			Manufact	urar Digalagura Stat	toment for Medical Device Security MDS ²		
			Manuiaci	urer Disclosure Stat	tement for Medical Device Security – MDS ² ICE DESCRIPTION		
Davi	oo Cataga			Manufacturer	Document ID Document Release D	ata .	
Device Category Software Medical Device		i.a.a	ImPACT Applications, I		ale		
Software Medical Device			VICE	<u>+</u> -			
	ce Model			Software Revision	Software Release Date	е	
	ACT Cus		enter	2.35.0	N/A		
	ACT/ImP			4.0 / 1.3 / 2.0 / 1.0	i		
Pedi	atric/Iml	PACT Q	uick Test /	:	i		
Cog	nitive In		nt Screener	!	!		
			Company Name		Manufacturer Contact Information		
	ufacturer o		ImPACT Applic	cations, Inc.	2140 Norcor Ave, Ste 150		
	esentative	_	Representative N	ame/Position	Coralville, IA 52241		
			Shawn Maceno.		!		
Inter	ndad usa	of device	in network-conn	ected environment:			
				t aid for concussion.			
Con	iputerize	d cogiii	tive assessmen	ard for concussion.			
				MANAGEN	MENT OF PRIVATE DATA		
				MANACLI	MENT OF TRIVATE BATA	Yes, No,	21-
		Refer	to Section 2.3.2 c	of this standard for the proper	interpretation of information requested in this form.	N/A, or See Note	Note #
Α	Can th	is devic e	display, transmi	t, or maintain private data (ii	ncluding electronic Protected Health Information [ePHI])?		
						Yes	
В	Types	of privat	e data elements	that can be maintained by the	e device:		
	B.1	Demog	graphic (e.g., nam	e, address, location, unique i	dentification number)?	Yes	
	B.2	Medica	al record (e.g., me	edical record #, account #, tes	st or treatment date, device identification number)?		
						Yes	
	B.3	Diagno	stic/therapeutic (e.g., photo/radiograph, test re	sults, or physiologic data with identifying characteristics)?		
						Yes	
	B.4			entered by device user/oper	rator?	No	
	B.5		tric data?			No	
	B.6		al financial inform			No	
С		٠.	vate data - Can t			37	
	C.1		-		y (i.e., until cleared by power-off or reset)?	Yes	
	C.2	-	•	stently on local media?		Yes	1
	C.3			ata with other systems?		Yes	2
L	C.4			uring power service interrupti		Yes	10
D					private data – Can the device:	Yes	
	D.1			., video display, etc.)?		Yes	
	D.2			rts or images containing priv		168	
	D.3			om or record private data to	o removable media (e.g., disk, DVD, CD-ROM, tape, CF/SD card,	No	
	D 4		y stick, etc.)?		ladicated add a second for the USE	140	
	D.4			ort/export private data via d	ledicated cable connection (e.g., IEEE 1073, serial port, USB,	No	
	Б.		re, etc.)?		annestion (s.e. LANLANIANIA)/DNI introduct Internet etc. \Q	110	
	D.5	rransi	mivreceive privat	e data via a wired network c	connection (e.g., LAN, WAN, VPN, intranet, Internet, etc.)?	Yes	
	D.6	Tropon	ait/raaaiya nriyat	a data via an integrated wire	eless network connection (e.g., WiFi, Bluetooth, infrared, etc.)?	105	
	D.0	Hallst	illureceive priva t	e uata via air integrateu wirei	sess hetwork connection (e.g., with the bluetooth, fillinated, etc.):	Yes	
	D.7	Import	private data via	ecanning?		No	
	D.7 D.8	Other?	-	ocaning:		N/A	
	٥.٥			ed on local or removable	media is done so by the end user.		
			•			ion The	
Man	agement o			-	format by authorized users with system mangement permiss	ion. The	
	agement o ate Data no				h other systems or automatically export or import any data.	INV	
'''	Data H				s employ redundant UPS, redundant deisel generators, redund		
			-	•	surveilance and redundant network providers to ensure the h	ighest availa	bility
1	for our syste		for our systems				

Dovico	Catagory	Manufacturer	Document ID	Document Release Date		
Device Category Software Medical Device		ImPACT Applications, Inc.	-		,	
		· ÷	QK-10-16			
Device		Software Revision		Software Release Date		
	CT Customer Center	2.35.0		N/A		
l .	CT/ImPACT ric/ImPACT Quick Test /	4.0 / 1.3 / 2.0 / 1.0				
reurai	TIC/IIIIFACT QUICK TEST/	SECTION.	TY CAPABILITIES			
		SECURI	IT CAPABILITIES		Yes, No,	**
		2 of this standard for the proper inte	erpretation of information requ	uested in this form.	N/A, or See Note	Note #
1	AUTOMATIC LOGOFF (ALC	OF) : access and misuse by unauthorize	ad uporo if dovice is left idle	for a pariod of time		
l	•	·		·		
1-1	Can the device be configured to logoff, session lock, password	to force reauthorization of logged-in	n user (s) after a predetermin	ed length of inactivity (e.g., auto-	Yes	
		ity time before auto-logoff/screen lo	ock user or administrator cor	nfigurable? (Indicate time [fixed or		
	configurable range] in	notes.)			No	7
	1-1.2 Can auto-logoff/screer	n lock be manually invoked (e.g., vi	ia a shortcut key or proximity	sensor, etc.) by the user ?	No	
	7 The ImPACT Cus	stomer Center will log out a us	er after 20 minutes of idle	e time. The mobile applications wil		when
ALOF notes:	the application is c		or area 20 mmates of fare	time. The mostic applications will	ir rog out v	, ii cii
	ALIDIT CONTROL C (ALIDT)					
2	AUDIT CONTROLS (AUDT) The ability to reliably audit acti					
0.4	, ,	,			***	
2-1	Can the medical device create				Yes	
2-2	•	events are recorded in the audit log	g:			
	2-2.1 Login/logout				Yes	8
	2-2.2 Display/presentation of				Yes	8
	2-2.3 Creation/modification/	deletion of data			Yes	8
	2-2.4 Import/export of data f	rom removable media			Yes	8
	2-2.5 Receipt/transmission	of data from/to external (e.g., netwo	ork) connection		Yes	8
	2-2.5.1 Remote service	e activity			Yes	
	2-2.6 Other events? (descri	be in the notes section)			N/A	
2-3	Indicate what information is us	sed to identify individual events reco	orded in the audit log:			
	2-3.1 User ID				Yes	
	2-3.2 Date/time				Yes	
	8. All access to or n	nodification of PHI is logged i	n the application's activi	ty log in a date-stampped entry.		
AUDT						
notes:						
3	AUTHORIZATION (AUTH)					—
	` '	ermine the authorization of users.				
3-1	Can the device prevent access	s to unauthorized users through us	er login requirements or othe	er mechanism?	Yes	
3-2	Can users be assigned differe	nt privilege levels within an applica	ation based on 'roles' (e.g., gu	uests, regular users , power users ,	W	
2 2	administrators, etc.)?	en obtoin univertaliste de destate (C. C.	o privileges (s. s. s. s. s. s.	anating avatage as assetted the state	Yes	
3-3	local root or admin account)?	or obtain unrestricted administrativ	re privileges (e.g., access op	eraung system or application via	No	
AUTH						
notes:						

Device	Category	Manufacturer	Document ID	Document Release Date	:	
	are Medical Device	ImPACT Applications, Inc.	QR-16-18	44602		
Device	Model	Software Revision		Software Release Date		1
ImPAC	CT Customer Center	2.35.0		N/A		
	CT/ImPACT	4.0 / 1.3 / 2.0 / 1.0				
Pediat	ric/ImPACT Quick Test /	<u> </u>		<u> </u>		
	Refer to Section 2.3.2 c	of this standard for the proper interpr	retation of information requested in this	form.	Yes, No, N/A, or See Note	Note #
4	CONFIGURATION OF SECUR The ability to configure/re-configure	RITY FEATURES (CNFS) ure device security capabilities to	meet users' needs.			
4-1	Can the device owner/operator r	econfigure product security capabi	ilities?		Yes	16
CNFS notes:	16. Several items allo	ow customization for system ad	ministrators, including password	age, and user permissio	ns.	
5	CYBER SECURITY PRODUCT	ΓUPGRADES (CSUP)				$\overline{}$
	The ability of on-site service staf	f, remote service staff, or authorized	d customer staff to install/upgrade dev i	ice's security patches.		
5-1	Can relevant OS and device sec	urity patches be applied to the device	ce as they become available?		Yes	
	5-1.1 Can security patches or	other software be installed remotely	y?		Yes	6
CSUP notes:	installing appropriat	e operating system patches, ant	ters in a manner consistent with the civirus/antimalware software and consistent with the civirus and			ling
6	HEALTH DATA DE-IDENTIFIC	e a safe computing environment CATION (DIDT)	t .			$\overline{}$
		ly remove information that allows id	dentification of a person.			
6-1	Does the device provide an integ	gral capability to de-identify private	data?		Yes	
DIDT notes:						
7	DATA BACKUP AND DISAST	FER RECOVERY (DTBK)				
	The ability to recover after dama	ge or destruction of device data, har	rdware, or software.			
7-1	Does the device have an integral	data backup capability (i.e., backup	o to remote storage or removable med	lia such as tape, disk)?	Yes	4
DTBK notes:	4. All data is backed	up hourly, stored in an encrypto	ed format in multiple secure locat	ions for redundancy.		
8	EMERGENCY ACCESS (EMR	G)				\neg
	The ability of device users to acc	cess private data in case of an emo	ergency situation that requires immedi	ate access to stored privat	e data.	
8-1	Does the device incorporate an e	emergency access ("break-glass")	feature?		No	9
EMRG	9. A "break glass" fea	ture doesn't exist in our softwa	ire.			
notes:						
9	HEALTH DATA INTEGRITY A How the device ensures that data		peen altered or destroyed in an unautho	rized manner and is from t	he originator	r.
9-1	Does the device ensure the integ	grity of stored data with implicit or ea	xplicit error detection/correction techno	ology?	Yes	12
IGAU notes:	(numbers within an in exclusion of invalid	ntended range, dates within cor characters or malicious comman	ut forms to make sure the entries a rect ranges, text fields validated a nds). Through our application val the servers for storage, and report	nd checked for proper foliations we have verifi	ormatting a	and data

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Softwa	are Medical Device	ImPACT Applications, Inc.	QR-16-18	44602		
Device	Model	Software Revision		Software Release Date		
ImPAG	CT Customer Center	2.35.0		N/A		
ImPAG	CT/ImPACT	4.0 / 1.3 / 2.0 / 1.0		I		
Pediat	ric/ImPACT Ouick Test /	1				
	Refer to Section 2.3.2 of	of this standard for the proper interpr	etation of information requested i	n this form.	Yes, No, N/A, or See Note	Note#
10	MALWARE DETECTION/PRO	DTECTION (MLDP)			00011010	
	The ability of the device to effect	tively prevent, detect and remove ma	alicious software (malware).			
10-1	Does the device support the use	of anti-malware software (or other	anti-malware mechanism)?		N/A	6
		ently re-configure anti-malware sett	_		N/A	6
		ware detection occur in the device ι		10	N/A	6
	10-1.3 Can only manufacturer-	authorized persons repair systems	when malware has been detected	Γ?	N/A	6
10-2	Can the device owner install or u	undata anti-virus software?			N/A	6
10-2		(technically/physically) update viru	s definitions on manufacturer-inst	alled anti-virus software?		_
	Carrano devide eviner/operator	(tooriiiodiiy/priyorodiiy/ apadto vii d	o dominiono ommandidotal or mot	and anti-vitae continue.	N/A	6
MLDP	6. End users are enco	uraged to maintain their compu	ters in a manner consistent w	ith their IT department poli	icies, includ	ling
notes:	installing appropriat	te operating system patches, ant	ivirus/antimalware software a	and definition updates, and	other	
11	NODE AUTHENTICATION (N	e a safe computing environmen: AUT)	t			
l		enticate communication partners/noc	les			
11 1	•	•				
11-1		t any means of node authentication thorized to receive transferred inform		ne recipient of data are	Yes	
NALIT	The ImPACT system	uses HTTPS to negotiate a secu-	re tunnel from the end-user's	browser to our systems to e	nsure prope	er
NAUT notes:	encryption and secur			•		
12	DEDCON AUTHENTICATION	(DALIT)				
'*	PERSON AUTHENTICATION Ability of the device to authentication					
12-1	•	perator-specific username(s) and p	password(s) for at least one user	2		
12-1	Does the device support dser/o	peracor-specific dserialite(s) and p	bassword(s) for at least one user	:	Yes	
	12-1.1 Does the device support	t unique user/operator- specific IDs	and passwords for multiple user	s?		
					Yes	
12-2	Can the device be configured to	authenticate users through an exter	nal authentication service (e.g., M	S Active Directory, NDS,		4.0
	LDAP, etc.)?				Yes	18
12-3	Can the device be configured to	lock out a user after a certain numb	er of unsuccessful logon attempts	;?	Yes	19
10.4	Can defend accommoda has about	and attention to install attack			Yes	19
12-4 12-5	Can default passwords be changed Are any shared user IDs used in	•			No	
12-6		enforce creation of user account pa	sswords that meet established co	mplexity rules?		
•		0.110.00 0.00.00.10.10.00.00.00.00.00.00.00.00.00		p.oy . a.o	Yes	
12-7	Can the device be configured so	that account passwords expire peri	odically?		Yes	
PAUT	18. Customers can co	onfigure SAML 2.0 based SSO to	o integrate with their authenti	cation environment.		
notes:	19.5 failed logins ca	ause an account to be locked ou	t for 60 minutes from the mos	st recent failed login attemp	ot.	
13	PHYSICAL LOCKS (PLOK)					
	Physical locks can prevent unau stored on the device or on remo	nthorized users with physical access wable media.	s to the device from compromisir	ig the integrity and confidentiali	ty of private of	data
13-1	Are all device components mair	ntaining private data (other than ren	novable media) physically secur	re (i.e. cannot removo		
13-1	without tools)?	itali ilig private data (oli el ilidi i leli	no vable media, physically secul	c (1.0., Carmoureniove	Yes	3
DI CI	,	a private network, in a locked ca	binet, in a secure datacenter f	acility.		
PLOK notes:		1,	,	•		
i ioles.						

Device	Category	Manufacturer	Document ID	Document Release Dat	te	
	are Medical Device	ImPACT Applications, Inc.	QR-16-18	44602		
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ImPAC	CT Customer Center	2.35.0		N/A		
ImPAC	CT/ImPACT	4.0 / 1.3 / 2.0 / 1.0		I		
Pediat	ric/ImPACT Ouick Test /					
	Refer to Section 2.3.2	of this standard for the proper interp	oretation of information requ	uested in this form.	Yes, No, N/A, or See Note	Note#
14		RTY COMPONENTS IN DEVICE L	` '			
	•	ty support of 3rd party components	•			
14-1	number(s).	vided or required (separately purcha	, .	ating system(s) - including version	See Note	15
14-2		cations provided by the manufacture	er avaliable?		Yes	
RDMP notes:		CentOS 7 operating system.				
15	SYSTEM AND APPLICATION	HARDENING (SAHD)				
	The device 's resistance to cybe	er attacks and malware .				
15-1	Does the device employ any harecognized hardening standards	ardening measures? Please indicate s.	e in the notes the level of co	nformance to any industry-	Yes	13
15-2		echanism (e.g., release-specific ha		ensure the installed	Yes	
15.0	program/update is the manufacturer-authorized program or software update? Does the device have external communication capability (e.g., network, modem, etc.)?					
15-3			,	logy File System (NTFS) for MS	Yes	
15-4	Windows platforms)?	mplementation of file-level access of	controls (e.g., New Technol	logy File System (NTFS) for MS	Yes	
15-5		required for the intended use of the	device disabled or deleted	, for both users and applications?	Yes	
15-6	Are all shared resources (e.g., f	file shares) which are not required for	or the intended use of the	device, disabled?	Yes	
	·	nich are not required for the intende			Yes	
	intended use of the device del				Yes	
15-9	Are all applications (COTS applications) required for the intended use of	lications as well as OS-included applications as well as OS-included applications are deleted/disabled?	plications, e.g., MS Internet	Explorer, etc.) which are not	Yes	
15-10	Can the device boot from uncor	ntrolled or removable media (i.e., a	source other than an intern	nal drive or memory component)?	No	
15-11	Can software or hardware not a	authorized by the device manufactur	er be installed on the device	e without the use of tools?	No	
SAHD r	the servers therin. W function. All servers	Ve use the CentOS 'minimal inst	tall' method and only in	when creating and setting up an stall packages that are required for and configured to notify the Co	or servers de	esired
16	SECURITY GUIDANCE (SGU	D)				
	The availability of security guida	ance for operator and administrator	r of the system and manufa	cturer sales and service.		
16-1	Are security-related features do	cumented for the device user?			Yes	
16-2	Are instructions available for de other sensitive data)?	evice/media sanitization (i.e., instruc	ctions for how to achieve the	e permanent deletion of personal or	Yes	
SGUD	notes:					

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	CT/ImPACT	4.0 / 1.3 / 2.0 / 1.0				
Pediat	tric/ImPACT Quick Test /				V N-	
	Refer to Section 2.3	3.2 of this standard for the proper inter	pretation of information request	ted in this form.	Yes, No, N/A, or See Note	Note #
17	HEALTH DATA STORAGE	E CONFIDENTIALITY (STCF)			55511515	
	The ability of the device to er removable media .	nsure unauthorized access does not c	ompromise the integrity and co	nfidentiality of private data stored	on device or	
17-1	Can the device encrypt data	at rest?			Yes	17
STCF notes:	17. Data is encryp	oted using AES-128 bit encryptio	n in the database.			
18	TRANSMISSION CONFIDI	ENTIALITY (TXCF)				
	The ability of the device to er	nsure the confidentiality of transmitted	private data.			
18-1	•	itted only via a point-to-point dedicated			No	11
18-2	Is private data encrypted pri	ior to transmission via a network or re		cate in the notes which encryption	Yes	11
18-3	standard is implemented.) Is private data transmissior	n restricted to a fixed list of network de	estinations?		No	11
		pesn't share PHI externally. Any o		done by the end user stored in		
TXCF notes:	their choice. It is	the responsibility of the end use the end-user's browser to our serv	r to ensure the security of the	he data when saved to their cor		
19	TRANSMISSION INTEGRI	TY (TXIG) nsure the integrity of transmitted priva	to data			
19-1	-	mechanism intended to ensure data i		sion? (If yes, describe in the	**	
	notes section how this is ach	•	0		Yes	14
TXIG	HTTPS by nature	does not allow the modification of	of encrypted traffic.			
notes:						
20	OTHER SECURITY CONS					
	-	ations/notes regarding medical devic	e security.			
20-1	Can the device be serviced r	remotely?			Yes	5
20-2	Can the device restrict remo	ote access to/from specified devices o	r users or network locations (e	e.g., specific IP addresses)?	Yes	
	20-2.1 Can the device be co	onfigured to require the local user to a	ccept or initiate remote access	?	No	
	5. As our applicat administrators us	ion is SaaS, the "device" is serve e remote access VPN with two-fac ed software to the environment.				ites,
OTHR	5. As our applicat administrators us and deploy updat	e remote access VPN with two-fac				ites,
OTHR notes:	5. As our applicat administrators us and deploy updat	e remote access VPN with two-fac				ites,
	5. As our applicat administrators us and deploy updat	e remote access VPN with two-fac				ites,