LAUREL BRIDGE SOFTWARE

Everything DICONDE

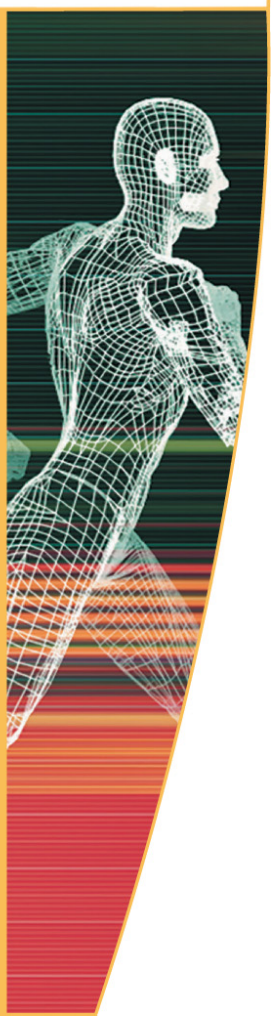
LAUREL BRIDGE

Everything DICONDE

Design
Develop
Integrate
Test
Deploy

Laurel Bridge Software

DCF
Compass
Mercury
Exodus
PowerTools
Switchboard



WWW.LAURELBRIDGE.COM

Reliable, robust, and easy-to-use DICONDE® software applications, tools, utilities, and services to assist the Non-Destructive Evaluation & Testing community in the design, development and support of DICONDE compliant imaging software, devices, or networks. Provided by a leading supplier of DICOM-based tools and utilities for the medical imaging industry.

Products

DCF™	DICONDE Software Developer's Toolkit for C# / Java / C++
COMPASS™	Store & Forward Router for DICONDE Store Jobs
MERCURY™	Custom DICONDE Data Archival Solution
EXODUS™	Conversion & Migration of DICONDE Archives
POWERTOOLS™	DICONDE Utilities for Administrators, Integrators and Developers
SWITCHBOARD™	DICONDE Message Routing with Dynamic Tag Morphing & Filtering

Services

Management & Strategic Consulting

- Project & Implementation Management & Planning
- Solution & Product Evaluation & Mapping
- DICONDE Migration Planning

Design & Development

- Application Design, Development, Implementation, Testing & Support
- Integration & Testing Services
- Requirements & Specification Definition
- Conversion of various image formats to/from DICONDE format
- Customization of utilities to import non-DICONDE data into an archive

DICONDE Software Testing

- Custom Tests & Reports
- Designed &Configured to Customer Requirements
- DICONDE Standard Conformance Testing & Validation

Why Adopt DICONDE?

- Eases sharing of your inspection data, both internally and externally
- Avoids proprietary data formats—protects your software investment
- Avoids vendor tie-in—allows choice of the best vendor solutions
- Allows easy search and retrieval of historical inspection data
- Archives all testing modality data in one common, standards-based repository

Representative Customers

AccelaRAD ■ AGFA ■ Codonics ■ Department of Veterans Affairs (VA) ■ DR Systems Dexela ■ Faxitron X-Ray ■ Franklin & Seidelmann ■ GE Healthcare ■ Hologic/LORAD Imaging Specialists ■ Intermountain Healthcare ■ Kowa Optimed ■ Medquest Mobile X-Ray Imaging ■ NightHawk Radiology ■ Siemens Medical ■ Sonultra STI Medical Systems ■ U.S. Air Force ■ Virtual Radiologic ■ Viztek ■ XCounter AB

MOVING FORWARD?
MOVE YOUR DATA WITH INTEGRITY
MOVE WITH LAUREL BRIDGE

Product Details

LAUREL BRIDGE

DCF™ - DICONDE CONNECTIVITY FRAMEWORK

DICONDE Software Developer's Toolkit for C# / Java / C++

- Advanced, object-oriented, component-based software framework implementation of the latest DICONDE protocol.
- Comprehensive, managed support for Windows and Linux.
- Robust, portable, high-performance, native implementations of DICONDE in C#, Java®, and C++ for 32&64-bit platforms.
- Simple yet powerful Application Programming Interfaces (APIs).
- Does not require detailed knowledge of DICONDE protocol.
- Provides a rich set of utilities for support of application development, testing and validation.

MERCURY™

Custom DICONDE Data Archival Solution

- Robust, fully functional core platform for building a custom DICONDE Store archive (image repository).
- Suitable for building a departmental archive, store and forward cache, or simply a temporary archive.
- Can be the basis for a custom archive solution for any persistent datasets you have or receive.
- Facilitates importation of DICONDE datasets from many sources.
- Supports DICONDE Query/Retrieve (Q/R) functionality.
- Provides fully configurable DICONDE features.
- Custom solutions available – requires DCF Toolkit purchase.

POWERTOOLS™

Utilities for Administrators, Integrators and Developers

- Collection of standalone DICONDE-related Windows® applications.
- A suite of DICONDE client and server applications.
- Facilitates diagnosis, testing, and repair of DICONDE network communication problems.
- Provides for the viewing, editing, repair, or creation of DICONDE data sets and their contents.
- Utilities may be used independently or scripted into a variety of situations.
- Suitable for use by IT administrators, integration engineers, system testers, software developers, field service technicians, and others who work with DICONDE data.

COMPASS™

Store & Forward Router for DICONDE Store Jobs

- Provides powerful scheduling, filtering and routing.
- Stores to multiple destinations, such as an archive and a viewing station, without repeatedly resending data.
- DICONDE tag-based store job router; uses powerful routing rules to specify desired destinations.
- Aggregates multiple associations into a single outbound store.
- Designed primarily for network and IT administrators responsible for integrating DICONDE devices.
- Interconnects otherwise incompatible DICONDE devices.

EXODUS™

Conversion & Migration of DICONDE Archives

- Provides automated facilities and services for migration of studies, series and SOP instance data from one DICONDE compatible physical archive to another.
- Supervises and schedules the migration.
- Provides for exception processing and error handling.
- Provides multi-level validation of migrated data.
- Records history, log and performance statistics.
- Site-specific mapping and/or alteration of DICONDE elements—filtering and tag-morphing.
- Validation of data moved is automated and reported.

SWITCHBOARD™

Message Routing with Dynamic Tag Morphing & Filtering

- Intermediate node between a DICONDE client and server.
- Allows the user to route, monitor, log, filter, and convert DICONDE datasets during DICONDE network communications.
- Designed primarily for network or IT & network administrators, developers, field service engineers, or anyone responsible for integrating DICONDE devices.
- Dynamic tag morphing and filtering facilitates interconnection of otherwise incompatible DICONDE devices.
- Allows the movement of incompatible datasets through rule based correction of dataset elements in real-time.
- Permits remote configuration, control and monitoring via a convenient web-based GUI.

About DICONDE: ASTM Subcommittee E07.11 on Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) is guiding development of standards designed to provide a universally compatible image data format that allows nondestructive evaluation (NDE) manufacturers and users to share image data. ASTM's standard E-2339 is based on the American College of Radiology (ACR)/National Electrical Manufacturers Association (NEMA) medical imaging standard: DICOM (Digital Imaging and Communications in Medicine). DICONDE harmonizes with the DICOM standard and encompasses all NDE specific imaging methods and technologies, such as infrared thermography, ultrasound, digital and computed radiography, computed tomography, eddy current, and acoustic emission; it provides standardized acquisition, storage, reporting and communication formats for the acquired data.

DICONDE has been developed to overcome the interoperability issues that arise when archiving or analyzing the data from a variety of NDE methodologies or techniques, each using their own proprietary data acquisition and storage systems. As digital NDE technologies evolve, it is desirable that data acquired in the past shall remain decipherable, searchable and trackable. DICONDE defines a context in which all the inspection technique parameters and data are preserved in a standard format regardless of changes in digital technology, enabling the exchange of digital information between NDE imaging equipment and users in a vendor-independent, standardized way, using open, nonproprietary formats. Laurel Bridge Software participates in the DICOM and DICONDE Standards Committees and has been providing software tools, applications, and services that support the DICOM and DICONDE standards since 1997.

Laurel Bridge, its logo, Compass, DCF, Exodus, Mercury, PowerTools, Switchboard, & "Everything DICONDE" are trademarks of Laurel Bridge Software, Inc. -- LBDC-000071-0104 - Copyright 2010, Laurel Bridge Software, Inc., All Rights Reserved.

LAUREL BRIDGE SOFTWARE, INC. ■ 160 EAST MAIN STREET ■ NEWARK, DE 19711 ■ WWW.LAURELBRIDGE.COM

MOVING FORWARD?
MOVE YOUR DATA WITH INTEGRITY
MOVE WITH LAUREL BRIDGE