1	Status	Final Text
2	Date of Last Update	2017/09/14
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	David Clunie
6		mailto:dclunie@dclunie.com
7	Submission Date	2016/11/23

8	Correction Number CP-1675
9	Log Summary: Add Retain Institution Identity option to Basic Application Level Confidentiality Profile
10	Name of Standard
11	PS3.15, PS3.16 2017c
12	Rationale for Correction:
13	For some clinical trial use cases, it is desirable to retain rather than remove Institution identifiers.
14	Correction Wording:

1   *Amend DICOM PS3.15 as follows (changes to existing text are bold and **underlined** for additions and ~~struckthrough~~ for removals):*

E.1 Application Level Confidentiality Profiles

E.1.1 De-identifier

Table E.1-1. Application Level Confidentiality Profile Attributes

Attribute Name	Tag	Retired (from PS3.6)	In Std. Comp. IOD (from PS3.3)	Basic Profile	Retain Safe Private Option	Retain UIDs Option	Retain Device Ident. Option	Retain Instit. Ident. Option	Retain Patient Chars. Option	Retain Long. Full Dates Option	Retain Long. Modif. Dates Option	Clean Desc. Option	Clean Struct. Cont. Option	Clean Graph. Option
Institution Address	(0008,0081)	N	Y	X				**K**						
Institution Code Sequence	(0008,0082)	N	Y	X/Z/D				**K**						
Institution Name	(0008,0080)	N	Y	X/Z/D				**K**						
Institutional Department Name	(0008,1040)	N	Y	X				**K**						

E.3 Basic Application Level Confidentiality Options

Various options are defined to be applicable to the Basic Application Level Confidentiality Profile. Some of these options require removal of additional information, and some of these options require retention of information that would otherwise be removed.

The following options are defined that require removal of additional information:

• Clean Pixel Data Option

• Clean Recognizable Visual Features Option

• Clean Graphics Option

• Clean Structured Content Option

• Clean Descriptors Option

The following options are defined that require retention of information that would otherwise be removed but that is needed for specific uses:

• Retain Longitudinal Temporal Information with Full Dates Option

• Retain Longitudinal Temporal Information with Modified Dates Option

• Retain Patient Characteristics Option

• Retain Device Identity Option

• Retain UIDs

• Retain Safe Private Option

• **Retain Institution Identity Option**

E.3.11 **Retain Institution Identity Option**

1

2 **Information about the identity of the institution where the acquisition was performed is recognized as having a potential for**
3 **leakage of identity because it may constrain the number of possible individuals that could be the imaging subject, though**
4 **only if there is access to other information about the individuals concerned to match it against.**

5 **However, there are applications that require such institution information to perform the analysis or interpretation. There**
6 **may be a need to maintain a record of the institution for regulatory or registry purposes, yet the acquisition site may not**
7 **maintain an adequate electronic audit trail.**

8 **When this Option is specified in addition to an Application Level Confidentiality Profile, information about the identity of**
9 **the institution in the Attributes shall be retained, as described in Table E.1-1.**

1   *Amend DICOM PS3.16 as follows (changes to existing text are bold and **__underlined__** for additions and ~~**struckthrough**~~ for removals):*

CID 7050 De-identification Method

Type: Extensible
Version: ~~20110123~~20170914

Table CID 7050. De-identification Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	113100	Basic Application Confidentiality Profile
DCM	113101	Clean Pixel Data Option
DCM	113102	Clean Recognizable Visual Features Option
DCM	113103	Clean Graphics Option
DCM	113104	Clean Structured Content Option
DCM	113105	Clean Descriptors Option
DCM	113106	Retain Longitudinal Temporal Information Full Dates Option
DCM	113107	Retain Longitudinal Temporal Information Modified Dates Option
DCM	113108	Retain Patient Characteristics Option
DCM	113109	Retain Device Identity Option
DCM	113110	Retain UIDs Option
DCM	113111	Retain Safe Private Option
__DCM__	**__113112__**	**__Retain Institution Identity Option__**

D DICOM Controlled Terminology Definitions (Normative)

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
113100	Basic Application Confidentiality Profile	De-identification using a profile defined in PS3.15 that requires removing all information related to the identity and demographic characteristics of the patient, any responsible parties or family members, any personnel involved in the procedure, the organizations involved in ordering or performing the procedure, additional information that could be used to match instances if given access to the originals, such as UIDs, dates and times, and private attributes, when that information is present in the non-Pixel Data Attributes, including graphics or overlays.	
113101	Clean Pixel Data Option	Additional de-identification according to an option defined in PS3.15 that requires any information burned in to the Pixel Data corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113102	Clean Recognizable Visual Features Option	Additional de-identification according to an option defined in PS3.15 that requires that sufficient removal or distortion of the Pixel Data shall be applied to prevent recognition of an individual from the instances themselves or a reconstruction of a set of instances.	
113103	Clean Graphics Option	Additional de-identification according to an option defined in PS3.15 that requires that any information encoded in graphics, text annotations or overlays corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	

Code Value	Code Meaning	Definition	Notes
113104	Clean Structured Content Option	Additional de-identification according to an option defined in PS3.15 that requires that any information encoded in SR Content Items or Acquisition Context Sequence Items corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113105	Clean Descriptors Option	Additional de-identification according to an option defined in PS3.15 that requires that any information that is embedded in text or string Attributes corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113106	Retain Longitudinal Temporal Information Full Dates Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any dates and times be retained,.	
113107	Retain Longitudinal Temporal Information Modified Dates Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any dates and times be modified in a manner that preserves temporal relationships. E.g., Study Date and Time.	
113108	Retain Patient Characteristics Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any physical characteristics of the patient, which are descriptive rather than identifying information per se, be retained. E.g., Patient's Age, Sex, Size (height) and Weight.	
113109	Retain Device Identity Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any information that identifies a device be retained. E.g., Device Serial Number.	
113110	Retain UIDs Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that UIDs be retained. E.g., SOP Instance UID.	
113111	Retain Safe Private Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that private attributes that are known not to contain identity information be retained. E.g., private SUV scale factor.	
113112	**Retain Institution Identity Option**	**Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any information that identifies an institution be retained. E.g., Institution Name**	