

DICOM (Digital Imaging and Communication in Medicine)

The Objective is to make the ultrasound scanner comply to DICOM Standard with new DICOM features and update the conformance statement accordingly.

Description

EmSyS developed the following as a part of the solution:

- MPPS Support to send Begin Study and End Study Information. Option is given to Discontinue Examination. Retry option was given if sending failed.
- MWL Support. Option to get work-list information from RIS
- Storage Support in Auto, Manual mode. Storage Commitment and Retry option
- Testing with tools like JDICOM, DVT
- Testing with IHE Test cases Using MESA Toolkit
- DICOM Media Support

Outline Specifications

Platform / Technology

- Windows XP / Vista
- PC with Intel Pentium 4 Processor, 512 MB RAM

Tools

- Visual Studio 2005
- JDICOM
- DVT
- MESA Toolkit
- Third Party DICOM Library

Block Diagram

DICOM Ultrasound System Connected to Various DICOM Services

