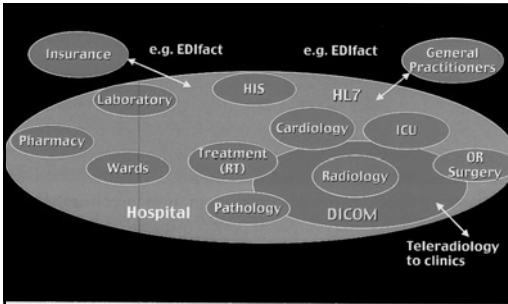
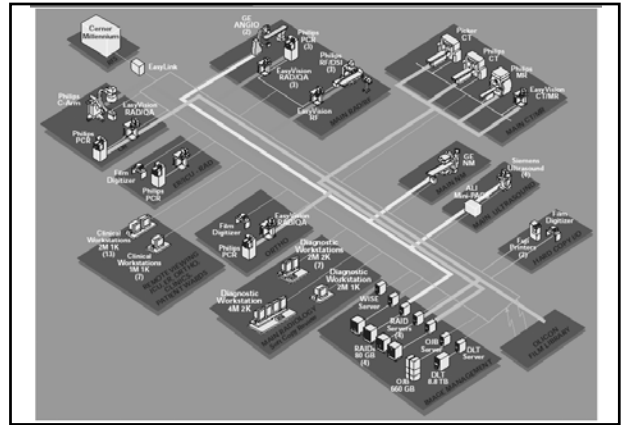




Picture Archiving and Communication System (PACS)

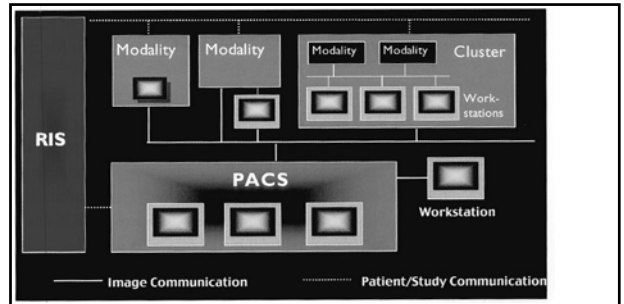


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Hospital Networks

HIS – Hospital Information System (HL7)
 RIS – Radiology Dept. Information System
 PACS – Picture Archiving and Communication system (DICOM)



Components of PACS – image acquisition devices (modalities –CT,CR); High resolution displays (Workstations); Large bandwidth network; Storage; Network management; Integration into Hospital Network

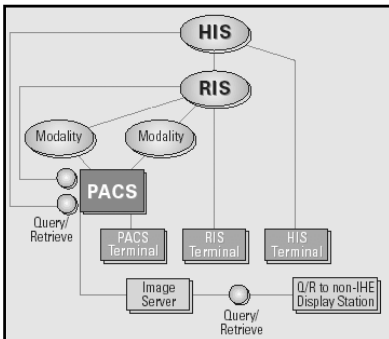
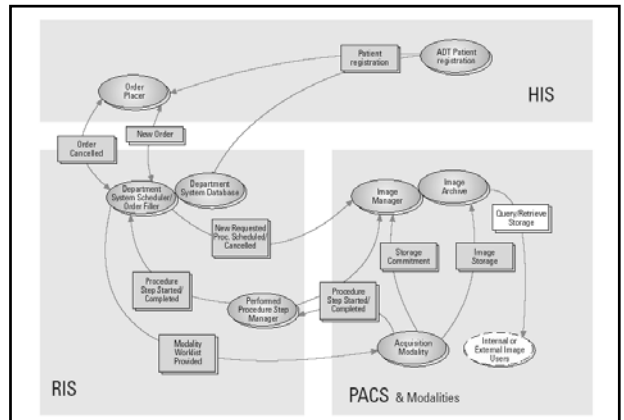


Image move (ATN): min 150 Mbits/sec;
 Fibre opt. 600 Mbits/sec

Storage capacity: average 1800 Gbytes for 1 million images (based on 600 beds hospital)

Simple PACS architecture

Next > complex PACS architecture >>



RIS

PACS & Modalities

HIS

