

1	Status	Letter Ballot
2	Date of Last Update	2015/01/06
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	David Clunie
6		mailto:dclunie@dclunie.com
7	Submission Date	2014/09/02

8	Correction Number CP-1428
9	Log Summary: Use Pixel Measures in Enhanced US Volume
10	Name of Standard
11	PS3.3 2015a
12	Rationale for Correction:
13	The Enhanced US Volume IOD failed to use the Pixel Measures functional group that is used by all other enhanced family IODs to
14	describe the Pixel Spacing. There is no reason for this gratuitous inconsistency.
15	Add it as a required functional group.
16	Currently Pixel Spacing is Type 1 in the Enhanced US Image Module. Remove it.
17	Since the Enhanced US Volume IOD has not yet been widely adopted, it is reasonable to make these changes to mandatory attributes
18	at this time.
19	Correction Wording:

Amend DICOM PS3.3 as follows:

A.59.4 Enhanced US Volume Functional Group Macros

Table A.59-2 specifies the use of the Functional Group Macros used in the Multi-frame Functional Groups Module for the Enhanced US Volume IOD.

Table A.59-2. Enhanced US Volume Functional Group Macros

Functional Group Macro	Section	Usage
Frame Content	???	M - May not be used as a Shared Functional Group.
Pixel Measures	???	M
Plane Position (Patient)	???	U
Plane Orientation (Patient)	???	U
...
Plane Position (Volume)	???	M - May not be used as a Shared Functional Group. See ???.
Plane Orientation (Volume)	???	M - May not be used as a Per-Frame Functional Group. See ???.
...

C.8.24.3 Enhanced US Image Module

...

Table C.8.24.3-1. Enhanced US Image Module Attributes

Attribute Name	Tag	Type	Attribute Description
Pixel Spacing	{0028,0030}	4	Physical distance in the patient between the centers of adjacent pixels, specified by a numeric pair - adjacent row spacing (delimiter) adjacent column spacing, in mm. See ??? for further explanation of the value order.