

Document Number: 40052412

This information is Company Confidential

Manufacturer Disclosure Statement

Medical Device Security



Owner/Responsible		
Program Manager	Nadia De Paepe	
Key Author(s)		
Program Manager	Nadia De Paepe	
Review/ToBeConsulted		
Solution Manager	Joost Felix	
Solution Architect	Nikolas Boel	
QARA Representative	Jodi Coleman	
Global ISP Manager	Geert Claeys	
Approval/Accountable		
Global ISP Manager	Geert Claeys	
QARA Representative	Jodi Coleman	
Program Manager	Nadia De Paepe	
Solution Manager	Joost Felix	

Remove this front page when, after approval, prior to distribution externally to Agfa HealthCare

Printed copies are not controlled and should be verified on the electronic document management system. Last printed 2013-03-26 3:50 AMManufacturer Disclosure Statement for Medical Device Securitt

Node ID Template: xxxxxxxx

Manufacturer Disclosure Statement for Medical Device Security

IMPAX Agility

Version 1.x March 26, 2013

Issued by: Agfa HealthCare Septestraat 27 B-2640 Mortsel Belgium Agfa shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this publication. Agfa reserves the right to revise this publication and to make changes to its content at any time, without obligation to notify any person or entity of such revisions and changes. This publication may only be used in connection with the promotion, sales, installation and use of Agfa equipment by Agfa personnel. The information presented herein is sensitive and is classified Company Confidential. Without written authority from the proprietor, further distribution outside the company is not allowed.

Copyright © March, 13 Agfa HealthCare All rights reserved

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

NOTICE AND DISCLAIMER

The information in this publication was considered technically sound by the consensus of persons engaged in the development and approval of the document at the time it was developed. Consensus does not necessarily mean that there is unanimous agreement among every person participating in the development of this document.

The National Electrical Manufacturers Association (NEMA) standards and guideline publications, of which the document contained herein is one, are developed through a voluntary consensus standards development process. This process brings together volunteers and/or seeks out the views of persons who have an interest in the topic covered by this publication. While NEMA administers the process and establishes rules to promote fairness in the development of consensus, it does not write the document and it does not independently test, evaluate, or verify the accuracy or completeness of any information or the soundness of any judgments contained in its standards and guideline publications.

NEMA disclaims liability for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly or indirectly resulting from the publication, use of, application, or reliance on this document. NEMA disclaims and makes no guaranty or warranty, expressed or implied, as to the accuracy or completeness of any information published herein, and disclaims and makes no warranty that the information in this document will fulfill any of your particular purposes or needs. NEMA does not undertake to guarantee the performance of any individual manufacturer or seller's products or services by virtue of this standard or guide.

In publishing and making this document available, NEMA is not undertaking to render professional or other services for or on behalf of any person or entity, nor is NEMA undertaking to perform any duty owed by any person or entity to someone else. Anyone using this document should rely on his or her own independent judgment or, as appropriate, seek the advice of a competent professional in determining the exercise of reasonable care in any given circumstances. Information and other standards on the topic covered by this publication may be available from other sources, which the user may wish to consult for additional views or information not covered by this publication.

NEITHER HEALTH INFORMATION MANAGEMENT SYSTEMS SOCIETY (HIMSS) NOR NEMA HAVE POWER, NOR DO THEY UNDERTAKE TO POLICE OR ENFORCE COMPLIANCE WITH THE CONTENTS OF THIS DOCUMENT. NEITHER HIMSS NOR NEMA CERTIFY, TEST, OR INSPECT PRODUCTS, DESIGNS, OR INSTALLATIONS FOR SAFETY OR HEALTH PURPOSES. ANY CERTIFICATION OR OTHER STATEMENT OF COMPLIANCE WITH ANY HEALTH OR SAFETY-RELATED INFORMATION IN THIS DOCUMENT SHALL NOT BE ATTRIBUTABLE TO HIMSS OR NEMA AND IS SOLELY THE RESPONSIBILITY OF THE CERTIFIER OR MAKER OF THE STATEMENT.

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

FOREWORD

This document consists of the Manufacturer Disclosure Statement for Medical Device Security (MDS² form). The intent of the MDS² form is to supply healthcare providers with important information to assist them in assessing the VULNERABILITY and risks associated with protecting ELECTRONIC PROTECTED HEALTH INFORMATION (ePHI) transmitted or maintained by medical devices. Because security risk assessment spans an entire organization, this document focuses on only those elements of the security risk assessment process associated with medical devices and systems that maintain or transmit ePHI.

The MDS² form should:

- (1) Be useful to healthcare provider organizations worldwide. While the form does supply information important to providers who must comply with HIPAA privacy and security rules, the information presented may be useful for any healthcare provider who aspires to have an effective information security RISK MANAGEMENT program. Outside the US, providers would therefore find the MDS² form an effective tool to address regional regulations such as EU 95/46 (Europe), Act on the Protection of Personal Information (Act No. 57 of 2003, Japan), and PIPEDA (Canada).
- (2) Include device specific information addressing the technical security-related attributes of the individual device model.
- (3) Provide a simple, flexible way of collecting the technical, device-specific elements of the common/typical information needed by provider organizations (device users/operators) to begin medical device information security (i.e., confidentiality, integrity, availability) risk assessments.
- (4) HIMSS and NEMA grant permission to make copies and use this form.

Using the information in the MDS² form together with information collected about the care delivery environment (e.g., through tools like ACCE / ECRI's Guide for Information Security for Biomedical Technology), the provider's multidisciplinary risk assessment team can review assembled information and make informed decisions on implementing a local security management plan.

© Copyright 2008 by the Health Information and Management Systems Society and the National Electrical Manufacturers Association. All rights including translation into other languages, reserved under the Universal Copyright Convention, the Berne Convention for the Protection of Literary and Artistic Works, and the International and Pan American Copyright Conventions.

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

Section 1 INSTRUCTIONS FOR OBTAINING AND USING THE MDS² FORM

1.1 OBTAINING THE MDS² FORM (HEALTHCARE PROVIDERS)

Completed MDS² forms for many devices and systems may be available directly from the Agfa HealthCare Product Security Website: <u>http://www.agfa.com/main/productsecurity/mds2/</u>.

1.2 USING THE MDS² FORM (HEALTHCARE PROVIDERS)

1.2.1 Section 1 – Questions 1-19

Section 1 of the MDS² form contains information on the type of data maintained / transmitted by the device, how the data is maintained / transmitted, and other security-related features incorporated in the device, as appropriate. The field "Other Security Considerations" allows the manufacturer to add some general security considerations.

PLEASE BE ADVISED—An indication of a device's ability to perform any listed function (i.e., a "Yes" answer) is not an implicit or explicit endorsement or authorization by the manufacturer to configure the device or cause the device to perform those listed functions.

It is important to distinguish between capability and permission. The questions contained on the MDS² form refer to device capability. Permission is a contractual matter separate from the MDS² form and is not covered by the MDS² form. Making changes to a device without explicit manufacturer authorization may have significant contractual and liability issues.

1.2.2 Section 2 – Explanatory notes

The optional section 2 of the MDS² form contains space for explanatory notes if the manufacturer needs more space to explain specific details to the answers on questions 1-19.

NOTE—Agfa HealthCare may elect to attach supplementary material if additional space for recommended practices or explanatory notes is necessary.

1.3 THE ROLE OF HEALTHCARE PROVIDERS IN THE SECURITY MANAGEMENT PROCESS

The healthcare provider organization (e.g. a hospital) has the ultimate responsibility for providing effective security management. Agfa HealtCare can assist providers in their security management programs by offering information describing:

- the type of data maintained / transmitted by the Agfa HealtCare's device or system;
- how data is maintained / transmitted by the Agfa HealtCare's device or system;
- any security-related features incorporated in the Agfa HealtCare's device or system.

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

In order to effectively manage medical information security and comply with relevant regulations, healthcare providers must employ ADMINISTRATIVE, PHYSICAL and TECHNICAL SAFEGUARDS—most of which are extrinsic to the actual device

1.4 DEFINITIONS

Administrative Safeguards: Administrative actions, policies, and procedures to manage the selection, development, implementation, and maintenance of security measures to protect ELECTRONIC PROTECTED HEALTH INFORMATION and to manage the conduct of the covered entity's workforce in relation to the protection of that information. [45 CFR Part 164]

Anti-Virus Software: See VIRUS SCANNER

Audit trail: Data collected and potentially used to facilitate a security audit [45 CFR Part 142]

Biometric ID: A biometric identification system identifies a human from a measurement of a physical feature or repeatable action of the individual (e.g., hand geometry, retinal scan, iris scan, fingerprint patterns, facial characteristics, DNA sequence characteristics, voice prints, handwritten signature). [45 CFR Part 142]

Electronic Media: (1) Electronic storage media, including memory devices in computers (hard drives) and any removable/transportable digital memory media, such as magnetic tapes or disks, optical disks, or digital memory cards. (2) Transmission media used to exchange information already in electronic storage media, including, for example, the Internet (wide open), extranet (using Internet technology to link a business with information accessible only to collaborating parties), leased lines, dial-up lines, and private networks, and the physical movement of removable/transportable electronic storage media. Certain transmissions, including of paper via facsimile and of voice via telephone, are not considered to be transmissions via ELECTRONIC MEDIA because the information being exchanged did not exist in electronic form before the transmission. [45 CFR Part 160.103]

Electronic Protected Health Information (ePHI): INDIVIDUALLY IDENTIFIABLE HEALTH INFORMATION (IIHI) that is (1) transmitted by or (2) maintained in ELECTRONIC MEDIA. [45 CFR Part 160.103]

Individually Identifiable Health Information (IIHI): INDIVIDUALLY IDENTIFIABLE HEALTH INFORMATION is information that is a subset of health information, including demographic information collected from an individual, and: (1) Is created or received by a health care provider, health plan, employer, or health care clearinghouse; and (2) Relates to the past, present, or future physical or mental health or condition of an individual; the provision of health care to an individual; or the past, present, or future payment for the provision of health care to an individual; and (i) That identifies the individual; or (ii) With respect to which there is a reasonable basis to believe the information can be used to identify the individual. [45 CFR Part 160.103].

Personal Identification Number (PIN): A number or code assigned to an individual and used to provide verification of identity. [45 CFR Part 142]

Physical Safeguards: The physical measures, policies, and procedures to protect a covered entity's electronic information systems and related buildings and equipment from natural and environmental hazards and unauthorized intrusion. [45 CFR Part 164]

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

Remote Service: A support service (e.g., testing, diagnostics, software upgrades) while not physically or directly connected to the device (e.g., remote access via modem, network, Internet).

Removable Media: See ELECTRONIC MEDIA

Risk Analysis: Conducting an accurate and thorough assessment of the potential risks and VULNERABILITIES to the integrity, availability, and confidentiality of ELECTRONIC PROTECTED HEALTH INFORMATION. [45 CFR Part 164]

Risk Management: (1) The ongoing process of assessing risk, taking steps to reduce risk to an acceptable level, and maintaining that level of risk. [NIST SP 800-26] (2) Security measures sufficient to reduce risks and VULNERABILITIES to a reasonable and appropriate level. [45 CFR Part 164]

Technical Safeguards: The technology, policies, and procedures to protect ELECTRONIC PROTECTED HEALTH INFORMATION and control access to it. [45 CFR Part 164]

Token: A physical authentication device that the user carries (e.g., smartcard, SecureIDtm, etc.). Often combined with a PIN to provide a two-factor authentication method that is generally thought of as superior to simple password authentication.

Virus: In general, computer code that is either:

- (1) A type of programmed threat—a code fragment (not an independent program) that reproduces by attaching to another program. It may damage data directly, or it may degrade system performance by taking over system resources, which are then not available to authorized users.
- (2) Code embedded within a program that causes a copy of itself to be inserted in one or more other programs; in addition to propagation, the VIRUS usually performs some unwanted function. [45 CFR Part 164]

Virus scanner: A computer program ("ANTI-VIRUS SOFTWARE") that detects a VIRUS computer program, or other kind of malware (e.g., worms and Trojans), warns of its presence, and attempts to prevent it from affecting the protected computer. Malware often results in undesired side effects generally unanticipated by the user.)

Vulnerability: A flaw or weakness in system procedures, design, implementation, or internal controls that could be exercised (accidentally triggered or intentionally exploited) and result in a security breach or a violation of the system's security policy. [NIST SP 800-30]

ARCRONYMS

- **CD**: Compact Disk
- CF: Compact Flash

DOCUMENT CONTROL NOTE:



Product Name Version 1.x Manufacturer Disclosure Statement for Medical Device Security

DVD:	Digital Versatile Disk
IP:	Internet Protocol
LAN:	Local Area Network
ROM:	Read Only Memory
SD:	Secure Digital
USB:	Universal Serial Bus
VPN:	Virtual Private Network
WAN:	Wide Area Network
WiFi:	Wireless Fidelity

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

Section 2 MDS² FORM

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

	Manufacturer I	Disclosure Statement fo	or Medical Device Security	y – MDS²
		SECTIO	N 1	
Device Category		Manufacturer	Document ID	Document Release Date
Medical Device So	ftware	Agfa HealthCare	40052412	March 2013
Device Model		Software Revision	Software Release Date	
IMPAX Agility		1.x	March 2013	
Manufacturer or	Company Name		Manufacturer Contact Information	
Representative Contact	Agfa HealthCare		Agfa HealthCare N.V	
Information:	Representative Nam	e/ Position	Septestraat 27	
	Global ISP manager	– Agfa Healthcare	B-2640 Mortsel, Belgium	
			Tel. +32 3 444 2111	
 Types of ePHi a. Demogra b. Medical a C. Diagnost d. Open, ur Maintaining e a. Maintaining e b. Generate c. Retrieve d. Transmiti e. Transmiti g. Other? 	I data elements that ca aphic (e.g., name, add record (e.g., medical r tic/therapeutic (e.g., p nstructured text entered PHI - Can the device PHI - Can the device PHI temporarily in v HI persistently on loca export ePHI with other used for the transmitti ePHI (e.g., video displa e hardcopy reports or i ePHI from or record e t/receive or import/exp t/receive ePHI via an in	an be maintained by the device: ress, location, unique identificatio ecord #, account #, test or treatm hoto/radiograph, test results, or p ed by device user/operator? olatile memory (i.e., until cleared I media? systems? ng, importing/exporting of ePHI – ay)? mages containing ePHI? PHI to removable media (e.g., disk port ePHI via dedicated cable conn twork connection (e.g., LAN, WAN	<, DVD, CD-ROM, tape, CF/SD card, men lection (e.g., IEEE 1073, serial port, USB, J, VPN, intranet, Internet)?	Yes er)?Yes ncteristics)?Yes Yes Yes Yes Yes Yes Yes FireWire)?Yes FireWire)?Yes Yes Yes Yes Yes No
 What underly Application Ser Client: Window PHYSICAL SAFEG 	cturer offer operator a ing operating system(ver : Windows Server /s 7 (32/64bit), Vista (UARDS	s) (including version number) are 2008 R2, 64 bit only 32/64bit). Radiologist desktop rur		Windows Yes No N/A Note #
8. Does the devi	ice have an integral da	ta backup capability (i.e., backup o	a) physically secure (i.e. cannot remove nto removable media like tape, disk)? rce other than an internal drive or memory	Yes

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

		SEC	TION 1				
Device Category		Manufacturer		Document ID	Document R	elease Da	te
Medical Device So	oftware	Agfa HealthCare		40052412	March 2013		
Device Model		Software Revision		Software Release Dat	te		
MPAX Agility		1.x		March 2013			
lanufacturer or	Company Name		Ма	ufacturer Contact Infor	mation		
Representative Contact	Agfa HealthCare		Agt	a HealthCare N.V			
nformation:	Representative Nan	ne/ Position	Sej	testraat 27			
	Global ISP manage		B-2	640 Mortsel, Belgium			
		3 • • • • • • •	Tel	+32 3 444 2111			
b. Can the c. Can sec 2. Level of own	device restrict remote device provide an aud urity patches or other er/operator service ac	ly (i.e., maintenance activities per e access to specific devices or dit trail of remote-service activ software be installed remotely cess to device operating syste didated security patches?	network locat vity? y? em: Can the d	ions (e.g., specific IP evice owner/operator	addresses)?	Yes Yes Yes Yes	
 b. Can the c. Can sec 2. Level of own a. Apply do b. Install o c. Update d. Obtain a 	device restrict remote device provide an aud urity patches or other er/operator service ac evice manufacturer-va r update antivirus soff virus definitions on ma administrative privileg	e access to specific devices or dit trail of remote-service activ software be installed remotely cess to device operating syste ilidated security patches? tware? anufacturer-installed antivirus es (e.g. access operating syste	network local vity? em: Can the d software? em or applica	ions (e.g., specific IP evice owner/operator cion via local root or a	remote connection)? . addresses)? dmin account)?	Yes Yes Yes Yes Yes Yes Yes	
 b. Can the c. Can sec 2. Level of own a. Apply de b. Install o c. Update d. Obtain a 3. Does the dev 4. Does the sys 	device restrict remote device provide an aud urity patches or other er/operator service ac evice manufacturer-va r update antivirus soft virus definitions on ma administrative privileg ice support user/oper- tem force reauthorizat	e access to specific devices or dit trail of remote-service activ software be installed remotely cess to device operating syste ilidated security patches? tware? anufacturer-installed antivirus es (e.g. access operating syste ator specific username and pa tion after a predetermined len	network local vity? m: Can the d software? em or applica issword gth of inactivi	ions (e.g., specific IP evice owner/operator tion via local root or a ty (e.g., auto logoff, s	remote connection)? . addresses)? dmin account)? eession lock)	Yes Yes Yes Yes Yes Yes Yes	
 b. Can the c. Can sec 2. Level of own a. Apply de b. Install of c. Update d. Obtain a 3. Does the dev 4. Does the sys 5. Events recorr a. Login ar b. Viewing c. Creatior d. Import/ 	device restrict remote device provide an aud urity patches or other er/operator service ac evice manufacturer-va r update antivirus soft virus definitions on ma administrative privileg ice support user/oper- tem force reauthorizat ded in device audit tra nd logout by users/oper- of ePHI? n, modification or dele export or transmittal/n	e access to specific devices or dit trail of remote-service activ software be installed remotely cess to device operating syste ilidated security patches? tware? anufacturer-installed antivirus es (e.g. access operating syste ator specific username and pa tion after a predetermined len il (e.g., user, date/time, actio erators? tion of ePHI?	network local vity? em: Can the d software? em or applica issword gth of inactivi n taken): Ca	ions (e.g., specific IP evice owner/operator cion via local root or a ty (e.g., auto logoff, s n the audit trail record	remote connection)? . addresses)? dmin account)? session lock)	Yes Yes Yes Yes Yes Yes Yes Yes	
 b. Can the c. Can sec c. Can sec a. Apply do b. Install c c. Update d. Obtain a 3. Does the dev 4. Does the sys 5. Events record a. Login ar b. Viewing c. Creation d. Import/ 5. Does the dev 	device restrict remote device provide an aud urity patches or other er/operator service ac evice manufacturer-va r update antivirus soft virus definitions on ma administrative privileg ice support user/oper- tem force reauthorizat ded in device audit tra do logout by users/oper- of ePHI? n, modification or dele- export or transmittal/r ice incorporate an em	e access to specific devices or dit trail of remote-service activ software be installed remotely cess to device operating syste ilidated security patches? tware? anufacturer-installed antivirus es (e.g. access operating syste ator specific username <i>and</i> pa tion after a predetermined len il (e.g., user, date/time, actio erators? tion of ePHI? receipt of ePHI?	network local vity? em: Can the d software? em or applica issword gth of inactivi n taken): Ca ") feature that	ions (e.g., specific IP evice owner/operator tion via local root or a ty (e.g., auto logoff, s in the audit trail record is logged?	remote connection)? . addresses)? dmin account)? session lock)	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 b. Can the c. Can sec 2. Level of own a. Apply de b. Install of c. Update d. Obtain a 3. Does the dev 4. Does the sys 5. Events record a. Login ar b. Viewing c. Creatior d. Import/ 6. Does the dev 	device restrict remote device provide an aud urity patches or other er/operator service ac evice manufacturer-va r update antivirus soft virus definitions on ma administrative privileg ice support user/oper- tem force reauthorizat ded in device audit tra nd logout by users/oper of ePHI? a, modification or dele export or transmittal/ ice incorporate an em ce maintain ePHI durin	e access to specific devices or dit trail of remote-service active software be installed remotely cess to device operating syste ilidated security patches? tware?	network local vity? em: Can the d software? em or applica issword gth of inactivi n taken): Ca ") feature that	ions (e.g., specific IP evice owner/operator tion via local root or a ty (e.g., auto logoff, s in the audit trail record is logged?	remote connection)? . addresses)? dmin account)? session lock)	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 b. Can the c. Can sec c. Can sec a. Apply de b. Install c c. Update d. Obtain a 3. Does the dev 4. Does the sys 5. Events recorra a. Login ar b. Viewing c. Creation d. Import/ 6. Does the devi 7. Can the devi 8. Controls whe a. Transmition b. Encryptical 	device restrict remote device provide an aud urity patches or other er/operator service ac- evice manufacturer-va r update antivirus soff virus definitions on ma administrative privileg ice support user/oper- tem force reauthorizate ded in device audit tra- dol logout by users/oper- tem force reauthorizate ded in device audit tra- do f ePHI? a, modification or deler export or transmittal/u- ice incorporate an em- ce maintain ePHI durin n exchanging ePHI wi tted only via a point-t	e access to specific devices or dit trail of remote-service active software be installed remotely cess to device operating syste ilidated security patches? tware?	network local vity? em: Can the d software? em or applica issword gth of inactivi n taken): Ca ") feature that ? e media?	ions (e.g., specific IP evice owner/operator tion via local root or a ty (e.g., auto logoff, s in the audit trail record is logged?	remote connection)? . addresses)? dmin account)? eession lock)	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	4 5 6

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

	Manufacturer	Disclosure Stateme	nt for Mea	dical Device Sec	curity – MDS ²
		SEC	TION 1		
Device Category		Manufacturer		Document ID	Document Release Date
Medical Device So	oftware	Agfa HealthCare		40052412	March 2013
Device Model		Software Revision		Software Release Dat	te
IMPAX Agility		1.x		March 2013	
Manufacturer or	Company Name		Ма	nufacturer Contact Infor	mation
Representative Contact	Agfa HealthCare		Agi	fa HealthCare N.V	
Information:	Representative Nam	ne/ Position	Sej	ptestraat 27	
	Global ISP manage	r – Agfa Healthcare	B-2	2640 Mortsel, Belgium	
			Tel	. +32 3 444 2111	

Other Security Considerations

Authentication

A token based authentication system, built on the JAAS standard (Java Authentication and Authorization Service) is available. On initial login, users are required to enter username/password. These credentials are used to retrieve a token from the Agility authentication service. A token identifies a user session, has a limited lifetime and must be used for all subsequent server calls. It can validate credentials against various sources (e.g. Agility DB, external LDAP ...) by configuring the appropriate login modules. When the user fails to correctly authenticate 3 times the account of the user is locked for a period of time. A strong password policy can be enforced.

Access Control

The impact of authorization is two-fold:

- It limits what a user can do; for example a user can only create an addendum on a report if he is the author of the original report.
- It limits what a user can see; for example a user can only see patient details for patients located in his department.

IMPAX Agility supports a "break the glass – emergency access" feature, if configured as part of the security role of the user. The user has the ability to break the by security enforced access control to what study data he can "see". The "break the glass - emergency access" feature is an audited feature which allows the user to expand the normal defined query results for emergency cases.

Auditing

IMPAX Agility has the concept of task history, utilizing the task history you can check who has performed which action in which point in time. Additionally IMPAX Agility can be configured to send out audit messaging towards an external Audit Record Repository. It follows the IHE ATNA specification regarding the timing and content of the audit messages that it produces and is HIPAA (Health Insurance Portability and Accountability Act) compliant.

System Hardening

The IMPAX Agility Installer will enable the Windows firewall if not already enabled, registering exceptions for the ports required to run the Application Server. The Windows firewall will not allow external connections to any other ports. The IMPAX Agility installer will also disable

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

Manufacturer Disclosure Statement for Medical Device Security – MDS²

SECTION 1

		SECTION	L		
Device Category		Manufacturer		Document ID	Document Release Date
Medical Device So	oftware	Agfa HealthCare		40052412	March 2013
Device Model		Software Revision		Software Release Date	
IMPAX Agility		1.x		March 2013	
Manufacturer or	Company Name		Mar	nufacturer Contact Information	
Representative Contact	Agfa HealthCare		Agf	a HealthCare N.V	
Information:	Representative Name	e/ Position	Sep	otestraat 27	
	Global ISP manager	– Agfa Healthcare	B-2	640 Mortsel, Belgium	
			Tel	+32 3 444 2111	

some default Windows services that not required to run the Application Server and/or are linked to known security vulnerabilities.

Code Signing and Obfuscation

The Web Application downloadable components are signed with an Agfa Healthcare private code signing certificate. The client's netboot process responsible to launch the IMPAX Agility clients enforces all plugins of the client to be signed. The client doesn't start when not all plugins are signed by the Agfa Healthcare private code signing certificate. Some parts of the code (eg. Licensing, authentication, access control ...) are obfuscated,

Encryption

For communication with external systems including the IMPAX Agility client and Xero Web Viewer, IMPAX Agility uses SSL (specifically TLS) secure communication. The encryption algorithm is specified by the certificates in use, and implemented by the SSL socket layer.

Licensing

The Agility licensing system supports two types of licenses:

- Concurrent licenses, where multiple users can concurrently use a feature. The number of concurrent users is determined by the allowed number of concurrent licenses.
- Volume licenses, where a feature can only be used for a certain number of times. This number is defined in the license.

SECTION 2

DOCUMENT CONTROL NOTE:



Manufacturer Disclosure Statement for Medical Device Security

Manufacturer Disclosure Statement for Medical Device Security – MDS² **SECTION 1 Device Category** Manufacturer Document ID **Document Release Date** Medical Device Software 40052412 Agfa HealthCare March 2013 Device Model Software Revision Software Release Date IMPAX Agility 1.x March 2013 Manufacturer or Company Name Manufacturer Contact Information Representative Agfa HealthCare Agfa HealthCare N.V Contact Information: Septestraat 27 Representative Name/ Position B-2640 Mortsel, Belgium Global ISP manager – Agfa Healthcare Tel. +32 3 444 2111

EXPLANATORY NOTES (from questions 1 – 19)

IMPORTANT: Refer to Section 2.2.2 of this standard for the proper interpretation of information requested in this form).

- 1. Communication only happens using secure communication lines
- 2. Communication between IMPAX Agility Client & Server can be wireless Receiving and transmitting data wirelessly is possible if enabled by the hardware... however, it is not a standard configuration
- 3. Extra software can be installed on client workstations. No other software is allowed to be installed on servers.
- 4. Paper rinting
- 5. HTTPS communication
- 6. List is restricted to defined external systems

DOCUMENT CONTROL NOTE:





Details as of PDF Creation Date

Document Metadata	
Title:	Manufacturer Disclosure Statement IMPAX Agility.doc
Livelink ID:	40052412
Version#:	4
Version Date:	2013/03/22 06:32 PM CET
Status:	Approved on 2013/03/26 03:48 AM CET
Owner:	Nadia De Paepe (amiqb)
Created By:	Nadia De Paepe (amiqb)
Created Date:	2013/03/18 01:36 PM CET
PDF Creation Date:	2013/03/26 03:48 AM CET

This document was approved by:

Signatures:

- 1. Joost Felix (abjfx) on 2013/03/26 03:04 AM CET
- 2. Geert Claeys (amclg) on 2013/03/25 05:03 PM CET
- 3. Nadia De Paepe (amiqb) on 2013/03/22 06:40 PM CET
- 4. Jodi Coleman (axkcg) on 2013/03/22 08:02 PM CET

Detailed Approver History:

- Approval Workflow started on 2013/03/22 06:38 PM CET
 - Approval task originally assigned to and completed by Nadia De Paepe (amiqb) on 2013/03/22 06:40 PM CET
 - Approval task originally assigned to and completed by Jodi Coleman (axkcg) on 2013/03/22 08:02 PM CET
 - Approval task originally assigned to and completed by Joost Felix (abjfx) on 2013/03/26 03:04 AM CET
 - Approval task originally assigned to and completed by Geert Claeys (amclg) on 2013/03/25 05:03 PM CET

Version#	Date Created	Status
4	2013/03/22 06:32 PM CET	Approved - 2013/03/26
3	2013/03/18 01:40 PM CET	Reviewed - 2013/03/22

Version & Status History

2	2013/03/18 01:37 PM CET
1	2013/03/18 01:36 PM CET