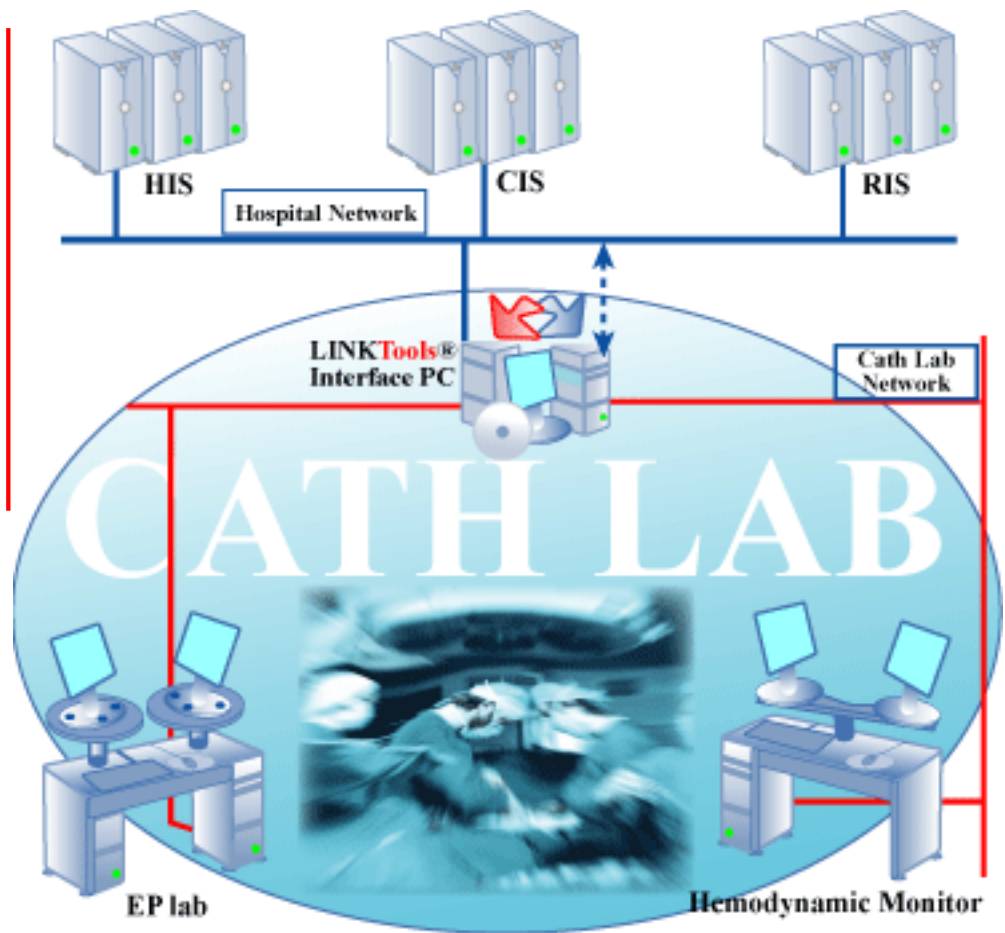


LINKTOOLS®

Cardiac Cath Lab Interface

A Bi-directional HL7 Interface for Siemens CATHCOR® and Various Hemodynamic Monitors

- ◆ Embodies a knowledge base of various hemodynamic data structures and HL7 results messaging
- ◆ Provides a unifying, standard format for hemodynamic monitor interfaces into a database or data repository
- ◆ Provides communication options to acquire hemodynamic output
- ◆ HL7 formatted result messages
- ◆ TCP/IP messaging with an HL7 compliant system
- ◆ Interface configurable via LINKTools® Dynamic Mapper
- ◆ Includes implementation and installation support from LINK Medical



A LINKTools® for Cardiac Cath interface captures the output from a hemodynamic monitors and creates an industrial standard format (HL7) that can be sent to HL7 compliant systems such as a Hospital Information System(HIS) or Cardiology Information System(CIS)

The LINKTools® Dynamic Mapper can be used to edit a standard interface profile or creates a new profile and allows the interface to be flexible and can accommodate the configurability associated with your hemodynamic database. □

LINKTools® for Cardiac Cath is based on LINKTools®, a highly flexible suite of integration tools geared towards integrating departmental systems with each other and with Hospital Information Systems and Interface Engines.

Powered by
LINKTools®
Core Technology

Overview:

The following series of steps describe the process by which a LINKTools® for Cardiac Cath interface transforms Input to Output:

◆ **Input:**

The hemodynamic monitor creates an export file*. the format, method of creation, and transfer of this file defers among vendors. The LINKTools® for Cardiac Cath knowledge base understands hemodynamic data structures and the specific format of each hemodynamic monitor/s export file.

◆ **Output:**

Just as LINKTools® for Cardiac Cath uses a knowledge base to understand hemodynamic data structures, it also uses an HL7 knowledge base to generate an industrial standard output. The HL7 knowledge base includes the creation of an HL7 result message(ORU) encoded with LOINC or user-defined hemodynamic data identifiers.

◆ **Processing:**

The LINKTools® Interface engine queries the Cath Lab network for input files and uses the knowledge base to parse the input and generate output. This configurable engine is part of a suite of LINKTools® integration modules that can be distributed across a Window® Network to take advantage of the processing power of an interface workstation while using the network as a convenient transport mechanism.

** Please note that your hemodynamic monitor may require interface enabling software from your vendor in order to create an export file. Contact your hemodynamic monitor vendor for information about your system and its current configuration.*

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Communication:

The LINKTools® TCP Transmitter runs in the background on the interface workstation and sends HL7 formatted result message to an HL7 compliant system or interface engine. The LINKTools® TCP Transmitter communicates via TCP/IP using HL7 minimal lower level protocol. Alternatively, a LINKTools® utility can be used to move result messages to a network shared directory.

Configuration:

The LINKTools® Dynamic Mapper is used to edit or configure a standard LINKTools® for Cardiac Cath interface. The LINKTools® Dynamic Mapper graphical user interface allows a user to quickly make adjustments to an interface template as change are made to the hemodynamic monitor's database structure. In fact, with some knowledge of HL7, a user can generate an entirely new interface template using the one step LINKTools® Dynamic Mapper point and click non-invasive interface creation environment.

LINKTools® Integration and Support Services:

LINK Medical also provides installation and support services to vendors and hospitals who wish to outsource their integration.

LINK Medical Computing, Inc is proud to work with leading companies such as Philips Medical, Siemens Medical, Del Mar Medical, Dictaphone, Medical Graphics Corporation, BARD, Quint on and GE Medical.

LINK Interface PC Requirements:

- ◆ Pentium class PC 600MHZ /256 MB RAM
- ◆ Windows® 98/NT/2000 or XP
- ◆ Minimum 500 MB hard-drive capacity
- ◆ CD/DVD-ROM and 3.5 inch diskette drive
- ◆ 56K baud modem or greater
- ◆ PCAnywhere 9.0 for remote support and installation

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**LINK Medical Computing, Inc.**

Your link to healthcare integration