

# Health Level 7 (HL7)

## HL7 Engine Message Adaptor

### Overview

In order to handle information transfer between IMS applications and external information systems, (eg. Hospital Information Systems (HIS), PACS in Radiology) IMS uses a combination of file transfer and data encoding/ decoding. The process of encoding / decoding is called an interface engine.

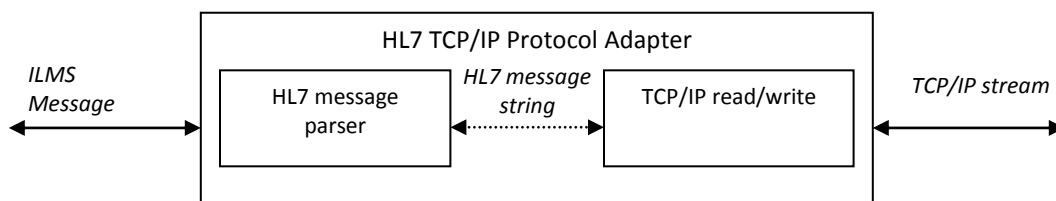
The IMS HL7 TCP/IP Protocol Adapter provides a bi-directional interface over TCP I/P between IMS applications and external system using messages encoded according to the Health Level Seven (HL7) Standard.

HL7 is an International Standard message format for electronic data exchange between health-care systems. Since 1987, a number of versions of the HL7 Standard have been published – 1.0 (October 1987), 2.0 (September 1988), 2.1 (June 1990), 2.2 (December 1994), 2.3 (April 1997), 2.4 (October 2000), 2.5 (June 2003) and 3.0 (developing).

### Key Features

- ✓ Permanently running program to monitor messages between IMS applications and the external system
- ✓ Handles messages sent to and from IMS applications and the external system
- ✓ May run on the application server or any PC with access to the IMS application database and the external system
- ✓ Automatic notification of failed message transfers
- ✓ May run as a background service

### Architecture



### Easy to Customize

Integrated Medical Systems believes it is important for its product to be *distinctly yours*. IMS software enables you to quickly and easily tailor the applications to your requirements.

### Quality and Security

IMS software features full user security to cover user logon password protection, profiles and authorization. Secure your investment by adopting an open system. IMS software was designed to meet a fundamental need for "*software that lasts*".

*For more information on IMS products please contact:*

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