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# DigiMam Conformance Statement for DICOM V3.0




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	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
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	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
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## TABLE OF CONTENTS

<b>0</b>	<b>INTRODUCTION .....</b>	<b>5</b>
<b>1</b>	<b>IMPLEMENTATION MODEL.....</b>	<b>6</b>
1.1	APPLICATION DATA FLOW DIAGRAM .....	6
1.2	FUNCTIONAL DEFINITION OF APPLICATION ENTITIES (AE) .....	6
1.3	SEQUENCING OF REAL-WORLD ACTIVITIES .....	7
<b>2</b>	<b>AE SPECIFICATIONS .....</b>	<b>8</b>
2.1	DMAIN AE.....	8
2.1.1	ASSOCIATION ESTABLISHMENT POLICIES .....	8
2.1.1.1	GENERAL .....	8
2.1.1.2	NUMBER OF ASSOCIATIONS .....	8
2.1.1.3	ASYNCHRONOUS NATURE.....	9
2.1.1.4	IMPLEMENTATION IDENTIFYING INFORMATION .....	9
2.1.2	ASSOCIATION INITIATION BY REAL-WORLD ACTIVITY .....	9
2.1.2.1	REAL-WORLD ACTIVITY: "SEND IMAGES" .....	9
2.1.2.2	REAL-WORLD ACTIVITY: "PRINT IMAGES" .....	10
2.1.2.3	REAL-WORLD ACTIVITY: "SEND ECHO REQUEST" .....	15
2.1.3	ASSOCIATION ACCEPTANCE POLICY .....	15
<b>3</b>	<b>COMMUNICATION PROFILES.....</b>	<b>16</b>
3.1	SUPPORTED COMMUNICATION STACKS.....	16
3.2	TCP/IP STACK.....	16
3.2.1	PHYSICAL MEDIA SUPPORT .....	16
<b>4</b>	<b>EXTENSIONS/SPECIALIZATIONS/PRIVATIZATIONS .....</b>	<b>17</b>
4.1	STANDARD EXTENDED/SPECIALIZED/PRIVATE SOPs .....	17
4.2	PRIVATE TRANSFER SYNTAXES .....	17
4.3	AUGMENTED AND PRIVATE APPLICATION PROFILES .....	17
<b>5</b>	<b>CONFIGURATION .....</b>	<b>18</b>
5.1	AE TITLE/PRESENTATION ADDRESS MAPPING .....	18
5.2	CONFIGURABLE PARAMETERS .....	18
<b>6</b>	<b>SUPPORT OF EXTENDED CHARACTER SETS .....</b>	<b>19</b>
<b>7</b>	<b>APPENDIX A – DIGITAL MAMMOGRAPHY X-RAY IMAGE IOD.....</b>	<b>20</b>
7.1	INTRODUCTION.....	20
7.2	IOD MODULE TABLE.....	21
7.3	INFORMATION ENTITIES .....	22
7.3.1	PATIENT IE .....	22
7.3.1.1	PATIENT MODULE.....	22
7.3.2	STUDY IE22 .....	22
7.3.2.1	GENERAL STUDY MODULE.....	22

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05


7.3.3	SERIES IE .....	23
7.3.3.1	GENERAL SERIES MODULE .....	23
7.3.3.2	DX SERIES MODULE .....	23
7.3.3.3	MAMMOGRAPHY SERIES MODULE .....	23
7.3.4	EQUIPMENT IE .....	24
7.3.4.1	GENERAL EQUIPMENT MODULE.....	24
7.3.5	IMAGE IE 24	
7.3.5.1	GENERAL IMAGE MODULE .....	24
7.3.5.2	IMAGE PIXEL MODULE.....	25
7.3.5.3	DX ANATOMY IMAGED MODULE.....	25
7.3.5.4	DX IMAGE MODULE .....	26
7.3.5.5	DX DETECTOR MODULE .....	26
7.3.5.6	DX POSITIONING MODULE.....	27
7.3.5.7	X-RAY ACQUISITION DOSE MODULE .....	27
7.3.5.8	X-RAY GENERATION MODULE .....	28
7.3.5.9	X-RAY FILTRATION MODULE.....	28
7.3.5.10	X-RAY GRID MODULE .....	28
7.3.5.11	MAMMOGRAPHY IMAGE MODULE .....	28
7.3.5.12	VOI LUT MODULE .....	29
7.3.5.13	ACQUISITION CONTEXT MODULE.....	29
7.3.5.14	SOP COMMON MODULE .....	29
7.3.6	IMS PRIVATE BIOPSY IE .....	29
7.3.6.1	GENERAL IMS PRIVATE BIOPSY MODULE .....	29

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## 0 INTRODUCTION

This is a conformance statement for the DigiMam program (including the DICOM upgrade) which is part of the Biopsy Digit-II system.

MERGEKOM-3™ Advanced Integrator's Tool Kit is used to implement and provide DICOM services.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

# 1 IMPLEMENTATION MODEL

## 1.1 Application Data Flow Diagram

The application data flow diagram is shown in Figure 1.1.

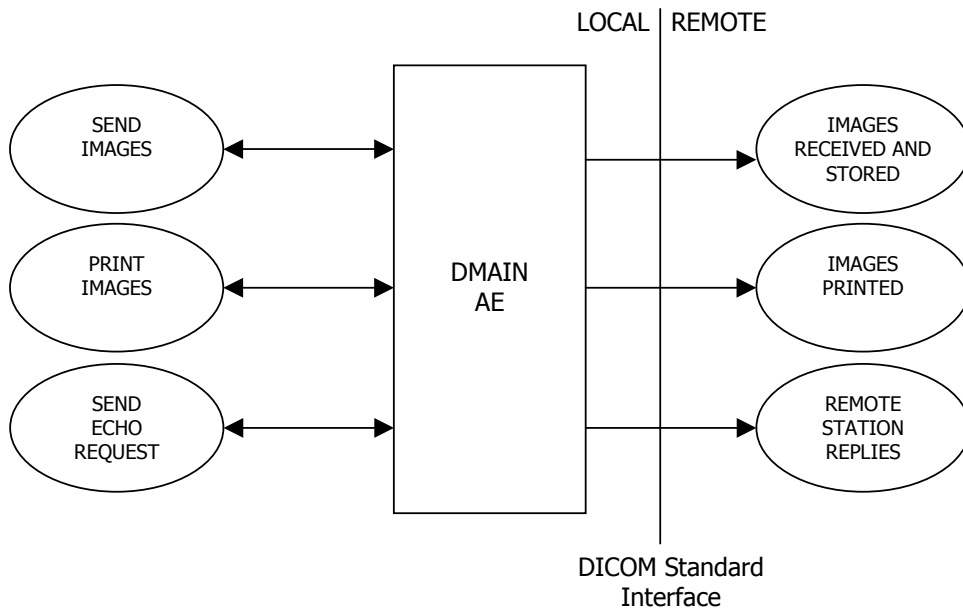


Figure 1.1 – Application data flow diagram for DMAIN AE

As it is clear from the diagram, the DigiMam application is composed by only one Application Entity (DMAIN).


DigiMam supports the following DICOM SOP Classes:

- DICOM Store as SCU (DMAIN AE)
- DICOM Print as SCU (DMAIN AE)
- DICOM Verification as SCU (DMAIN AE)

## 1.2 Functional Definition of Application Entities (AE)

### DMAIN AE:

When the user clicks on the "DICOM Store" (or "DICOM Print") items (they are available on the context menu when right-clicking an image or a database item referring to an image), a dialog box appears showing all the DICOM Store (or DICOM Print) configured

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

stations and all the available options. After the user selects the desired station and options, he can push the "Store" (or "Print") button to send the selected images.


It is also possible to send the Verification message to check the DICOM connection with a remote SCP (DICOM Verification as SCU).

The parameters to be set during installation by a field engineer for this Application Entity are:

- the local AE TITLE;
- all the parameters of the remote Storage SCP's (AE Title, port, network address and store configuration);
- all the parameters of the remote Print SCP's (AE Title, port, network address and print configuration);

### **1.3 Sequencing of Real-World Activities**

Not applicable.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## 2 AE SPECIFICATIONS

### 2.1 DMAIN AE

The DMAIN AE, in conjunction with MergeCOM-3, provides Standard Conformance to the following DICOM V3.0 Service Object Pair (SOP) Classes as a Service Class User (SCU):

SOP Class UID	SOP Class Name
1.2.840.10008.5.1.4.1.1.1.2	Digital Mammography Image Storage – For Presentation
1.2.840.10008.5.1.1.9	Basic Grayscale Print Management (META)
1.2.840.10008.5.1.1.1	Basic Film Session
1.2.840.10008.5.1.1.2	Basic Film Box
1.2.840.10008.5.1.1.4	Basic Grayscale Image Box
1.2.840.10008.5.1.1.16	Printer
1.2.840.10008.1.1	Verification SOP Class

#### 2.1.1 Association Establishment Policies

##### 2.1.1.1 General


The DMAIN AE will initiate an association when:

- a local operator requests to send images over the network to a remote Storage Service Class provider (DICOM Storage as an SCU).
- a local operator requests to print images over the network to a remote DICOM Basic Print provider (DICOM Print as an SCU).
- a local operator requests the verification of a remote Storage or Print SCP (DICOM Verification as an SCU).

The maximum PDU size is configurable from a minimum of 4096 bytes. The default value is 28672 bytes.

##### 2.1.1.2 Number of Associations

The DMAIN AE opens one different association for each image to be sent or to be printed. For each remote AE, the DMAIN AE will only open 1 associations at the same time when sending storage or print messages.

	<b>Document Information</b>		
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00	
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05	

### 2.1.1.3 Asynchronous Nature

The DMAIN AE does not support asynchronous communication (multiple outstanding transactions over a single association).

### 2.1.1.4 Implementation Identifying Information

The Implementation Class Unique Identifier (UID) for the DMAIN AE is:

**2.16.840.1.113669.632.25.1.99**

### 2.1.2 Association Initiation by Real-World Activity

1. Send Images
2. Print Images
3. Send Echo Request

#### 2.1.2.1 Real-World Activity: "Send Images"

##### 2.1.2.1.1 Associated Real-World Activity for "Send Images"


This real-world activity is initiated:

- When the user selects one or more images, selects the "DICOM Store" item from the context menu and then selects the remote AE, the DMAIN AE initiates an association for each image. Every association is closed when the image has been sent (successfully or not) to the remote SCP.

##### 2.1.2.1.2 Proposed Presentation Contexts for "Send Images"

The presentation contexts that are proposed by DMAIN AE for the "Send Images" real-world activity are:

<b>Presentation Context Table</b>					
<b>Abstract Syntax</b>		<b>Transfer Syntax</b>		<b>Role</b>	<b>Extended Negotiation</b>
<b>Name</b>	<b>UID</b>	<b>Name List</b>	<b>UID List</b>		
Digital Mammography Image Storage – For Presentation	1.2.840.10008.5.1.1.1.2	Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None
		Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Big Endian	1.2.840.10008.1.2.2		

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

#### 2.1.2.1.2.1 SOP Specific Conformance Statement for Digital Mammography Image Storage – For Presentation SOP Class

The DMAIN AE will react in the following ways to the different C-STORE response status:

- Refused: the SCU will show in the "Queue Manager" the FAILED status for the image to be sent.
- Error: the SCU will show in the "Queue Manager" the FAILED status for the image to be sent.
- Warning: the SCU will show in the "Queue Manager" the SUCCESS status for the image to be sent.
- Success: the SCU will show in the "Queue Manager" the SUCCESS status for the image to be sent.

The DMAIN AE will not attempt any extended negotiation.

The attributes of the Storage SOP Instances which are created by the DigiMam application are listed in


APPENDIX A – DIGITAL MAMMOGRAPHY X-RAY IMAGE IOD (chapter 7).

### 2.1.2.2 Real-World Activity: "Print Images"

#### 2.1.2.2.1 Associated Real-World Activity for "Print Images"

This real-world activity is initiated:

- When the user selects one or more images, selects the "DICOM Print" item from the context menu and then selects the remote AE, the DMAIN AE initiates an association for each image. Every association is closed when the image has been sent (successfully or not) to the remote SCP.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

#### 2.1.2.2.2 Proposed Presentation Contexts for "Print Images"

The presentation contexts that are proposed by DMAIN AE for the "Print Images" real-world activity are:

<b>Presentation Context Table</b>					
<b>Abstract Syntax</b>		<b>Transfer Syntax</b>		<b>Role</b>	<b>Extended Negotiation</b>
<b>Name</b>	<b>UID</b>	<b>Name List</b>	<b>UID List</b>		
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None
		Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Big Endian	1.2.840.10008.1.2.2		


#### 2.1.2.2.2.1 SOP Specific Conformance Statement for Basic Grayscale Print Management Meta SOP Class

DMAIN AE supports the following SOP Classes contained in the for Basic Grayscale Print Management Meta SOP Class:

<b>SOP Class UID</b>	<b>SOP Class Name</b>
1.2.840.10008.5.1.1.1	Basic Film Session
1.2.840.10008.5.1.1.2	Basic Film Box
1.2.840.10008.5.1.1.4	Basic Grayscale Image Box
1.2.840.10008.5.1.1.16	Printer

#### 2.1.2.2.2.1.1 Attributes and DIMSE Service Elements for Basic Film Session SOP Class

<b>DIMSE Service Element</b>	<b>Usage SCU</b>
N-CREATE	M
N-SET	Not used
N-DELETE	Not used
N-ACTION	Not used


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

N-CREATE attributes sent to the SCP:

Attribute Name	Tag	Notes
Number of Copies	(2000,0010)	Set by the user (default is 1)
Print Priority	(2000,0020)	Set by the user (the default value is MEDIUM)
Medium type	(2000,0030)	Set by the user (the default value is fixed during installation)
Film Destination	(2000,0040)	Set by the user (the default value is fixed during installation)

#### 2.1.2.2.1.2 Attributes and DIMSE Service Elements for Basic Film Box SOP Class

DIMSE Service Element	Usage SCU
N-CREATE	M
N-SET	M
N-DELETE	Not used
N-ACTION	Not used


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

N-CREATE attributes sent to the SCP:

Attribute Name	Tag	Notes
Image Display Format	(2010,0010)	Fixed to STANDARD\1,1
Referenced Film Session Sequence	(2000,0500)	
>Referenced SOP Class UID	(0008,1150)	Fixed to 1.2.840.10008.5.1.1.1
>Referenced SOP Instance UID	(0008,1155)	Given from the Film Session N_CREATE Response
Film Orientation	(2010,0040)	PORTRAIT
Film Size ID	(2010,0050)	Set by the user (the default value is fixed during installation)
Magnification Type	(2010,0060)	Fixed during installation
Max Density	(2010,0130)	Fixed during installation
Smoothing Type	(2010,0080)	Fixed during installation
Min Density	(2010,0120)	Fixed during installation
Trim	(2010,0140)	Fixed during installation
Configuration Information	(2010,0150)	Fixed during installation. If it is empty, it is not sent

#### 2.1.2.2.2.1.3 Attributes and DIMSE Service Elements for Basic Grayscale Image Box SOP Class

DIMSE Service Element	Usage SCU
N-SET	M

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

N-SET attributes sent to the SCP:


Attribute Name	Tag	Notes
Image Position	(2020,0010)	Fixed to 1
Basic Grayscale Image Sequence	(2020,0110)	
>Samples Per Pixel	(0028,0002)	Fixed to 1
>Photometric Interpretation	(0028,0004)	Fixed to MONOCHROME2
>Rows	(0028,0010)	Variable according to the image
>Columns	(0028,0011)	Variable according to the image
>Pixel Aspect Ratio	(0028,0034)	Fixed to 1\1
>Bits Allocated	(0028,0100)	Fixed to 8
>Bits Stored	(0028,0101)	Fixed to 8
>High Bit	(0028,0102)	Fixed to 7
>Pixel Representation	(0028,0103)	Fixed to 0000H
>Pixel Data	(7FE0,0010)	Data Matrix
Configuration Information	(2010,0150)	Fixed during installation (the same as in the FilmBox). If it is empty, it is not sent
Requested Image Size	(2020,0030)	Sent only if configured during installation

#### 2.1.2.2.1.4 Attributes and DIMSE Service Elements for Printer SOP Class

DIMSE Service Element	Usage SCU
N-EVENT-REPORT	M
N-GET	U

N-EVENT\_REPORT attributes handled from the SCU:

Event Type Name	Event Type ID	Attribute	Tag	Usage SCU
Normal	1			
Warning	2	Printer Status Info	(2110,0020)	U
Failure	3	Printer Status Info	(2110,0020)	U

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

N-GET attributes received from the SCP:

Attribute Name	Tag	Notes
Printer Status	(2110,0010)	
Printer Status Info	(2110,0020)	

### 2.1.2.3 Real-World Activity: "Send Echo Request"

#### 2.1.2.3.1 Associated Real-World Activity for "Send Echo Request"

The DMAIN AE initiates one association when the operator opens the DICOM Configuration tool, selects a remote storage or print station and clicks on the "Verify" button. Every association is closed when the echo request has been sent (successfully or not) to the remote SCP.

#### 2.1.2.3.2 Proposed Presentation Contexts for "Send Echo Request"

The presentation contexts that are proposed by DMAIN AE for the "Send Echo Request" real-world activity are:


<b>Presentation Context Table</b>					
<b>Abstract Syntax</b>		<b>Transfer Syntax</b>		<b>Role</b>	<b>Extended Negotiation</b>
<b>Name</b>	<b>UID</b>	<b>Name List</b>	<b>UID List</b>		
Verification SOP Class	1.2.840.10008.1.1	Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None
		Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Big Endian	1.2.840.10008.1.2.2		

#### 2.1.2.3.3 SOP Specific Conformance for Verification SOP Class

The DMAIN AE provides standard conformance to the DICOM Verification SOP Class as a Service Class User (SCU).

### 2.1.3 Association Acceptance Policy

The DMAIN AE does not accept any association.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 3 COMMUNICATION PROFILES

#### 3.1 Supported Communication Stacks


DigiMam provides DICOM V3.0 TCP/IP Network Communication Support as defined in PS 3.8.

#### 3.2 TCP/IP Stack

DigiMam uses the MergeCOM-3 Advanced DICOM Tool Kit to communicate over the TCP/IP protocol stack on any physical interconnection media supporting the TCP/IP stack. The tool kit inherits the TCP/IP stack from the operating system upon which it executes.

##### 3.2.1 Physical Media Support

DigiMam is indifferent to the physical medium over which TCP/IP executes; it inherits this from the operating system on which it exists.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## **4 EXTENSIONS/SPECIALIZATIONS/PRIVATIZATIONS**

### **4.1 Standard Extended/Specialized/Private SOPs**


None supported.

### **4.2 Private Transfer Syntaxes**

None supported.

### **4.3 Augmented And Private Application Profiles**

No augmented or private application profiles are implemented by this application.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## 5 CONFIGURATION

### 5.1 AE Title/Presentation Address Mapping

Every AE (local or remote) can be configured by the operator by using the "DICOM Configuration" tool.

These information are used by the MergeCOM-3 Advanced DICOM Tool Kit to communicate over the TCP/IP protocol stack.

### 5.2 Configurable Parameters


The mergecom.pro configuration file can be used to set or modify some lower-level communication parameters.

**Most parameters in this file should NEVER be changed.**

**Doing so could break DICOM conformance.**


Before modifying any parameters, be sure to have a backup of the originally supplied mergecom.pro file.

Also, before modifying any parameters, you shall contact IMS s.r.l. in advice.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## 6 SUPPORT OF EXTENDED CHARACTER SETS

Not supported.


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## **7 APPENDIX A – DIGITAL MAMMOGRAPHY X-RAY IMAGE IOD**

### **7.1 Introduction**

This section specifies the use of the DICOM Digital Mammography X-ray (MG) Image IOD to represent the information included in MG images produced by this implementation.


This appendix describes Digital Mammography Image Storage – For Presentation IOD.

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

## 7.2 IOD Module Table

The following table shows all the standard and private modules supported by the images produced by this implementation:

<b>IE</b>	<b>Module</b>	<b>Usage</b>	<b>Reference</b>
Patient	Patient	M	7.3.1.1
	Specimen Identification	U (Not used)	---
	Clinical Trial Subject	U (Not Used)	---
Study	General Study	M	7.3.2.1
	Patient Study	U (Not Used)	---
	Clinical Trial Study	U (Not Used)	---
Series	General Series	M	7.3.3.1
	Clinical Trial Series	U (Not Used)	---
	DX Series	M	7.3.3.2
	Mammography Series	M	7.3.3.3
Frame Of Reference	Frame Of Reference	C (Not Used)	---
Equipment	General Equipment	M	7.3.4.1
Image	General Image	M	7.3.5.1
	Image Pixel	M	7.3.5.2
	Contrast / Bolus	U (Not Used)	---
	Display Shutter	U (Not Used)	---
	Device	U (Not Used)	---
	Therapy	U (Not Used)	---
	DX Anatomy Imaged	M	7.3.5.3
	DX Image	M	7.3.5.4
	DX Detector	M	7.3.5.5
	X-Ray Collimator	U (Not Used)	---
	DX Positioning	U	7.3.5.6
	X-Ray Tomo Acquisition	U (Not Used)	---
	X-Ray Acquisition Dose	U	7.3.5.7
	X-Ray Generation	U	7.3.5.8
	X-Ray Filtration	U	7.3.5.9
	X-Ray Grid	U	7.3.5.10
	Mammography Image	M	7.3.5.11
	Overlay Plane	C (Not Used)	---
Curve	U (Not Used)	---	

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

	VOI LUT	C	7.3.5.12
	Image Histogram	U (Not Used)	---
	Acquisition Context	M	7.3.5.13
	SOP Common	M	7.3.5.14
IMS Private Biopsy	General IMS Private Biopsy	Private	7.3.6.1

## 7.3 Information Entities

### 7.3.1 Patient IE


#### 7.3.1.1 Patient Module

Attribute Name	Tag	Type	Attribute Description
Patient's Name	(0010,0010)	2	The value is entered by the user
Patient ID	(0010,0020)	2	The value is entered by the user
Patient's Birth Date	(0010,0030)	2	The value is entered by the user
Patient's Sex	(0010,0040)	2	Fixed to F

### 7.3.2 Study IE

#### 7.3.2.1 General Study Module

Attribute Name	Tag	Type	Attribute Description
Study Instance UID	(0020,000D)	1	The value is generated by the system
Study Date	(0008,0020)	2	The system set it to today's date when generating a new study
Study Time	(0008,0030)	2	The system set it to current time when generating a new study
Referring Physician's name	(0010,0040)	2	The value is entered by the user
Study ID	(0020,0010)	2	The value is generated by the system
Accession Number	(0008,0050)	2	The value is set to a NULL value
Study Description	(0008,1030)	3	The value is entered by the user

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.3 Series IE

#### 7.3.3.1 General Series Module


Attribute Name	Tag	Type	Attribute Description
Modality	(0008,0060)	1	Fixed to MG
Series Instance UID	(0020,000E)	1	Generated by the system
Series Number	(0020,0011)	2	Generated by the system
Series Date	(0008,0020)	3	The system set it to today's date when generating a new serie
Series Time	(0008,0030)	3	The system set it to current time when generating a new serie
Performing Physician's Name	(0008,1050)	3	The value is entered by the user
Operator's Name	(0008,1070)	3	The value is entered by the user
Body Part Examined	(0018,0015)	3	Fixed to BREAST

#### 7.3.3.2 DX Series Module

Attribute Name	Tag	Type	Attribute Description
Modality	(0008,0060)	1	Set in General Series Module
Presentation Intent Type	(0008,0068)	1	FOR PRESENTATION

#### 7.3.3.3 Mammography Series Module

Attribute Name	Tag	Type	Attribute Description
Modality	(0008,0060)	1	Set in General Series Module

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.4 Equipment IE


#### 7.3.4.1 General Equipment Module

Attribute Name	Tag	Type	Attribute Description
Manufacturer	(0008,0070)	2	Fixed to IMS s.r.l.
Station Name	(0008,1010)	3	Fixed to BIOPSY DIGIT-II
Manufacturer's Model Name	(0008,1090)	3	Fixed to BIOPSY DIGIT-II

### 7.3.5 Image IE

#### 7.3.5.1 General Image Module

Attribute Name	Tag	Type	Attribute Description
Instance Number	(0020,0013)	2	Fixed to NULL
Patient Orientation	(0020,0020)	2C	According to the view position: RCC, LCC: .....L/A RMLO: .....FL/A RML: .....F/A LML: .....H/A LMLO: .....HL/A The images have been rotated by 90° to the left during acquisition
Content Date	(0008,0023)	2C	Same as acquisition date
Content Time	(0008,0033)	2C	Same as acquisition time
Image Type	(0008,0008)	3	Fixed to ORIGINAL\PRIMARY
Acquisition Date	(0008,0022)	3	Acquisition date
Acquisition Time	(0008,0032)	3	Acquisition Time
Burned In Annotations	(0028,0301)	3	Fixed to NO


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.5.2 Image Pixel Module

Attribute Name	Tag	Type	Attribute Description
Samples per Pixel	(0028,0002)	1	Fixed to 1
Photometric Interpretation	(0028,0004)	1	Fixed to MONOCHROME1
Rows	(0028,0010)	1	According to the image dimensions
Columns	(0028,0011)	1	According to the image dimensions
Bits Allocated	(0028,0100)	1	Fixed to 16
Bits Stored	(0028,0101)	1	Fixed to 14
High Bit	(0028,0102)	1	Fixed to 13
Pixel Representation	(0028,0103)	1	Fixed to 0000H
Pixel Data	(7FE0,0010)	1	Data Matrix
Pixel Aspect Ratio	(0028,0034)	1C	Fixed to 1\1

### 7.3.5.3 DX Anatomy Imaged Module

Attribute Name	Tag	Type	Attribute Description
Image Laterality	(0020,0062)	1	L or R (selected on the user interface)
Anatomic Region Sequence	(0008,2218)	2	
>Code Value	(0008,0100)	1C	Fixed to T-04000
>Coding Scheme Designator	(0008,0102)	1C	Fixed to SNM3
>Code Meaning	(0008,0104)	1C	Fixed to Breast


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.5.4 DX Image Module

Attribute Name	Tag	Type	Attribute Description
Image Type	(0008,0008)	1	Set in General Image Module
Samples per Pixel	(0028,0002)	1	Set in Image Pixel Module
Photometric Interpretation	(0028,0004)	1	Set in Image Pixel Module
Bits Allocated	(0028,0100)	1	Set in Image Pixel Module
Bits Stored	(0028,0101)	1	Set in Image Pixel Module
High Bit	(0028,0102)	1	Set in Image Pixel Module
Pixel Representation	(0028,0103)	1	Set in Image Pixel Module
Pixel Intensity Relationship	(0028,1040)	1	Fixed to LIN
Pixel Intensity Relationship Sign	(0028,1041)	1	Fixed to 1
Rescale Intercept	(0028,1052)	1	Fixed to 0
Rescale Slope	(0028,1053)	1	Fixed to 1
Rescale Type	(0028,1054)	1	Fixed to US
Presentation LUT Shape	(2050,0020)	1	Fixed to INVERSE
Patient Orientation	(0020,0020)	1	Set in General Image Module
Window Center	(0028,1050)	1	Set during image creation
Window Width	(0028,1051)	1	Set during image creation

### 7.3.5.5 DX Detector Module

Attribute Name	Tag	Type	Attribute Description
Detector Type	(0018,7004)	2	Fixed to DIRECT
Detector Configuration	(0018,7005)	3	Fixed to AREA
Field of View Shape	(0018,1147)	3	Fixed to RECTANGLE
Field of View Dimension	(0018,1149)	3	According to the dimensions of the image
Imager Pixel Spacing	(0018,1164)	1	According to the pixel size


	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.5.6 DX Positioning Module

Attribute Name	Tag	Type	Attribute Description
View Position	(0018,5101)	3	According to the parameter entered by the user
View Code Sequence	(0054,0220)	3	Includes one and only one item
>Code Value	(0008,0100)	1C	According to parameters set on the Giotto console and SNM-3
>Coding Scheme Designator	(0008,0102)	1C	Always SNM-3
>Code Meaning	(0008,0104)	1C	According to DICOM standard
>View Modifier Code Sequence	(0054,0222)	3	Fixed to NULL
Positioner Type	(0018,1508)	3	Fixed to MAMMOGRAPHIC
Detector Primary Angle	(0018,1530)	3	Fixed to 0
Detector Secondary Angle	(0018,1530)	3	According to the tube position

### 7.3.5.7 X-Ray Acquisition Dose Module

Attribute Name	Tag	Type	Attribute Description
KVP	(0018,0060)	3	According to the exposure
Exposure Time	(0018,1150)	3	According to the exposure
Exposure	(0018,1152)	3	According to the exposure
Organ Dose	(0040,0316)	3	Fixed to 0.0
Organ Exposed	(0040,0318)	3	Fixed to BREAST
Anode Target Material	(0018,1191)	3	Fixed to MOLYBDENUM
Filter Material	(0018,7050)	3	Fixed to MOLYBDENUM

	<b>Document Information</b>	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.5.8 X-Ray Generation Module

Attribute Name	Tag	Type	Attribute Description
KVP	(0018,0060)	3	Set in X-Ray Acquisition Dose Module
Exposure Time	(0018,1150)	3	Set in X-Ray Acquisition Dose Module
Exposure	(0018,1152)	3	Set in X-Ray Acquisition Dose Module
Anode Target Material	(0018,1191)	3	Set in X-Ray Acquisition Dose Module

### 7.3.5.9 X-Ray Filtration Module


Attribute Name	Tag	Type	Attribute Description
Filter Type	(0018,1160)	3	Fixed to STRIP
Filter Material	(0018,7050)	3	Set in X-Ray Acquisition Dose Module

### 7.3.5.10 X-Ray Grid Module

Attribute Name	Tag	Type	Attribute Description
Grid	(0018,1166)	3	Fixed to NONE

### 7.3.5.11 Mammography Image Module

Attribute Name	Tag	Type	Attribute Description
Positioner Type	(0018,1508)	1	Set in DX Positioning Module
Image Laterality	(0020,0062)	1	Set in DX Anatomy Imaged Module
Organ Exposed	(0040,0318)	1	Set in X-Ray Acquisition Dose Module
Anatomic Region Sequence	(0008,2218)	1	Set in DX Anatomy Imaged Module
View Code Sequence	(0054,0220)	3	Set in DX Positioning Module

	Document Information	
	<b>File Name:</b> DigiMam DICOM Conformance Statement v1.00	<b>Version:</b> 1.00
	<b>Owner:</b> IMS s.r.l.	<b>Date:</b> 15-Feb-05

### 7.3.5.12 VOI LUT Module

Attribute Name	Tag	Type	Attribute Description
Window Center	(0028,1050)	1	Set in DX Image Module
Window Width	(0028,1051)	1	Set in DX Image Module

### 7.3.5.13 Acquisition Context Module

Attribute Name	Tag	Type	Attribute Description
Acquisition Context Sequence	(0040,0555)	2	Fixed to a NULL value

### 7.3.5.14 SOP Common Module

Attribute Name	Tag	Type	Attribute Description
Specific Character Set	(0008,0005)	1C	Fixed to ISO_IR 100: Latin Alphabet No.1
SOP Class UID	(0008,0016)	1	According to DICOM standard
SOP Instance UID	(0008,0018)	1	Generated by the system

## 7.3.6 IMS Private Biopsy IE

### 7.3.6.1 General IMS Private Biopsy Module

This module is a private module: the private identification code string of this module is "IMS s.r.l. Biopsy Private Code" and the private group number is 0x1269.

Attribute Name	Tag	Type	VR	VM	Attribute Description
Biopsy Image	(1269,yy01)	3	IS	1	Fixed to 1