

DigitexPRO DICOM MWM/MPPS

Conformance Statement

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DigitexPRO
DICOM Modality Worklist
Conformance Statement

 **SHIMADZU**
MEDICAL SYSTEMS DEVISION

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Revision History

Rev	Content	Date
0. 8	First edition (tentative version) making	2000/03/10
0. 81	2.1.2.3.2 Peculiar conformance addition to modality work list management SOP class	2000/03/18
0. 82	Implementation Class UID and Implementation Version Name correction	2000/05/15
1.0	First edition	2000/12/05
2.0	A revision. MPPS relation addition	2000/12/18
B	Add some attributes to Radiation Dose Module	2003/12/01

0 Introduction

This application operates on the DICOM MWL Gateway device which supports TCP/IP. This application queries and retrieves the modality worklist for the information system in the network according to the DICOM standard. Moreover, procedure step information which has executed the modality is transmitted to the information system according to the DICOM standard.

Agreement to the DICOM standard of the above-mentioned application is written in this conformance statement.

1. Implementation Modal

Figure 1 shows the implementation model.

1.1 Application data flow

The application name on the DICOM MWL Gateway device is MWLQuery. The MWLQuery is the application to retrieve and to query the modality worklist.

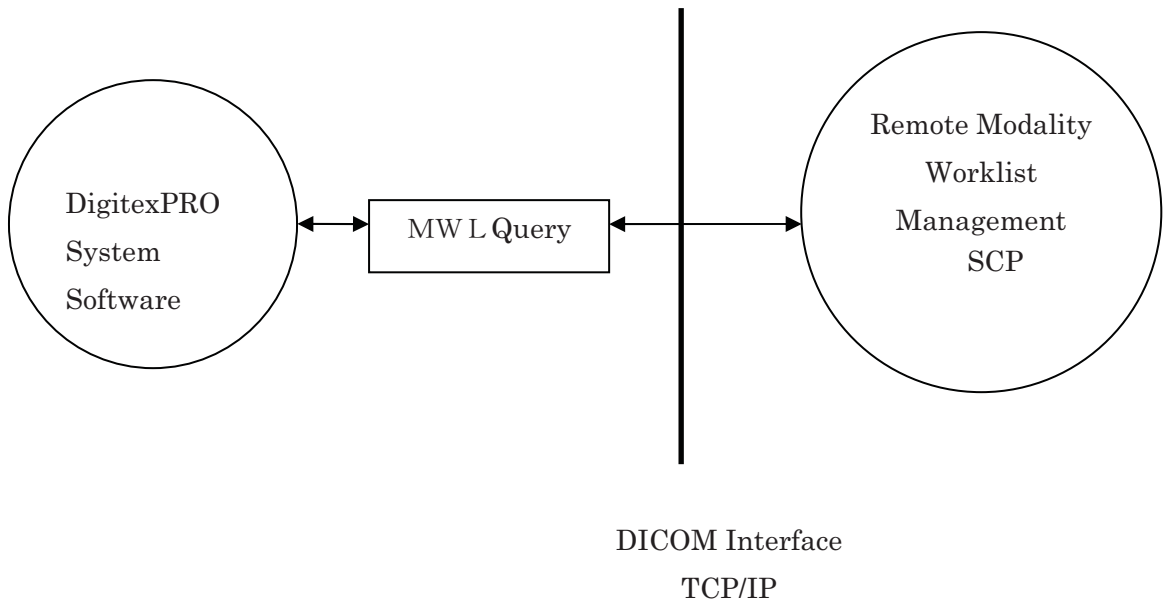


Figure 1 -1 Implementation model for MWLQuery (Only for MWM)

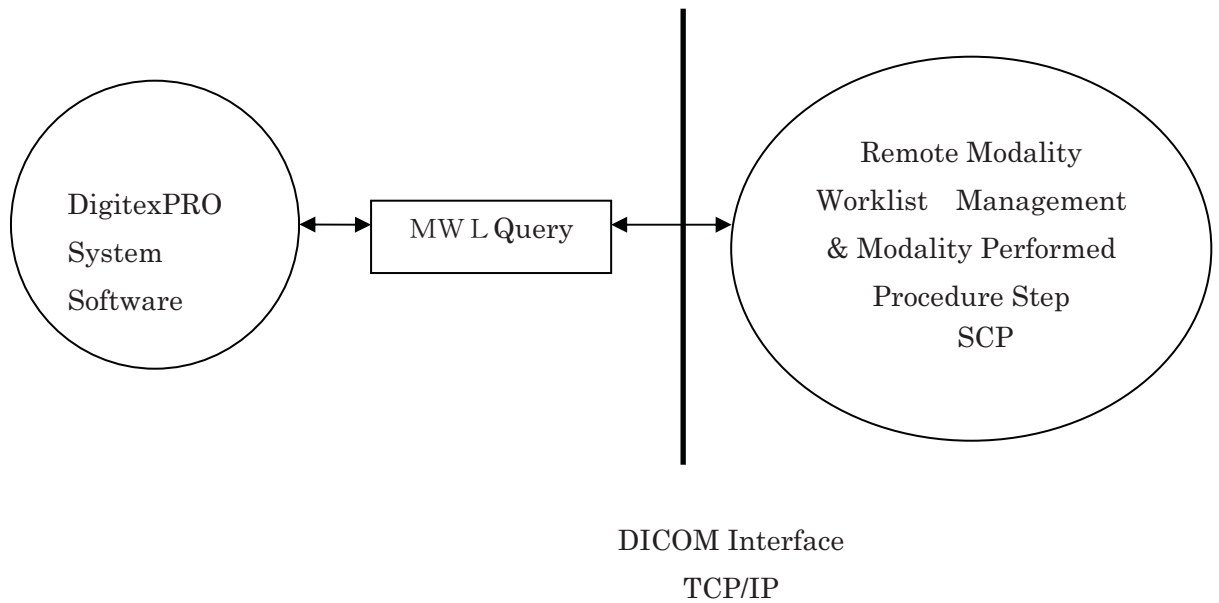


Figure 1 -2 Implementation model for MWLQuery (For MWM and MPPS)

1.2 Functional definition of AE

- MWLQuery requests the DICOM Association Establishment to the SCP.
- The query condition is input, and the query request according to the query condition is sent to SCP.
- The retrieval result is received, and the received information object is transmitted to the DigitexPRO(DAR-3000) system software.
- It transmits the MPPS Information to MPPS SCP.

Note

The MPPS SCP shall be the same that the MWM SCP, when MWLQUERY operates in MPPS.

2. AE specification

2.1 MWLQuery specification

MWLQuery supports the following DICOM SOP classes as Service Class User (SCU).

SOP Class Name	SOP Class UID
Modality Worklist Information Model - FIND	1.2.840.10008.5.1.4.31
Modality Performed Procedure Step SOP Class	1.2.840.10008.3.1.2.3.3

2.1.1 Association Establishment Policies

2.1.1.1 Number of Associations

The number of associations which MWLQuery requests simultaneously is one.

The number of associations which MWLQuery transmits at the same time is one.

2.1.1.2 Asynchronous system

The MWLQuery does not operate asynchronously.

2.1.1.3 Implementation identifying information

- Implementation Class UID = “1.2.392.200036.9110.1.0.6711.199070”
- Implementation Version Name = “MWL_MPPS_GWV1.0

2.1.2 Association Initiation Policy

After transmitting the association request, and receiving the acceptance, the MWLQuery sends the query condition.

After transmitting the association request, and receiving the acceptance, the MWLQuery sends the MPPS information to MPPS SCP.

2.1.2.1 Associated Real-World Activity

Associates real-world activity using C-FIND is that the MWLQuery retrieves the information objects from the SCP and the MWLQuery send the information objects to the DigitexPRO System Software.

The MPPS information is transmitted to the MPPS SCP.

2.1.2.2 Proposed Presentation Contexts

The MWLQuery propose the Presentation Contexts in Table 2.1.2.2-1.

Table 2.1.2.2-1 Proposed Presentation Contexts for MWLQuery

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name	UID		
Modality work list information model FIND	1.2.840.10008.5.1.4.31	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
Modality Performed Procedure Step SOP Class	1.2.840.10008.3.1.2.3.3	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None

2.1.2.3 SOP Specific Conformance

2.1.2.3.1 SOP Specific Conformance to Modality Worklist Information Class - C-FIND

2.1.2.3.1.1 Matching Key

Scheduled Procedure Step Module

Tag	Attribute Name	VR	Match-ing Key Type	Description
(0040,0100)	Scheduled Procedure Step Sequence	SQ	R	Sequence is limited to one item.
>(0008,0060)	Modality	CS	R	Single Key (RF or XA) Matching.
>(0040,0001)	Scheduled Station AE Title	AE	R	
>(0040,0002)	Scheduled Procedure Step Start Date	DA	R	Single Key Matching.

Each matching key is configurable if it is used as the matching key or not.

2.1.2.3.1.2 Return Key**Scheduled Procedure Step Module**

Tag	Attribute Name	VR	Return Key Type	Description
(0040,0100)	Scheduled Procedure Step Sequence	SQ	1	Sequence is limited to one item.
>(0008,0060)	Modality	CS	1	The return value is displayed.
>(0032,1070)	Requested Contrast Agent	LO	2C	The return value is displayed.
>(0040,0001)	Scheduled Station AE Title	AE	1	The return value is displayed.
>(0040,0002)	Scheduled Procedure Step Start Date	DA	1	The return value is displayed.
>(0040,0003)	Scheduled Procedure Step Start Time	TM	1	The return value is displayed.
>(0040,0004)	Scheduled Procedure Step End Date	DA	3	The return value is displayed.
>(0040,0005)	Scheduled Procedure Step End Time	TM	3	The return value is displayed.
>(0040,0006)	Scheduled Performing Physician's Name	PN	2	The return value is displayed.
>(0040,0007)	Scheduled Procedure Step Description	LO	1C	The return value is displayed.
>(0040,0008)	Scheduled Action Item Code Sequence	SQ	1C	Not used
>>(0008,0100)	Code Value		1C	(not applicatable)
>>(0008,0102)	Coding Scheme Designator		1C	(not applicatable)
>>(0008,0104)	Code Meaning		1C	(not applicatable)
>(0040,0009)	Scheduled Procedure Step ID	SH	1	The return value is displayed.
>(0040,0010)	Scheduled Station Name	SH	2	The return value is displayed.
>(0040,0011)	Scheduled Procedure Step Location	SH	2	The return value is displayed.
>(0040,0012)	Pre-Medication	LO	2C	The return value is displayed.
>(0040,0400)	Comments on the Scheduled Procedure Step	LT	3	The return value is displayed.

Requested Procedure Module

Tag	Attribute Name	VR	Return Key Type	Description
(0008,1110)	Referenced Study Sequence	SQ	2	Not used
>(0008,1150)	Referenced SOP Class UID	UI	1C	(not applicatable)
>(0032,1155)	Referenced SOP Instance UID	UI	1C	(not applicatable)
(0020,000D)	Study Instance UID	UI	1	The return value is displayed.
(0032,1060)	Requested Procedure Description	LO	1C	The return value is displayed.
(0032,1064)	Requested Procedure Code Sequence	SQ	1C	(not used)
>(0008,0100)	Code Value		1C	(not applicatable)
>(0008,0102)	Coding Scheme Designator		1C	(not applicatable)
>(0008,0104)	Code Meaning		1C	(not applicatable)
(0040,1001)	Requested Procedure ID	SH	1	The return value is displayed.
(0040,1002)	Reason for the Requested Procedure	LO	3	The return value is displayed.
(0040,1003)	Requested Procedure Priority	SH	2	(not used)
(0040,1004)	Requested Procedure Location	LO	2	(not used)
(0040,1005)	Requested Procedure Location	LO	3	(not used)
(0040,1006)	Placer Order Number / Procedure		3	(not used)
(0040,1007)	Filler Order Number / Procedure		3	(not used)
(0040,1008)	Confidentiality Code	LO	3	(not used)
(0040,1009)	Reporting Priority	SH	3	(not used)
(0040,1010)	Names of Intended Recipients of results	PN	3	(not used)
(0040,1400)	Requested Procedure Comments	LT	3	The return value is displayed.

Imaging Service Request Module

Tag	Attribute Name	VR	Return Key Type	Description
(0008,0050)	Accession Number	SH	2	The return value is displayed.
(0008,0090)	Referring Physician's Name	PN	2	The return value is displayed.
(0032,1032)	Requesting Physician	PN	2	The return value is displayed.
(0032,1033)	Requesting Service	LO	3	The return value is displayed.
(0040,2001)	Reason for the Imaging Service Request	LO	3	The return value is displayed.
(0040,2004)	Issuing Date of Imaging Service Request	DA	3	(not used)
(0040,2005)	Issuing Time of Imaging Service Request	TM	3	(not used)
(0040,2006)	Placer Order Number / Imaging Service Request	SH	3	(not used)
(0040,2007)	Filler Order Number / Imaging Service Request	SH	3	(not used)
(0040,2008)	Order entered by ...	PN	3	(not used)
(0040,2009)	Order Enterer's Location	SH	3	(not used)
(0040,2010)	Order Callback Phone Number	SH	3	(not used)
(0040,2400)	Imaging Service Request Comments	LT	3	(not used)

Patient Identification Module

Tag	Attribute Name	VR	Return Key Type	Description
(0010,0010)	Patient's Name	PN	1	The return value is displayed.
(0010,0020)	Patient ID	LO	1	The return value is displayed.
(0010,0021)	Issuer of Patient ID	LO	3	The return value is displayed.
(0010,1000)	Other Patient IDs	LO	3	The return value is displayed.
(0010,1001)	Other Patient Names	PN	3	The return value is displayed.
(0010,1005)	Patient's Birth Name	PN	3	The return value is displayed.
(0010,1060)	Patient's Mother's Birth Name	PN	3	The return value is displayed.
(0010,1090)	Medical Record Locator	LO	3	The return value is displayed.

Patient Demographic Module

Tag	Attribute Name	VR	Return Key Type	Description
(0010,0030)	Patient's Birth Date	DA	2	The return value is displayed.
(0010,0032)	Patient's Birth Time	TM	3	(Not used)
(0010,0040)	Patient's Sex	CS	2	The return value is displayed.
(0010,0050)	Patient's Insurance Plan Code Sequence	SQ	3	(Not used)
>(0008,0100)	Code Value		1C	(Not applicable)
>(0008,0102)	Coding Scheme Designator		1C	(Not applicable)
>(0008,0104)	Code Meaning		1C	(Not applicable)
(0010,1010)	Patient's Age	AS	3	Not Used Derived from Patient Birth date.
(0010,1020)	Patient's Size	DS	3	The return value is displayed.
(0010,1030)	Patient's Weight	DS	2	The return value is displayed.
(0010,1040)	Patient's Address	LO	3	The return value is displayed.
(0010,1080)	Military Rank	LO	3	(Not used)
(0010,1081)	Branch of Service	LO	3	(Not used)
(0010,2150)	Country of Residence	LO	3	(Not used)
(0010,2152)	Region of Residence	LO	3	(Not used)
(0010,2154)	Patient's Telephone Numbers	SH	3	The return value is displayed.
(0010,2160)	Ethnic Group	SH	3	(Not used)
(0010,2180)	Occupation	SH	3	(Not used)
(0010,21F0)	Patient's Religious Preference	LO	3	(Not used)
(0010,4000)	Patient Comments	LT	3	The return value is displayed.
(0040,3001)	Patient Data Confidentiality Constraint Description	LO	2	(Not used)

Patient Medical Module

Tag	Attribute Name	VR	Return Key Type	Description
(0010,2000)	Medical Alerts	LO	2	The return value is displayed.
(0010,2110)	Contrast Allergies	LO	2	The return value is displayed.
(0010,21A0)	Smoking Status	CS	3	(Not used)
(0010,21B0)	Additional Patient History	LT	3	The return value is displayed.
(0010,21C0)	Pregnancy Status	US	2	The return value is displayed.
(0010,21D0)	Last Menstrual Date	DA	3	(Not used)
(0038,0050)	Special Needs	LO	2	The return value is displayed.
(0038,0500)	Patient State	LO	2	The return value is displayed.

Visit Identification Module

Tag	Attribute Name	VR	Return Key Type	Description
(0008,0080)	Institution Name	LO	3	The return value is displayed.
(0008,0081)	Institution Address	ST	3	The return value is displayed.
(0008,0082)	Institution Code Sequence	SQ	3	(Not used)
>(0008,0100)	Code Value		1C	(Not Applicable)
>(0008,0102)	Coding Scheme Designator		1C	(Not Applicable)
>(0008,0104)	Code Meaning		1C	(Not Applicable)
(0038,0010)	Admission ID	LO	2	The return value is displayed.
(0038,0011)	Issuer of Admission ID	LO	3	The return value is displayed.

Visit Status Module

Tag	Attribute Name	VR	Return Key Type	Description
(0038,0008)	Visit Status ID	CS	3	The return value is displayed.
(0038,0300)	Current Patient Location	LO	2	The return value is displayed.
(0038,0400)	Patient's Institution Residence	LO	3	The return value is displayed.
(0038,4000)	Visit Comments	LT	3	The return value is displayed.

Visit Admission Module

Tag	Attribute Name	VR	Return Key Type	Description
(0008,0090)	Referring Physician's Name	PN	3	The return value is displayed.
(0008,0092)	Referring Physician's Address	ST	3	The return value is displayed.
(0008,0094)	Referring Physician's Phone Numbers	SH	3	The return value is displayed.
(0008,1080)	Admitting Diagnosis Description	LO	3	Not used
(0008,1084)	Admitting Diagnosis Code Sequence	SQ	3	Not used
(0038,0016)	Route of Admissions	LO	3	The return value is displayed.
(0038,0020)	Admitting Date	DA	3	The return value is displayed.
(0038,0021)	Admitting Time	TM	3	The return value is displayed.

2.1.2.3.2 SOP Specific Conformance to SOP Class

MWLQuery provides standard conformance to DICOM Modality Performed Procedure Step SCU.

2.1.2.3.3 Specific Conformance to Modality Performed Procedure Step SOP class

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Specific character set	(0008,0005)	1C/1C (necessity when enhancing or replacement character set is used)	It is not allowed.		It does not adjust.	It does not adjust.	It does not adjust.	

Performed Procedure Step Relationship

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Scheduled Step Attributes Sequence	(0040,0270)	1/1	It is not allowed.		It transmits.			
> Study Instance UID	(0020,000D)	1/1	It is not allowed.		It transmits.			
> Reference Study Sequence	(0008,1110)	2/2	It is not allowed.		Only Tag is transmitted.			
>> Reference SOP Class UID	(0008,1150)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					
>> Reference SOP Instance UID	(0008,1155)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					
> Accession Number	(0008,0050)	2/2	It is not allowed.		It transmits.			
> Placer Order Number/Imaging Service Request	(0040,2006)	3/3	It is not allowed.					
> Filler Order Number/Imaging Service Request	(0040,2007)	3/3	It is not allowed.					
> Requested Procedure ID	(0040,1001)	2/2	It is not allowed.		Only Tag is transmitted.			
> Requested Procedure Description	(0032,1060)	2/2	It is not allowed.		Only Tag is transmitted.			
> Placer Order Number/Procedure	(0040,1006)	3/3	It is not allowed.					
> Filler Order Number/Procedure	(0040,1007)	3/3	It is not allowed.					

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
> Scheduled Procedure Step ID	(0040,0009)	2/2	It is not allowed.		It transmits.			
> Scheduled Procedure Step Description	(0040,0007)	2/2	It is not allowed.		Only Tag is transmitted.			
> Scheduled Protocol Code Sequence	(0040,0008)	2/2	It is not allowed.		Only Tag is transmitted.			
>> Code Value	(0008,0100)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					
>> Coding Scheme Designator	(0008,0102)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					
>> Code meaning	(0008,0104)	3/3	It is not allowed.					
Patient's Name	(0010,0010)	2/2	It is not allowed.		Only the alphabet name is transmitted.			
Patient ID	(0010,0020)	2/2	It is not allowed.		It transmits.			
Patient's Birth Date	(0010,0030)	2/2	It is not allowed.		It transmits.			
Patient's Sex	(0010,0040)	2/2	It is not allowed.		It transmits.			
Referenced Patient Sequence	(0008,1120)	2/2	It is not allowed.		Only Tag is transmitted.			
> Referenced SOP Class UID	(0008,1150)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					
> Referenced SOP Instance UID	(0008,1155)	1C/1 (Required if Sequence Item is present.)	It is not allowed.					

Performed Procedure Step Information

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Performed Procedure Step ID	(0040,0253)	1/1	It is not allowed.		It transmits.			
Performed Station AE Title	(0040,0241)	1/1	It is not allowed.		It transmits.			
Performed Station Name	(0040,0242)	2/2	It is not allowed.		Only Tag is transmitted.			
Performed Location	(0040,0243)	2/2	It is not allowed.		Only Tag is transmitted.			
Performed Procedure Step Start Date	(0040,0244)	1/1	It is not allowed.		It transmits.			
Performed Procedure Step Start Time	(0040,0245)	1/1	It is not allowed.		It transmits.			
Performed Procedure Step Status	(0040,0252)	1/1	3/1		It transmits.			
Performed Procedure Step Description	(0040,0254)	2/2	3/2		Only Tag is transmitted.			
Performed Procedure Step Type Description	(0040,0255)	2/2	3/2		Only Tag is transmitted.			
Procedure Code Sequence	(0008,1032)	2/2	3/2		Only Tag is transmitted.			
> Code Value	(0008,0100)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
> Coding Scheme Designator	(0008,0102)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
> Code Meaning	(0008,0104)	3/3	3/3					
Performed Procedure Step End Date	(0040,0250)	2/2	3/1	1	Only Tag is transmitted.			
Performed Procedure Step End Time	(0040,0251)	2/2	3/1	1	Only Tag is transmitted.			
Comments on the Performed Procedure Step	(0040,0280)	3/3	3/3		Only Tag is transmitted.			

Image Acquisition Results

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Modality	(0008,0060)	1/1	It is not allowed.		It transmits.			
Study ID	(0020,0010)	2/2	It is not allowed.		Only Tag is transmitted.			
Performed Protocol Code Sequence	(0040,0260)	2/2	3/2		Only Tag is transmitted.			
> Code Value	(0008,0100)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
> Coding Scheme Designator	(0008,0102)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
> Code Meaning	(0008,0104)	3/3	3/3					
Performed Series Sequence	(0040,0340)	2/2	3/1	1	Only Tag is transmitted.		It transmits.	
> Performing Physician's Name	(0008,1050)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)	2			Only Tag is transmitted.	
> Protocol Name	(0018,1030)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)	1			It transmits.	
> Operator's Name	(0008,1070)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)	2			Only Tag is transmitted.	
> Series Instance UID	(0020,000E)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)	1			It transmits.	
> Series Description	(0008,103E)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)	2			Only Tag is transmitted.	
> Retrieve AE Title	(0008,0054)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)	2			Only Tag is transmitted.	
> Referenced Image Sequence	(0008,1140)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)				When the DR radiography is taken, it is transmitted.	

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
>> Referenced SOP Class UID	(0008,1150)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)				When the DR radiography is taken, it is transmitted.	
>> Referenced SOP Instance UID	(0008,1155)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)				When the DR radiography is taken, it is transmitted.	
> Referenced Non-Image Composite SOP Instance Sequence	(0040,0220)	2C/2 (Required if Sequence Item is present.)	2C/2 (Required if Sequence Item is present.)				Only Tag is transmitted.	
>> Referenced SOP Class UID	(0008,1150)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
>> Referenced SOP Instance UID	(0008,1155)	1C/1 (Required if Sequence Item is present.)	1C/1 (Required if Sequence Item is present.)					
> All Other Attributes from Performed Series Sequence		3/3	3/3					
All Other Attributes from Radiation Dose Module, Billing and Material Management Module		3/3	3/3					

Radiation Dose Module

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Total Time of Fluoroscopy	(0040,0300)						It transmits.	
Total Number of Exposure	(0040,0301)						It transmits.	
Distance Source to Detector (SID)	(0018,1110)							
Distance Source to Entrance	(0040,0306)							
Entrance Dose	(0040,0302)						Only Tag is transmitted.	
Entrance Dose in mGy	(0040,8302)						Only Tag is transmitted.	
Exposed Area	(0040,0303)						Only Tag is transmitted.	
Image Area Dose Product	(0018,115E)						Only Tag is transmitted.	
Comments on Radiation Dose	(0040,0310)						Only Tag is transmitted.	
Exposure Dose Sequence	(0040,030E)						Only Tag is transmitted.	
>Radiation Mode	(0018,115A)						transmits	'CONTINUOUS' if fluoroscopy 'PULSED' if Radiography
>KVp	(0018,0060)						Transmits	
>X-ray Tube Current in μ A	(0018,8151)						transmits.	
>Exposure Time	(0018,1150)						transmits	

>Filter Type	(0018,1160)								Only Tag is transmitted.	
>Filter Material	(0018,7050)									

Billing and Material Management Module

Attribute name	Tag	Necessary type N-CREATE	Necessary type N-SET	Necessary type (final state)	N_CREATE	N_SET	Final state	Explanation
Film consumption sequence	(0040,0321)				Only Tag is transmitted.		It transmits.	
> Number of films	(2100,0170)						It transmits.	
> Medium type	(2000,0030)						It transmits.	
> Film Size ID	(2010,0050)						It transmits.	
Billing Supplies and Devices Sequence	(0040,0324)							
> Billing Item Sequence	(0040,0296)							
> Quantity Sequence	(0040,0293)							
>> Quantity	(0040,0294)							
>> Measuring Units Sequence	(0040,0295)							

2.1.2.4 Proposed Presentation Contexts

The MWLQuery proposes the presentation context shown in Table 2.1.2.2-1.

2.1.2.5 Transfer Syntax Selection Policies

MWLQuery supports only the Implicit VR Little endian Transfer Syntax.

3. COMMUNICATION PROFILES

3.1 Supported Communications Stacks

The MWLQuery provides DICOM V3.0 TCP/IP Network Communication Support as defined in PS 3.8.

3.2 TCP/IP

3.2.1 Physical Media Support

MWLQuery operates by using Ethernet(10BaseT,100BaseTX).

4. EXTENSIONS/SPECIALIZATIONS/PRIVATIZATIONS

Not Applicable.

5. CONFIGURATION

5.1 AE Title/Presentation Address Mapping

MWLQuery only uses an original configuration file related to the network.

5.2 Configurable Parameters

The establishment demand of the association is done by at least using the following parameter.

- Application Entity Title
- IP Address
- Port Number

(These parameters are configurable.)

6. SUPPORT OF EXTENDED CHARACTER SETS

MWLQuery can handle these extended character sets:

ISO-IR 87: Japanese kanji (ideographic), hiragana (phonetic),
and katakana (phonetic) characters (94 2 characters, 2-byte).