DICOM Conformance Statement

Application Annex:

Ultrasound Viewer on Xcelera R3.2L1 SP2

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1. Introduction

This DICOM Conformance Statement annex is applicable to the Ultrasound Viewer on Xcelera R3.2L1 SP2 hosting platform. In general the Ultrasound Viewer is the user environment for viewing and analyzing Ultrasound Images.

1.1. Revision History

The revision history below provides dates and differences among individual document versions.

Table 1: Revision History

Document Version	Date of Issue	Status	Description
00	02-January-2012	Final version	Initial version

1.2. Terminology

DICOM	Digital Imaging and Communications in Medicine
IOD	Information Object Definition
UID	Unique Identifier
VR	Value Representation

2. Data Specifications

2.1. Supported IOD's

This section specifies each IOD accepted and / or created by Ultrasound Viewer.

ACCEPTED The applicable IOD is accepted for storage in the repository of the hosting platform and supported for import in Ultrasound Viewer for viewing and analysis.

CREATED The Ultrasound Viewer supports generation of derived data by using the applicable IOD and is able to store this data in the repository of the hosting platform.

Table 2: Supported IOD's

IOD		Support	
Name	**UID**	**ACCEPTED**	**CREATED**
Basic Text SR SOP Class	1.2.840.10008.5.1.4.1.1.88.11	Yes	No
Comprehensive SR SOP Class	1.2.840.10008.5.1.4.1.1.88.33	Yes	No
Ultrasound Image Storage SOP Class	1.2.840.10008.5.1.4.1.1.6.1	Yes	No
Ultrasound Multi-frame Image Storage SOP Class	1.2.840.10008.5.1.4.1.1.3.1	Yes	No
Ultrasound Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6	Yes	No
Ultrasound Multi-frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3	Yes	No

2.1.1. Acceptance Criteria

This section specifies the acceptance criteria applied by Ultrasound Viewer to which a dataset should adhere before it can be imported into the application. This can be criteria on the highest level (e.g. data from a certain manufacturer or system model) or certain DICOM attributes mandatory to be present into the dataset holding a specific value. In case one or more Philips private attributes are required, then a list of supported Philips system models will be mentioned.

Table 3: Accepted system models

Manufacturer	Modality	System Model Name(s)
Not applicable	Not applicable	Not applicable

Table 4: Accepted transfer syntaxes per IOD

IOD	
Name	**UID**
Basic Text SR SOP Class	1.2.840.10008.5.1.4.1.1.88.11
Comprehensive SR SOP Class	1.2.840.10008.5.1.4.1.1.88.33
Ultrasound Image Storage SOP Class	1.2.840.10008.5.1.4.1.1.6.1
Ultrasound Multi-frame Image Storage SOP Class	1.2.840.10008.5.1.4.1.1.3.1
Ultrasound Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6
Ultrasound Multi-frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3

Table 5: Accepted attribute values

Attribute Name	Attribute Number	Values / Comments
Modality	0008,0060	Must equal to “IVUS”, “US”, “SR”