DICOM Conformance Statement

TOPCON Corporation

TOPCON SPECULAR MICROSCOPE SP-1P

Version 1.10

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1 CONFORMANCE STATEMENT OVERVIEW

This document declares conformance to DICOM V3.0 for SP-1P. SP-1P implements the necessary DICOM services to find work lists on an information system, retrieve a patient information from a PACS, save reporting images generated from acquiring corneal endothelium cell images, and inform the information system about the work actually done.

Table 1-1 provides an overview of the network services supported by SP-1P. This corresponds since software version 1.10.

SOP Class Name	User of Srvice (SCU)	Provider of Service (CP)
Verification	-	-
Verification SOP Class	Yes	No
Transfer		
Secondary Capture Image Storage	Yes	No
Query/Retrieve	-	-
Patient Root Query / Retrieve Information Model - FIND	Yes	No
Workflow Management	-	-
Modality Worklist Information Model - FIND	Yes	No

Table 1-1 NETWORK SERVICES

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3 INTRODUCTION

3.1 REVISION HISTORY

Table 3-1 REVISION HISTORY

Document Version	Date of issue	Description
1	Feb. 17, 2014	Initial release. (Version 1.10)

3.2 AUDIENCE

This document is intended for hospital staffs, health system integrators, software engineers, service staffs who have a basic knowledge of DICOM.

3.3 REMARKS

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication with TOPCON and other vendors' Medical equipment. The Conformance Statement should read and understood in conjunction with the DICOM Standard. However, by itself, it is not guaranteed to ensure the desired interoperability and a successful inter-connectivity.

The user should be aware of the following important issues:

- The comparison of different conformance statements is the first step towards assessing inter-connectivity between TOPCON and non-TOPCON equipment.
- Test procedures should be defined to validate the desired level of connectivity.
- The DICOM standard will evolve to meet the users' future requirements. TOPCON is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

3.4 DEFINITIONS, TARMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within different parts of the DICOM standard.

Abbreviations and terms are as follows:

- ACR American College of Radiology
- AE Application Entity
- ANSI American National Standards Institute
- ASCII American Standard Code for Information Interchange
- DICOM Digital Imaging and Communication in Medicine
- DIMSE DICOM Message Service Element
- DIMSE-C DICOM Message Service Element-Composite
- DIMSE-N DICOM Message Service Element-Normalized
- IE Information Entity
- IOD Information Object Definition
- ISO International Standards Organization
- NEMA National Electrical Manufacture Association
- OSI Open Systems Interconnection
- PDU Protocol Data Unit
- SCP Service Class Provider
- SCU Service Class User
- SOP Service Object-Pair
- TCP/IP Transmission Control Protocol/Internet Protocol
- UID Unique Identifier

3.5 REFERENCES

Digital Imaging and Communication in Medicine (DICOM), NEMA PS 3, 2011

4 NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow





- SP-1P has just only one Application Entity Title that name is 'TP_AM_SP1P_001' as default.
 Verification, Worklist, Patient Root query, Storage, Modality Procedure steps, and Storage
 Commitment to work individually that have individual port for each functionalities.
- The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is associated with the local real-world activity 'Verify Connectivity'. 'Verify Connectivity' is performed from the Setup Menu of SP-1P.
- The Worklist SCU AE issues a C-FIND to find items on the worklist of remote AE. And the Worklist SCU AE receives Worklist information from a remote AE. It is associated with the

local real-world activity `Query Modality Worklist'. When the `Query Modality Worklist' is performed the Worklist SCU AE queries a remote AE for worklist items and provides the set of worklist items matching the query request. `Query Modality Worklist' is performed as a result of an operator request and an automatic request.

- The Patient Root Query AE queries a remote AE for patient information such as patient name and a patient identifier. It is associated with the local real-world activity `Query Patient Information'.
- The Storage SCU AE sends images to a remote AE. It is associated with the local real-world activity `Send Images'. `Send Images' is performed when a user requests to output the results of measurement.

4.1.2 Function Definitions of AE's

4.1.2.1 Function Definitions of Verification Entity

The verification AE checks the connection settings of DICOM by sending a C-ECHO request message to a remote verification AE.

4.1.2.2 Function Definitions of Worklist Application Entity

The worklist AE receives a study order list by sending a search condition with a C-FIND request message to a remote worklist AE. And the study order list is displayed on the SP-1P.

4.1.2.3 Function Definitions of Patient Root Query Application Entity

The patient root query AE receives a patient list by sending a condition of a query with C-FIND request message to a remote patient root query AE. And the patient list is displayed on the SP-1P.

4.1.2.4 Function Definitions of Storage Application Entity

The storage AE sends a captured image with a C-STORE request message to a remote storage AE. The storage AE corresponds to SC modality.

4.2 AE SPECIFICATIONS

4.2.1 Verification SCU

The verification AE provides Standard Conformance to the following DICOM V3.0 SOP class as an SCU.

4.2.1.1 SOP Class

The Verification SCU AE provides Standard Comformance to the following SOP Classes:

Table 4-1

SOP CLASSES FOR THE VERIFICATION SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	No

4.2.1.2 Association Policies

4.2.1.2.1 General

The Application Context Name for DICOM 3.0 is the only Application Context proposed.

Table 4-2

DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2 Number of Associations

The Verification SCU can establish only one association simultaneously at a time.

Table 4-3

DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCU AE

Maximum number of simultaneous associations	1

4.2.1.2.3 Asynchronous Nature

The Verification SCU allows only a single operation for an association. Therefore an asynchronous operation is not supported.

Table 4-4

ASYNCHRONOUS NATURE FOR THE VERIFICATION SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.1.2.4 Implementation Identifying Information

The implementation information for the Verification SCU AE is:

Table 4-5

DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCU AE

Implementation Class UID	1.2.392.200106.1641.1.5
Implementation Version Name	TOPCON_SP1P_360

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity - Verify Connectivity

4.2.1.3.1.1 Description and Sequencing Activities

After the verification AE establishes a new association to check the connection settings, it sends a verification request message to a remote verification AE by using a C-ECHO service of DIMSE-C.

4.2.1.3.1.2 Proposed Presentation Contexts

The verification AE is capable of proposing the Presentation Contexts shown in the following table.

Table 4-6

PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFY CONNECTIVITY

	Presentation Context				
Abstr	act Syntax	Transfer Syntax		Role	Ext.
Name	UID	Name List	UID List		Neg.
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None

4.2.1.3.1.3 SOP Specific Conformance for Verification SOP Class

When the result of data communications is successful, the verification AE judges that verification is successful even if the release of an association fails.

4.2.1.3.2 A receiving policy of association

The verification AE does not accept any association requests.

4.2.2 Worklist

The worklist AE provides Standard Conformance to the following DICOM V3.0 SOP class as an SCU.

4.2.2.1 SOP Class

SOP Class Name	SOP Class UID	Role
Modality Worklist Information Model-FIND	1.2.840.10008.5.1.4.31	SCU

4.2.2.2 Association Policies

4.2.2.2.1 General

The Application Context Name for DICOM 3.0 is the only Application Context proposed.

4.2.2.2.2 Number of Associations

The worklist AE can establish only one association simultaneously.

4.2.2.2.3 Asynchronous Nature

The worklist AE allows only a single operation for an association. Therefore an asynchronous operation is not supported.

4.2.2.2.4 Implementation Identifying Information

The worklist AE specifies the following implementation identifying information.

Implementation Class UID	1.2.392.200106.1641.1.1
Implementation Version Name	TOPCON_SP1P_360

4.2.2.2.5 Activity

4.2.2.2.5.1 Description and Sequencing Activities

After the worklist AE establishes a new association to receive a study order list, it sends a search condition to a remote worklist AE by using a C-FIND service of DIMSE-C.

4.2.2.2.5.2 Proposed Presentation Contexts

The worklist AE is capable of proposing the Presentation Contexts shown in the following table.

Presentation Context					
Abstract Syntax Transfer Syntax		Role	Ext.		
Name	UID	Name List	UID List		Neg.
Modality Worklist	1.2.840.10008.5.1.4.31	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
Information Model-FIND		Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None

4.2.2.2.5.3 SOP Specific Conformance for Worklist SOP Class

When the result of data communications is successful, the worklist AE judges that the acquisition of a study order list is successful even if the release of an association fails.

Tag Description	Тад	Matching	Display
Scheduled Procedure Step			
Scheduled Procedure Step Sequence	(0040,0100)		
>Scheduled Station AE Title	(0040,0001)	S+	
>Scheduled Procedure Step Start Date	(0040,0002)	S	х

>Scheduled Procedure Step Start Time	(0040,0003)				
>Modality	(0008,0060)	S+			
>Scheduled Performing Physicians Name	(0040,0006)				
>Scheduled Procedure Step Description	(0040,0007)				
>Scheduled Procedure Step Location	(0040,0011)				
>Scheduled Action Item Code Sequence	(0040,0008)				
>>Code Value	(0008,0100)				
>>Coding Scheme Designator	(0008,0102)				
>>Coding Meaning	(0008,0104)				
>Scheduled Procedure Step ID	(0040,0009)				
Requested Proced	ure				
Requested Procedure ID	(0040,1001)				
>Requested Procedure Description	(0032,1060)				
>Requested Procedure Code Sequence	(0032,1064)				
>Code Value	(0008,0100)				
>Coding Scheme Designator	(0008,0102)				
>Coding Meaning	(0008,0104)				
Study Instance UID	(0020,000D)				
Referenced Study Sequence	(0008,1110)				
Imaging Service Request					
Accession Number	(0008,0050)		x		
Requesting Physician	(0032,1032)				
Referring Physician's Name	(0008,0090)				
Visit Status					
Current Patient Location	(0038,0300)				
Patient Identification					
Patient's Name	(0010,0010)	*	x		
Patient ID	(0010,0020)	*	x		
Patient Demograp	hic	T			
Patient's Birth Date	(0010,0030)				
Patient's Sex	(0010,0040)				
Patient's Weight	(0010,1030)				

Tag: Tag Number

Matching: Search key for updating the worklist.

'S' provides an attribute for a single inspection.

'+' indicates a configurable item in the setting page.

'*' indicates a wildcard search is available.

Display: 'x' indicates the items that SP-1P can display on the monitor screen.

4.2.2.2.6 A receiving policy of association

The worklist AE does not accept any association requests.

4.2.3 Patient Root Query

The patient root query AE provides Standard Conformance to the following DICOM V3.0 SOP class as an SCU.

4.2.3.1 SOP Class

SOP Class Name	SOP Class UID	Role
Patient Root Query / Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1	SCU

4.2.3.2 Association Policies

4.2.3.2.1 General

The Application Context Name for DICOM 3.0 is the only Application Context proposed.

Application Context Name	1.2.840.10008.3.1.1.1

4.2.3.2.2 Number of Associations

The patient root query AE can establish only one association simultaneously.

4.2.3.2.3 Asynchronous Nature

The patient root query AE allows only a single operation for an association. Therefore an asynchronous operation is not supported.

4.2.3.2.4 Implementation Identifying Information

Implementation Class UID	1.2.392.200106.1641.1.6
Implementation Version Name	TOPCON_SP1P_360

4.2.3.2.5 Activity

4.2.3.2.5.1 Description and Sequencing Activities

After the patient root query AE establishes a new association to receive a patient information list from PACS, it sends a search condition to a remote patient root query AE by using a C-FIND service of DIMSE-C.

4.2.3.2.5.2 Proposed Presentation Contexts

The patient root query AE is capable of proposing the Presentation Contexts shown in the following table.

Presentation Context					
Ab	Abstract Syntax Transfer Syntax			Role	Ext.
Name	UID	Name List	UID List		Neg.
Patient Root Query / Retrieve	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
Information Model - FIND		Explicit VR Little Endian	1.2.840.10008.1.2.1	SCU	None

4.2.3.2.5.3 SOP Specific Conformance for Patient Root Query SOP Class

When the result of data communications is successful, the patient root query AE judges that the acquisition of a patient information list is successful even if the release of an association fails.

And the value of Query / Retrieve level is fixed to 'PATIENT'.

Tag Description	Tag	Matching	Display
Patient Level			
Patient's Name	(0010,0010)	*	х
Patient ID	(0010,0020)	*	х
Patient's Birth Date	(0010,0030)		
Patient's Sex	(0010,0040)		
Ethnic Group	(0010,2160)		

Tag: Tag Number

Matching: Search key for updating the patient list.

'*' indicates a wildcard search is available.

Display: 'x' indicates the items that SP-1P can display on the monitor screen.

4.2.3.2.6 A receiving policy of association

The patient root query AE does not accept any association requests.

4.2.4 Storage

The storage AE provides Standard Conformance to the following DICOM V3.0 SOP class as a SCU.

4.2.4.1 SOP Classes

SOP Class Name	SOP Class UID	Role
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	SCU

4.2.4.2 Association Policies

4.2.4.2.1 General

The Application Context Name for DICOM 3.0 is the only Application Context proposed.

Application Context Name	1.2.840.10008.3.1.1.1

4.2.4.2.2 Number of Associations

The storage AE can establish only one association simultaneously.

4.2.4.2.3 Asynchronous Nature

The storage AE allows only a single operation for an association. Therefore an asynchronous operation is not supported.

4.2.4.2.4 Implementation Identifying Information

The storage AE specifies the following implementation identifying information.

Implementation Class UID	1.2.392.200106.1641.1.2
Implementation Version Name	TOPCON_SP1P_360

4.2.4.2.5 Activity

4.2.4.2.5.1 Description and Sequencing Activities

After the storage AE establishes a new association to store an image, it sends an image to a remote storage AE by using a C-STORE service of DIMSE-C.

4.2.4.2.5.2 Proposed Presentation Contexts

The store AE is capable of proposing the Presentation Contexts shown in the following table.

Presentation Context						
Abstract Syntax		Transfe	Role	Ext.		
Name	UID	Name List	UID List		Neg.	
SC Image Storage	1.2.840.10008.5.1. 4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None	
		Explicit VR Little Endian	1.2.840.10008.1.2. 1	SCU	None	
		JPEG Baseline Lossy Compression (*)	1.2.840.10008.1.2. 4.50	SCU	None	

(*) JPEG Baseline(Process 1)

4.2.4.2.5.3 SOP Specific Conformance for Storage SOP Class

When the result of data communications is successful, the storage AE judges that the storing of an image is successful even if the release of an association fails.

The details of IODs which is sent by storage AE are described in 8 ANNEXS.

4.2.4.2.6 A receiving policy of association

The store AE does not accept any association requests.

4.3 NETWORK INTERFACES

SP-1P supports DICOM TCP/IP network communication which is defined in PS 3.8 of DICOM Standard. In addition, SP-1P supports the TCP/IP protocol stack of Linux system.

4.3.1 Physical Network Interface

SP-1P supports a single network interface. One of the following physical network interfaces will be available.

Ethernet 1000 base T
Ethernet 100 base T

4.3.2 IPv4 and IPv6 Support

SP-1P only supports IPv4 connections.

4.4 DATA DICTIONARY OF PRIVATE ATTRIBUTES

SP-1P does not support any Private Attributes.

4.5 STANDARD EXTENDED / SPECIALIZED / PRIVATE SOP CLASSES

SP-1P does not support any Extended, Specialized or Private SOP Classes.

4.6 PRIVATE TRANSFER SYNTAXES

SP-1P does not support any Private Transfer Syntaxes.

4.7 CONFIGURATION

4.7.1 AE Title / Presentation Address Mapping

SP-1P uses the AE titles and TCP/IP ports which are specified in the setting page.

4.7.2 **Parameters**

Many parameters for the general operations can be specified by using a configuration user interface. The following table shows the configurable parameters for DICOM communication.

SCU		
Items	Parameters	Descriptions
SP-1P	IP Address	Default: None
	Port Number	Default: 64001
	AE Title	Default: TP_AM_SP1P_001
SCP		
Items	Parameters	Descriptions
Modality Worklist	IP Address	Default: None
	Port Number	Default: 0
	AE Title	Default: None
Storage	IP Address	Default: None
	Port Number	Default: 0

	AE Title	Default: None	
	Modality	Default: SC	
		The following values are available.	
		- SC	
		- OP	
		- XC	
		- OT	
	Transfer Syntax	Default: Implicit VR Little Endian	
		The following values are available.	
		- Implicit VR Little Endian	
		- Explicit VR Little Endian	
		- JPEG Baseline Lossy Compression	
Patient Root Query	IP Address	Default: None	
	Port Number	Default: 0	
	AE Title	Default: None	

5 MEDIA INTERCHANGE

SP-1P does not support Media Interchange.

6 SUPPORT OF CHARACTER SETS

SP-1P supports the following character set.

• ISO_IR 6

7 SECURITY

SP-1P does not support any specific security measures. It is assumed that SP-1P is used within a secured environment. It is assumed that a secured environment includes at a minimum:

- a. Firewall or router protections to ensure that only approved external hosts have network access to SP-1P.
- b. Firewall or router protections to ensure that SP-1P only has network access to approved external hosts and services.

c. Any communication with external hosts and services outside the locally secured environment use appropriate secure network channels (e.g. Such as a Virtual Private Network (VPN))

Other network security procedures such as automated intrusion detection may be appropriate in some environments. Additional security features may be established by the local security policy and are beyond the scope of this conformance statement.

8 ANNEXS

8.1 IODs of the Storage AE

When the storage AE sends an image, after generating an IOD, which conforms to one of the following SOP classes, the storage AE sends it.

Information Entity	Module	Referenc e	Usage ^{*1}
Patient	Patient	A.2.1	М
Study	General Study	A.2.2	М
Series	General Series	A.2.3	М
Equipment	General Equipment	A.2.6	U
	SC Equipment	A.2.11	М
Image	General Image	A.2.7	М
	Image Pixel	A.2.8	Μ
	SC Image	A.2.13	М
	SOP Common	A.2.10	Μ

8.1.1 Secondary Capture Image IOD

*1: M=Mandatory, C=Conditional, U=User option

8.2 Module lists of IODs

8.2.1 Patient Module

Attribute Name	Tag	Туре	Attribute Description
Patient's Name	(0010,0010)	2	A value acquired from MWL, a value acquired from PACS, a value generated by SP-1P or empty.
Patient ID	(0010,0020)	2	A value acquired from MWL, a value acquired from PACS or a value generated by SP-1P.
Patient's Birth Date	(0010,0030)	2	A value acquired from MWL or a value acquired from PACS.

Patient's Sex	(0010,0040)	2	A value acquired from MWL or a value acquired from PACS.
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8.2.2 General Study Module

Attribute Name	Tag	Туре	Attribute Description
Study Instance UID	(0020,000D)	1	A value acquired from MWL or a value generated by SP-1P.
Study Date	(0008,0020)	2	A value generated by SP-1P.
Study Time	(0008,0030)	2	A value generated by SP-1P or empty.
Referring Physician's Name	(0008,0090)	2	A value acquired from MWL or empty.
Study ID	(0020,0010)	2	A value acquired from MWL or empty.
Accession Number	(0008,0050)	2	A value acquired from MWL or empty.
Study Description	(0008,1030)	3	-
Referenced Study Sequence	(0008,1110)	3	-
>Referenced SOP Class UID	(0008,1150)	1	SOP Class UID
>Referenced SOP Instance UID	(0008,1155)	1	SOP Instance UID
Procedure Code Sequence	(0008,1032)	3	-
> Code Value	(0008,0100)	2	A value generated by SP-1P.
> Coding Scheme Designator	(0008,0102)	2	A value generated by SP-1P.
> Code Meaning	(0008,0104)	2	A value generated by SP-1P.

8.2.3 General Series Module

Attribute Name	Tag	Туре	Attribute Description
Modality	(0008,0060)	1	VL or SC
Series Instance UID	(0020,000E)	1	A value generated by SP-1P.
Series Number	(0020,0011)	2	A value generated by SP-1P.
Laterality	(0020,0060)	2C	R or L.
			In case of OP, this tag does not exist in an IOD.
Series Description	(0008,103E)	3	color
Series Date	(0008,0021)	3	A value generated by SP-1P.
Series Time	(0008,0031)	3	A value generated by SP-1P.
Referenced Performed Procedure Step Sequence	(0008,1111)	3	-
>Referenced SOP Class UID	(0008,1150)	1	-
>Referenced SOP Instance UID	(0008,1155)	1	-
Request Attributes Sequence	(0040,0275)	3	-
>Requested Procedure ID	(0040,1001)	1C	A value acquired from MWL.

>Scheduled Procedure Step ID	(0040,0009)	1C	A value acquired from MWL.
 Scheduled Procedure Step Description 	(0040,0007)	3	A value acquired from MWL.
 Scheduled Protocol Code Sequence 	(0040,0008)	3	-
>>Code Value	(0008,0100)	2	A value acquired from MWL.
>>Coding Scheme Designator	(0008,0102)	2	A value acquired from MWL.
>>Code Meaning	(0008,0104)	2	A value acquired from MWL.

8.2.4 General Equipment Module

Attribute Name	Tag	Туре	Attribute Description
Manufacturer	(0008,0070)	2	A preset value
Manufacturer's Model Name	(0008,1090)	3	SP-1P
Device Serial Number	(0008,1090)	3	Device Serial Number
Software Versions	(0018,1020)	3	Software Version

8.2.5 General Image Module

Attribute Name	Tag	Туре	Attribute Description
Instance Number	(0020,0013)	2	A value generated by SP-1P.
Patient Orientation	(0020,0020)	2C	L¥F
Content Date	(0008,0023)	2C	A value generated by SP-1P.
Content Time	(0008,0033)	2C	A value generated by SP-1P.
Image Type	(0008,0008)	3	ORIGINAL¥PRIMARY
Acquisition Number	(0020,0012)	3	A value generated by SP-1P. In case of OP, this tag exists in an IOD.
Acquisition Date	(0008,0022)	3	Same as Content Date.
Acquisition Time	(0008,0032)	3	Same as Content Time.
Acquisition Date Time	(0008,002A)	3	A value generated from Content Date and Content Time. In case of OP, this tag exists in an IOD.
Burned In Annotation	(0028,0301)	3	NO
Lossy Image Compression	(0028,2110)	3	00 or 01

8.2.6 Image Pixel Module

Attribute Name	Tag	Туре	Attribute Description
Sample per Pixel	(0028,0002)	1	A value generated by SP-1P.
Photometric Interpretation	(0028,0004)	1	A value generated by SP-1P.
Rows	(0028,0010)	1	A value generated by SP-1P.
Columns	(0028,0011)	1	A value generated by SP-1P.
Bits Allocated	(0028,0100)	1	A value generated by SP-1P.

Bits Stored	(0028,0101)	1	A value generated by SP-1P.
High Bit	(0028,0102)	1	A value generated by SP-1P.
Pixel Representation	(0028,0103)	1	A value generated by SP-1P.
Pixel Data	(7FE0,0010)	1C	A value generated by SP-1P.
Planar Configuration	(0028,0006)	1C	A value generated by SP-1P.

8.2.7 SOP Common Module

Attribute Name	Tag	Туре	Attribute Description
SOP Class UID	(0008,0016)	1	A value generated by SP-1P.
SOP Instance UID	(0008,0018)	1	A value generated by SP-1P.
Specific Character Set	(0008,0005)	1C	In case of using Japanese, this tag is used.
Instance Creation Date	(0008,0012)	3	A value generated by SP-1P.
Instance Creation Time	(0008,0013)	3	A value generated by SP-1P.

8.2.8 SC Equipment Module

In case of 'Secondary Capture Image', this module is used.

Attribute Name	Tag	Туре	Attribute Description
Conversion Type	(0008,0064)	1	DF

8.2.9 SC Image Module

In case of 'Secondary Capture Image', this module is used.

Attribute Name	Tag	Туре	Attribute Description
Pixel Spacing	(0028,0030)	1C	A value generated by SP-1P.