

Integrating the Healthcare Enterprise

IHE 2006-2007 Code Tables

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1 Introduction

This document contains data values that are used as part of the IHE 2006-2007 process.

Many of the tables that follow will list a full set of values. Some demonstration scenarios use only a subset of the values listed; however, the full set of values should be configured for testing purposes and in the event that a vendor may need to change groups with minimal notice.

The organization of this document leaves a lot to be desired. Suggestions for improvements are welcome.

2 HL7 MSH Values

2.1 Sending/Receiving Application/Facility

Fields MSH-3 Sending Application and MSH-5 Receiving Application shall contain only one component (Namespace ID) which shall be drawn from the HL7 Table 0361. Fields MSH-4 Sending Facility and MSH-6 Receiving Facility shall contain only one component (Namespace ID).

Table 2.1-1- IHE Profile Table IHE006 Receiving/Sending Application

Application	Facility	Actor	Description	Domain
MESA_AD T			MESA ADT System	MESA
MESA_OP			MESA Order Placer	MESA
MESA_OF			MESA Order Filler	MESA
MESA_IM			MESA Image Manager	MESA
				Cross-Enterprise
				Ambulatory Care
				ACC
	AMBULATORY			

Adapted from the HL7 standard, version 2.3.1

2.2 Other MSH Values

Table 2.2-1- IHE Profile Table IHE003 Processing ID

Field	Name	Value	Comment
MSH.11	Processing ID	P	Production
MSH.12	Version ID	2.3.1, 2.4, 2.5	Depends on Integration Profile
MSH.18	Character Set	"" ISO IR6-ISO IR87	Empty for ASCII If configured for Japanese character set

Adapted from the HL7 standard, version 2.3.1

3 HL7 Patient Registration (PID, PV1, AL1, OBX)

3.1 PID Segment

Field PID3 Patient Identifier List shall be encoded as a single repetition. Components 2 and 3 are optional and may be ignored by receiving applications. Assigning Authority in component 4 depends on the application. MESA tests use a single subcomponent in component 4. Some demonstration groups will also use a single subcomponent. The 2005 XDS demonstration groups will use a more complex assigning authority per the table below.

Table 3.1-1- PID Assigning Authority

Assigning Authority	Domain	Example
ADT1	MESA Tests	583070^^^ADT1
MESA_ADT	MESA Tests	
MESA_OF		
&1.3.6.1.4.1.21367.2005.1.1&ISO	HIMSS 2007 Distributed Demonstration and XDS groups (3 & 4), HIMSS Ambulatory Care Demonstration	1234^^^&1.3.6.1.4.1.21367.2005.1.1&ISO
MESA1	Cross Enterprise Demonstration Group 1	665533^^^MESA1
MESA2	Cross Enterprise Demonstration Group 2	112233^^^MESA1
XYZ	Company XYZ ADT system at Connectathon 2007	665533^^^XYZ

Connectathon patient identifiers are 6 digit identifiers that begin with a two-digit code that identifies the system producing the ID. Thus, if your prefix is 10, your Patient Identifiers will be in the range of 100000 to 109999

Table 3.1-2- Patient ID Prefix (for use at Connectathon)

Value	Description
10	XYZ Company

Table 3.1-3- PID8: HL7 Table 0001 Sex Codes

Value	Description
F	Female
M	Male
O	Other
U	Unknown

Table 3.1-4- PID 11: User Table 00005 Race

Value	Description
AI	American Indian or Alaskan Native
AP	Asian or Pacific Islander
BL	Black
HI	Hispanic
WH	White

3.2 PV1 Segment

Table 3.2-1- PV1 2: HL7 Table 0004 Patient Class

Value	Description
E	Emergency
I	Inpatient
O	Outpatient
P	Preadmit
R	Recurring Patient
B	Obstetrics

Table 3.2-2- PV1 3: Assigned Patient Location

Value	Description
CL	Clinic
NH	Nursing Home
DP	Department
NS	Nursing station
ED	Emergency Department
<POINT_OF_CARE>^<ROOM>^<BED>^<FACILITY>	<p>POINT OF CARE is the general department or location and must be from the associated "points of care" table 3.2-3</p> <p>ROOM must be a valid room number from the "rooms" table 3.2-4</p> <p>BED is a numeric bed number from the "beds" table 3.2-5</p> <p>FACILITY is a facility code from the "facilities" table 3.2-6</p>

Table 3.2-3- Assigned Patient Location: Points of Care

Value	Description
1E	Nursing Station 1-East
1W	Nursing Station 1-West
2E	Nursing Station 2-East
2W	Nursing Station 2-West
CCU 3N	Coronary Care Unit 3-North

Table 3.2-4- Assigned Patient Location: Rooms

Value	Description
101	Room 101 (in 1-East)
111	Room 111 (in 1-West)
201	Room 201 (in 2-East)
211	Room 211 (in 2-West)

Table 3.2-5- Assigned Patient Location: Beds

Value	Description
1	Bed - 1
2	Bed - 2

Table 3.2-6- Assigned Patient Location: Facilities

Value	Description
XYZ_HOSPITAL	MESA tests
	To be determined for Connectathon

Table 3.2-7- PV1: HL7 Table 0069 Hospital Service

Value	Description
A01	Unspecified
B01	Surgery
B02	General Observation
C01	Cardiac Care

Table 3.2-8- PV1 15: HL7 Table 0009 Ambulatory Status

Value	Description
A0	No functional limitations
A1	Ambulates with assistive device
A2	Wheelchair/stretchers bound
A3	Comatose; non-responsive
A4	Disoriented
A5	Vision impaired
A6	Hearing impaired
A7	Speech impaired
A8	Non-English speaking
A9	Functional level unknown
B1	Oxygen therapy
B2	Special equipment (tubes, IVs, catheters)
B3	Amputee
B4	Mastectomy
B5	Paraplegic
B6	Pregnant

Table 3.2-9- PV1 39: HL7 Table 0115 Servicing Facility

Value	Description
	To be supplied for Connectathon

3.3 AL1 Segment

Value of the field AL1-3 Allergy Code/Mnemonic/Description shall contain three components taken from Table 3.3-1.

Table 3.3-1- Allergy Code/Mnemonic/Description

Identifier	Text	Coding Scheme
IHEALG0001	Codeine	IHEDEMO
IHEALG0002	Iodine	IHEDEMO
IHEALG0003	Penicillin	IHEDEMO

3.4 OBX Segment

Table 4.1-5: OBX 3

OBX3 is used to transmit Patient Size and Patient Weight. The second component of this element is used to differentiate between values. The value in the second component shall be one of the values from Table 3.4-1.

Table 3.4-1- Observation Identifier

Value
BODY WEIGHT
BODY HEIGHT

OBX6 is used to indicate the unit of measurement for Patient Size and Patient Weight. The value in the second component shall be one of the values from table 3.4-2.

Table 3.4-2- Units

Value
kg ^{ISO+}
m ^{ISO+}

4 Physician Lists

4.1

The MESA tests, Connectathon tests and demonstration scenarios use coded values for physicians. Depending on the context, a physician may be one of

- admitting
- attending
- consulting
- referring

The tables below will list legal values for physicians and their specialty.

Table 4.1-1- Physician List

Value	Specialty	Likely Categories
11234^WEAVER^TIMOTHY^P^DR	House staff	Attending, Admitting
3456^ROSZEK^JEANETTE^G^DR	House staff	Attending
5678^BAXA^TIMOTHY^P^DR	House staff	Attending
7890^CHAVEZ^JULIO^M^DR		
9012^JIANG^WEI^M^DR		
12345^NAKATA^TAKASI^M^DR^MD	House staff	Attending
5101^NELL^FREDERICK^P^DR	Primary Care Physician	Referring
5202^SCHULTZ^KEVIN^G^DR	Primary Care Physician	Referring
5303^BAJWA^AMNA^M^DR	Primary Care Physician	Referring
5404^CAIN^LAUAREN^M^DR		
5505^BYRNE^NEIL^M^DR		
6101^DANKE^LOREN^P^DR	Radiologist	
6202^YIU^CHENG^M^DR	Radiologist	
6303^LOPEZ^GABRIELLA^M^DR	Cardiologist	
6404^WYNN^DONALD^M^DR	Cardiologist	
6505^BANDA^REUBEN^J^DR	General Surgeon	
7101^ESTRADA^JAIME^P^DR	House staff	Ordering Provider
7202^ESSELMAN^HENRY^G^DR	House staff	Ordering Provider
7303^DARROW^BARBARA^P^DR	Cardio-thoracic surgeon	Ordering Provider
7404^PRUST^RALPH^M^DR	Cardio-thoracic surgeon	Ordering Provider
7505^RA^KYU^M^DR	House staff	Ordering Provider

5 HL7 Order Management

Orders may be placed by the Order Placer or Order Filler. This section maps values in requests for orders.

5.1 ORC Segment

Table 5.1-1- ORC1: HL7 Table 0119 Order Control

Value	Description	Comment
NW	New order	Required of Placer
PA	Parent order	Optional for Placer
CH	Child order	Optional for Placer
SN	Send Placer Order Number	Sent by Filler
NA	Response with Placer Order Number	Sent by Placer

Table 5.1-2- ORC 7, Component 6: Quantity/Timing

Value	Description
S	STAT
A	ASAP
R	ROUTINE
P	PRE-OP
C	CALLBACK
T	TIMING

Table 5.1-3- ORC 17: Entering Organization

Identifier	Text	Coding Scheme
922229-10	IHE-RAD	IHE-CODE-231

5.2 OBR Segment

OBR 12 Danger Code shall contain three components taken from Table 2.3-6.

Table 5.2-1- OBR 12 : Danger Code

Identifier	Text	Coding Scheme
HI	HIV positive	IHEDEMO
TB	Active tuberculosis	IHEDEMO

OBR 16

OBR 16 Order Provider shall contain the same value as ORC 12 Ordering Provider.

OBR 27

OBR 27 Quantity/Timing shall contain the same value as ORC 7 Quantity/Timing.

Table 5.2-2- OBR 30: HL7 Table 0124 Transportation Mode

Value	Description
CART	Cart – patient travels on cart or gurney
PORT	The examining device goes to patient's location
WALK	Patient walks to diagnostic service
WHLC	Wheelchair

Table 5.2-3- OBR 41: HL7 Table 0224 Transport Arranged

Value	Description
A	Arranged
N	Not Arranged
U	Unknown

6 Ordering, Procedure and Scheduling Codes and MWL Maps

There are different codes used in the sequence of placing orders, scheduling and perform procedure steps.

The “Ordering Code” is the coded value used by either the Order Placer or Order Filler when placing the original order. This coded value (3 value triplet) goes in the first 3 components of the Universal Service ID in the original order (transaction RAD-2 or transaction RAD-3).

The “Requested Procedure Code” is owned by the Order Filler and is mapped from the Ordering Code. In a clinical installation, the Requested Procedure Code could be different from the Ordering Code and might be taken from a different vocabulary or coding system. To make things easier for MESA tests and demonstrations, we use the same values for Requested Procedure Code and Ordering Code. The Requested Procedure Code goes in the first 3 components of the Universal Service ID in the scheduling message sent to the Image Manager (RAD-4) and is also found in Modality Worklist entries.

Protocol Code Items are the codes used to give Acquisition Modality detailed instructions. Each Scheduled Procedure Step will have one or more Protocol Code Items. In the simplest case, one SPS will contain one Protocol Code Item. In some MESA tests, we use two Protocol Code Items in one SPS. Protocol Code Items are placed in components 4-6 of the Universal Service ID in the scheduling message sent to the Image Manager (RAD-4) and are also found in Modality Worklist entries.

The Protocol Code Items referred to above are for Scheduled Procedure Steps (SPS). Protocol Code Items can also be included in Modality Performed Procedure Step (MPPS) messages. For MESA testing and IHE demonstrations, we use the same code values for Protocol Code Items in Performed Procedure Steps and Scheduled Procedure Steps.

The tables in this section will list the coded values used for MESA tests and define any maps between the coding systems.

6.1 Ordering Codes

OBR-4 Universal Service ID shall contain three components drawn from the Identifier, Text and Coding Scheme columns of Table 6.1-1. Values in ***bold red italics*** are for use in the HIMSS 2007 IHE demonstrations. Values in ***bold blue italics*** are for use in the ACC 2007 IHE demonstration, but are subject to change.

Table 6.1-1- Ordering Codes and Requested Procedure Codes: Universal Service ID Components 1-3

Scenario	Identifier	Text	Coding Scheme
MESA Tests	P1	Procedure 1	ERL_MESA
MESA Tests	P2	Procedure 2	ERL_MESA
MESA Tests	P3	Procedure 3	ERL_MESA
MESA Tests	P4	Procedure 4	ERL_MESA
MESA Tests	P5	Procedure 5	ERL_MESA
MESA Tests	P6	Procedure 6	ERL_MESA
MESA Tests	P7	Procedure 7	ERL_MESA
MESA Tests	P8	Procedure 8	ERL_MESA
MESA Tests	P9	Procedure 9	ERL_MESA
MESA Tests	P10	Procedure 10	ERL_MESA
MESA Tests	P20	Procedure 20	ERL_MESA
MESA Tests	P21	Procedure 21	ERL_MESA
MESA Tests	P22	Procedure 22	ERL_MESA
MESA Tests	P23	Procedure 23	ERL_MESA
MESA Tests	P101	Mammography Screening	ERL_MESA
MESA Tests	CATH.001	Cath Consultation	ERL_MESA
MESA Tests	ECHO.001	TTE	ERL_MESA
MESA Tests	ECHO.002	STRESS ECHO	ERL_MESA
MESA Tests	IMP200	Media Import	ERL_MESA
MESA Tests	STRESS.001	12-Lead ECG	ERL_MESA
Connectathon	10110	US Procedure 1	IHEDEMO
Connectathon	10150	US Procedure 2	IHEDEMO
Connectathon	10210	Radiological Examination: Chest X-Ray	IHEDEMO
Connectathon Connectathon	10250	Radiological Examination: Abdominal X-Ray	IHEDEMO
Connectathon	10310	Ultrasound Examination: Cardiac Screening	IHEDEMO
Connectathon	10350	Ultrasound Examination: Stress Echo	IHEDEMO
Connectathon	STRESS-7131C	Stress Test: Balke	IHEDEMO
Connectathon	STRESS-7131E	Stress Test: Ramp	IHEDEMO
Connectathon	STR-DOBUTAMINE	Stress Test: Dobutamine	IHEDEMO
Connectathon	10410	Radiological Examination: Left Leg	IHEDEMO
Connectathon	10450	Radiological Examination: Left Ankle	IHEDEMO
Connectathon	10710	Transabdominal Ultrasound Scan	IHEDEMO
Connectathon	10750	Endovaginal Pelvic Scan	IHEDEMO
Connectathon	10910	Computed Tomography: Chest	IHEDEMO
Connectathon	10950	Computed Tomography: Abdomen	IHEDEMO
Connectathon	11010	Magnetic Resonance Imaging: Head	IHEDEMO
Connectathon	11050	Magnetic Resonance Imaging: Neck	IHEDEMO
Connectathon	11210	Angiography: Cardiac	IHEDEMO

Scenario	Identifier	Text	Coding Scheme
<i>Connectathon</i>	<i>11250</i>	<i>Angiography: Carotid</i>	<i>IHEDEMO</i>
Connectathon	11260	CTA: Coronary CT Angiography	IHEDEMO
Connectathon	11270	EP: Ablation	IHEDEMO
Connectathon	11510	Radiological Examination: Mammography	IHEDEMO
Connectathon	11610	Radiological Examination: Skull	IHEDEMO
Connectathon	11650	Radiological Examination: C-Spine	IHEDEMO
Connectathon	11810	OB-GYN Ultrasound	IHEDEMO
Connectathon	12010	Magnetic Resonance Imaging: Left Knee	IHEDEMO
Connectathon	12050	Magnetic Resonance Imaging: Back	IHEDEMO
Connectathon	12110	Radiological Examination: Right Hand	IHEDEMO
Connectathon	12150	Radiological Examination: Right Wrist	IHEDEMO
Connectathon	12510	Magnetic Resonance Imaging: Brain	IHEDEMO
Connectathon	13110	CD/DVD Import	IHEDEMO
Connectathon	13120	Scanned Film Import	IHEDEMO
Connectathon	13130	Scanned Document Import	IHEDEMO
Connectathon	13140	Network Import	IHEDEMO
Connectathon	16110	DEXA Exam: AP Spine	IHEDEMO
Connectathon	16150	DEXA Exam: Left Femur	IHEDEMO
Connectathon	16151	DEXA Exam: Right Femur	IHEDEMO
Connectathon	16210	Magnetic Resonance Imaging: Ankle	IHEDEMO
Connectathon	16310	Dynamic - Renalgram	IHEDEMO
Connectathon	16350	Gated Spect - Cardiac Gated Spect	IHEDEMO
Connectathon	16370	Spect - Bone Spect	IHEDEMO
Connectathon	16410	Radiological Examination: Ankle	IHEDEMO
Connectathon	17110	RF Examination: Stomach	IHEDEMO
Connectathon	17130	RF Examination: Colon	IHEDEMO
<i>Connectathon</i>	<i>18110</i>	<i>Angiography: Diagnostic Catheterization</i>	<i>IHEDEMO</i>
<i>Connectathon</i>	<i>18111</i>	<i>Angiography: Therapeutic Catheterization</i>	<i>IHEDEMO</i>
<i>Connectathon</i>	<i>19110</i>	<i>Electrophysiology: Diagnostic ECG</i>	<i>IHEDEMO</i>
Connectathon	20110	Group Test	IHEDEMO

6.2 Requested Procedures and Scheduling Codes

This section contains maps showing the relationship between requested procedures, scheduled procedure steps and protocol items. That is, for a given requested procedure, Order Fillers will/shall schedule the protocol items found in Table 5.2-2 below.

The coded values (Protocol Code, Protocol Code Meaning, Coding Scheme Designator) are also the values transmitted in components 4-6 of OBR 4: Universal Service ID that is sent to the Image Manager for transaction RAD-4: Procedure Scheduled.

In the Mod column, an asterisk (*) means the value will depend on the test. For a modality running MESA tests, that value will be set by the user running the test (CR, CT, MR, US, ...). For Order Filler tests, the value will be dictated by the test instructions. For Connectathon tests, the Mod column will contain fixed values that should be used by the Order Filler.

The column labeled Modality AE Titles will contain AE Titles of modalities tested at the Connectathon. This will help Order Filler actors schedule steps for the proper systems.

Table 6.2-1- Requested Procedure to SPS/Protocol Items

Scenario	Req Procedure	SPS Description	Protocol Code	Protocol Code Meaning	Coding Scheme Designator	Mod	Modality AE Titles
MESA Tests	P1	P1 10	X1_A1	SP Action Item X1_A1	DSS_MESA	*	
MESA Tests	P2	P2 20	X2_A1	SP Action Item X2_A1	DSS_MESA	*	
MESA Tests	P3	P3 30	X3A_A1	SP Action Item X3A_A1	DSS_MESA	*	
MESA Tests		P3 31	X3B_A1	SP Action Item X3B_A1	DSS_MESA	*	
MESA Tests	P4	P4 40	X4A_A1	SP Action Item X4A_A1	DSS_MESA	*	
MESA Tests		P4 41	X4B_A1	SP Action Item X4B_A1	DSS_MESA	*	
MESA Tests			X4B_A2	SP Action Item X4B_A2	DSS_MESA	*	
MESA Tests	P5	P5 50	X5_A1	SP Action Item X5_A1	DSS_MESA	*	
MESA Tests	P6	P6 60	X6_A1	SP Action Item X6_A1	DSS_MESA	*	
MESA Tests	P7	P7 70	X7_A1	SP Action Item X7_A1	DSS_MESA	*	
MESA Tests	P8	P8 80	X8A_A1	SP Action Item X8A_A1	DSS_MESA	*	
MESA Tests		P8 81	X8B_A1	SP Action Item X8B_A1	DSS_MESA	*	
MESA Tests	P9	P9 90	X9_A1	SP Action Item X9_A1	DSS_MESA	*	
MESA Tests	P10	P10 100	X10_A1	SP Action Item X10_A1	DSS_MESA	*	
MESA Tests	P20	P20 200	X20_A1	SP Action Item X20_A1	DSS_MESA	*	
MESA Tests	P21	P21 210	X21_A1	SP Action Item X21_A1	DSS_MESA	*	
MESA Tests	P22	P22 220	X22_A1	SP Action Item X22_A1	DSS_MESA	*	
MESA Tests	P23	P23 230	X23_A1	SP Action Item X23_A1	DSS_MESA	*	
MESA Tests	P101	P 101 Mammography Screening	X101_A1	SP Action Item X101_A1	DSS_MESA	*	
MESA Tests	P102	P102 3D CT Reconstruction	X102_A1	SP Action Item X102_A1	DSS_MESA	*	
MESA Tests	CATH.001	Left Heart Cath	XX-20011	Left Heart Cath	DSS_MESA	HD	
MESA Tests		IVUS Left Heart Cath	XX-20012	IVUS Left Heart Cath	DSS_MESA	IVUS	
MESA Tests		XA Left Heart Cath	XX-20013	XA Left Heart Cath	DSS_MESA	XA	
MESA Tests	ECHO.001	TTE	XX-20021	TTE	DSS_MESA	US	
MESA Tests	ECHO.002	Stress Echo	XX-20031	Stress Echo	DSS_MESA	US	
MESA Tests	IMP200	Media Import	IRWF-200	Import One Step	DSS_MESA	CT	
Connectathon	10110	US Procedure 1	910110	US: One		US	

Scenario	Req Procedure	SPS Description	Protocol Code	Protocol Code Meaning	Coding Scheme Designator	Mod	Modality AE Titles
	10150	US Procedure 2	910150	US: Two		US	
Connectathon	CATH.001	Left Heart Cath	XX-20011	Left Heart Cath	IHEDEMO	HD	
Connectathon		IVUS Left Heart Cath	XX-20012	IVUS Left Heart Cath	IHEDEMO	IVUS	
Connectathon		XA Left Heart Cath	XX-20013	XA Left Heart Cath	IHEDEMO	XA	
	10210	Radiological Examination: Chest X-Ray	910210	CR: CXR		CR	
	10250	Radiological Examination: Abdominal X-Ray	910250	CR: Abdomen		CR	
	10310	Ultrasound Examination: Cardiac Screening	910310	US: Screening	IHEDEMO	US	
	10350	Ultrasound Examination: Stress Echo	910350	US: Stress Echo	IHEDEMO	US	
	STRESS-7131C	Stress Test: Balke	P2-7131C	Balke Protocol	IHEDEMO	ECG	
		NM Procedure 1	STR-NM1	Stress – NM1	IHEDEMO	NM	
		Stress Echo 1	STR-US1	Stress – US1	IHEDEMO	US	
	STRESS-7131E	Stress Test: Ramp	P2-7131E	Ramp Protocol	IHEDEMO	ECG	
		NM Procedure 2	STR-NM2	Stress – NM2	IHEDEMO	NM	
		Stress Echo 2	STR-US2	Stress – US2	IHEDEMO	US	
	STR-DOBUTAMINE	Dobutamine Stress Protocol	DOBUTAMINE	Dobutamine Stress Protocol	IHEDEMO	ECG	
	10410	Radiological Examination: Left Leg	910410	DX: Leg		DX	
	10450	Radiological Examination: Left Ankle	910450	DX: Ankle		DX	
	10710	Transabdominal Ultrasound Scan	910710	US: Transabdominal		US	
	10750	Endovaginal Pelvic Scan	910750	US: Endovaginal Pelvis		US	
	10910	Computed Tomography: Chest	910910	CT: Chest		CT	
	10950	Computed Tomography: Abdomen	910950	CT: Abdomen		CT	
	11010	Magnetic Resonance Imaging: Head	911010	MR: Head		MR	
	11050	Magnetic Resonance Imaging: Neck	911050	MR: Neck		MR	
	11210	Angiography: Cardiac	911210	XA: Cardiac	IHEDEMO	XA	
	11250	Angiography: Carotid	911250	XA: Carotid	IHEDEMO	XA	
	11260	CTA: Coronary CT Angiography	911260	CT: CT Angiography	IHEDEMO	CT	

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Scenario	Req Procedure	SPS Description	Protocol Code	Protocol Code Meaning	Coding Scheme Designator	Mod	Modality AE Titles
	11270	EP: Ablation	911270	EP: Ablation Procedure	IHEDEMO		
	11510	Radiological Examination: Mammography	911510	MG: Mammography		MG	
	11610	Radiological Examination: Skull	911610	CR: Skull		CR	
	11650	Radiological Examination: C-Spine	911650	CR: C-Spine		CR	
	11810	OB-GYN Ultrasound	911810	US: OB-GYN		US	
	12010	Magnetic Resonance Imaging: Left Knee	912010	MR: Left Knee		MR	
	12050	Magnetic Resonance Imaging: Back	912050	MR: Back		MR	
	12110	Radiological Examination: Right Hand	912110	DX: Hand R		DX	
	12150	Radiological Examination: Right Wrist	912150	DX: Wrist R		DX	
	12510	Magnetic Resonance Imaging: Brain	912510	MR: Brain		MR	
	13110	CD/DVD Import	913110				
	13120	Scanned Film Import	913120				
	13130	Scanned Document Import	913130				
	13140	Network Import	913140				
	16110	DEXA Exam: AP Spine	916110	OT: AP Spine		OT	
	16150	DEXA Exam: Left Femur	916150	OT: Left Femur		OT	
	16151	DEXA Exam: Right Femur	916151	OT: Right Femur		OT	
	16210	Magnetic Resonance Imaging: Ankle	916210	MR: Ankle		MR	
	16310	Dynamic - Renalgram	916310	NM: Renalgram		NM	
	16350	Gated Spect - Cardiac Gated Spect	916350	NM: Cardiac Gated Spect		NM	
	16370	Spect - Bone Spect	916370	NM: Bone Spect		NM	
	16410	Radiological Examination: Ankle	916410	CR: Ankle		CR	
	17110	RF Examination: Stomach	917110	RF: Stomach		RF	
	17130	RF Examination: Colon	917130	RF: Colon		RF	
	18110	Angiography:	XX-40041	Diagnostic	IHEDEMO	XA	

Scenario	Req Procedure	SPS Description	Protocol Code	Protocol Code Meaning	Coding Scheme Designator	Mod	Modality AE Titles
		Diagnostic Catheterization		Catheterization			
	18111	Angiography: Therapeutic Catheterization	XX-40061	Therapeutic Catheterization	IHEDEMO	XA	
	19110	Electrophysiology: Diagnostic ECG	XX-40081	Diag ECG	IHEDEMO		
Connectathon	20110	Group Test SPS1	P1_A1	SP Action Item P1_A1		*	
		Group Test SPS2	P2_A1	SP Action Item P2_A1		*	

7 Other Radiology Specific Codes

7.1 Section Filler Order Management – Order Status Update

Table 7.1-1- ORC 1: HL7 Table 0119 Order Control

Value	Description
SC	

Table 7.1-2- ORC 5: HL7 Table 0038 Order Status

Value	Description
CM	Order is completed
CD	Order was discontinued
IP	Order is in progress

7.2 Filler Order Management – Order Cancelled by the Order Filler

Table 7.2-1- ORC 1: HL7 Table 0119 Order Control

Value	Description
OC	Order Cancelled

7.3 RAD-4: Procedure Scheduled

Table 7.3-1- ORC 1: HL7 Table 0119 Order Control

Value	Description
NW	New order

Table 7.3-2- ORC 5: HL7 Table 0038 Order Status

Value	Description
SC	Scheduled

7.3.1 OBR Segment

Table 7.3-3- OBR 15: HL7 Table 0070 Specimen Source

Value	Description
L	Left
R	Right

Table 7.3-4- OBR 24: HL7 Table 0074 Diagnostic Service Section ID

Value	Description
CR	Computed Radiography
CT	Computed Tomography
DX	Digital Radiography
MG	Mammography
MR	Magnetic Resonance
NM	Nuclear Medicine
OT	Other
PT	Positron Emission Tomography
HC	Hard Copy
HD	Hemodynamics
RTIMAGE	Radiotherapy
US	Ultrasound
XA	X-Ray Angiography
RF	X-Ray Radiofluoroscopy

7.4 RAD-5: Modality Worklist Provided

7.4.1 Table 4.5-3 Return and Matching Keys for Modality Worklist

Table 7.4-1- Scheduled Performing Physician Name (0040, 0006)

Value
GLASER^GREGORY^P^DR
MADDOX^THERESA^G^DR

Table 4.5-3: Scheduled Procedure Step Description (0040, 0007) and Scheduled Protocol Item Code Sequence (0040,0008)

See Tables xx, yy of this document

Table 7.4-2- Scheduled Station AE Title (0040,0001) and Scheduled Station Name (0040,0010)

Scheduled Station AE Title	Scheduled Station Name
MODALITY1	MODALITY1
MR3T	MR3T

In the table above:

1. The Scheduled Station AE Title and Scheduled Station Name have the same value. This is by design.
2. All names use underscore (_) as a separator. The table may make it look like the separators are space characters.

Table 7.4-3- Scheduled Procedure Step Location (0040,0111)

Value
RAD1
RAD2
RAD3
RAD4

Table 7.4-4- Requested Contrast Agent (0032,1070)

Value
IHECA0001 – Barium
IHECA0002 – Gadolinium
IHECA0003 – Gallium
IHECA0004 – Iodine
IHECA0005 – Non-ionic
IHECA0006 – Oral Iodine
IHECA0007 – Radioactive Iodine
IHECA0008 – Technetium Tc99m
IHECA0009 – Xenon-133

Table 7.4-5- Scheduled Procedure Step Status (0040,0020)

Value
SCHEDULED
ARRIVED

Table 7.4-6- Special Needs (0038,0050)

Value
WHEELCHAIR
OXYGEN
NON-ENGLISH SPEAKING

7.5 Section 4.7 Modality Procedure Step Completed/Discontinued

7.5.1 PPS Billing and Material Management Option

Table 7.5-1- Code Values for Billing Procedure Step Sequence (0040 0320)

Identifier	Text	Coding Scheme
BP1001	Billing Procedure 1001	IHEDEMO
BP1002	Billing Procedure 1002	IHEDEMO
BP1003	Billing Procedure 1003	IHEDEMO
BP1004	Billing Procedure 1004	IHEDEMO
BP1005	Billing Procedure 1005	IHEDEMO

Table 7.5-2- Code Values for Billing Item Sequence (0040 0296)

Identifier	Text	Coding Scheme
SUP_X109J	Catheter	IHEDEMO

7.6 RAD-35: Charge Posted

Table 7.6-1- FT1-6: Transaction Type

Value	Description
CG	Charge
CD	Credit
PY	Payment
AJ	Adjustment

Table 7.6-2- FT1-7: Transaction Code

Value	Text	Coding Scheme
MR1001	MRI HEAD	IHEDEMO
DX1001	MRI HEAD Interpretation	IHEDEMO

Table 7.6-3- FT1-20: Performed By Code

Value
1504^ZIEGLER^WILLIAM^P^M
1506^DORFMAN^CYNTHIA^E^M
2102^NELSON^LEE^M^DR
2104^SMITH^DAVID^R^M^DR

Table 7.6-4- FT1-21: Order By Code

Value
7101^ESTRADA^JAIME^P^M^DR
7202^ESSELMAN^HENRY^G^M^DR
7303^DARROW^BARBARA^P^M^DR
7404^PRUST^RALPH^M^DR
7505^RA^KYU^M^DR

7.7 RAD-39: Workitem Performed Procedure Step in Progress

Table 7.7-1- Code Values for Human Performer Code Sequence: 0040 4009

Value	Meaning	Coding Scheme
8010	Radiologist^Joe	IHEDEMO
8020	Radiologist^Jane	IHEDEMO

Table 7.7-2- Code Values for Performed Station Name Code Sequence: 0040 4028

Value	Meaning	Coding Scheme
REPORTER_1	Interpretation Station 1	IHEDEMO

Table 7.7-3- Code Values for Performed Station Class Code Sequence: 0040 4029

Value	Meaning	Coding Scheme
INTERP_3x	ACME 3 Step Station	IHEDEMO

Table 7.7-4- Code Values for Performed Station Geographic Location Code Sequence: 0040 4030

Value	Meaning	Coding Scheme
EAST	East Wing	IHEDEMO

7.8 Post Processing Management

Table 7.8-1- Code Values for Human Performer Code Sequence

Value	Meaning	Coding Scheme
Tech1^Joe	ihe	ihe
Tech2^Jane	ihe	ihe

Table 7.8-2- Code Values for Station Name Code Sequence

Value	Meaning	Coding Scheme
MGCAD1	ihe	ihe
MGCAD2	ihe	ihe
CT_3DRECON1	ihe	ihe
CT_3DRECON2	ihe	ihe

Table 7.8-3- Code Values for Station Class Code Sequence

Value	Meaning	Coding Scheme
MGCAD	ihe	ihe
CT_3DRECON	ihe	ihe

Table 7.8-4- Code Values for Station Location Code Sequence

Value	Meaning	Coding Scheme
North	ihe	ihe
South	ihe	ihe
East	ihe	ihe
West	ihe	ihe

Table 7.8-5- Code Values for Processing Applications Code Sequence

Value	Meaning	Coding Scheme
Acme_CAD	ihe	ihe
Acme_3DRecon	ihe	ihe

Table 7.8-6- Code Values for Workitem Code Sequence

Value	Meaning	Coding Scheme
X101_MGCAD	ihe	ihe
X102_3DRECON	ihe	ihe

8 XDS Related Codes

These are coded values related to the XDS family of integration profiles (apologies for the 3 examples that cross over lines).

OID	Use	Examples
1.3.6.1.4.1.21367.2005.1.1	Defines the assigning authority for the global identifiers used in XDS repositories.	1234^^^&1.3.6.1.4.1.21367.2005.1.1&ISO 1234^^^&1.3.6.1.4.1.21367.2005.1.1&ISO^PI 1234^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO

8.1 OIDS For Assigning Authorities

Assigning Authority values can be used in PID segments of HL7 messages, in PCC documents and in XDS meta-data. Global values are defined in this section. For each system that might have their own local value, refer to other Project Manager documentation (e.g., spreadsheet, web page).

8.2 OIDS for Policy Privacy Policies

There are three policies under which a document can be registered. There is no long prose to describe the policies. We assume that the names/short descriptions are sufficient for the testing process.

OID	Name	Description
1.3.6.1.4.1.21367.2006.7.108	Normal Sharing Plus Research Use	By signing this consent form, patient agrees that both clinical staff (nurses, physicians) and researchers have access rights to clinical documents
1.3.6.1.4.1.21367.2006.7.109	Restricted VIP Sharing	By signing this consent form, patient (a VIP) agrees that only authorized care providers for the VIP can have access to his/her clinical

		documents.
1.3.6.1.4.1.21367.2006.7.110	Break Glass	This has yet to be vetted by committee members. Assume it means in the event of a medical emergency, all caregivers have the right to view my medical history.

9 HIMSS Demonstration Codes (Ambulatory Care-Cross Enterprise)

9.1 XDS Document Coded Values

9.1.1 CCR Insurance Coded Values

We will use a fixed value for Insurance Type.

We will use a limited number of values Organization

Table 9.1-1- Insurance Values

CCR Attribute	Value
Body.Insurance.Insurer.InsuranceType	Primary Health Insurance
Body.Insurance.Insurer.InsuranceProvider.Organization	National Health Insurance
	Regional Health Insurance
	Dallas Health Plan

9.1.2 Physicians and Healthcare Organizations

Choose a physician name from the values provided in table 4.1-1 of this document. Do not invent new names.

For health system organizations, chose from the table below:

Table 9.1-2- Healthcare Systems

CCR Attribute	Value
Source.Actor.Organization.Name	Millenium Health System
	Great Plains Healthcare
	Lakeside Hospital System
	Metro Hospital System