

# AGFA HEALTHCARE DICOM Conformance Statement Addendum

→ **IMPAX and IMPAX Solution**

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## Document Information

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## Conformance Statement Addendum Overview

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The Conformance Statement Addendum is intended to document any addenda or corrections that are identified after the DICOM Conformance Statement of the respective released product has been published. It is intended to be used in conjunction with the original published DICOM Conformance Statement of the respective released product.

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# 1 INTRODUCTION

## 1.1 Revision Record

Dicom Conformance Statement Template node ID: 8818332		
Revision Number	Date	Reason for Change
1.0	January 2007	Final revision
1.1	June 2007	B.L: Add table with template node ID of DCS in Revision Record. Minor cosmetic changes

Dicom Conformance Statement Addendum IMPAX and IMPAX Solution		
Revision Number	Date	Reason for Change
0.1	27/03/2008	Initial revision
1.0	31/03/2008	Updated based on reviewers' comments
1.1	02/04/2008	Document approved

## 1.2 Purpose and Intended Audience of this Document

This document is a DICOM Conformance Statement Addendum for the DICOM Services of the IMPAX and IMPAX Solution products.

The user of this document is involved with system integration and/or software design. We assume that the reader is familiar with the terminology and concepts that are used in the DICOM 3.0 standard and the IHE Technical Framework.

Readers not familiar with DICOM 3.0 terminology should first read the appropriate parts of the DICOM standard itself, prior to reading this conformance statement addendum.

Although the use of this conformance statement addendum in conjunction with the original conformance statement of the respective released product and DICOM 3.0 standard is intended to facilitate communication with Agfa IMPAX and IMPAX Solution, it is not sufficient to guarantee, by itself, the inter-operation of the connection. The following issues need to be considered:

## 1.3 General Remarks

### 1.3.1 Integration and Validation Activities

The integration of any device into a system of interconnected devices goes beyond the scope of the DICOM 3.0 standard and this conformance statement addendum in conjunction with the conformance statement of the respective released product when *interoperability* is desired. The responsibility for analyzing the applications requirements and developing a solution that integrates the Agfa equipment with other vendors' systems is the user's responsibility and should not be underestimated.

In some circumstances it might be necessary to perform a validation to make sure that functional interoperability between the Agfa equipment and non-Agfa devices works as

expected. The user should ensure that any non-Agfa provider accepts responsibility for any validation required for their connection with the Agfa equipment.

### 1.3.2 Future Evolution

As the DICOM 3.0 standard evolves to meet the user's growing requirements and to incorporate new features and technologies, Agfa will follow the evolution of the standard. This evolution of the standard may require changes to devices that have implemented DICOM 3.0. The user should ensure that any non-Agfa provider, who connects with Agfa devices, also plans for future evolution of the DICOM standard. A refusal to do so may result in the loss of functionality and/or connectivity between the different products.

## 1.4 Acronyms and Abbreviations

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard. Abbreviations and terms are as follows:

AE	DICOM Application Entity
AET	Application Entity Title
ASCE	Association Control Service Element
CD-R	Compact Disk Recordable
DICOM	Digital Imaging and Communications in Medicine
FSC	File-Set Creator
FSU	File-Set Updater
FSR	File-Set Reader
GSDF	Grayscale Standard Display Function
GSPS	Grayscale Softcopy Presentation State
IE	Information Entity
IOD	(DICOM) Information Object Definition
ISO	International Standard Organization
MPPS	Modality Performed Procedure Step
MSPS	Modality Scheduled Procedure Step
PDU	DICOM Protocol Data Unit
SCU	DICOM Service Class User (DICOM client)
SCP	DICOM Service Class Provider (DICOM server)
SOP	DICOM Service-Object Pair
UID	Unique Identifier
VR	Value Representation

## 1.5 Related Documents

- ACR-NEMA Digital Imaging and Communications in Medicine (DICOM) V3.0.2008
- IHE Radiology Technical Framework Revision 7 – Final Text, May 2006.

## 2 ADDENDUM

### 2.1 Storage of PET/CT

#### 2.1.1 Affected Released Products

Release Product Name	Released Product DICOM Conformance Statement
IMPAX 4.5	<a href="#">000702</a>

#### 2.1.2 Description

IMPAX supports the storage of fused PET/CT series (fusion done at the modality prior to sending into IMPAX). DICOM does not stipulate a SOP Class for fused series. They will typically be labeled with modality (0008,0060) PET, CT, OT or SC. Agfa does not recommend using IMPAX to diagnose fused PET/CT series.

IMPAX supports the storage of PET series but not display.

### 2.2 Storage and Display of PET/CT

#### 2.2.1 Affected Released Products

Release Product Name	Released Product DICOM Conformance Statement
IMPAX 5.2	<a href="#">001037</a>
IMPAX DS 1000 Release 5.2	<a href="#">001127</a>
IMPAX ES Release 5.2.3	<a href="#">001128</a>
IMPAX 6.0 Solution	<a href="#">001036</a>
IMPAX 6.2.x and 6.3.x Solution	<a href="#">001126</a>

#### 2.2.2 Description

IMPAX supports the storage and display of fused PET/CT series (fusion done at the modality prior to sending into IMPAX). DICOM does not stipulate a SOP Class for fused series. They will typically be labeled with modality (0008,0060) PET, CT, OT or SC. Agfa does not recommend using IMPAX to diagnose fused PET/CT series.

IMPAX supports the storage and display of PET series.

### 3

### CORRECTION

There is currently no correction.



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