		Manufac	turer Disclosure S	statement for Medical Device Security – MDS ²		
			DE	EVICE DESCRIPTION		
	e Cateo	•	Manufacturer	Document ID Document Release	Date	
Medio	cal Ima	ging Radiography	Thales	MDS-1.13 6/14/2018		
Devic	e Mode	i	Software Revision	Software Release D	ate	
Duet			1.13.00	7/1/2018		
		Company Na	me	Manufacturer Contact Information		
Manu	facturer			1049 West Ridge Rd		
Repre	sentati	·	e Name/Position	Rochester, NY 14615		
Conta	ct Infor	mauon∎ ·		i		
			Cyber Security Engineer			
			k-connected environment			
DRX	Excel I	Plus is intended to be	used as a universal diag	mostic imaging system for radiographic and fluoroscopic studies	3.	
			MANAGI	EMENT OF PRIVATE DATA		
					Yes, No,	-4.1
	Ref	fer to Section 2 3 2 of	this standard for the pro-	per interpretation of information requested in this form.	N/A, or	te#
		o. to occurr. 2.0.2 o.	and standard to: and pro-	por	See Note	Note
Α			ansmit, or maintain priva	ate data (including electronic Protected Health Information		
	[ePHI				Yes	
В	Types	•	nents that can be maintai	•		
	B.1			n, unique identification number)?	Yes	
	B.2	Medical record (e.g	., medical record #, acco	ount #, test or treatment date, device identification number)?		
					Yes	
	B.3		utic (e.g., photo/radiograp	ph, test results, or physiologic data with identifying		
		characteristics)?			Yes	
	B.4	•	text entered by device u	user/operator?	Yes	
	B.5	Biometric data?			No	
	B.6	Personal financial in			No	
C		aining private data -				
	C.1	-		memory (i.e., until cleared by power-off or reset)?	Yes	_
	C.2		persistently on local med		Yes	_
	C.3		te data with other systen		Yes	_
	C.4	-	ata during power service		Yes	_
D				porting of private data – Can the device :		
	D.1		a (e.g., video display, etc.		Yes	_
	D.2	Generate hardcopy	reports or images contain	ining private data?	Yes	
	D.3	Retrieve private da CF/SD card, memo		e data to removable media (e.g., disk, DVD, CD-ROM, tape,	Yes	
	D.4	Transmit/receive or	import/export private da	ata via dedicated cable connection (e.g., IEEE 1073, serial port,		
		USB, FireWire, etc.)?		No	
	D.5	Transmit/receive pr	rivate data via a wired ne	etwork connection (e.g., LAN, WAN, VPN, intranet, Internet,		
		etc.)?			Yes	
	D.6	Transmit/receive pr	rivate data via an integra	ated wireless network connection (e.g., WiFi, Bluetooth, infrared,		
		etc.)?	· ·	• •	No	
	D.7	Import private data	via scanning?		No	
	D.8	Other?	-		No	
1						

Device	Category	Manufacturer	Document ID	Document Release	Date	
Medic	al Imaging Radiography	Thales	MDS-1.13	6/14/2018		
Device	Model	Software Revision		Software Release D		
Duet		1.13.00		7/1/2018		
		SECU	JRITY CAPABILITIES			
	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	Note #
1	ALITOMATIC I OCOFE (AI	OE)			See Note	Ž
ľ	AUTOMATIC LOGOFF (AI The device's ability to prev		unauthorized users if device is	left idle for a period of time.		
1-1	Can the device be configu (e.g., auto-logoff, session l		n of logged-in user (s) after a pred creen saver)?	determined length of inactivity	Yes	
			off/screen lock user or administra	ator configurable? (Indicate		
		urable range] in notes.)			Yes	1
	user?	een lock be manually invol	ked (e.g., via a shortcut key or pr	oximity sensor, etc.) by the	See Note	2
ALOF		xed, modifiable by ADMI	N			
notes:	2-Using Windows	Authentication method				
2	AUDIT CONTROLS (AUD	Γ)				
	The ability to reliably audit	activity on the device .				
2-1	Can the medical device co	eate an audit trail ?			Yes	
2-2	Indicate which of the follow	ing events are recorded in	the audit log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/presentatio	n of data			Yes	
	2-2.3 Creation/modification	on/deletion of data			Yes	
	2-2.4 Import/export of date	a from removable media			Yes	
	2-2.5 Receipt/transmission	on of data from/to external	(e.g., network) connection		Yes	
	2-2.5.1 Remote serv	ice activity			Yes	
	2-2.6 Other events? (des	cribe in the notes section)			Yes	1
2-3	Indicate what information is	s used to identify individua	l events recorded in the audit log	;		
	2-3.1 User ID				Yes	
	2-3.2 Date/time				Yes	
	2-UI Activites,Win	dows Security Audit,Fire	wall			
AUDT	Event such as :Ima	ge acquisition,patient regi	stration,processing change			
notes:						
3	AUTHORIZATION (AUTH)					
	The ability of the device to	determine the authorizatio	n of users.			
3-1	Can the device prevent ac	cess to unauthorized user	s through user login requiremen	ts or other mechanism?	Yes	_
3-2	Can users be assigned diff power users , administrator	. •	n an application based on 'roles'	(e.g., guests, regular users ,	Yes	1
3-3		rator obtain unrestricted a	dministrative privileges (e.g., acc	cess operating system or	Yes	-
AUTH notes:	• •	•	ftware group previliege(Adminis	strators,Super user,Technologic		

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Duet		1.13.00		7/1/2018		
		1		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Yes, No,	
	Refer to Section 2.3.2 of	this standard for the prop	er interpretation of information red	quested in this form.	N/A, or See Note	Note #
4	CONFIGURATION OF SEC	CURITY FEATURES (CN	FS)			
	The ability to configure/re-c	onfigure device security	capabilities to meet users' need	ds.		
4-1	Can the device owner/oper	• .	security capabilities?		See Note	1
CNFS notes:	1- Only Super user	not via Software UI				
5	CYBER SECURITY PROD	UCT UPGRADES (CSUP	2)			\neg
	The ability of on-site service	e staff, remote service sta	aff, or authorized customer staff to	install/upgrade device 's secu	rity patches.	
5-1	Can relevant OS and device	e security patches be ap	plied to the device as they becom	ne available?	See Note	1
	5-1.1 Can security patche	es or other software be ins	stalled remotely?		No	
CSUP	1- Security updates reduce safety/reliab	11	nufacture every 6 months or majo	r version(bundled with valida	ted version) t	io O
	Any widespread pu	blic event such as 'Wann	aCry' will be handled specially by	y Pushing ECN.		
6	HEALTH DATA DE-IDENT		on that allows identification of a n	oroon		
C 4	-	-	on that allows identification of a policy	erson.		
6-1	Does the device provide ar	i integral capability to de-	identity private data?		Yes	1
DIDT notes:						
7	DATA BACKUP AND DISA	•	•			\neg
	The ability to recover after of	damage or destruction of	device data, hardware, or softwa	re.		
7-1	Does the device have an ir as tape, disk)?	ntegral data backup capal	oility (i.e., backup to remote stora	ge or removable media such	Yes	_
DTBK notes:						
8	EMERGENCY ACCESS (E	MRG)				_
	•	•	n case of an emergency situation	that requires immediate acces	s to stored	
8-1	Does the device incorporate	e an emergency access	("break-glass") feature?		Yes	_
EMRG notes:	i .					
9	HEALTH DATA INTEGRIT	Y AND AUTHENTICITY (IGAU)			-
	How the device ensures the originator.	at data processed by the	device has not been altered or de	estroyed in an unauthorized ma	anner and is f	from
9-1	Does the device ensure the	e integrity of stored data v	with implicit or explicit error detect	ion/correction technology?	No	1
IGAU notes:	1-Scheduled for ne	xt version release 2019				

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Duet		1.13.00	· · · · · · · · · · · · · · · · · · ·	7/1/2018		
	Refer to Section 2.3.2 of	this standard for the prop	er interpretation of information requested in	this form.	Yes, No, N/A, or See Note	Note #
10	MALWARE DETECTION/P	ROTECTION (MLDP)				
	The ability of the device to	effectively prevent, detec	t and remove malicious software (malware).		
10-1	Does the device support th	e use of anti-malware so	oftware (or other anti-malware mechanism)	?	Yes	1
	10-1.1 Can the user indepe				No	2
			in the device user interface?		No	3
	10-1.3 Can only manufactu	rer-authorized persons re	epair systems when malware has been dete	ected?	Vac	2
10-2	Can the device august instal	ll ar undata anti vivva a a	ffura va ?		Yes No	3.1
10-2	Can the device owner instal		ntware : ly) update virus definitions on manufacturer	installed anti-virus	110	5.1
10-5	software?	ator (technically/phlysical	y) update virus definitions on mandiacturer	-installed anti-virus	N/A	2
l		ler Antispyware+McAfe	e Application Control(WhiteList Mechanis	m-Block NonAppro	ved file)	
MLDP		not via user interface		11	,	
notes:	3- The User Interface	ce is on top of Windows	Defender			
11	NODE AUTHENTICATION	(NAUT)				
	The ability of the device to	authenticate communicat	tion partners/nodes.			
11-1	•		e authentication that assures both the sende o receive transferred information?	r and the recipient	See Note	1
	1-Dicom AE is supp	orted			Sec 140te	1
NAUT	1-Dicolli AL is supp	orted				
notes:						
12	PERSON AUTHENTICATION	N (PAUT)				
	Ability of the device to auth	enticate users				
12-1	Does the device support us	ser/operator-specific use	ername(s) and password(s) for at least one	user?	Yes	
	12-1.1 Does the device sup	port unique user/operat	or-specific IDs and passwords for multiple เ	isers?		
					Yes	
12-2	Can the device be configur	ed to authenticate users	through an external authentication service (e.g., MS Active		
	Directory, NDS, LDAP, etc.				Yes	
12-3	Can the device be configur	ed to lock out a user afte	r a certain number of unsuccessful logon at	tempts?	See Note	1
12.4	Can default necewords be	shanged at/prior to install	ation?		Yes	1
12-4 12-5	Can default passwords be of Are any shared user IDs us	-	auon?		Yes	
12-6			user account passwords that meet establis	hed complexity	1 05	_
2	rules?	sa to cinorec ereation of	addi addount paddwordd that moot establio	nod complexity	Yes	1
12-7	Can the device be configur	ed so that account passv	vords expire periodically?		Yes	1
	_		n or Windows Local Authentication it is po	ssible	1.00	•
PAUT notes:	1 When using detiv	s directory authoritection	r or windows Local realienteation to is pe	SSIOIC		
13	PHYSICAL LOCKS (PLOK)				
	Physical locks can prevent of private data stored on the		physical access to the device from compro le media .	mising the integrity a	and confidenti	iality
13-1	Are all device components remove without tools)?	maintaining private data	(other than removable media) physically s	secure (i.e., cannot	Yes	
PLOK						
notes:						

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Medic	al Imaging Radiography	Thales	MDS-1.13	6/14/2018		
Device	Model	Software Revision		Software Release Da		· — -
Duet		1.13.00		7/1/2018		
		1		177.57.50	Yes, No,	**
	Refer to Section 2.3.2 of t	this standard for the prop	er interpretation of information req	uested in this form.	N/A, or See Note	Note #
14	ROADMAP FOR THIRD PA	RTY COMPONENTS IN	DEVICE LIFE CYCLE (RDMP)			-
	Manufacturer's plans for sec	curity support of 3rd party	components within device life cy	cle.		
14-1	In the notes section, list the including version number(s)		parately purchased and/or delivere	ed) operating system(s) -	Yes	1
14-2	Is a list of other third party a	pplications provided by the	ne manufacturer available?		Yes	2
	1-Windows Embedo	ded Standard 7 x64 bit Sl	21			
RDMP						
notes:						
15	OVOTEM AND ADDITIONT	ON HARDENING (OAHD)				
13	The device's resistance to	• • •				
45.4						
15-1	industry-recognized hardeni	ng standards.	Please indicate in the notes the le	·	Yes	
15-2	Does the device employ an program/update is the manu		se-specific hash key, checksums, ram or software update?	etc.) to ensure the installed	Yes	
15-3	Does the device have exter	nal communication capal	oility (e.g., network, modem, etc.)?	?	Yes	
15-4	Does the file system allow to (NTFS) for MS Windows pla	•	level access controls (e.g., New T	echnology File System	Yes	_
15-5	Are all accounts which are rapplications?	not required for the intend	ded use of the device disabled or	deleted, for both users and	Yes	_
15-6	Are all shared resources (e.	g., file shares) which are	not required for the intended use	of the device , disabled?	Yes	_
15-7			or the intended use of the device		Yes	
15-8	required for the intended us	se of the device deleted/		. ,	Yes	
15-9	Are all applications (COTS are not required for the inte		S-included applications, e.g., MS I deleted/disabled?	nternet Explorer, etc.) which	Yes	
	component)?		e media (i.e., a source other than a		No	
15-11	Can software or hardware n tools?	ot authorized by the devi	ce manufacturer be installed on th	ne device without the use of	No	
SAHD	notes:					
16	SECURITY GUIDANCE (SC					
	The availability of security g	uidance for operator and	I administrator of the system and r	manufacturer sales and service	e.	
16-1	Are security-related features	s documented for the dev	rice user?		Yes	
16-2	Are instructions available fo of personal or other sensitive		on (i.e., instructions for how to ach	lieve the permanent deletion	Yes	
SGUD	notes:					

	e Category	Manufacturer	MDS-1.13	6/14/2018	e Date	
L — —	al Imaging Radiography	Thales	WIDS-1.13			
Device	Model	Software Revision		Software Release	Date	
Duct	Refer to Section 2.3.2 of		er interpretation of information reques		Yes, No, N/A, or	Note #
17	HEALTH DATA STORAGE The ability of the device to on device or removable m	ensure unauthorized acce	CF) ess does not compromise the integrity	and confidentiality of pr	See Note	
17-1	Can the device encrypt da	ta at rest?			Yes	
STCF notes:						
18	TRANSMISSION CONFID	ENTIALITY (TXCF)				
	The ability of the device to	ensure the confidentiality	of transmitted private data .			
18-1	Can private data be transr	mitted only via a point-to-p	oint dedicated cable?		No	
18-2	which encryption standard	is implemented.)	network or removable media? (If yes	s, indicate in the notes	Yes	1
18-3	Is private data transmission				Yes	
TXCF notes:	1- All Capture Data	a is Compressed AES 256	•			
19	TRANSMISSION INTEGRI The ability of the device to	` '	nsmitted private data .			
19-1	Does the device support a describe in the notes section	•	o ensure data is not modified during to	ransmission? (If yes,	Yes	
TXIG notes:	Checksum of the tr	ansmited data in the log				
20	OTHER SECURITY CONS	IDERATIONS (OTHR)				
	Additional security consider	erations/notes regarding m	nedical device security.			
20-1	Can the device be serviced	d remotely?			Yes	
20-2	Can the device restrict remaddresses)?	note access to/from specif	ied devices or users or network locat	tions (e.g., specific IP	Yes	1
	20-2.1 Can the device be	configured to require the le	ocal user to accept or initiate remote	access?	Yes	
OTHR notes:	1- The connection	is not accesabile only by t	unique timely generatad password de	liver by phone to target s	supporter	

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