Interface Compatibility

Hospitals and other medical facilities typically use many different types of Endoscopy Information Management Solutions to track and record everything from patient records and schedules to billing information. In order for these various systems to communicate with each other, they must use a standard interface. EndoWorks 7 supports both of the industry's standard interfaces – HL7® and DICOM® – enabling you to share information seamlessly with other standards-conformant medical systems. Sharing information eliminates the need to enter the same data multiple times, saving you time while reducing the incidence of data entry errors.

What interface do I need?
It depends on your facility. No two interface projects are identical. That's why we work with you on an individual basis to provide the best possible solution. Our field staff are trained in managing complex interface deployments. They consult with you to identify your unique interface needs, then assist with project management – from initial specification through testing and go-live – in order to deliver a complete solution.

What is HL7?
HL7 is an American National Standards Institute (ANSI) standard for exchanging information between medical applications and is an abbreviation of "Health Level Seven." In general terms, HL7 is a protocol for data exchange. A protocol defines the format and the content of the messages that applications must use when exchanging data with each other. HL7 provides standards for interoperability that improve care delivery, optimize workflow, reduce ambiguity, and enhance knowledge transfer between EndoWorks and your facility's medical applications.

What is DICOM?
DICOM (Digital Imaging and Communications in Medicine) is a global information-technology standard that is widely adopted by hospitals worldwide.

It is designed to ensure the interoperability of systems used to produce, store, display, process, send, retrieve, query, or print medical images and derived structured documents, as well as to manage related workflow.

By purchasing only equipment and information systems that conform to the DICOM standard, you can ensure that these tools will work together to produce, manage, and distribute your images regardless of your previous, current, or future vendors.

Can DICOM and HL7 be utilized together?
Absolutely. In some instances, our customers choose to use both DICOM and HL7 to achieve their desired exchange of images and data among various medical applications. EndoWorks Interface Gateway is compliant with current versions of HL7 and DICOM.

A joint DICOM/HL7 working group has existed for many years to:
• Contribute to the development of the HL7 Reference Information Model
• Propose extensions to the DICOM and HL7 standards where appropriate
• Develop information linkages between DICOM and HL7 standards

What is supported by EndoWorks?

Below is a summary of what is supported. Please refer to the EndoWorks.com Web site to obtain the most up-to-date information.

Supported HL7 Transactions
• Inbound ADT (demographic)
• Inbound SIU (scheduling)
• Inbound ORM (order)
• Outbound ORU (results)

Interface Engines
• Cloverleaf®
• Openlink
• Datagate®
• eGate™
• Microsoft® Biztalk®

HIS Environments
• Eclipsys
• Siemens®
• MEDITECH
• IDX Last Word®
• Oasis
• Advantix
• Cerner™
• EPIC
• GE Centricity®
• Iatrics - MEDITECH
• MEDITECH (direct)
• Misys®
• Veterans Administration - Clinical Procedures
• Veterans Administration - VistA®
• McKesson – Star™
• McKesson – HBOC

EndoWorks Server

- DICOM
- HL7

Network

- ADT, SIU, ORM
- Results (ORU)

- Modality Worklist
- Secondary Capture

Practice Management System
Electronic Medical Record System
Hospital Information System

PACS