

DICOM 3.0 Conformance Summary

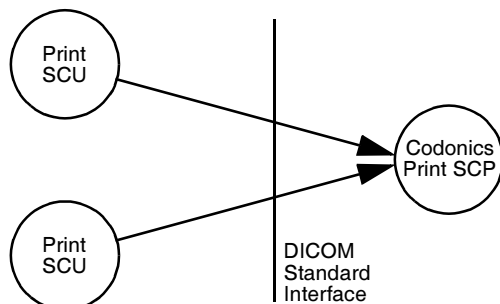
Technical Brief

Introduction

This document is a simplified DICOM conformance claim for the Codonics NP-1600MD Medical DICOM Printer.

Implementation Model

Application Data Flow Diagram:



Functional Definitions of AE's

When printing is invoked by the client (SCU), it will make use of the SOP classes defined for Print Management. The client will send images plus specific print management requests as defined by DICOM.

A client will typically proceed as follows:

- ◆ Establish a DICOM association.
- ◆ Request information about the printer.
- ◆ Create a film session.
- ◆ Create the first film box.
- ◆ For each image box in the film box, attach an image object to it.
- ◆ Ask that the film box be printed.
- ◆ Delete the film box.
- ◆ If, necessary, create, populate and print additional film boxes.
- ◆ Close the association.

Multiple clients can be working concurrently.

Communications Profiles

The NP-1600MD uses TCP/IP for the protocol stacks.

Print Formats

The NP-1600MD supports all standard print formats.

AE Specifications

The Codonics NP-1600MD provides standard conformance to the following DICOM V3.0 SOP classes as an SCP:

SOP Class Name	SOP Class UID
Verification	1.2.840.10008.1.1
Basic Greyscale Print Management Meta	1.2.840.10008.5.1.1.9
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18
Basic Film Session	1.2.840.10008.5.1.1.1
Basic Film Box	1.2.840.10008.5.1.1.2
Basic Greyscale Image Box	1.2.840.10008.5.1.1.4
Basic Color Image Box	1.2.840.10008.5.1.1.4.1
Basic Print Job	1.2.840.10008.5.1.1.14
Printer	1.2.840.10008.5.1.1.16

Note: Support for the Meta SOP Class implies support for the corresponding preformatted image, film session, film box, image box and printer SOP Classes.

Establishment Policies Association

The SCU will make an association, requesting one or more of the above SOP classes.

Presentation Contexts

The Codonics NP-1600MD supports the following transfer syntax.

- ◆ DICOM Implicit VR Little Endian Transfer Syntax

Get it all with just one call
1-800-444-1198



CODONICS
We bring the future into focus

17991 Englewood Drive
Middleburg Heights, OH 44130 USA
(440) 243-1198
(440) 243-1334 Fax
Email info@codonics.com
www.codonics.com