



Picture Archiving and Communication System

DICOM Conformance Statement

G4PACS Archive & VNA, Version 4.0

Document ID	G4-DCS-040
Revision	A
Date	17 September 2026
Product	G4PACS Archive & VNA, Version 4.0
Application Entity	G4PACS Archive (SCP and SCU roles)
DICOM standard	NEMA PS3 / ISO 12052, current edition
Classification	Public
Owner	G4 Medical Systems, Inc., Product Engineering

Revision history

Rev.	Date	Description	Author
A	17 September 2026	First issue for G4PACS Archive & VNA 4.0.	Product Engineering

Contents

1. Introduction

1.1 Purpose

1.2 Scope

1.3 Audience

1.4 Conventions

1.5 References

1.6 Abbreviations

2. Implementation model

2.1 Application data flow

2.2 Functional definition

2.3 Sequencing of real-world activities

3. Application Entity specification

3.1 Services supported as SCP

3.2 Services supported as SCU

4. Transfer syntaxes

4.1 Supported transfer syntaxes

4.2 Negotiation behaviour

4.3 Extended negotiation

5. Association policies

5.1 General

5.2 Security

5.3 Character sets

6. Configuration

7. Support of character sets, extensions and private attributes

8. Notes

3

3

3

3

3

3

4

4

4

4

4

8

8

9

9

10

10

10

10

10

10

10

1. Introduction

1.1 Purpose

This DICOM Conformance Statement describes the DICOM capabilities of the G4PACS Archive & VNA, version 4.0 (hereafter "the archive"). It specifies the Service Classes, SOP Classes, transfer syntaxes and association behaviour that the archive supports as a Service Class Provider (SCP) and as a Service Class User (SCU). It is intended to be read together with the DICOM standard and with the conformance statements of the modalities, workstations and information systems that will communicate with the archive.

1.2 Scope

The statement covers the DICOM network services of the archive: Verification, Storage, Query/Retrieve (Patient Root and Study Root, C-FIND and C-MOVE) and Modality Worklist query. DICOMweb services (QIDO-RS, WADO-RS, STOW-RS), HL7 and FHIR interfaces are described in the separate *HL7 v2 and FHIR Interface Specification*. Media interchange (DICOM CD/DVD) is out of scope.

1.3 Audience

Hospital IT and PACS administrators, integration engineers, and the technical staff of modality and information-system vendors who need to establish DICOM communication with the archive.

1.4 Conventions

SOP Class and transfer syntax names follow the naming of the DICOM standard, PS3.6 (Data Dictionary). UIDs are given in full. SOP Classes marked *retired* are no longer defined by the current standard but remain supported for storage of legacy objects. SOP Classes marked *draft* correspond to supplements that were never finalised; they are accepted for completeness.

1.5 References

Reference	Title
PS3.2	DICOM Part 2: Conformance
PS3.4	DICOM Part 4: Service Class Specifications
PS3.5	DICOM Part 5: Data Structures and Encoding
PS3.6	DICOM Part 6: Data Dictionary
PS3.7	DICOM Part 7: Message Exchange
PS3.8	DICOM Part 8: Network Communication Support for Message Exchange
G4-IFS-040	G4PACS HL7 v2 and FHIR Interface Specification
G4-ADM-040	G4PACS Administrator Guide

1.6 Abbreviations

Term	Meaning
AE	Application Entity
SCP	Service Class Provider
SCU	Service Class User
SOP	Service-Object Pair
UID	Unique Identifier
VR	Value Representation
Q/R	Query/Retrieve
MWL	Modality Worklist
PDU	Protocol Data Unit

2. Implementation model

2.1 Application data flow

The archive exposes a single DICOM Application Entity. As an SCP it accepts associations from modalities, workstations and other archives for verification, storage, query, retrieve and worklist services. As an SCU it initiates associations to send studies to remote Application Entities (routing, teleradiology, pre-fetching of priors), to query remote archives and to request retrieves.

Real-world activity	Archive role	DICOM service
Modality or workstation verifies connectivity	SCP	Verification (C-ECHO)
Modality sends acquired images and documents	SCP	Storage (C-STORE)
Workstation or RIS searches for patients, studies, series, images	SCP	Query (C-FIND), Patient Root and Study Root
Modality requests the scheduled procedure list	SCP	Modality Worklist (C-FIND)
Workstation or remote archive requests studies	SCP	Retrieve (C-MOVE)
Archive routes studies to remote readers, AI services or other archives	SCU	Storage (C-STORE)
Archive queries a remote archive for priors	SCU	Query (C-FIND)
Archive requests priors from a remote archive	SCU	Retrieve (C-MOVE)
Archive verifies a remote node	SCU	Verification (C-ECHO)

2.2 Functional definition

Incoming associations are accepted for any of the SOP Classes listed in section 3.1 and any of the transfer syntaxes listed in section 4. Objects received by C-STORE are validated, indexed and stored on the short-term tier, and replicated to the long-term tier according to the retention policy configured by the administrator. Queries are answered from the archive index. C-MOVE requests are fulfilled by opening a new association as SCU to the destination Application Entity named in the request, which must be registered in the archive configuration.

2.3 Sequencing of real-world activities

No specific sequencing is required. A modality typically verifies the archive with C-ECHO, retrieves the worklist with C-FIND and stores the acquired objects with C-STORE. Workstations query with C-FIND and retrieve with C-MOVE at any time.

3. Application Entity specification

3.1 Services supported as SCP

3.1.1 Verification (C-ECHO)

The archive accepts Verification requests from any Application Entity that is allowed to open an association.

SOP Class name	SOP Class UID
Verification SOP Class	1.2.840.10008.1.1

3.1.2 Storage (C-STORE)

The archive accepts C-STORE requests for the 99 SOP Classes in table 3.1, the 14 retired SOP Classes in table 3.2 and the 6 draft SOP Classes in table 3.3. Received objects are stored without modification of the data set. A success status is returned once the object has been committed to storage.

Table 3.1 - Storage SOP Classes accepted as SCP

#	SOP Class name	SOP Class UID
1	Ambulatory ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.3
2	Arterial Pulse Waveform Storage	1.2.840.10008.5.1.4.1.1.9.5.1
3	Autorefraction Measurements Storage	1.2.840.10008.5.1.4.1.1.78.2
4	Basic Structured Display Storage	1.2.840.10008.5.1.4.1.1.131
5	Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11
6	Basic Voice Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.1
7	Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4
8	Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3
9	Cardiac Electrophysiology Waveform Storage	1.2.840.10008.5.1.4.1.1.9.3.1
10	Chest CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.65
11	Colon CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.69
12	Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2
13	Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33
14	Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1
15	CT Image Storage	1.2.840.10008.5.1.4.1.1.2
16	Deformable Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.3
17	Digital Intra-Oral X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.3
18	Digital Intra-Oral X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.3.1
19	Digital Mammography X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.2
20	Digital Mammography X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.2.1
21	Digital X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.1
22	Digital X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.1.1
23	Encapsulated CDA Storage	1.2.840.10008.5.1.4.1.1.104.2
24	Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1
25	Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1
26	Enhanced MR Color Image Storage	1.2.840.10008.5.1.4.1.1.4.3
27	Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1
28	Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.130
29	Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22
30	Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2
31	Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1
32	Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1
33	General Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.2
34	General ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.2
35	Generic Implant Template Storage	1.2.840.10008.5.1.4.43.1
36	Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1
37	Hemodynamic Waveform Storage	1.2.840.10008.5.1.4.1.1.9.2.1
38	Implant Assembly Template Storage	1.2.840.10008.5.1.4.44.1
39	Implantation Plan SR Document Storage	1.2.840.10008.5.1.4.1.1.88.70
40	Implant Template Group Storage	1.2.840.10008.5.1.4.45.1
41	Intraocular Lens Calculations Storage	1.2.840.10008.5.1.4.1.1.78.8
42	Keratometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.3

#	SOP Class name	SOP Class UID
43	Key Object Selection Document Storage	1.2.840.10008.5.1.4.1.1.88.59
44	Lensometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.1
45	Macular Grid Thickness And Volume Report Storage	1.2.840.10008.5.1.4.1.1.79.1
46	Mammography CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.50
47	MR Image Storage	1.2.840.10008.5.1.4.1.1.4
48	MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2
49	Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2
50	Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3
51	Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1
52	Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4
53	Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20
54	Ophthalmic Axial Measurements Storage	1.2.840.10008.5.1.4.1.1.78.7
55	Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2
56	Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1
57	Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4
58	Ophthalmic Visual Field Static Perimetry Measurements Storage	1.2.840.10008.5.1.4.1.1.80.1
59	Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128
60	Procedure Log Storage	1.2.840.10008.5.1.4.1.1.88.40
61	Pseudo Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3
62	Raw Data Storage	1.2.840.10008.5.1.4.1.1.66
63	Real-World Value Mapping Storage	1.2.840.10008.5.1.4.1.1.67
64	Respiratory Waveform Storage	1.2.840.10008.5.1.4.1.1.9.6.1
65	RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4
66	RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6
67	RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2
68	RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1
69	RT Ion Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.9
70	RT Ion Plan Storage	1.2.840.10008.5.1.4.1.1.481.8
71	RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5
72	RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3
73	RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7
74	Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
75	Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4
76	Spatial Fiducials Storage	1.2.840.10008.5.1.4.1.1.66.2
77	Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1
78	Spectacle Prescription Report Storage	1.2.840.10008.5.1.4.1.1.78.6
79	Stereometric Relationship Storage	1.2.840.10008.5.1.4.1.1.77.1.5.3
80	Subjective Refraction Measurements Storage	1.2.840.10008.5.1.4.1.1.78.4
81	Surface Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.5
82	Twelve Lead ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.1
83	Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1
84	Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1

#	SOP Class name	SOP Class UID
85	Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1
86	Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1
87	Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1
88	Visual Acuity Measurements Storage	1.2.840.10008.5.1.4.1.1.78.5
89	VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1
90	VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2
91	VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4
92	VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3
93	VL Whole Slide Microscopy Image Storage	1.2.840.10008.5.1.4.1.1.77.1.6
94	XA/XRF Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.5
95	X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1
96	X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2
97	X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1
98	X-Ray Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.67
99	X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2

Table 3.2 - Retired Storage SOP Classes accepted as SCP

#	SOP Class name	SOP Class UID
1	Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30
2	Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29
3	Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.5
4	Standalone Curve Storage	1.2.840.10008.5.1.4.1.1.9
5	Standalone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10
6	Standalone Overlay Storage	1.2.840.10008.5.1.4.1.1.8
7	Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129
8	Standalone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11
9	Stored Print Storage	1.2.840.10008.5.1.1.27
10	Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6
11	Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3
12	VL Image Storage	1.2.840.10008.5.1.4.1.1.77.1
13	VL Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.77.2
14	X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3

Table 3.3 - Draft (never finalised) Storage SOP Classes accepted as SCP

#	SOP Class name	SOP Class UID
1	SR Audio Storage	1.2.840.10008.5.1.4.1.1.88.2
2	SR Comprehensive Storage	1.2.840.10008.5.1.4.1.1.88.4
3	SR Detail Storage	1.2.840.10008.5.1.4.1.1.88.3
4	SR Text Storage	1.2.840.10008.5.1.4.1.1.88.1
5	Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1
6	RT Beams Delivery Instruction Storage	1.2.840.10008.5.1.4.34.1

3.1.3 Query (C-FIND)

The archive answers C-FIND requests for the Patient Root and Study Root Query/Retrieve Information Models at the Patient, Study, Series and Image levels, and Modality Worklist queries for scheduled procedure steps

received from the RIS.

SOP Class name	SOP Class UID
Patient Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.1.1
Study Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1
Modality Worklist Information Model - FIND	1.2.840.10008.5.1.4.31

3.1.4 Retrieve (C-MOVE)

The archive fulfils C-MOVE requests for the Patient Root and Study Root Query/Retrieve Information Models. The move destination must be a registered Application Entity; the objects are sent on a new association in which the archive acts as Storage SCU (section 3.2.2).

SOP Class name	SOP Class UID
Patient Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.1.2
Study Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2

3.2 Services supported as SCU

3.2.1 Verification (C-ECHO)

The archive can verify any registered remote Application Entity.

SOP Class name	SOP Class UID
Verification SOP Class	1.2.840.10008.1.1

3.2.2 Storage (C-STORE)

All SOP Classes listed in tables 3.1, 3.2 and 3.3 are also supported as SCU. They are used when routing studies to remote readers, AI services or other archives, and when fulfilling C-MOVE requests.

3.2.3 Query (C-FIND)

The archive can query remote archives for priors and for the results of routed studies.

SOP Class name	SOP Class UID
Patient Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.1.1
Study Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1

3.2.4 Retrieve (C-MOVE)

The archive can request studies from remote archives, for example to pre-fetch priors when a patient is scheduled.

SOP Class name	SOP Class UID
Patient Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.1.2
Study Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2

4. Transfer syntaxes

4.1 Supported transfer syntaxes

The archive accepts and proposes presentation contexts for every SOP Class in section 3 with any of the 33 transfer syntaxes below. Compressed objects are stored as received; transcoding for viewing is performed by the workstation and web viewer components and does not alter the stored object.

#	Transfer syntax	UID
1	Implicit VR Little Endian	1.2.840.10008.1.2

#	Transfer syntax	UID
2	Explicit VR Little Endian	1.2.840.10008.1.2.1
3	Explicit VR Big Endian (retired)	1.2.840.10008.1.2.2
4	Deflated Explicit VR Little Endian	1.2.840.10008.1.2.1.99
5	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
6	JPEG Extended (Process 2 & 4)	1.2.840.10008.1.2.4.51
7	JPEG Extended (Process 3 & 5) (retired)	1.2.840.10008.1.2.4.52
8	JPEG Spectral Selection, Non-Hierarchical (Process 6 & 8) (retired)	1.2.840.10008.1.2.4.53
9	JPEG Spectral Selection, Non-Hierarchical (Process 7 & 9) (retired)	1.2.840.10008.1.2.4.54
10	JPEG Full Progression, Non-Hierarchical (Process 10 & 12) (retired)	1.2.840.10008.1.2.4.55
11	JPEG Full Progression, Non-Hierarchical (Process 11 & 13) (retired)	1.2.840.10008.1.2.4.56
12	JPEG Lossless, Non-Hierarchical (Process 14)	1.2.840.10008.1.2.4.57
13	JPEG Lossless, Non-Hierarchical (Process 15) (retired)	1.2.840.10008.1.2.4.58
14	JPEG Extended, Hierarchical (Process 16 & 18) (retired)	1.2.840.10008.1.2.4.59
15	JPEG Extended, Hierarchical (Process 17 & 19) (retired)	1.2.840.10008.1.2.4.60
16	JPEG Spectral Selection, Hierarchical (Process 20 & 22) (retired)	1.2.840.10008.1.2.4.61
17	JPEG Spectral Selection, Hierarchical (Process 21 & 23) (retired)	1.2.840.10008.1.2.4.62
18	JPEG Full Progression, Hierarchical (Process 24 & 26) (retired)	1.2.840.10008.1.2.4.63
19	JPEG Full Progression, Hierarchical (Process 25 & 27) (retired)	1.2.840.10008.1.2.4.64
20	JPEG Lossless, Hierarchical (Process 28) (retired)	1.2.840.10008.1.2.4.65
21	JPEG Lossless, Hierarchical (Process 29) (retired)	1.2.840.10008.1.2.4.66
22	JPEG Lossless, Non-Hierarchical, First-Order Prediction (Process 14, SV1)	1.2.840.10008.1.2.4.70
23	JPEG-LS Lossless	1.2.840.10008.1.2.4.80
24	JPEG-LS Lossy (Near-Lossless)	1.2.840.10008.1.2.4.81
25	JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90
26	JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91
27	JPEG 2000 Part 2 Multi-component Image Compression (Lossless Only)	1.2.840.10008.1.2.4.92
28	JPEG 2000 Part 2 Multi-component Image Compression	1.2.840.10008.1.2.4.93
29	JPIP Referenced	1.2.840.10008.1.2.4.94
30	JPIP Referenced Deflate	1.2.840.10008.1.2.4.95
31	MPEG2 Main Profile @ Main Level	1.2.840.10008.1.2.4.100
32	MPEG2 Main Profile @ High Level	1.2.840.10008.1.2.4.101
33	RLE Lossless	1.2.840.10008.1.2.5

4.2 Negotiation behaviour

When several transfer syntaxes are proposed for a presentation context, the archive prefers **Implicit VR Little Endian** (1.2.840.10008.1.2). The administrator may restrict the accepted transfer syntaxes per category (uncompressed, JPEG, JPEG-LS, JPEG 2000, MPEG, RLE) in the archive configuration; a disabled transfer syntax is rejected during association negotiation and never stored.

4.3 Extended negotiation

Extended negotiation is not supported. Presentation contexts are negotiated using the standard abstract syntax and transfer syntax mechanism only; relational queries and other extended options are neither proposed nor accepted.

5. Association policies

5.1 General

Parameter	Value
Maximum PDU size received	Configurable; default 16 384 bytes
Maximum PDU size sent	As negotiated with the peer
Number of simultaneous associations	Configurable; limited by licensed capacity
Asynchronous operations window	Not supported (1 outstanding operation per association)
Implementation Class UID	Assigned per installation; shown in the administrator console
Implementation Version Name	G4PACS_40

5.2 Security

Associations are accepted only from Application Entities whose AE Title and network address are registered by the administrator. DICOM TLS (Secure Transport Connection Profile) may be enabled per node. All DICOM activity is written to the audit trail.

5.3 Character sets

The archive stores and returns the Specific Character Set of received objects unchanged. Queries are matched using the character set declared in the request; ISO_IR 100 (Latin-1) and ISO_IR 192 (UTF-8) are supported for matching.

6. Configuration

The following DICOM parameters are set by the administrator in the archive configuration: the local AE Title and port; the list of remote Application Entities (AE Title, host, port, allowed roles); the accepted transfer syntax categories; PDU size and association limits; TLS settings; and the routing rules that trigger Storage SCU activity. Refer to the *G4PACS Administrator Guide* for details.

7. Support of character sets, extensions and private attributes

Private attributes present in received objects are stored and returned unchanged. The archive does not add private attributes to stored objects. Standard extended SOP Classes are not implemented.

8. Notes

The SOP Class and transfer syntax inventories in this statement are generated from the archive's association handling and DICOM client components, and are updated with every release. Where the installed version differs from the version on the cover page, the conformance statement for that version applies. Questions about this document may be sent to support@g4pacs.com quoting G4-DCS-040.