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8	Correction Number CP-1680	
9	Log Summary: Add teaching file export related codes	
10	Name of Standard	
11	PS3.16	
12	Rationale for Correction:	
13	The IHE Teaching file and Clinical trial Export (TCE) profile uses several codes including KOS document titles what should be defined	
14	in DICOM rather than using IHE specific codes.	
15	Codes added are factored out into new context groups with a view to later incorporating the IHE TCE Profile templates into PS3.16	
16	and referencing the context groups directly.	
17	[Ed. Note.: Should we update the categories to the current ABR core exam 18: breast, cardiac, gastrointestinal, interventional,	
18	musculoskeletal, neuroradiology, nuclear, pediatric, reproductive/endocrinology, thoracic, urinary, vascular, computed tomography,	
19	magnetic resonance, radiography/fluoroscopy, ultrasound, physics, and safety? See <a href="https://www.theabr.org/ic-dr-core-exam">https://www.theabr.org/ic-dr-core-exam</a>	
20	Correction Wording:	

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

## CID 7010 Key Object Selection Document Title

Type: Extensible  
Version: ~~20160908~~yyyyymmdd

Table CID 7010. Key Object Selection Document Title

Coding Scheme Designator	Code Value	Code Meaning
DCM	113000	Of Interest
DCM	113001	Rejected for Quality Reasons
DCM	113002	For Referring Provider
DCM	113003	For Surgery
DCM	113004	For Teaching
DCM	113005	For Conference
DCM	113006	For Therapy
DCM	113007	For Patient
DCM	113008	For Peer Review
DCM	113009	For Research
DCM	113010	Quality Issue
DCM	113013	Best In Set
DCM	113018	For Printing
DCM	113020	For Report Attachment
DCM	113021	For Litigation
DCM	113030	Manifest
DCM	113031	Signed Manifest
DCM	113032	Complete Study Content
DCM	113033	Signed Complete Study Content
DCM	113034	Complete Acquisition Content
DCM	113035	Signed Complete Acquisition Content
DCM	113036	Group of Frames for Display
DCM	113037	Rejected for Patient Safety Reasons
DCM	113038	Incorrect Modality Worklist Entry
DCM	113039	Data Retention Policy Expired
DCM	113022	Collection of Presentation States
DCM	128181	Diagnostic Source Images
DCM	128182	Segmentation Result
DCM	128183	Registration Result
DCM	128195	For Diagnosis
DCM	128218	Diagnosis Input Used
DCM	128196	For Segmentation
DCM	128219	Contouring Input Used
DCM	128199	For Plan Comparison
DCM	128220	Plan Comparison Input Used

Coding Scheme Designator	Code Value	Code Meaning
DCM	128203	For Tumor Board
DCM	128221	Tumor Board Input Used
DCM	128208	For Tumor Registry
DCM	128222	Tumor Registry Input Used
DCM	128207	For Clinical Trial Submission
DCM	128223	Clinical Trial Submission Input Used

Include CID 7023 "RT Process Output"

Include CID 7024 "RT Process Input"

Include CID 7025 "RT Process Input Used"

**Include CID 70x1 "Export Additional Information Document Titles"**

Add new Context Groups to DICOM PS3.16 as follows:

## CID 70x1 Export Additional Information Document Titles

Type: Extensible  
Version: yyyyymmdd

**Table CID 70x1. Export Additional Information Document Titles**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ddd001	For Teaching File Export
DCM	ddd002	For Clinical Trial Export
DCM	ddd007	For Research Collection Export
DCM	ddd008	For Publication Export

## CID 70x2 Export Delay Reasons

Type: Extensible  
Version: yyyyymmdd

**Table CID 70x2. Export Delay Reasons**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ddd011	Delay export until final report is available
DCM	ddd012	Delay export until clinical information is available
DCM	ddd013	Delay export until confirmation of diagnosis is available
DCM	ddd014	Delay export until histopathology is available
DCM	ddd015	Delay export until other laboratory results is available
DCM	ddd016	Delay export until patient is discharged
DCM	ddd017	Delay export until patient dies
DCM	ddd018	Delay export until expert review is available

## CID 70x3 Level of Difficulty

Type: Extensible  
Version: yyyyymmdd

**Table CID 70x3. Level of Difficulty**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ddd201	Primary level
DCM	ddd202	Intermediate level
DCM	ddd203	Advanced level

**CID 70x4 Category of Teaching Material - Imaging**

Type: Extensible  
Version: yyyyymmdd

**Table CID 70x4. Category of Teaching Material - Imaging**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ddd301	Musculoskeletal imaging subject matter
DCM	ddd302	Pulmonary imaging subject matter
DCM	ddd303	Cardiovascular imaging subject matter
DCM	ddd304	Gastrointestinal imaging subject matter
DCM	ddd305	Genitourinary imaging subject matter
DCM	ddd306	Neuroimaging subject matter
DCM	ddd307	Vascular and interventional imaging subject matter
DCM	ddd308	Nuclear medicine imaging subject matter
DCM	ddd309	Ultrasound imaging subject matter
DCM	ddd310	Pediatric imaging subject matter
DCM	ddd311	Breast imaging subject matter

**Note**

The contents of this context group correspond to the American Board of Radiology categories in use at the time the IHE TCE Profile was developed.

Amend DICOM PS3.16 Annex D as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

**D DICOM Controlled Terminology Definitions (Normative)****Table D-1. DICOM Controlled Terminology Definitions**

Code Value	Code Meaning	Definition	Notes
113000	Of Interest	Of Interest.	
113001	Rejected for Quality Reasons	Rejected for Quality Reasons.	
113002	For Referring Provider	For Referring Provider.	
113003	For Surgery	For Surgery.	
113004	For Teaching	For Teaching.	
113005	For Conference	For Conference.	
113006	For Therapy	For Therapy.	
113007	For Patient	For Patient.	
113008	For Peer Review	For Peer Review.	

Code Value	Code Meaning	Definition	Notes
113009	For Research	For Research.	
113010	Quality Issue	Quality Issue.	
113013	Best In Set	A selection that represents the "best" chosen from a larger set of items. E.g., the best images within a Study or Series. The criteria against which "best" is measured is not defined. Contrast this with the more specific term "Best illustration of finding".	
113018	For Printing	For Printing.	
113020	For Report Attachment	Selection of information objects for attachment to the clinical report of the Current Requested Procedure.	
113021	For Litigation	List of objects that are related to litigation and should be specially handled. E.g., may apply if a complaint has been received regarding a patient, or a specific set of images has been the subject of a subpoena, and needs to be sequestered or excluded from automatic purging according to retention policy.	
113022	Collection of Presentation States	This Key Object Selection Document references Presentation State instances that are related, which may or may not share a value of Presentation Display Collection UID (0070,1101) or Presentation Sequence Collection UID (0070,1102).	
113030	Manifest	A list of objects that have been exported out of one organizational domain into another domain. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113031	Signed Manifest	A signed list of objects that have been exported out of one organizational domain into another domain, referenced securely with either Digital Signatures or MACs. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113032	Complete Study Content	The list of objects that constitute a study at the time that the list was created.	
113033	Signed Complete Study Content	The signed list of objects that constitute a study at the time that the list was created, referenced securely with either Digital Signatures or MACs.	
113034	Complete Acquisition Content	The list of objects that were generated in a single procedure step.	
113035	Signed Complete Acquisition Content	The signed list of objects that were generated in a single procedure step, referenced securely with either Digital Signatures or MACs.	
113036	Group of Frames for Display	A list of frames or single-frame or entire multi-frame instances that together constitute a set for some purpose, such as might be displayed together in the same viewport, as distinct from another set that might be displayed in a separate viewport.	
113037	Rejected for Patient Safety Reasons	List of objects whose use is potentially harmful to the patient. E.g., an improperly labeled image could lead to dangerous surgical decisions.	
113038	Incorrect Modality Worklist Entry	List of objects that were acquired using an incorrect modality worklist entry, and that should not be used, since they may be incorrectly identified.	
113039	Data Retention Policy Expired	List of objects that have expired according to a defined data retention policy.	
128181	Diagnostic Source Images	Instances used to make a diagnosis.	
128182	Segmentation Result	Instances created during a segmentation session.	

Code Value	Code Meaning	Definition	Notes
128183	Registration Result	Instances created during a spatial registration.	
128184	Pre-Planning Result	Instances created during preparation prior to planning.	
128185	RT Prescription Result	Instances created for prescription of a radiotherapeutic treatment.	
128186	Dose Calculation Image Series	Image instances that represent an image series that is intended to be the primary input for the dose calculation. Any parameters required for dose calculation (such as electron density) is derived from this series.	
128187	Coordinate Alignment Image Series	Image instances that represent an image series from which the display coordinate system for a radiotherapeutic treatment planning is derived. Typically this series does not provide the parameters required for the dose calculation.	
128188	RT Treatment Simulation Result	Instances created during the simulation of a radiotherapeutic treatment delivery session. May also include input objects actually used.	
128189	RT Planning Result	Instances created during the planning of a radiotherapeutic treatment. May also include input objects actually used.	
128190	Dosimetric Result	Instances created during the creation of the dosimetric result of a radiotherapeutic treatment plan. May also include input objects actually used.	
128191	Patient Setup Verification Result	Instances created during the verification of the patient's treatment position. May also include input objects actually used.	
128192	RT Treatment Session Result	Instances created during the treatment session. May also include input objects actually used.	
128193	RT Treatment Course Summary	Instances created during a treatment course. May also include input objects actually used.	
128194	RT Treatment QA Result	Instances created during evaluation of the treatment delivery quality. May also include input objects actually used.	
128195	For Diagnosis	Instances available to make a diagnosis.	
128196	For Segmentation	Instances available for segmentation.	
128197	For RT Prescription	Instances available for prescribing a radiotherapeutic treatment delivery.	
128198	For RT Treatment Planning	Instances available for creating a radiotherapeutic treatment plan.	
128199	For Plan Comparison	Instances available for comparing plans.	
128200	For RT Plan Summation	Instances available to combine radiotherapeutic plans or doses.	
128201	For Physician Review	Instances available for review by a physician.	
128202	For Physicist Review	Instances available for review by a physicist.	
128203	For Tumor Board	Instances available for review of a tumor board.	
128204	For Plan Quality Assurance	Instances available to perform quality assurance of a radiotherapeutic treatment delivery plan.	
128205	For Machine Quality Assurance	Instances available to perform quality assurance of one of the hardware or software components involved in a radiotherapeutic treatment delivery.	
128206	For Patient Setup Verification	Instances available for verification of the patient treatment position.	
128207	For Clinical Trial Submission	Instances available for submission for a clinical trial study.	
128208	For Tumor Registry	Instances available for submission to a tumor registry.	

Code Value	Code Meaning	Definition	Notes
128209	RT Workflow Input Used	Instances used as an input of a general radiotherapeutic workflow.	
128210	RT Prescription Input Used	Instances used for prescribing a radiotherapeutic treatment delivery.	
128211	RT Treatment Planning Input Used	Instances used to create a radiotherapeutic treatment plan.	
128212	RT Plan Summation Input Used	Instances used to combine radiotherapeutic plans or doses.	
128213	Physician Review Input Used	Instances used for review by a physician.	
128214	Physicist Review Input Used	Instances used for review by a physicist.	
128215	Plan Quality Assurance Input Used	Instances used to perform quality assurance of a radiotherapeutic treatment delivery plan.	
128216	Machine Quality Assurance Input Used	Instances used to perform quality assurance of one of the hardware or software components involved in a radiotherapeutic treatment delivery.	
128217	Patient Setup Verification Input Used	Instances used during verification of the patient treatment position.	
128218	Diagnosis Input Used	Instances used to make a diagnosis.	
128219	Contouring Input Used	Instances used for segmentation.	
128220	Plan Comparison Input Used	Instances used for comparing plans.	
128221	Tumor Board Input Used	Instances used for review of a tumor board.	
128222	Tumor Registry Input Used	Instances submitted to a tumor registry.	
128223	Clinical Trial Submission Input Used	Instances submitted to a clinical trial study.	
128224	Source measurement	Measurement used as the source for derivation.	
128225	Source report	Report used as the source for derivation.	
128226	Source raw data	Raw Data used as the source for derivation.	
<b><u>ddd001</u></b>	<b><u>For Teaching File Export</u></b>	<b><u>Instances have been selected for export to a teaching file.</u></b>	
<b><u>ddd002</u></b>	<b><u>For Clinical Trial Export</u></b>	<b><u>Instances have been selected for export for a clinical trial.</u></b>	
<b><u>ddd006</u></b>	<b><u>Additional Teaching File Information</u></b>	<b><u>The title of a document containing additional teaching file information.</u></b>	
<b><u>ddd007</u></b>	<b><u>For Research Collection Export</u></b>	<b><u>Instances have been selected for export to a research collection.</u></b>	
<b><u>ddd008</u></b>	<b><u>For Publication Export</u></b>	<b><u>Instances have been selected for export for publication.</u></b>	
<b><u>ddd011</u></b>	<b><u>Delay export until final report is available</u></b>	<b><u>Delay export until final report is available.</u></b>	
<b><u>ddd012</u></b>	<b><u>Delay export until clinical information is available</u></b>	<b><u>Delay export until clinical information is available.</u></b>	
<b><u>ddd013</u></b>	<b><u>Delay export until confirmation of diagnosis is available</u></b>	<b><u>Delay export until confirmation of diagnosis is available.</u></b>	
<b><u>ddd014</u></b>	<b><u>Delay export until histopathology is available</u></b>	<b><u>Delay export until histopathology is available.</u></b>	
<b><u>ddd015</u></b>	<b><u>Delay export until other laboratory results is available</u></b>	<b><u>Delay export until other laboratory results is available.</u></b>	
<b><u>ddd016</u></b>	<b><u>Delay export until patient is discharged</u></b>	<b><u>Delay export until patient is discharged.</u></b>	
<b><u>ddd017</u></b>	<b><u>Delay export until patient dies</u></b>	<b><u>Delay export until patient dies.</u></b>	
<b><u>ddd018</u></b>	<b><u>Delay export until expert review is available</u></b>	<b><u>Delay export until expert review is available.</u></b>	

Code Value	Code Meaning	Definition	Notes
<u>ddd109</u>	<u>Teaching File Category.</u>	<u>The category that describes the subject matter of a teaching file. E.g., a selection from the American Board of radiology (ABR) subject headings.</u>	
<u>ddd110</u>	<u>Level of Difficulty</u>	<u>The level of difficult that the material represents. E.g., advanced.</u>	
<u>ddd201</u>	<u>Primary level</u>	<u>The teaching material is of a primary level of difficulty.</u>	
<u>ddd202</u>	<u>Intermediate level</u>	<u>The teaching material is of an intermediate level of difficulty.</u>	
<u>ddd203</u>	<u>Advanced level</u>	<u>The teaching material is of an advanced level of difficulty.</u>	
<u>ddd301</u>	<u>Musculoskeletal imaging subject matter</u>	<u>The subject matter pertains to musculoskeletal imaging.</u>	
<u>ddd302</u>	<u>Pulmonary imaging subject matter</u>	<u>The subject matter pertains to pulmonary imaging.</u>	
<u>ddd303</u>	<u>Cardiovascular imaging subject matter</u>	<u>The subject matter pertains to cardiovascular imaging.</u>	
<u>ddd304</u>	<u>Gastrointestinal imaging subject matter</u>	<u>The subject matter pertains to gastrointestinal imaging.</u>	
<u>ddd305</u>	<u>Genitourinary imaging subject matter</u>	<u>The subject matter pertains to genitourinary imaging.</u>	
<u>ddd306</u>	<u>Neuroimaging subject matter</u>	<u>The subject matter pertains to neuroimaging.</u>	
<u>ddd307</u>	<u>Vascular and interventional imaging subject matter</u>	<u>The subject matter pertains to vascular and interventional imaging.</u>	
<u>ddd308</u>	<u>Nuclear medicine imaging imaging subject matter</u>	<u>The subject matter pertains to nuclear medicine imaging.</u>	
<u>ddd309</u>	<u>Ultrasound imaging subject matter</u>	<u>The subject matter pertains to ultrasound imaging.</u>	
<u>ddd310</u>	<u>Pediatric imaging subject matter</u>	<u>The subject matter pertains to pediatric imaging.</u>	
<u>ddd311</u>	<u>Breast imaging subject matter</u>	<u>The subject matter pertains to breast imaging.</u>	