			Statement for Medical Device Security – MDS ²	
Device Cate		Manufacturer	Document ID Document Rele	
Л trasound		Butterfly Network,		
evice Model Software Revision Software Release Date				
Q 1.13.0 October, 2019				
		Company Name	Manufacturer Contact Information	
/lanufacture	r or	Butterfly Network, Inc.	Phone: (203) 458-7100	
Representative		Representative Name/Position	Email: support@butterflynetwork.com	
Contact Infor	mation	Allan Bottemiller	Web: https://butterflynetwork.com/contact	
		Medical Informatics Manager	I	
ntended us	e of devi	ce in network-connected environment:		
oeen cleare controlled with hospi	d by FD from the tal DICC	A as a Class II medical device. Ultrasc Butterfly mobile app. The Butterfly M end points (PACS/VNA), EMR via	s point of care ultrasound (POCUS) products. Butterfly iQ, t bund studies are conducted using the iQ device and scans ar Cloud allows for the storage and transmission of ultrasound HL7, and facilitates cross-team HIPAA-compliant communi re maximum uptime and security (e.g. Amazon Web Services	e visualized and l images, integration cation. The Butterfly
uth0). In	transit, a e develo	Il data is protected with TLS 1.2 encrypped under the Butterfly quality mana	yption standard. At rest, all data is protected by AES 256-bi agement system (QMS). Butterfly Network is HIPAA and HIT	t encryption. All
		MANA	GEMENT OF PRIVATE DATA	
	Ref	er to Section 2.3.2 of this standard for the p	roper interpretation of information requested in this form.	Yes, No, N/A, or See Note
Can	this devi	ce display, transmit, or maintain private d	ata (including electronic Protected Health Information [ePHI])?	Yes
		ate data elements that can be maintained		
B.1	Dem	ographic (e.g., name, address, location, un	ique identification number)?	Yes
B.2	Medi	cal record (e.g., medical record #, account	#, test or treatment date, device identification number)?	Yes
B.3	Diag	nostic/therapeutic (e.g., photo/radiograph, te	est results, or physiologic data with identifying characteristics)?	Yes
B.4	Oper	, unstructured text entered by device user	/operator?	Yes
B.5	Bion	netric data?		No
B.6		onal financial information?		No
		rivate data - Can the device:		Yes
C.1			emory (i.e., until cleared by power-off or reset)?	See Note
C.2		private data persistently on local media?		Yes
C.3 C.4		rt/export private data with other systems?		Yes
		tain private data during power service inter used for the transmitting, importing/exporti		
D.1		ay private data (e.g., video display, etc.)?	ng of private data – Cartine device .	Yes
D.2		rate hardcopy reports or images containing	a private data?	No
D.3	Retri mem	eve private data from or record private d ory stick, etc.)?	ata to removable media (e.g., disk, DVD, CD-ROM, tape, CF/SD	card, No
D.4			via dedicated cable connection (e.g., IEEE 1073, serial port, USB,	No
		Vire, etc.)?		No _
D.5			ork connection (e.g., LAN, WAN, VPN, intranet, Internet, etc.)?	No _
D.6			I wireless network connection (e.g., WiFi, Bluetooth, infrared, etc.)?	Yes _
D.7 D.8	Impo Othe	rt private data via scanning?		Yes _
Managemen	t of notes:	 2. Ultrasound exams that may inclue the Butterfly Cloud. 3. Users are required to access the in app, iQ device and account registrat 	lity for users to manually enter PHI or pull data from a DICC de PHI are cached within the Butterfly mobile app until succ ternet on the device at least once every 30 days to validate ion. If there is no access to the internet from the mobile dev her buttons will be accessible. At this point, the user is bloc	essfully uploaded to the Butterfly mobile ice for more than 30

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Device Category Ultrasound Device Model		Manufacturer Butterfly Network, Inc. Software Revision	Butterfly Network, Inc. 950-20007-00 v05 November, 2019 Software Revision Software Release Date			
iQ		1.13.0		October, 2019		
		SECU			Yes, No,	
		ion 2.3.2 of this standard for the proper i	nterpretation of information requested	in this form.	N/A, or See Note	Note #
1	AUTOMATIC LOGOR		izad weens if device is loft idle for a p	ariad of time		
	-	prevent access and misuse by unauthor				
1-1		igured to force reauthorization of logged ssword protected screen saver)?	a-in user (s) aπer a predetermined ieng	gth of Inactivity (e.g., auto-	Yes	1
	-	inactivity time before auto-logoff/scree	n lock user or administrator configural	ble? (Indicate time [fixed or		+
	configurable ra	inge] in notes.)	-		Yes	2
	1-1.2 Can auto-logof	f/screen lock be manually invoked (e.g.	, via a shortcut key or proximity sense	or, etc.) by the user ?	Yes	1,2
	1. The inacti	vity timer is set within the mobile	device configuration. The Butterf	fly mobile app forces users	to apply a	
	security PIN	password, etc. to their mobile dev	ice. This can be enforced by the u	ise of a Mobile Device Man	agement (MI	DM)
	-	vell. Removing the device lock wil			-	
ALOF		ently delete any iQ data that has no				
notes:	•	· · · · · · · · · · · · · · · · · · ·		cloud. The user will be una	ble to log ba	CK
		erfly mobile app until a device loc				
		fly Cloud provides a customizable	e inactivity timer that can be set b	y an administrator between	15 minutes	and
2	24 hours.					
∠	AUDIT CONTROLS (•				
	•	udit activity on the device .				
2-1		e create an audit trail?			Yes	1
2-2	Indicate which of the fo	lowing events are recorded in the audit	log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/preser	ntation of data			See Note	2
	2-2.3 Creation/modi	fication/deletion of data			Yes	
	2-2.4 Import/export of	of data from removable media			N/A	
	2-2.5 Receipt/transn	nission of data from/to external (e.g., ne	twork) connection		Yes	
	2-2.5.1 Remote	, -	,		N/A	3
		(describe in the notes section)			See Note	4
2.2		,	coorded in the cudit log:		See Note	4
2-3		on is used to identify individual events r	ecorded in the audit log.			_
	2-3.1 User ID				Yes	
	2-3.2 Date/time				Yes	
	•	ccessed on the Butterfly Cloud an	-			
		ity is logged, including which ultr		sed.		
AUDT	3. There is no	o remote access to the device throu	gh the Butterfly mobile app.			
notes:	4. All user ac	tivity (logging in, logging out, sc	reens viewed, date/time of new up	loads, deletions, etc. on st	udies, captur	es
	and archives) is logged.				
3	AUTHORIZATION (A	UTH)				
		e to determine the authorization of users	5.			
3-1		t access to unauthorized users through		hanism?	Yes	1,2
3-2		I different privilege levels within an appl			105	1,1
5-2	administrators, etc.)?	rumerent privilege levers within an appi	ication based on Toles (e.g., guests, i	egulai users, power users,	Yes	
3-3	,	operator obtain unrestricted administra	ative privileges (e.g., access operating	system or application via		
	local root or admin acc				No	
	I	fly mobile app requires a device lo	ock (nassword nin etc.) to be and	hled SSO/SAMI integration		I
AUTH		I to enforce user login and passwor		orea. 550/ SAIVIL IIItegratio		
			-	Ashility Managarat (D) A	1) facture -	+h -
notes:		vice restrictions can be enforced th			(1) leature on	ıne
1	Butterfly Clo	oud to prevent users from logging	into the Butterfly mobile app on	personal devices.		

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Device	Category	Manufacturer	Document ID	Document Release D	ate	
Jltras		Butterfly Network, Inc.	950-20007-00 v05	November, 2019		
)evice	Model	Software Revision		Software Release Dat	te	
Q		1.13.0		October, 2019		
				,	Yes, No,	#
	Refer to Section	n 2.3.2 of this standard for the proper inte	erpretation of information requeste	ed in this form.	N/A, or	Note #
					See Note	Z
•		SECURITY FEATURES (CNFS) ⊱configure device security capabilities	to most users' poods			
	-				1	
1-1		erator reconfigure product security cap			Yes	1
		owner/operator can only configure s				b
CNFS notes:		r access to the Butterfly mobile app	and data stored on the Butter	rfly Cloud is controlled by a	designated	
10100.	Butterfly Clou	d administrator.				
5	CYBER SECURITY PR	ODUCT UPGRADES (CSUP)				
	The ability of on-site serv	vice staff, remote service staff, or author	ized customer staff to install/upgra	ade device 's security patches.		
5-1	Can relevant OS and dev	rice security patches be applied to the de	evice as they become available?		Yes	
	5-1.1 Can security pat	ches or other software be installed remo	otely?		See Note	1
		y mobile app does not impact mob	-	om being applied/installed. I	1	l tworl
CSUP		es are delivered thorugh the Butter		in comg uppriou/mstariou.		
otes:	permit parent					
;	HEALTH DATA DE-ID	ENTIFICATION (DIDT)				
	The ability of the device t	o directly remove information that allow	s identification of a person.			
6-1	Does the device provide	an integral capability to de-identify priva	ate data?		Yes	1
DIDT	1. Users have t	he ability to share de-idenfitied stu	udy links from the Butterfly C	loud and Butterfly mobile a	ipp.	•
notes:		5				
7	DATA BACKUP AND	DISASTER RECOVERY (DTBK)				
		er damage or destruction of device data,	hardware, or software.			
7-1		integral data backup capability (i.e., bac		hle media such as tane_disk)?	I	T
-		megral data backup capability (i.e., bac	inter to remote storage or remova		Yes	1
	1 114 1		1 1 1 1 4 4		I	
DTBK		exams acquired on the Butterfly iQ	are securely uploaded to the	Butterfly Cloud, which is ba	cked up dail	ly and
notes:	prior to update	28.				
3	EMERGENCY ACCESS	6 (EMRG)				
	The ability of device use	rs to access private data in case of an e	emergency situation that requires	immediate access to stored priv	vate data.	
3-1	Does the device incorpor	ate an emergency access ("break-glas	s") feature?		No	
EMRG	N/A				•	•
notes:						
)						
,		RITY AND AUTHENTICITY (IGAU)	at been altered or destroyed in an	upoutborized memor and is from	m the originate	~ r
	How the device ensures	that data processed by the device has n	or been altered or destroyed in an	unautionized manner and is iror	n the originate	JI.
	I					
9-1	Does the device ensure t	he integrity of stored data with implicit o	or explicit error detection/correction	on technology?	Yes	1
	1 Data at rest	s encrupted with AES 256 hit and	data in transit is an amounted wi	th TI S 1 2	103	1
IGAU notes:	1. Data at rest 1	s encrypted with AES 256-bit and o	data in transit is encrypted wi	ui 110 1.2.		
10103.						
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			and Management Systems			

Device	Category	Manufacturer	Document ID	Document Release D	ate	
Ultras	ound	Butterfly Network, Inc.	950-20007-00 v05	November, 2019		
Device	Model	Software Revision		Software Release Da	te	
iQ		1.13.0		October, 2019		
	Refer to Section 2.3.2	of this standard for the proper ir	nterpretation of information requested i	n this form.	Yes, No, N/A, or See Note	Note #
0	MALWARE DETECTION/PR				<u>See Note</u>	
	_		ve malicious software (malware).		See Note	
0-1		e of anti-maiware software (or ently re-configure anti-malware	other anti-malware mechanism)?		Yes	
		lware detection occur in the dev			See Note	-
			ems when malware has been detected	d?		
					N/A	
10-2	Can the device owner install or				Yes	_
10-3	Can the device owner/operato	r (technically/physically) update	e virus definitions on manufacturer-inst	talled anti-virus software?	N/A	
	1 Installing anti-ma	alware software on the mobil	le device will not impact the Butt	erfly mobile ann Anti-ma	lware	-
MLDP notes:			erface, but not from within the Bu		ii ware	
11	NODE AUTHENTICATION (M					
		enticate communication partner	s/nodes.			
11-1	· · · ·	rt any means of node authentica thorized to receive transferred in	tion that assures both the sender and t	he recipient of data are		
					Yes	I
	1 Transmission of a					
			obile app and Butterfly Cloud so			
NAUT	1.2 encryption. DIC	OM Store and Modality Wor	rklist (MWL) connections are perf			
	1.2 encryption. DIC		rklist (MWL) connections are perf			
NAUT notes: 12	1.2 encryption. DIC HTTPS with TLS 1.2	OM Store and Modality Wor encryption or DICOM-TLS	rklist (MWL) connections are perf			
notes:	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION	OM Store and Modality Wor encryption or DICOM-TLS (PAUT)	rklist (MWL) connections are perf			
notes: 12	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users	rklist (MWL) connections are perf (TLS 1.2).	formed via Butterfly Link		
notes: 12	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users	rklist (MWL) connections are perf	formed via Butterfly Link		ng
notes: 12	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/o	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s)	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user	formed via Butterfly Link	software usin	ng
notes: 12	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/o	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s)	rklist (MWL) connections are perf (TLS 1.2).	formed via Butterfly Link	software usin	ng
notes: 12 12-1	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support Can the device be configured to	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user	formed via Butterfly Link ? 's?	software usin Yes	ng
notes:	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/or 12-1.1 Does the device support	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user	formed via Butterfly Link ? 's?	software usin Yes	ng
notes: 12 12-1 12-2	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/c 12-1.1 Does the device support Can the device be configured to LDAP, etc.)?	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific o authenticate users through an o	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user	formed via Butterfly Link ? rs? IS Active Directory, NDS,	software usin Yes Yes	ng
notes: 12 12-1 12-2	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/c 12-1.1 Does the device support Can the device be configured to LDAP, etc.)?	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific o authenticate users through an o	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M	formed via Butterfly Link ? rs? IS Active Directory, NDS,	software usin Yes Yes	ng
notes: 12 12-1 12-2 12-3	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/c 12-1.1 Does the device support Can the device be configured to LDAP, etc.)?	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific o authenticate users through an operator of the specific user and t	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M	formed via Butterfly Link ? rs? IS Active Directory, NDS,	Software usin Yes Yes Yes	1g
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notes: 12 12-1 12-2 12-3 12-4 12-5	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/c 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can default passwords be chan Are any shared user IDs used i Can the device be configured to	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific p authenticate users through an operator of user accrtain r operator to installation? in this system? openforce creation of user accou	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co	formed via Butterfly Link ? 's? IS Active Directory, NDS, s?	Software usin Yes Yes Yes Yes N/A	ng
notes: 12 12-1	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can default passwords be chan Are any shared user IDs used it	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific p authenticate users through an operator of user accrtain r operator to installation? in this system? openforce creation of user accou	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co	formed via Butterfly Link ? 's? IS Active Directory, NDS, s?	Yes Yes Yes Yes Yes N/A No	ng
notes: 12 12-1 12-2 12-3 12-4 12-5 12-6	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/or 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can default passwords be chan Are any shared user IDs used i Can the device be configured to	OM Store and Modality Wor encryption or DICOM-TLS N (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi o authenticate users through an operator of user a certain r operator to installation? in this system? openforce creation of user account o that account passwords expired	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co	formed via Butterfly Link ?	Software usin Yes Yes Yes Yes N/A No Yes	
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notes: 12 12-1 12-2 12-3 12-4 12-5 12-6 12-7 PAUT	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/or 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can default passwords be chan Are any shared user IDs used it Can the device be configured to Can the device be configured to Can the device be configured to I. Butterfly Network	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi o authenticate users through an operator of user accruin r operator to installation? in this system? operator creation of user account o that account passwords expired c user accounts are managed ration is available to enforce	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co e periodically? by a designated Butterfly Cloud	formed via Butterfly Link ?	Software usin Yes Yes Yes Yes N/A No Yes	ng
notes: 12 12-1 12-2 12-3 12-4 12-5 12-6 12-7 PAUT notes:	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can the device be configured to Are any shared user IDs used if Can the device be configured to	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi o authenticate users through an operator of user accruin r operator to installation? in this system? operator creation of user account o that account passwords expired c user accounts are managed ration is available to enforce	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co e periodically? by a designated Butterfly Cloud	formed via Butterfly Link ?	Software usin Yes Yes Yes Yes N/A No Yes	
notes: 12 12-1 12-2 12-3 12-4 12-5 12-6 12-7	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can the device be configured to Are any shared user IDs used if Can the device be configured to SSO/SAML integr 3. There are no defau PHYSICAL LOCKS (PLOK)	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specific o authenticate users through an operator specific o authenticate users through an operator specific operator of user after a certain r operator to installation? In this system? openforce creation of user account o that account passwords expired c user accounts are managed ration is available to enforce all passwords.	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co e periodically? by a designated Butterfly Cloud	formed via Butterfly Link ? ? IS Active Directory, NDS, s? omplexity rules? administrator. rd requirements.	Yes Yes Yes Yes Yes N/A No Yes Yes Yes	
notes: 12-1 12-1 12-2 12-3 12-3 12-4 12-5 12-6 12-7 PAUT notes: 13	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can the device be configured to Are any shared user IDs used if Can the device be configured to SO/SAML integr 3. There are no defau PHYSICAL LOCKS (PLOK) Physical locks can prevent una stored on the device or on remotion	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi o authenticate users through an operator of user account and a set after a certain r operator to installation? in this system? operator creation of user account o that account passwords expired c user accounts are managed ration is available to enforce all passwords.	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts nt passwords that meet established co e periodically? by a designated Butterfly Cloud e corporate user login and passwo	formed via Butterfly Link ? ? 's? IS Active Directory, NDS, s? complexity rules? administrator. rd requirements.	Yes Yes Yes Yes Yes N/A No Yes Yes Yes	
notes: 12 12-1 12-2 12-3 12-4 12-5 12-6 12-7 PAUT notes:	1.2 encryption. DIC HTTPS with TLS 1.2 PERSON AUTHENTICATION Ability of the device to authentic Does the device support user/of 12-1.1 Does the device support 12-1.1 Does the device support Can the device be configured to LDAP, etc.)? Can the device be configured to Are any shared user IDs used if Can the device be configured to SO/SAML integr 3. There are no defau PHYSICAL LOCKS (PLOK) Physical locks can prevent una stored on the device or on remotion	OM Store and Modality Wor encryption or DICOM-TLS (PAUT) cate users operator-specific username(s) rt unique user/operator-specifi o authenticate users through an operator of user account and a set after a certain r operator to installation? in this system? operator creation of user account o that account passwords expired c user accounts are managed ration is available to enforce all passwords.	rklist (MWL) connections are perf (TLS 1.2). and password(s) for at least one user c IDs and passwords for multiple user external authentication service (e.g., M number of unsuccessful logon attempts int passwords that meet established co e periodically? by a designated Butterfly Cloud e corporate user login and passwo	formed via Butterfly Link ? ? 's? IS Active Directory, NDS, s? complexity rules? administrator. rd requirements.	Yes Yes Yes Yes Yes N/A No Yes Yes Yes	

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Refer to Section 2.3.2 of the MAP FOR THIRD PARTY acturer's plans for security structurer's structurer's plans for security structurer's plans for security structurer's structurer's plans for security structurer's structurer's plans for security structurer's stru	Software Revision 1.13.0 his standard for the proper COMPONENTS IN DEVI upport of 3rd party compor d or required (separately p ons provided by the manufi nobile devices can be fo solution is compatible ARDENING (SAHD)	interpretation of information requested CE LIFE CYCLE (RDMP) nents within device life cycle. surchased and/or delivered) operating acturer available? und at https://www.butterflynetw	Software Release Dat October, 2019 d in this form. system(s) - including version work.com/specs	Yes, No, N/A, or See Note See Note Yes	1,2
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of other third party applicati 1. A list of supported m 2. The Butterfly Cloud Microsoft Edge. MAND APPLICATION HA	abile devices can be fo solution is compatible ARDENING (SAHD)	und at https://www.butterflynetv	-		 1d
2. The Butterfly Cloud Microsoft Edge.	solution is compatible ARDENING (SAHD)		-	òx, Safari an	ıd
Microsoft Edge.	ARDENING (SAHD)	with the latest two versions of G	oogle Chrome, Mozilla Firef	ox, Safari an	ıd
M AND APPLICATION HA					
vice's resistance to cyber at					
,	Haalia anal				
ne device employ any harde	liacks and malware .				
	ning measures? Please in	dicate in the notes the level of conform	mance to any industry-	See Note	1
ized hardening standards. he device employ any mech	anism (e.g., release-speci	fic hash key, checksums, etc.) to ensi	ure the installed	See Note	- 1
				Yes	2
		,		Yes	3
•	ementation of file-level acc	cess controls (e.g., New Technology I	File System (NTFS) for MS	No	
	ired for the intended use	of the device disabled or deleted, for I	both users and applications?		
abarad rass mass (s.g. file (haraa) which are not rear	ired for the intended use of the day	ee diaablad?	Yes	4
snared resources (e.g., file s	snares) which are not requ	lired for the intended use of the devi	Ce , disabled?	No	5
communication ports which	are not required for the inf	tended use of the device closed/disa	bled?	Yes	
		net information server [IIS], etc.), whic	ch are not required for the	Yes	
applications (COTS applica	tions as well as OS-includ	ed applications, e.g., MS Internet Expl	lorer, etc.) which are not		
				No	5
e device doot from uncontrol	lied of removable media (i.e., a source other than an internal dr	ive or memory component)?	No	
ftware or hardware not autho	orized by the device manu	facturer be installed on the device with	hout the use of tools?		
				No	
•			 • • • • • • • • • • • • • • • • • • •		
	· · ·	noor through the Duttering moor	ie app.		
				accounts, wh	ich
	•	e		1 e	
			wever, the app itself only uti	lizes specifi	ea
•	•				
		strator of the system and manufacture	er sales and service.		
		-		Yes	I
tructions available for devic	e/media sanitization (i.e., i	nstructions for how to achieve the per	manent deletion of personal or		
ensitive data)?				Yes	1
			-		
			-		
been re-enabled.		-	· · · · ·		
	m/update is the manufacture he device have external com- he file system allow the implives platforms)? accounts which are not requi- shared resources (e.g., file si- communication ports which services (e.g., telnet, file tra- led use of the device deleted applications (COTS applica- ad for the intended use of the device boot from uncontrol oftware or hardware not author 1. Butterfly Network fo 2. Software and firmwar 3. Cellular and WiFi are 4. There are no default a are managed by a desig 5. The Butterfly mobile ports and communcation RITY GUIDANCE (SGUD) ailability of security guidance curity-related features docum tructions available for device ensitive data)? 1. Data is only cached si app requires the deviced the user being automati- uploaded to the Butterfly been re-enabled.	m/update is the manufacturer-authorized program or so the device have external communication capability (e.g the file system allow the implementation of file-level actives shared resources (e.g., file shares) which are not required communication ports which are not required for the intended use shared resources (e.g., file shares) which are not required communication ports which are not required for the int services (e.g., telnet, file transfer protocol [FTP], interr led use of the device deleted/disabled? applications (COTS applications as well as OS-includ d for the intended use of the device deleted/disabled? e device boot from uncontrolled or removable media (offware or hardware not authorized by the device manu 1. Butterfly Network follows ISO 27001 stands 2. Software and firmware updates are only avai 3. Cellular and WiFi are supported. 4. There are no default accounts. Access to the are managed by a designated Butterfly Cloud a 5. The Butterfly mobile app allows the mobile ports and communcation protocols when in us RITY GUIDANCE (SGUD) ailability of security guidance for operator and administ curity-related features documented for the device user structions available for device /media sanitization (i.e., i ensitive data)? 1. Data is only cached securely within the Butt app requires the device to have a lock mechani the user being automatically logged out of the uploaded to the Butterfly Cloud. The user will been re-enabled.	m/update is the manufacturer-authorized program or software update? he device have external communication capability (e.g., network, modem, etc.)? he file system allow the implementation of file-level access controls (e.g., New Technology ws platforms)? accounts which are not required for the intended use of the device disabled or deleted, for shared resources (e.g., file shares) which are not required for the intended use of the device closed/disa services (e.g., telnet, file transfer protocol [FTP], internet information server [IIS], etc.), whice du se of the device deleted/disabled? applications (COTS applications as well as OS-included applications, e.g., MS Internet Explicit or the intended use of the device deleted/disabled? e device boot from uncontrolled or removable media (i.e., a source other than an internal draftware or hardware not authorized by the device manufacturer be installed on the device wite 1. Butterfly Network follows ISO 27001 standards and is built under the Butter 2. Software and firmware updates are only available through the Butterfly mobil 3. Cellular and WiFi are supported. 4. There are no default accounts. Access to the Butterfly app and Butterly Cloud are managed by a designated Butterfly Cloud administrator for each organization 5. The Butterfly mobile app allows the mobile device to function normally, how ports and communcation protocols when in use. RITY GUIDANCE (SGUD) aliability of security guidance for operator and administrator of the system and manufacture curity-related features documented for the device user? I. Data is only cached securely within the Butterfly mobile app until uploaded app requires the device to have a lock mechanism enabled before the app can be the user being automatically logged out of the Butterfly app, which will perman uploaded to the Butterfly Cloud. The user will be unable to log back into the B been re-enabled.	he device have external communication capability (e.g., network, modem, etc.)? he file system allow the implementation of file-level access controls (e.g., New Technology File System (NTFS) for MS seglatorms)? accounts which are not required for the intended use of the device disabled or deleted, for both users and applications? shared resources (e.g., file shares) which are not required for the intended use of the device, disabled? communication ports which are not required for the intended use of the device closed/disabled? services (e.g., telnet, file transfer protocol [FTP], internet information server [IIS], etc.), which are not required for the red use of the device deleted/disabled? applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not d for the intended use of the device deleted/disabled? a device boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)? iftware or hardware not authorized by the device manufacturer be installed on the device without the use of tools? 1. Butterfly Network follows ISO 27001 standards and is built under the Butterfly QMS. 2. Software and firmware updates are only available through the Butterfly mobile app. 3. Cellular and WiFi are supported. 4. There are no default accounts. Access to the Butterfly app and Butterly Cloud is restricted to active user a are managed by a designated Butterfly Cloud administrator for each organization. 5. The Butterfly mobile app allows the mobile device to function normally, however, the app itself only uti ports and communication protocols when in use. RITY GUIDANCE (SGUD) aliability of security guidance for operator and administrator of the system and manufacturer sales and service. curity-related features documented for the device user? tructions available for device/media sanitization (i.e., instructions for how to achieve the permanent deletion of personal or ensitive data)? 1. Data is only cached secur	Mupdate is the manufacturer-authorized program or software update? Yes the device have external communication capability (e.g., network, modem, etc.)? Yes he file system allow the implementation of file-level access controls (e.g., New Technology File System (NTFS) for MS No accounts which are not required for the intended use of the device disabled or deleted, for both users and applications? Yes shared resources (e.g., file shares) which are not required for the intended use of the device closed/disabled? No communication ports which are not required for the intended use of the device closed/disabled? No communication ports which are not required for the intended use of the device closed/disabled? No ed use of the device deleted/disabled? Yes applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not No a dor the intended use of the device deleted/disabled? No applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not No fitware or hardware not authorized by the device manufacturer be installed on the device without the use of tools? No 1. Butterfly Network follows ISO 27001 standards and is built under the Butterfly QMS. 2. Software and firmware updates are only available through the Butterfly mobile app.

the Healthcare Information and Management Systems Society.

Device Ultras	Category ound	Manufacturer Butterfly Network, Inc	Document ID . 950-20007-00 v05	Document Release Da November, 2019	ite	
Device iQ	Model	Software Revision 1.13.0		Software Release Date October, 2019	9	
	Refer to Secti	ion 2.3.2 of this standard for the prope	r interpretation of information requeste	d in this form.	Yes, No, N/A, or See Note	Note #
7		RAGE CONFIDENTIALITY (STCF) e to ensure unauthorized access does) s not compromise the integrity and conf	fidentiality of private data stored		
7-1	Can the device encrypt	t data at rest?			Yes	1
STCF otes:	1. Data cache	d within the Butterfly mobile ap	p is encrypted with AES 256-bit.	·		•
8	TRANSMISSION COM	NFIDENTIALITY (TXCF)				
	The ability of the device	e to ensure the confidentiality of trans	mitted private data .			
8-1	Can private data be tra	ansmitted only via a point-to-point dec	dicated cable?		No	_
18-2	ls private data encrypt standard is implemente	-	k or removable media ? (If yes, indica	te in the notes which encryption	Yes	1,
8-3	ls private data transmi	ission restricted to a fixed list of netw	ork destinations?		Yes	2
TXCF notes:			L) connections are performed via I	Butterfly Link software using	g HTTPS wi	th TL
9	TRANSMISSION INTI					
	_ ·	e to ensure the integrity of transmitted				
9-1	Does the device support notes section how this i		e data is not modified during transmission	on? (If yes, describe in the	Yes	1
TXIG notes:	1. Transmiss 1.2 encryptic	-	bile app and the Butterfly Cloud s	solution is performed using	HTTPS with	h TLS
20	OTHER SECURITY C	ONSIDERATIONS (OTHR)				
	Additional security con	siderations/notes regarding medical	device security.			
20-1	Can the device be serv	riced remotely?			No	
20-2			rices or users or network locations (e.g		N/A	
	20-2.1 Can the device	e be configured to require the local us	er to accept or initiate remote access?		N/A	
OTHR notes:						