

# THE DICOM 2013 INTERNATIONAL CONFERENCE & SEMINAR

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## Management Summary

in the DICOM Conformance Statement

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# Management Summary in the DCS



**Introduction**

**DCS Overview – Chapter 1**

**Networking – Chapter 4**

**Management Summary**

**Dataflow Diagrams**

**Overview Table**

**Conclusions**

## DICOM Conformance Statements

- **No compact system overview for the end user**
- **Do not give a clear picture of the system's capabilities**
- **Information is scattered across several sections in different chapters**

## The DCS Overview has

- A brief description of the system
- A Table for Supported Network Services
- A Table for Media services

Table 1: Network Services

SOP Class		User of Service (SCU)	Provider of Service (SCP)
Name	UID		
<b>Other</b>			
Verification SOP Class	1.2.840.10008.1.1	Yes	Yes
<b>Print Management</b>			
Basic Grayscale Print Management Meta SOP Class	1.2.840.10008.5.1.1.9	Yes	No
>Basic Film Session SOP Class	1.2.840.10008.5.1.1.1	Yes	No
>Printer SOP Class	1.2.840.10008.5.1.1.16	Yes	No
>Basic Film Box SOP Class	1.2.840.10008.5.1.1.2	Yes	No
>Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4	Yes	No
<b>Query/Retrieve</b>			
Patient Root QR Information Model - FIND SOP Class	1.2.840.10008.5.1.4.1.2.1.1	Yes	Yes
Study Root QR Information Model - FIND SOP Class	1.2.840.10008.5.1.4.1.2.2.1	Yes	Yes
Patient Root QR Information Model - MOVE SOP Class	1.2.840.10008.5.1.4.1.2.1.2	Yes	Yes
Study Root QR Information Model - MOVE SOP Class	1.2.840.10008.5.1.4.1.2.2.2	Yes	Yes
<b>Transfer</b>			
Grayscale Softcopy Presentation State Storage SOP Class	1.2.840.10008.5.1.4.1.1.11.1	Yes	Yes
MR Image Storage SOP Class	1.2.840.10008.5.1.4.1.1.4	Yes	Yes

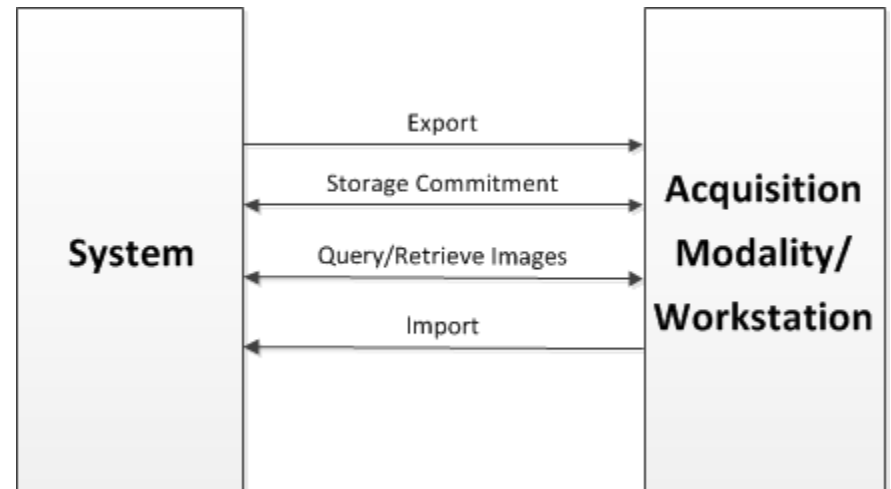
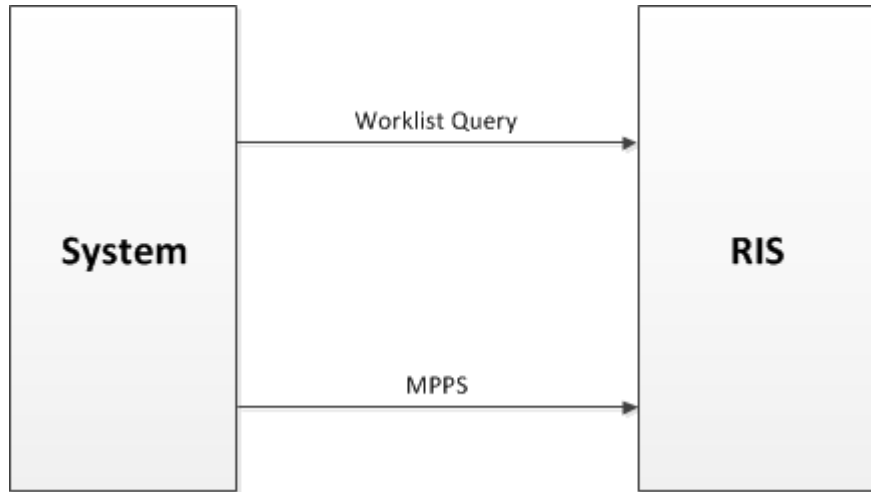
- **The chapter “Networking” gives a functional description of the AEs**
- **Real-world DICOM activities are defined, along with supported SOPs & Transfer Syntaxes as SCP/SCU**
- **DICOM knowledge is a pre-requisite to comprehend the DCS document**

## **The Management Summary will be a new sub-section in the Overview chapter.**

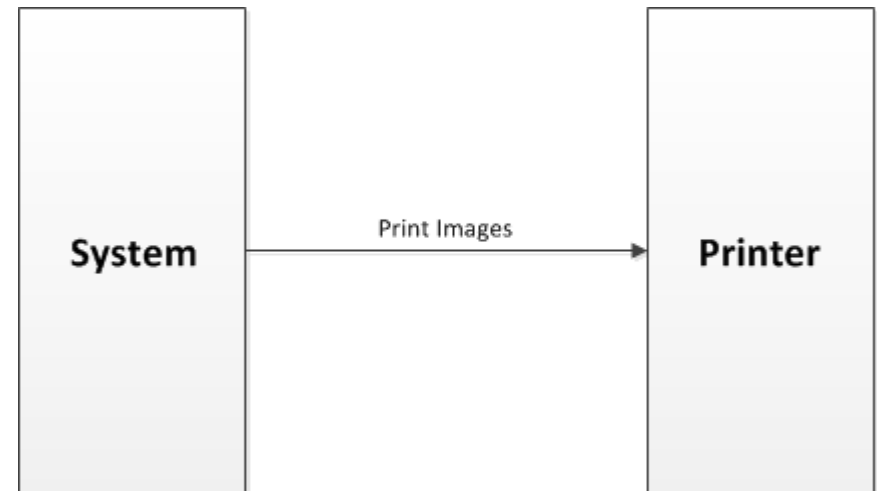
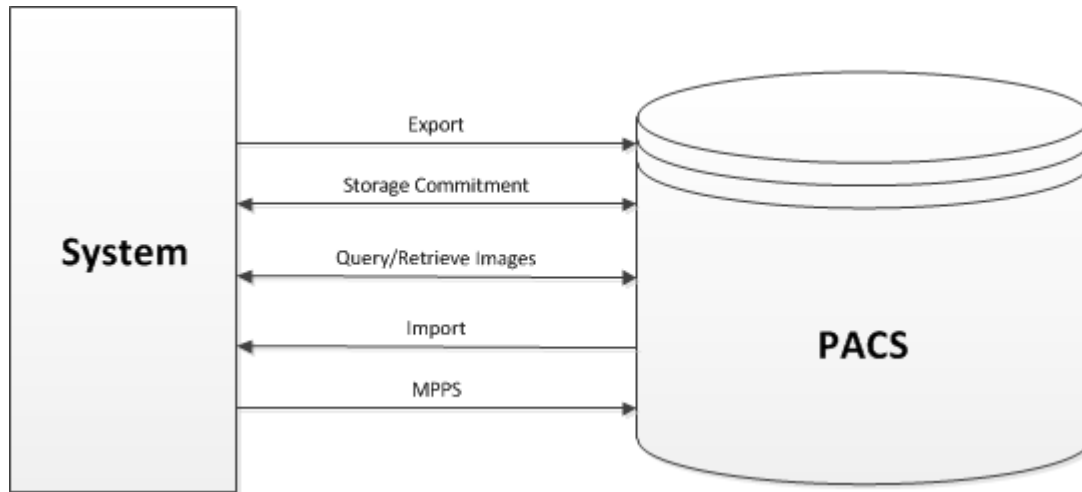
- **Dataflow Diagrams**
  - **Description of system's capabilities vis-à-vis DICOM services**
- **Overview Table**
  - **Configuration parameters for the services and Links to the corresponding sections**

**This summary is a high level overview of the DCS**

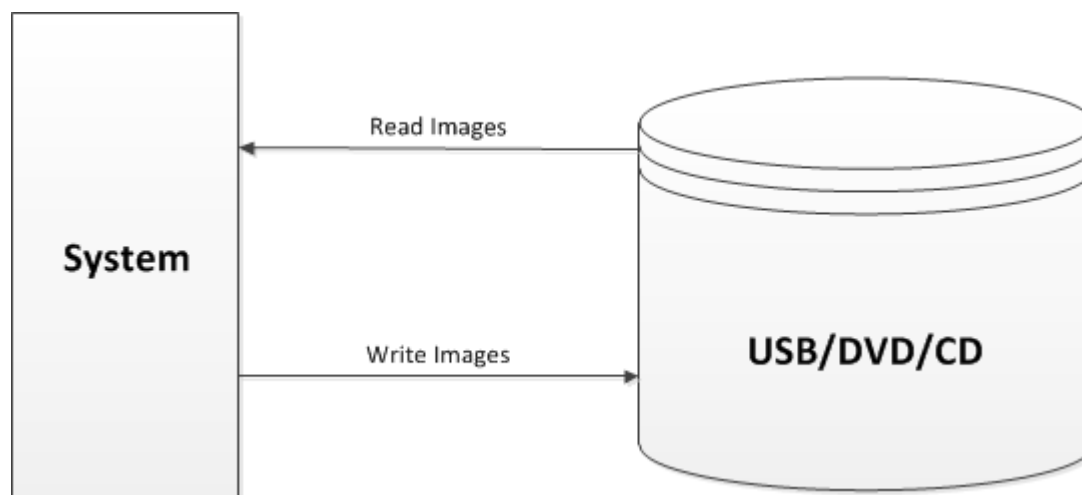
# Dataflow Diagrams



# Dataflow Diagrams (cont'd..)







**A block diagram depicting the System's media capabilities**

# Overview Table

DICOM Service	AE Title	Role (SCU/SCP)	Port	Reference
Image Export	PACS_AE	SCU/SCP	Configurable	<a href="#">Chapter 4.2.1.3.6</a>
MPPS	MPPS_AE	SCP	3011	<a href="#">Chapter 4.2.1.3.3</a>
Worklist Query	MWL_AE	SCP	3010	<a href="#">Chapter 4.2.1.3.2</a>
Storage Commitment	STRC_AE	SCP	105	<a href="#">Chapter 4.2.1.3.7</a>
Print	PRINT_AE	SCP	Configurable	<a href="#">Chapter 4.2.2.3.1</a>

**The above table briefs the user about the SCU/SCP capabilities of the system with respect to various DICOM services. The table also has the references to the corresponding chapters.**

## Management Summary

- **Simplifies the DICOM Conformance Statement**
- **High level perspective of the system, without delving too much into the technical specificities**
- **Ready reckoner for FSEs while addressing Field issues**
- **Helps the reader to get a clear picture of the system's capabilities in a hospital environment**

# References



<http://dicom.nema.org/>

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***Thank you for your attention !***