D.8	Other?	J			N/A	
		1. The term "d	evice" herein refers to the Vitr	rea® software and /or license. Vital Images	does not manu	facture	
Mana	agemen		erating system software and /o				
	ite Data			-			
4							

Device Category		Manufacturer	Document ID	Document Release Date		
Class II		Vital Images, Inc.	VLC-09694	1-Aug-17		
Device Model		Software Revision		Software Release Da	ate	
Vitrea Advanced Visualization		lization 7.6		31-Jul-17		
		SEC				
	Defente Cesti	an 0.0.0 of this standard for the man	en internetetion of information no.	useed in this forms	Yes, No,	e #
		on 2.3.2 of this standard for the prop	er interpretation of information rec	quested in this form.	N/A, or See Note	Note
1	AUTOMATIC Lo	DGOFF (ALOF) ility to prevent access and misuse by	/ unauthorized users if device is	left idle for a period of time.		
1-1		be configured to force reauthorizatio f, session lock, password protected s		determined length of inactivity	Yes	1
		ngth of inactivity time before auto-log ed or configurable range] in notes.)	off/screen lock user or administra	ator configurable? (Indicate	Yes	2
	-	p-logoff/screen lock be manually invo	ked (e.g., via a shortcut key or pr	oximity sensor, etc.) by the	Yes	3
		erm "device" herein refers to the Vit	rea® software and /or license. V	ital Images does not manufactu	ire hardware	e or
ALOF	-	g system software and /or componer	-			
notes:	2. The le inactivit	ength of inactivity time before auto-l	ogoff has a default of four hours	for a user session and 15 min f	or application	on
2	AUDIT CONTR					
		iably audit activity on the device .				
2-1	Can the medica	I device create an audit trail?			No	1
2-2	Indicate which c	f the following events are recorded ir	n the audit log:			
	2-2.1 Login/log	gout			No	1
	2-2.2 Display/	presentation of data			No	1
	2-2.3 Creation	/modification/deletion of data			No	1
	2-2.4 Import/e	xport of data from removable media			No	1
	2-2.5 Receipt/	transmission of data from/to external	(e.g., network) connection		No	2
	2-2.5.1 Re	mote service activity			No	2
	2-2.6 Other ev	ents? (describe in the notes section)			N/A	-
2-3	Indicate what in	formation is used to identify individua	I events recorded in the audit log		1.011	
	2-3.1 User ID		Ū		Yes	1
	2-3.2 Date/tim	e			Yes	1
AUDT notes:	form of logged in 2. The t operating	Vitrea software can create audit logs DICOM data and Reports. Any time n a log file. User logouts due to auto erm "device" herein refers to the Vit g system software and /or componer	a user exports, reports on, or but matic logoff (session time out) a trea® software and /or license. V	rns ePHI to media from Vitrea, re not tracked. /ital Images does not manufact	o users is in the action is	the s
3	AUTHORIZATIO		on of uporo			_
2.4		e device to determine the authorization				
3-1		prevent access to unauthorized use			Yes	1
3-2	power users , ac	ssigned different privilege levels with Iministrators, etc.)?			Yes	
3-3	application via lo	owner/ operator obtain unrestricted a ocal root or admin account)?			Yes	1
AUTH notes:	operating system software and /or components which may extend these functions					e or

Devide	Catagony	Monufacturer	Decument	Deguns ant Dalars - D	ata	_
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Device Model		Software Revision		Software Release Da	te	
Vitrea	Advanced Visualization	7.6		31-Jul-17		
	Refer to Section 2.3.2 of t	his standard for the proper i	interpretation of information i	requested in this form.	Yes, No, a N/A, or See Note	Note #
4	CONFIGURATION OF SEC	URITY FEATURES (CNFS)			
	The ability to configure/re-co	onfigure device security ca	pabilities to meet users' ne	eds.		
4-1	Can the device owner/operation	ator reconfigure product sec	curity capabilities?		Yes	1
CNFS	1. The term "device	" herein refers to the Vitrea	a® software and /or license.	Vital Images does not manufactu	ire hardware of	or
notes:	operating system sol	ftware and /or components	which may extend these fun	ctions.		
5	CYBER SECURITY PRODU	JCT UPGRADES (CSUP)				_
	The ability of on-site service	staff, remote service staff,	or authorized customer staff	to install/upgrade device 's securi	ty patches.	
5-1	Can relevant OS and device	e security patches be applie	ed to the device as they beco	ome available?	Yes 1.	, 2
	5-1.1 Can security patches	s or other software be instal	led remotely?		Yes	1
CSUP notes:	Packs. Customer is 2. The term "device"	responsible for managing h ' herein refers to the Vitrea	hardware security and software	Vital Images does not manufactu	-	r
6	HEALTH DATA DE-IDENTI	. ,				
	The ability of the device to c	directly remove information	that allows identification of a	person.		
6-1	Does the device provide an	integral capability to de-ide	ntify private data?		Yes	
DIDT						
notes: 7	DATA BACKUP AND DISA		١			
ľ	The ability to recover after d			vare.		
7-1	-	-		rage or removable media such	No	1
DTBK notes:	1. The term "device		a® software and /or license. which may extend these fun	Vital Images does not manufactu ctions.	ire hardware of	٥r
8	EMERGENCY ACCESS (EI	MRG)				
	The ability of device users the private data .	to access private data in ca	ase of an emergency situatio	n that requires immediate access	to stored	
8-1	Does the device incorporate	e an emergency access ("b	oreak-glass") feature?		No	1
EMRG notes:			a® software and /or license. which may extend these fun	Vital Images does not manufactu ctions.	are hardware o	٥r
9	HEALTH DATA INTEGRITY	AND AUTHENTICITY (IG	AU)			_
	How the device ensures that the originator.	t data processed by the de	vice has not been altered or	destroyed in an unauthorized man	nner and is fror	m
9-1	Does the device ensure the	integrity of stored data with	n implicit or explicit error dete	ction/correction technology?	No	1
IGAU notes:			a® software and /or license. which may extend these fun	Vital Images does not manufactu ctions.	ire hardware o	٥r

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Class II		Vital Images, Inc.	VLC-09694	1-Aug-17		
Device Model		Software Revision		Software Release D	Date	
Vitrea	Advanced Visualization	7.6		31-Jul-17		
	Refer to Section 2.3.2 of t	his standard for the prope	r interpretation of information re	equested in this form.	Yes, No, N/A, or See Note	Note #
10	MALWARE DETECTION/PI	ROTECTION (MLDP)				
	The ability of the device to e	effectively prevent, detect a	and remove malicious software	e (malware).		
10-1	Does the device support the	e use of anti-malware soft	tware (or other anti-malware n	mechanism)?	Yes	1
	10-1.1 Can the user indepe		-		N/A	1
	10-1.2 Does notification of r				N/A	1
	10-1.3 Can only manufactur	rer-authorized persons rep	air systems when malware ha	as been detected?	N/A	1
10-2	Can the device owner install	l or undate anti-virus soft	ware?		Yes	1
10-3				anufacturer-installed anti-virus		-
	software?		/ 1		Yes	1
MLDP notes:	-	-	ers with Anti-Virus Definition hardware security and software	n Files, Operating System Secu re update policies.	rity or Servic	ce
11	NODE AUTHENTICATION	(NAUT)				
	The ability of the device to a	authenticate communicatio	on partners/nodes.			
11-1			authentication that assures both receive transferred information		Yes	1
	1 The term "device	e" herein refers to the Vitr	ea® software and /or license	Vital Images does not manufac		reor
NAUT notes:			s which may extend these func	-		
12	PERSON AUTHENTICATIO	ON (PAUT)				
	Ability of the device to authe	enticate users				
12-1	Does the device support us	er/operator-specific userr	name(s) and password(s) for at	t least one user ?		
					Yes	1
	12-1.1 Does the device sup	port unique user/operato	r-specific IDs and passwords for	or multiple users?	Yes	1
12-2	Can the device be configure	ed to authenticate users th	nrough an external authenticati	ion service (e.g. MS Active	105	1
12-2	Directory, NDS, LDAP, etc.)		nough an external authenticati		Yes	1
12-3			a certain number of unsuccess	sful logon attempts?		
					N/A	1
12-4	Can default passwords be c	•	ion?		Yes	1
12-5 12-6	Are any shared user IDs use	-	ser account passwords that me	act actablished complexity	No	
12-0	rules?	ed to emorce creation of u	ser account passwords that me	eet established complexity	Yes	1
12-7	Can the device be configure	ed so that account passwo	rds expire periodically?		N/A	1
PAUT	-	•		Vital Images does not manufac		
notes:			s which may extend these func			10 01
13	PHYSICAL LOCKS (PLOK))				
	Physical locks can prevent u of private data stored on the			rom compromising the integrity a	and confident	tiality
13-1	Are all device components remove without tools)?	maintaining private data (other than removable media)	physically secure (i.e., cannot	N/A	1
	1. The term "device				1011	

	Category	Manufacturer	Document ID		cument Release Date		
Class II Device Model		Vital Images, Inc.	VLC-09694	1-Aug-17			
		Software Revision		Software Release D	ate		
Vitrea	Advanced Visualization	7.6		31-Jul-17			
	Refer to Section 2.3.2 of	this standard for the prope	er interpretation of information rec	quested in this form.	Yes, No, N/A, or See Note	Note #	
14			DEVICE LIFE CYCLE (RDMP)				
	Manufacturer's plans for se	curity support of 3rd party	components within device life cy	/cle.			
14-1	-		arately purchased and/or deliver	ed) operating system(s) -	C. N. M.		
14-2	including version number(s		a manufacturar available?		See Note]	
14-2	Is a list of other third party a				Yes	_	
RDMP		s Server 2012 R2 Enterpris s 7 Professional 64-bit Edi					
notes:		s 8.1 Professional 64-bit	luon with SF I				
	Microsoft Windows						
15	SYSTEM AND APPLICATI	ON HARDENING (SAHD)					
	The device's resistance to	cyber attacks and malwar	e.				
15-1	Does the device employ an industry-recognized harden	, ,	Please indicate in the notes the le	evel of conformance to any	Yes	1,	
15-2	Does the device employ an program/update is the man		e-specific hash key, checksums am or software update?	, etc.) to ensure the installed	Yes		
15-3	Does the device have exte	rnal communication capab	ility (e.g., network, modem, etc.)	?	Yes		
15-4	Does the file system allow t (NTFS) for MS Windows pla		evel access controls (e.g., New T	Fechnology File System	Yes		
15-5	Are all accounts which are applications?	not required for the intend	ed use of the device disabled o	r deleted, for both users and	Yes		
15-6			not required for the intended us		Yes		
15-7	Are all communication ports	s which are not required fo	r the intended use of the device	e closed/disabled?	Yes	,	
15-8	Are all services (e.g., telnet required for the intended u		P], internet information server [IIS lisabled?], etc.), which are not	Yes		
15-9		applications as well as OS	-included applications, e.g., MS	Internet Explorer, etc.) which	No		
	component)?		media (i.e., a source other than		Yes		
15-11	tools?	·	ce manufacturer be installed on t		Yes		
		are implements a Kiosk m	node for the client user which pro-	events access to system deskto	p and user		
SAHD	remediation/mitigat	ion procedures. The Vitre	Response process results in im- a software is analyzed against R ea® software and /or license. V	MF/ATO DoD A&A standard		'e 01	
16	SECURITY GUIDANCE (S		eas software and for needse.	har mages aves not manufact	are nuruwar	2 01	
			administrator of the system and	manufacturer sales and service	e.		
16-1	Are security-related feature				Yes		
16-2	,		n (i.e., instructions for how to ac	hieve the permanent deletion	103		
	of personal or other sensitiv	/e data)?	rea® software and /or license.		Yes ture hardwai	reo	
			ts which may extend these funct	-	ure natuwal	10 0	

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Device	e Category	Manufacturer	Document ID	Document Release	Date	
Class I	II	Vital Images, Inc.	VLC-09694	1-Aug-17		
Device	e Model	Software Revision		Software Release I	Date	
Vitrea	Advanced Visualization	7.6		31-Jul-17		
\vdash	Refer to Section 2.3.2 of	this standard for the proper	interpretation of information red		Yes, No, N/A, or See Note	Note #
17	HEALTH DATA STORAGE	E CONFIDENTIALITY (STC	F)		000 11010	
		ensure unauthorized acces	s does not compromise the inte	egrity and confidentiality of pri	vate data sto	red
17-1	Can the device encrypt da	ta at rest?			No	_
STCF notes:						
18	TRANSMISSION CONFID	ENTIALITY (TXCF)				
	The ability of the device to	ensure the confidentiality of	f transmitted private data .			
18-1	Can private data be transr	nitted only via a point-to-poi	nt dedicated cable?		N/A	
18-2			etwork or removable media ? (I	f yes, indicate in the notes	No	_
18-3	which encryption standard Is private data transmission	in restricted to a fixed list of	network destinations?		No	
					INU	
TXCF notes:						
19	TRANSMISSION INTEGRI					
	The ability of the device to	ensure the integrity of trans	mitted private data.			
19-1	Does the device support a describe in the notes section	-	ensure data is not modified duri	ng transmission? (If yes,	No	
TXIG notes:						
20	OTHER SECURITY CONS	IDERATIONS (OTHR)				_
		erations/notes regarding me	dical device security.			
20-1	Can the device be serviced		·		Yes	1
20-2			d devices or users or network l	ocations (e.g., specific IP		
	addresses)?	configured to require the les	al user to accept or initiate rem	note economia	Yes	1
	20-2.1 Can the device be	configured to require the loc	ai user to accept or initiate rem	IOLE ACCESS?	Yes	1
	1. Vital Images, Inc	e. Technical Support can us	e WebEx or VPN for remote aj	pplication (Vitrea) support		
OTHR notes:						