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Digital Imaging and Communications in Medicine (DICOM)

SUPPLEMENT 25

ULTRASOUND APPLICATION PROFILE MEDIA EXTENSIONS

Supplement to NEMA PS 3.11, Annex B

Status: Final Text, Sep 25th, 1997

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Foreword

This draft Supplement to the DICOM Standard was developed according to NEMA Procedures. The Supplement was developed in liaison with other Standards Organizations including CEN/TC 251 in Europe and MEDIS-DC and JIRA in Japan, with review also by other organizations who are members of the ANSI Healthcare Informatics Standards Board (HISB).

The DICOM standard is structured as a multi-part document using the guidelines established in the following document:

- ISO/IEC Directives, 1989 Part 3 - Drafting and Presentation of International Standards.

This document is a Supplement to the DICOM Standard. It is an extension to PS3.3, 3.4 and 3.6 of the published DICOM Standard which consists of the following parts:

PS3.1	—	Introduction and Overview
PS3.2	—	Conformance
PS3.3	—	Information Object Definitions
PS3.4	—	Service Class Specifications
PS3.5	—	Data Structures and Encoding
PS3.6	—	Data Dictionary
PS3.7	—	Message Exchange
PS3.8	—	Network Communication Support for Message Exchange
PS3.9	—	Point-to-Point Communication Support for Message Exchange
PS3.10	—	Media Storage and File Format
PS3.11	—	Media Storage Application Profiles
PS3.12	—	Media Formats and Physical Media
PS3.13	—	Print Management - Point-to-point Communication Support

These Parts are independent but related documents.

Scope and Field of Application

This Supplement to the DICOM Standard specifies new media choices added to the Ultrasound Application profile.

Since this document proposes changes to existing Parts of DICOM the reader should have a working understanding of the Standard.

This proposed Supplement includes a Addendum to an existing Part of DICOM:

- 1.PS3.11 Addendum (Extension to Annex B)

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Part 11, Annex B Addendum

Change from five to eight pieces of media

The suffix, xxxx, is used to describe the actual media choice used for the conformance claim. Any of the above mentioned classes can be stored onto one of **eight** pieces of media described in the Table B.3.3.

Add 90 mm 230MB & 540MB MOD and 130 mm 2.3GB MOD media to Table B.3-3 in Annex B of PS3.11

Add Column to identify media with proper PS3.12 Annex

Change Media descriptions to match PS3.12 Annexes

B.3.2 Physical Media And Media Formats

An ultrasound application profile class may be supported by any one of the media described in Table B.3-3.

**Table B.3-3
MEDIA CLASSES**

Media	Media Classes	Media Format	PS3.12
1.44MB Floppy Disc	FLOP	DOS	Annex B
90 mm 128MB MOD	MOD128	DOS, unpartitioned (removable media)	Annex C
90 mm 230MB MOD	MOD230	DOS, unpartitioned (removable media)	Annex G
90 mm 540MB MOD	MOD540	DOS, unpartitioned (removable media)	Annex H
130 mm 650MB MOD	MOD650	DOS, unpartitioned (removable media)	Annex D
130 mm 1.2GB MOD	MOD12	DOS, unpartitioned (removable media)	Annex E
130 mm 2.3GB MOD	MOD23	DOS, unpartitioned (removable media)	Annex I
CD-R	CDR	ISO/IEC 9660	Annex F