KODAK DIGITAL SCIENCE

Film Digitizer

DICOM Conformance Statement

Version 4.3.2

October 27, 1997

Document # 6C7311 REV A

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Revision History

Date	Rev	Editor	Comments
2/24/95	1.0	Andrew	Initial release.
3/16/95	1.1	Andrew	Major revisions to more accurately describe the Lumiscan system.
1/3/96	1.2	mike f	Added Query and N-Get sections
3/7/96	2.1	mike f	Removed N-Get, Added Modality Worklist
4/15/96	2.2	mike f	minor revisions
4/19/96	2.3	mike f	corrected N-Event-Report from SCP to SCU
8/27/96	2.4	mike f	added JPEG Transfer Syntaxes to C-Store; 12OD & 8Video Conformance
1/28/97	2.4.k	joe d	Minor revisions changed name to KODAK DIGITAL SCIENCE Film Digitizer
12/16/96	2.5	mike f	Added SCP
12/19/96	2.6	mike f	added N-Event-Report to AE Specifications, minor corrections
4/7/97	2.7	mike f	Corrected 3.2.9 section.
5/12/97	2.8	mike f	corrected image attributes
5/23/97	2.8.1	mike f	corrected JPEG image attributes
7/17/97	2.8.2	mike f	updated DICOM concurrency
10/22/97	2.8.2k	joe d	Minor revisions

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1. INTRODUCTION

1.1 Purpose of this Document

This document is a provisional DICOM Conformance Statement for the software product *KODAK DIGITAL SCIENCE™ Film Digitizer*.

KODAK DIGITAL SCIENCE Film Digitizer is a service class user for DIMSE-C services for the storage of images.

1.2 Sources for this Document

- American College of Radiology-National Electrical Manufacturers Association (ACR-NEMA) Digital Imaging and Communications v2.0, 1988.
- ACR-NEMA Digital Imaging and Communications in Medicine (DICOM) v3.0, Final Draft, Aug. 1993.

1.3 Acronyms and Abbreviations

The following acronyms and abbreviations are used in this document.

- ACR — American College of Radiology
- DICOM — Digital Imaging and Communications in Medicine
- DIMSE — DICOM Message Service Element
- DIMSE-C — DICOM Message Service Element-Composite
- DIMSE-N — DICOM Message Service Element-Normalized
- NEMA — National Electrical Manufacturers Association
- 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

2. IMPLEMENTATION MODEL

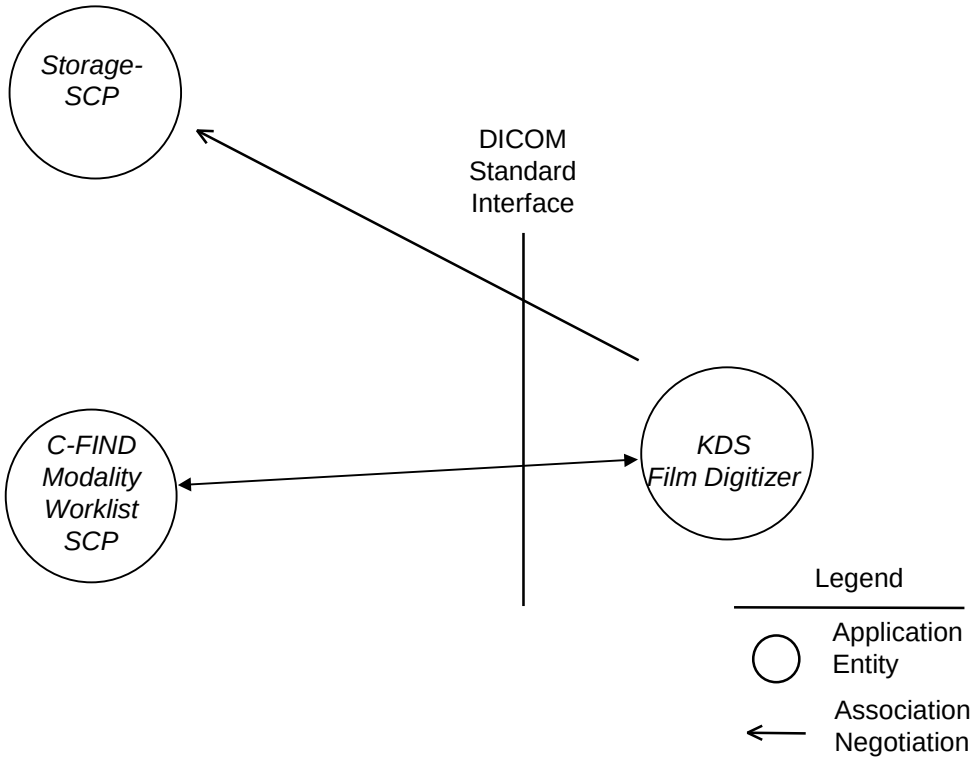
KODAK DIGITAL SCIENCE Film Digitizer is a PC Windows/NT scanning software package engineered to work with the full complement of Lumisys' LSDT and SCSI scanners. The product is designed to allow technicians a simple mechanism to scan film into DICOM images and send them to remote stations using the DICOM protocol.

Support for DICOM Lossy JPEG compression for sending has been implemented to provide an integrated tele-radiology package for inter and intra hospital communication over low bandwidth lines.

KODAK DIGITAL SCIENCE Film Digitizer is able to request demographic information to avoid unnecessary typing by technologists.

2.1 Application Data Flow Diagram

KODAK DIGITAL SCIENCE Film Digitizer behaves as a single Application Entity according to DICOM. *KODAK DIGITAL SCIENCE Film Digitizer* can initiate associations to send images for to DICOM Service Class Providers. *KODAK DIGITAL SCIENCE Film Digitizer* can also receive association requests to be able to store images to its local cache. *KODAK DIGITAL SCIENCE Film Digitizer* is able to initiate an association with a Worklist SCP for the purposes of retrieving demographic information as well as being able to receive event notification of studies to be completed.



2.2 Functional Definition of Application Entities

KODAK DIGITAL SCIENCE Film Digitizer acts as a Service Class User for the purposes of storage, and requesting demographic information

As a SCU, *KODAK DIGITAL SCIENCE Film Digitizer* utilizes the DICOM C-Store to store images to a remote archive. The DICOM C-Find modality worklist service class is used to retrieve demographic information.

3. AE SPECIFICATIONS

3.1 Services Used by *KODAK DIGITAL SCIENCE Film Digitizer* as SCU

3.1.1 Verification as SCU

KODAK DIGITAL SCIENCE Film Digitizer provides Standard Conformance to the following DICOM V3.0 **Verification** SOP Class as a SCU.

Table 1. Verification SOP Classes

SOP Class	SOP Class UID
Verification	1.2.840.10008.1.1

3.1.2 Storage as SCU

KODAK DIGITAL SCIENCE Film Digitizer provides Standard Conformance to the following DICOM V3.0 **Storage** SOP Class as a SCU.

Table 1. Storage SOP Classes

SOP Class	SOP Class UID
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7

3.1.3 Query/Retrieve as SCU

KODAK DIGITAL SCIENCE Film Digitizer provides Standard Conformance to the following DICOM V3.0 **Query/Retrieve** SOP Class as a SCU.

Table 2. Query/Retrieve SOP Classes

SOP Class	SOP Class UID
Patient Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.1.1
Study Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.2.1
Patient/Study Only Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.3.1

3.1.4 Detached Study Component Management as SCU

KODAK DIGITAL SCIENCE Film Digitizer provides Standard Conformance to the following DICOM V3.0 **Detached Study Component Management** SOP Class as a SCU.

Table 3. Worklist SOP Classes

SOP Class	SOP Class UID
Detached Study Component Management	1.2.840.10008.3.1.2.3.1

3.1.5 Worklist Management as SCU

KODAK DIGITAL SCIENCE Film Digitizer provides Standard Conformance to the following DICOM V3.0 **Worklist Management** SOP Class as a SCU.

Table 4. Worklist SOP Classes

SOP Class	SOP Class UID
Modality Worklist Info Model -FIND	1.2.840.10008.5.1.4.31

3.2 Association Establishment Policies

3.2.1 General

KODAK DIGITAL SCIENCE Film Digitizer contains a limitation of 100,000 bytes for maximum PDU size.

3.2.2 Number of Associations

KODAK DIGITAL SCIENCE Film Digitizer will issue only one-association requests at a time to a Remote AE. *KODAK DIGITAL SCIENCE Film Digitizer* can issue up to 4 single associations at one time. *KODAK DIGITAL SCIENCE Film Digitizer* can accept up to 4 single associations at one time.

3.2.3 Asynchronous Nature

KODAK DIGITAL SCIENCE Film Digitizer allows a single outstanding operation on any association. Therefore, *KODAK DIGITAL SCIENCE Film Digitizer* does not support asynchronous operations window negotiation, other than the default as specified by the DICOM specification.

3.2.4 Implementation Identifying Information

KODAK DIGITAL SCIENCE Film Digitizer will respond with the following implementation identifying parameters:

- Implementation Class UID **`1.2.124.113532.5000`**
- Implementation Version Name **`MITRAJUNE1997`**

The implementation version name policies are the following: company name "**`MITRA`**" followed by the month and year of the product "**`JUNE1997`**".

3.2.5 Called/Calling Titles

The calling title is defined during the installation by the operator.

3.2.6 Association Initiation by Real World Activity

KODAK DIGITAL SCIENCE Film Digitizer will issue a new association with a remote device when images are to be transmitted.

3.2.6.1 Real World Activity - Verification

3.2.6.1.1 Associated Real World Activity - Verification

KODAK DIGITAL SCIENCE Film Digitizer will issue a **Verification** request when a user of *KODAK DIGITAL SCIENCE Film Digitizer* wishes send a study of images to a remote DICOM SCP.

3.2.6.1.2 Proposed Presentation Contexts - Verification

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 5. For a **Verification** request, *KODAK DIGITAL SCIENCE Film Digitizer* will propose the Presentation Contexts listed in
Table 6.

Table 5. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2

Table 6. Verification SOP Classes

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Verification	1.2.840.10008.1.1	all from Table 5	SCU	None

3.2.6.1.3 SOP Specific Conformance - Verification

KODAK DIGITAL SCIENCE Film Digitizer provides standard conformance to the DICOM **Verification** Service Class.

3.2.6.2 Real World Activity - Query

3.2.6.2.1 Associated Real World Activity - Query

KODAK DIGITAL SCIENCE Film Digitizer will issue a **C-Find** request when a user of *KODAK DIGITAL SCIENCE Film Digitizer* wishes to query a remote DICOM SCP to confirm that the images have been properly sent.

3.2.6.2.2 Proposed Presentation Contexts - Query

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 7. For a **C-Find** request, *KODAK DIGITAL SCIENCE Film Digitizer* will propose the Presentation Contexts listed in Table 8.

Table 7. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2

Table 8. Query SOP Classes

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Patient Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.1.1	all from Table 7	SCU	None
Study Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.2.1	all from Table 7	SCU	None
Patient/Study Only Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.3.1	all from Table 7	SCU	None

3.2.6.3 Real World Activity - Storage

3.2.6.3.1 Associated Real World Activity - Storage

KODAK DIGITAL SCIENCE Film Digitizer will issue a **Storage** request when a user of *KODAK DIGITAL SCIENCE Film Digitizer* wishes to send a study of images to a remote DICOM SCP.

3.2.6.3.2 Proposed Presentation Contexts - Storage

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 9. For a **Storage** request, *KODAK DIGITAL SCIENCE Film Digitizer* will propose the Presentation Contexts listed in Table 10.

Table 9. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2
DICOM Baseline Default Transfer Syntax for Lossy JPEG 8 Bit Image Compression	1.2.840.10008.1.2.4.50
DICOM Extended Default Transfer Syntax for Lossy JPEG 12 Bit Image Compression	1.2.840.10008.1.2.4.51

Table 10. Storage SOP Classes

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	all from Table 9	SCU	None

3.2.6.3.3 SOP Specific Conformance - Storage

3.2.6.3.3.1 Storage of Optical Density Image Data - Monochrome 1

KODAK DIGITAL SCIENCE Film Digitizer will scan the film to create images of any modality as specified within the DICOM specification. The following values will be encoded for a non-compressed image:

Grp Elmt	Description	VR	Value
0008, 0008	image_type	CS	"DERIVED\SECONDARY"
0008, 0016	sop_class_uid	UI	1.2.840.10008.5.1.4.1.1.7
0008, 0018	sop_instance_uid	UI	
0008, 0020	study_date	DA	
0008, 0023	image_date	DA	
0008, 0030	study_time	TM	
0008, 0033	image_time	TM	
0008, 0050	accession_number	SH	
0008, 0060	modality	CS	
0008, 0064	conversion_type	CS	DF
0008, 0070	Manufacturer	LO	LUMISYS
0008, 0080	institution_name	LO	
0008, 0081	institution_address	ST	

0008, 0090	referring_physician_name	PN	
0008, 1010	station_name	SH	
0008, 1030	study_description	LO	
0008, 103e	series_description	LO	
0008, 1040	institutional_department_name	LO	
0010, 0010	patient_name	PN	
0010, 0020	patient_id	LO	
0010, 0030	patient_birth_date	DA	
0010, 0040	patient_sex	CS	
0010, 1000	other_patient_ids	LO	
0010, 1010	patient_age	AS	
0010, 21B0	additional_patient_history	LT	
0018, 1010	secondary_capture_device_id	LO	
0018, 1012	date_of_secondary_capture	DA	
0018, 1014	time_of_secondary_capture	TM	
0018, 1016	secondary_capture_device_manufacturer	LO	LUMISYS
0018, 1018	secondary_capture_device_manufacturer_model_name	LO	"Scanner Model Number" eg: LS75
0018, 1019	secondary_capture_device_software_versions	LO	"Software Version Number" eg: Version: 4.2
0018, 1200	date_of_last_calibration	DA	
0018, 1201	time_of_last_calibration	TM	
0020, 000d	study_instance_uid	UI	
0020, 000e	series_instance_uid	UI	
0020, 0010	study_id	SH	
0020, 0011	series_number	IS	1
0020, 0013	image_number	IS	
0020,0020	patient_orientation	CS	
0028, 0002	samples_per_pixel	US	1
0028, 0004	photometric_interpretation	CS	MONOCHROME1
0028, 0010	rows	US	
0028, 0011	columns	US	
0028, 0100	bits_allocated	US	16
0028, 0101	bits_stored	US	12
0028, 0102	high_bit	US	11
0028, 0103	pixel_representation	US	0
0028, 1050	window_center	DS	
0028, 1051	window_width	DS	
0028, 1052	rescale_intercept	DS	0.0
0028, 1053	rescale_slope	DS	1.0
0028, 1054	rescale_type	LO	OD

0028, 2110	lossy_image_compression	CS	00
0032, 4000	study_comments	LT	

The "OD" stipulation for rescale type means that the pixel data is optical density x 1000. (i.e. the range for the *KODAK DIGITAL SCIENCE Film Digitizer* images will be 0 [clear] to 4095 [black].)

3.2.6.3.3.2 Storage of Video Image Data - Monochrome 2

3.2.6.3.3.3 Simplification to 12-bit Monochrome 2 data

Twelve bit Optical Density (OD) data can be simplified to 12-bit Video data during a C-Store. The newly created 12-bit Video images are then transmitted to the remote Application Entity.

Simplification takes a 12-bit input image and changes it to 12-bit Video. The original 12-bit image can be either Video or OD. The rescale slope/intercept and the window center/width of the 12-bit input data are applied to produce the 12-bit Video values. The Window Width/Center values of 4095/2048 are defined to show the full range of 12-bit data. These values are then transformed from Optical Density data to Video data by converting the data from logarithmic to gamma-corrected luminance data.

Below is a list of the affected elements for 12-bit Video data.

Grp Elmt	Description	VR	Value
0008, 0018	sop_instance_uid	UI	newly generated unique identifier
0028, 0002	samples_per_pixel	US	1
0028, 0004	photometric_interpretation	CS	MONOCHROME2
0028, 0100	bits_allocated	US	16
0028, 0101	bits_stored	US	12
0028, 0102	high_bit	US	11
0028, 0103	pixel_representation	US	0
0028, 1050	window_center	DS	2048
0028, 1051	window_width	DS	4095
0028, 1052	rescale_intercept	DS	0.0
0028, 1053	rescale_slope	DS	1.0
0028, 1054	rescale_type	LO	US

3.2.6.3.3.4 Simplification to 8-bit Monochrome 2 data

Twelve bit Optical Density (OD) data can be simplified to 8-bit Video data during a C-Store. The newly created 8-bit Video images are then transmitted to the remote Application Entity.

Simplification takes a 12-bit input image and changes it to 8-bit Video. The original 12-bit image can be either Video or OD. The rescale slope/intercept and the window center/width of the 12-bit input data are applied to produce the 8-bit Video values. The Window Width/Center values of 255/127 are defined to show the full range of 8-bit data. These values are then transformed from Optical Density data to Video data by converting the data from logarithmic to gamma-corrected luminance data.

Below is a list of the affected elements for 8bit Video data.

Grp Elmt	Description	VR	Value

Grp Elmt	Description	VR	Value
0008, 0018	sop_instance_uid	UI	newly generated unique identifier
0028, 0002	samples_per_pixel	US	1
0028, 0004	photometric_interpretation	CS	MONOCHROME2
0028, 0006	planar_configuration	US	1
0028, 0100	bits_allocated	US	8
0028, 0101	bits_stored	US	8
0028, 0102	high_bit	US	7
0028, 0103	pixel_representation	US	0
0028, 1050	window_center	DS	127
0028, 1051	window_width	DS	255
0028, 1052	rescale_intercept	DS	0.0
0028, 1053	rescale_slope	DS	1.0
0028, 1054	rescale_type	LO	US

3.2.6.3.3.5 Storage of JPEG Compressed Image Data

Images (both 12-bit and 8-bit) are compressed during a C-Store to a remote Application Entity. The following elements are added/changed when the image has undergone DICOM-compliant JPEG compression. All elements not listed take on the same values whether compressed or not compressed. For JPEG Compressed Images:

Grp Elmt	Description	VR	Value
0008, 0008	image_type	CS	"DERIVED\SECONDARY"
0008, 0018	sop_instance_uid	UI	newly generated unique identifier
0008, 2111	derivation_description	ST	"{Compression Algorithm}, Q={q factor value}, Ratio={approximated compression ratios}" Eg: "LOSSY JPEG, Q=80, Ratio=8:1"
0028, 2110	lossy_image_compression	CS	01

KODAK DIGITAL SCIENCE Film Digitizer supports selectable DICOM JPEG Lossy compression based on capabilities of the remote DICOM SCP. The compression ratio is selectable by image quality factor (Q factor) with ranges between 0 and 100. This equates to a range of 3:1 to 210:1.

3.2.6.4 Real World Activity - Detached Study Component Management

3.2.6.4.1 Associated Real World Activity - Detached Study Component Management

KODAK DIGITAL SCIENCE Film Digitizer will receive DIMSE N-EVENT-REPORT. The following message is supported:

- Study Scheduled - to signal that the study has been scheduled to occur

3.2.6.4.2 Presentation Context Table - Detached Study Component Management

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 11.

Table 11. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2

Table 12. Presentation Contexts

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Detached Study Management	1.2.840.10008.3.1.2.3.1	all from Table 11	SCU	None

3.2.6.4.3 SOP Specific Conformance - Detached Study Component Management

KODAK DIGITAL SCIENCE Film Digitizer provides standard conformance to the DICOM **Detached Study Component Management** Service Class.
KODAK DIGITAL SCIENCE Film Digitizer supports the following elements for this SOP class:

Table 13. Detached Study Management Object N-Event-Report Attributes

Event Type Name	Attribute Name	Tag
Study Scheduled	Specific Character Set	(0008,0005)
	Referenced Patient Sequence	(0008,1120)
	>Referenced SOP Class UID	(0008,1150)
	>Referenced SOP Instance UID	(0008,1155)
	Referenced Visit Sequence	(0008,1125)
	>Referenced SOP Class UID	(0008,1150)
	>Referenced SOP Instance UID	(0008,1155)
	Scheduled Study Start Date	(0032,1000)
	Scheduled Study Start Time	(0032,1001)
	Scheduled Study Location	(0032,1020)
	Requested Procedure Description	(0032,1060)
	Requested Procedure Code Sequence	(0032,1064)
	>Code Value	(0008,0100)
	>Coding Scheme Designator	(0008,0102)
	>Code Meaning	(0008,0104)

KODAK DIGITAL SCIENCE Film Digitizer returns one of the following status codes.

Table 14. Detached Study Management status codes.

Service Status	Further Meaning	Protocol Codes	Related Fields	Description
Success	Success	0000		Operation performed properly.

3.2.6.4.4 Presentation Context Acceptance Criterion - Detached Study Management

KODAK DIGITAL SCIENCE Film Digitizer will always accept a Presentation Context for the Detached Study Management SOP Class.

3.2.6.4.5 Transfer Syntax Selection Policies - Detached Study Management

KODAK DIGITAL SCIENCE Film Digitizer supports only the Little Endian Implicit Transfer Syntax.

3.2.6.5 Real World Activity - Modality Worklist Management

3.2.6.5.1 Associated Real World Activity - Modality Worklist Management

KODAK DIGITAL SCIENCE Film Digitizer will receive unsolicited Study-Scheduled N-Event-Reports. *KODAK DIGITAL SCIENCE Film Digitizer* will then request DIMSE-C FINDs.

3.2.6.5.2 Presentation Context Table - Modality Worklist Management

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 15.

Table 15. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2

Table 16. Presentation Contexts

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Modality Worklist Info Model -FIND	1.2.840.10008.5.1.4.31	all from Table 15	SCU	None

3.2.6.5.3 SOP Specific Conformance - Modality Worklist Management

KODAK DIGITAL SCIENCE Film Digitizer provides standard conformance to the DICOM Basic **Worklist Management** Service Class.
KODAK DIGITAL SCIENCE Film Digitizer supports all required matching key types:

Matching Key Types	
SV	single valued match
WC	wild card match
SQ	sequence match
DR	date range match

KODAK DIGITAL SCIENCE Film Digitizer uses the following elements for this SOP class:

Table 17. Modality Worklist Information Model Attributes

Module	Attribute Name	Tag	Match	Return
SOP Common	Specific Character Set	(0008,0005)		1C
Scheduled Procedure Step	Scheduled Procedure Step Sequence	(0040,0100)	SQ	1
	>Scheduled Station AE Title	(0040,0001)	SV	1
	>Scheduled Procedure Step Start Date	(0040,0002)	DR	1
	>Scheduled Procedure Step Start Time	(0040,0003)	DR	1
	>Modality	(0008,0060)	SV	1
Requested Procedure	Requested Procedure ID	(0040,1001)		1
	Requested Procedure Description	(0032,1060)		1C
	Study Instance UID	(0020,000D)	SV	1
	Referenced Study Sequence	(0008,1110)		2
	>Referenced SOP Class UID	(0008,1150)		1C
	>Referenced SOP Instance UID	(0008,1155)		1C
Imaging Service Request	Accession Number	(0008,0050)	SV	2
	Referring Physician's Name	(0008,0090)		2
	Reason for Imaging Service Request	(0040,2001)		3
Patient Identification	Patient Name	(0010,0010)	WC	1
	Patient ID	(0010,0020)	SV	1
Patient Demographic	Patient Birth Date	(0010,0030)		2
	Patient Sex	(0010,0040)		2

3.2.7.1 Real World Activity - Query

3.2.7.1.1 Associated Real World Activity - Query

KODAK DIGITAL SCIENCE Film Digitizer will issue a **C-Find** request when a user of *KODAK DIGITAL SCIENCE Film Digitizer* wishes to query a remote DICOM SCP to confirm that the images have been properly sent.

3.2.7.1.2 Proposed Presentation Contexts - Query

KODAK DIGITAL SCIENCE Film Digitizer supports the transfer syntaxes listed in Table 7. For a **C-Find** request, *KODAK DIGITAL SCIENCE Film Digitizer* will propose the Presentation Contexts listed in Table 8.

Table 18. Transfer Syntaxes

Transfer Syntax	UID
DICOM Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2

Table 19. Query SOP Classes

Abstract Syntax		Transfer Syntax	Role	Extended Negotiation
SOP Class	SOP Class UID			
Patient Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.1.1	all from Table 7	SCP	None
Study Root Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.2.1	all from Table 7	SCP	None
Patient/Study Only Query/Retrieve - Find	1.2.840.10008.5.1.4.1.2.3.1	all from Table 7	SCP	None

4. COMMUNICATIONS PROFILES

KODAK DIGITAL SCIENCE Film Digitizer provides DICOM V3.0 TCP/IP Network Communication Support as defined in Part 8 of the DICOM Standard.

4.1 TCP/IP Stack

KODAK DIGITAL SCIENCE Film Digitizer inherits its TCP/IP stack from the computer system upon which it executes.

4.1.1 Physical Media Support

KODAK DIGITAL SCIENCE Film Digitizer is indifferent to the physical medium over which TCP/IP executes; it inherits the medium from the computer system upon which it executes.

5. EXTENSIONS/SPECIALIZATIONS/PRIVATIZATIONS

KODAK DIGITAL SCIENCE Film Digitizer uses the DICOM study_comments field (0032, 4000) to encode anecdotal study information by technologists/physicians.

6. CONFIGURATION

KODAK DIGITAL SCIENCE Film Digitizer obtains configuration information from the following sources:

- Mapping from Application Entity Title to Presentation Address is provided by the database.
- Configuration table stores Application Entity Title, default PDU size, and preferred byte orders for the SOP classes that *KODAK DIGITAL SCIENCE Film Digitizer* supports.

7. SUPPORT FOR EXTENDED CHARACTER SETS

KODAK DIGITAL SCIENCE Film Digitizer is known to support the following character sets:

• ISO-IR 6 (default)	Basic G0 Set
• ISO-IR 100	Latin Alphabet No. 1

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