Early Bird Registration & Hotel Cutoff: December 2, 2005

Online Registration Cutoff: December 11, 2005

On-site Registration Begins January 8, 2006 at 4:00 p.m.
The January Working Group Meeting (January 8-13, 2006 in Phoenix, Arizona) marks the beginning of HL7’s 20th year. It is apparent that HL7 must come to grips with the exponential growth in size and scope evidenced over the past few years. In the beginning our organization was of a size and nature that the members could literally gather in a single large room and advance the standard. For better or for worse those days are long gone. In an effort to maintain the integrity and intensity of those earlier days we’ve adopted numerous procedures and processes to ensure our continued operation as an “open, consensus-based standards development organization.” We’ve reached a point where that designation deserves further consideration.

At our last meeting in San Diego, I was presented with an analogy of HL7 as a transitional entrepreneurial organization. Many of us have seen or been involved in such organizations. They tend to move along well, meeting objectives and growing steadily, until that inevitable point where the entrepreneurs who formed the organization reach the bounds of their various skill sets. It is a time when specialized skills and a different level of expertise are necessary to maintain the objectives of the organization. HL7 has long relied on the breadth and depth of its members’ expertise and commitment to carry the organization, for the most part very successfully. However, we’ve reached a point where even our seemingly tireless volunteers are on the brink of collapse.

It is, in my opinion, time to realize that HL7 is in fact an “organization committed to the development of open, consensus-based standards.” This is a subtle yet important turn of phrase. HL7 epitomizes open, consensus-based standards development and the vast majority of our processes are targeted to that end; yet we’ve tended to blithely assume that the organizational components so necessary to our existence are a byproduct of that focus. I believe it is time for HL7 leadership, represented by the Board of Directors, to begin to implement appropriate business process into the operational aspects of HL7.

Without a doubt our members represent the crème de la crème of standards development, it is imperative that we provide a viable business platform to support that work. I use the term “work” advisedly. If we are to continue to meet the requirements for healthcare informatics standards and interoperability we must have a working environment supportive of those efforts. This will require infrastructure, funding, and staffing beyond any previously envisioned by our volunteer organization. The Strategic Initiative effort, funded by a generous grant from the Robert Wood Johnson Foundation, is only the first step in our evolution as a viable, self-sustaining organization whose purpose is the development of open, consensus-based standards. We are on the cusp of a tremendous effort to remodel and reinvigorate HL7. I invite all of you to support and contribute to that effort in any way possible, and encourage you to attend HL7’s Working Group Meeting in Phoenix from January 8-13, 2006.

Sincerely,

Charles “Chuck” Meyer, Chair,
HL7 Board of Directors (2006-07)
### Sunday, January 8
- **9:00 - 5:00 p.m.** Vocabulary Facilitators Roundtable
- **9:00 - 5:00 p.m.** International Affiliates Meeting
- **1:45 - 5:00 p.m.** Working Group Meetings
- **4:00 - 6:00 p.m.** REGISTRATION
- **5:00 - 5:45 p.m.** First-Time Attendee Orientation
- **6:00 - 7:30 p.m.** HL7 Organization and Process Forum

**Monday, January 9**
- **7:30 - 5:00 p.m.** REGISTRATION
- **7:30 - 8:30 a.m.** Continental Breakfast
- **7:30 - 8:15 a.m.** First-Time Attendee Orientation
- **8:30 - 9:00 a.m.** General Session
- **9:00 - 12:30 p.m.** Intro to Version 2.x, Part 1
- **9:00 - 12:30 p.m.** Intro to Version 3, Part 1
- **9:00 - 12:30 p.m.** Clinical Statements
- **10:30 - 11:00 a.m.** Working Group Meetings
- **12:30 - 1:30 p.m.** Lunch (Co-chair tables reserved)
- **1:45 - 5:00 p.m.** Intro to Version 2.x, Part 2
- **1:45 - 5:00 p.m.** Intro to Version 3, Part 2
- **1:45 - 5:00 p.m.** HL7 & the Claims Attachments Recommendation
- **3:00 - 3:30 p.m.** Afternoon Break
- **5:00 - 9:00 p.m.** Open Space Meetings (no A/V)
- **5:30 - 9:00 p.m.** Technical Steering Committee Meeting

**Tuesday, January 10**
- **8:00 - 6:00 p.m.** REGISTRATION
- **8:00 - 8:30 a.m.** Continental Breakfast
- **8:00 - 9:00 a.m.** General Session (Technical Steering Committee Report)
- **9:00 - 10:30 a.m.** HL7 Organization & Process Forum
- **9:00 - 12:30 p.m.** V2.5 Implementation Certification
- **9:00 - 12:30 p.m.** Version 3 XML ITS & Data Types
- **9:00 - 12:30 p.m.** Clinical Genomics
- **10:30 - 11:00 a.m.** Working Group Meetings
- **12:30 - 1:30 p.m.** Lunch (Co-chair tables reserved)
- **12:30 - 1:30 p.m.** Lunch (1st time attendees Q & A)
- **12:30 - 1:30 p.m.** Lunch Early Adopters (Must Sign Up)
- **1:45 - 5:00 p.m.** Version 2 Message Profiles & Conf.
- **1:45 - 5:00 p.m.** V3 Message Wrappers & Transport Integration Project Management
- **3:00 - 3:30 p.m.** Afternoon Break
- **3:30 - 10:00 p.m.** Open Space Meetings (no A/V)

*Note: Tutorials appear in bold

### Wednesday, January 11
- **8:00 - 5:00 p.m.** REGISTRATION
- **8:00 - 8:30 a.m.** Continental Breakfast
- **8:00 - 9:00 a.m.** General Session (Board of Directors Report / Awards Presentations)
- **9:00 - 10:30 a.m.** Working Group Meetings
- **9:00 - 12:30 p.m.** V2 Integration for Project Managers Hands-On Workshop
- **9:00 - 12:30 p.m.** Intro to HL7 Interoperability
- **10:30 - 11:00 a.m.** Morning Break
- **12:30 - 1:30 p.m.** Lunch (Co-chair tables reserved)
- **12:30 - 1:30 p.m.** Lunch ARB
- **1:45 - 5:00 p.m.** CDA Introductory Tutorial
- **1:45 - 5:00 p.m.** V3 Messaging Implementation Part 1: Analysis & Specifications
- **1:45 - 5:00 p.m.** Introduction to Vocabulary
- **3:00 - 3:30 p.m.** Afternoon Break
- **5:00 - 9:00 p.m.** Open Space Meetings (no A/V)
- **5:15 - 6:15 p.m.** HL7 Networking Reception

**Thursday, January 12**
- **7:30 - 8:15 a.m.** Newly Elected Co-Chair Training
- **8:00 - 5:00 p.m.** REGISTRATION
- **8:00 - 8:30 a.m.** Continental Breakfast
- **8:00 - 9:00 a.m.** General Session
- **9:00 - 5:00 p.m.** Working Group Meetings
- **9:00 - 12:30 p.m.** V3 Messaging Implementation Part 2: Mechanics
- **9:00 - 12:30 p.m.** Messaging Workbench and Message Maker Workshop
- **9:00 - 12:30 p.m.** Processing HL7 XML with XSLT
- **10:30 - 11:00 a.m.** Morning Break
- **12:30 - 1:30 p.m.** Lunch (Co-Chair Tables Reserved)
- **12:30 - 1:30 p.m.** Lunch For Affiliate Chairs or their designated rep only
- **1:45 - 5:00 p.m.** Electronic Health Records
- **1:45 - 5:00 p.m.** V3 Tools Overview
- **1:45 - 5:00 p.m.** Formal Constraint Modeling
- **3:00 - 3:30 p.m.** Afternoon Break
- **5:00 - 9:00 p.m.** Open Space Meetings (no A/V)
- **5:30 - 7:30 p.m.** CERTIFICATION TESTING
- **5:30 - 10:00 p.m.** MnM Facilitators Roundtable

**Friday, January 13**
- **8:00 - 8:30 a.m.** Continental Breakfast
- **8:30 - 1:00 p.m.** Staff will be on hand for questions
- **8:30 - 9:00 a.m.** General Session
- **9:00 - 5:00 p.m.** Working Group Meetings
- **10:30 - 11:00 a.m.** Morning Break
- **12:30 - 1:30 p.m.** Lunch
- **3:00 - 3:30 p.m.** Afternoon Break
WHAT IS A WORKING GROUP MEETING?

HL7 working group meetings are held three times per year at varying locations. These working group meetings serve two important purposes: 1) They give the HL7 Technical committees and special interest groups a chance to meet face-to-face to work on the standards; 2) They provide an invaluable educational resource for the healthcare IT community.

Educational Sessions
This working group meeting will offer numerous educational opportunities. Sessions will cover a full range of HL7-specific topics such as Version 2.x implementation, Version 3, the Clinical Document Architecture (CDA) and the Clinical Context Management Specifications (also known as CCOW) among others. Educational sessions also branch out to cover general interest industry topics such as the Electronic Health Record, XML and Vocabulary Terminology. For a full listing of course descriptions, please see pages 5-12.

Standards Development
HL7 has more than 40 technical committees (TCs) and special interest groups (SIGs) dedicated to specialized areas of interest such as Orders and Observations and Electronic Health Records. These technical committees and special interest groups are directly responsible for the content of the standards and spend much of their time at the working group meetings hard at work on standards development. Attending a TC or SIG meeting can be a great way to get a handle on what is going on in a particular area, and everyone attending an HL7 working group meeting is invited to attend any of the TC or SIG meetings.

Please see pages 14-15 for a complete schedule of TC and SIG meeting times throughout the week.

NEWLY UPDATED EDUCATION TRACKS

HL7 has now organized its courses into four tracks to make it easier to choose the educational offerings that are right for you:

1) Track 1 - Version 2
2) Track 2 - Version 3
3) Track 3 - HL7 Special Topics
4) Track 4 - Related Standards

Track 1 - Version 2
HL7 Version 2 is the world’s most successful healthcare interoperability standard. Originally developed in the late 1980s, it has been continually enhanced ever since. The introductory tutorials familiarize students with the Version 2 standard and its core domain areas, while the implementation classes provide the “how to” basics of implementation. The track also includes courses that cover conformance and profiles and XML for Version 2.

Track 2 - Version 3
HL7 Version 3 is HL7’s new flagship standard, adopted by major healthcare organizations, such as the NHS in England. This track covers Version 3 messaging fundamentals, including the Reference Information Model (RIM) and Refined Message Implementation Models (RMIM), clinical Document Architecture (CDA), the Clinical Statement pattern Transport protocols, wrappers and XML implementations.

Track 3 - HL7 Special Topics
HL7 has developed an important group of standards, which do not fall into either V2 or V3 groups. These include Electronic Health Records (EHR), standards for visual integration (CCOW), Security and Arden Syntax.

Track 4 - Related Standards
HL7 works closely with other important standards organizations and is always monitoring relevant innovations. This track covers standards such as UML, XML, SNOMED CT, and OWL which are used by HL7 standards.

These tracks are only suggested course groupings. Feel free to choose whatever courses you feel are right for you from among the four tracks.
M1 Introduction to Version 2.x: Part 1
Monday, January 9 / 9 a.m. – 12:30 p.m.

This tutorial introduces students to HL7 and the basic concepts of Version 2. It covers some of the standard's fundamental chapters including Control, Patient Administration, Order Entry and Results Reporting.

This Tutorial Will Benefit:
- Those new to HL7

Faculty:
Mike Henderson: Principal Consultant, Eastern Informatics

M4 Introduction to Version 2.x: Part 2
Monday, January 9 / 1:45 - 5 p.m.

This tutorial provides the students with an overview of the V2 Orders and Observation messages and major concepts and provides a sampling of the type of information that can be communicated using these messages.

This Tutorial Will Benefit:
- Those new to HL7 with a need to become familiar with Version 2 messages

Upon Completion of This Tutorial, Students Will Know:
- Basic Order and Observation message structures
- Sample messages
- How to start to interpret the V2 Orders and Observation standards

Faculty:
Hans Buitendijk: HL7 2006 Board of Directors; Co-Chair, HL7 ORC; Co-Chair, HL7 Orders and Observations; Portfolio Manager, Siemens Medical Solutions Health Services Corporation

T10 Version 2 Message Profiles and Conformance
Tuesday, January 10 / 1:45 p.m. – 5 p.m.

This course is designed to explore the concept of conformance within HL7 Version 2 as described in Chapter 2 of Version 2.5.

Additionally, this tutorial will demonstrate how we can apply message profiling to interoperability by improving clarity, simplifying implementations and streamlining testing. Participants will be introduced to tools that facilitate analysis and interoperability while, at the same time, fully documenting HL7 conformance.

This Tutorial Will Benefit:
- Anyone interested in HL7 interoperability

Upon Completion of This Tutorial, Students Will Know:
- How to measure conformance using message profiling
- How vendors can document their applications’ implementations
- How providers can improve their RFP results by using message profiling
- How to use message profiles developed for specific domains
- The tools available to facilitate HL7 Version 2.x conformance efforts (Messaging Workbench and the Global Profile Library)
- More about HL7 conformance certification
- How to develop HL7 conformance documentation for Version 2

Prerequisites:
Working knowledge of HL7 or other EDI standards (ASTM, X12)

Faculty:
Abdul-Malik Shakir: Co-Chair, HL7 Educational Committee; Co-Chair, HL7 Organizational Relations Committee; Principal Consultant, Shakir Consulting

W13 Version 2 Integration for Project Managers - Hands On Workshop
Wednesday, January 11 / 9 a.m. -12:30 p.m.

Interfacing two disparate applications can have hidden complexities. HL7 Version 2.x interfaces often require site-specific negotiation to determine the best solution. This tutorial guides the student through the analysis process and explains how to build robust interface solutions. Through hands-on exercises, students will experience the steps required to negotiate successful interfaces between two HL7 Version 2-compliant applications. Attendees will apply their skills in the areas of general HL7 design, trigger concepts, message formatting rules, identifiers, and table translation issues.

Faculty:
Mike Henderson: Principal Consultant, Eastern Informatics
**TUTORIALS**

**This Tutorial Will Benefit:**
- Analysts, project managers, or programmers responsible for designing or negotiating HL7 interfaces

**Upon Completion of This Tutorial, Students Will Know:**
- How to analyze and negotiate interfaces between Version 2-compliant applications
- How to design effective solutions
- Tips and strategies for successful implementation

**Prerequisites:**
Introductory tutorial or industry experience with HL7 Control

**Faculty:**
Mike Henderson: Principal Consultant, Eastern Informatics

**Th22 V2.5 Certification Test**
*Thursday, January 12 / 5:30 - 7:30 p.m.*

Health Level Seven is pleased to offer certification testing on HL7 V2.5 Chapter 2: Control. Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Messaging Standard. Interface analysts, healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates. The knowledge required to pass the exam can be obtained by participation in the HL7 working group meetings, by attending HL7 education sessions, by field work dealing with HL7 interfaces, or simply by self-study of the HL7 Standard V2.5, Chapter 2: Control. You can pre-register for the test by checking the appropriate box on the meeting registration form on pages 20-22, or sign up on the HL7 Web site (www.HL7.org).

**TRACK 2 – VERSION 3**

*Monday, January 9 / 9 a.m. - 12:30 p.m.*

Introduction to Version 3 Part 1 is a rigorous introduction to HL7’s newly emerging messaging standard. Included in the class is:
- General rationale for V3
- Overview of the V3 publication (ballot and standard)
- Essential concepts and terminology necessary to understand, read, and "speak" Version 3

*Note that the focus of this class is V3 messaging; students specifically interested in Version 3 documents (CDA) should make sure to take the CDA tutorial series.*

**This Tutorial will Benefit:**
- Anyone interested in V3 implementation or standards development

**M5 Introduction to Version 3, Part 2: Functional Domain Overview, Spotlighting the Patient Administration & Laboratory Domains**
*Monday, January 9 / 1:45 - 5 p.m.*

This class provides a general overview of the functional content of V3. It then provides a more extensive review of how V3 supports two essential messaging areas: Patient Administration and Laboratory. A key purpose of this class is to reinforce and expand on the morning class by demonstrating how the V3 concepts and terminology are applied in specific functional areas (domains). Note that the class is based on the latest V3 ballot material. The latest V3 ballot publication can be accessed and downloaded from www.hl7.org/v3ballot/html/welcome/introduction/index.htm. A new ballot should be posted in November. Students may be interested in reviewing or downloading the ballot prior to class.

**This Tutorial Will Benefit:**
- Anyone who needs to read V3 messaging publications
- Anyone interested in V3 implementation or standards development
- Anyone specifically interested in the Patient Administration and Lab functional areas

**Upon Completion of This Tutorial, the Student Will Have Obtained the Following:**
- Rudimentary knowledge of the Reference Information Model (RIM) with a focus on Act, Role, ActRelationship, and Participation
- Proficiency in V3 artifact terminology (RIM, DMIM, RMIM, HMD, Message Type, Storyboard, Trigger Event, Interaction, and Application Role)
- Overview of the layout and contents of the V3 publication
- Basic concept of how a V3 message is assembled, transmitted and acknowledged

**Prerequisites:**
- Experience with healthcare interfacing would be helpful
- Experience or training with systems (development, integration, and/or implementation) required
- It is assumed that the student has some familiarity with the HL7 organization and its processes (balloting procedures, etc)

**Faculty:**
Virginia Lorenzi: Senior Technical Specialist, FCG Management Services at New York Presbyterian
Prerequisites:
- Introduction to Version 3 Part 1 (Note: Part 2 builds directly on the concepts covered in Part 1 and is designed to be a continuation of the morning class. Most attendees of Part 2 also take Part 1. If you would like to take Part 2 without Part 1, please contact the instructor).
- Knowledge or experience with healthcare interfacing is helpful

Faculty:
Virginia Lorenzi: Senior Technical Specialist, FCG Management Services at New York Presbyterian

This tutorial provides an in-depth look at the Version 3 XML Implementable Technology Specification (ITS), covering both the Structures and Datatypes portions of the ITS.

This Tutorial Will Benefit:
- Anyone with XML experience interested in Version 3 implementation
- Anyone with a specific interest in the V3 XML Implementation Technology Specification

Upon Completion of This Tutorial, Students Will Know:
- How clinical and administrative information is represented in V3 Messages (Interactions) and as XML instances
- Basics of how to generate and process V3 XML instances
- An understanding of Version 3 Data Types, especially with respect to their XML implementation
- Basic knowledge in Version 3 concepts, including RIM Act, Entity, Role, Participation), RMIM, HMD, Message Type, and Interaction
- Knowledge of the Extensible Markup Language
- Basic knowledge of XML Schema

The Version 3-related pre-requisites can be met by taking the Introduction to Version 3 Messaging tutorial series. The XML-related pre-requisites can be met in many ways; for instance refer to the following XML related specifications:
- Extensible Markup Language (XML) 1.0 (Second Edition) http://www.w3.org/TR/REC-xml
- Namespaces in XML http://www.w3.org/TR/REC-xml
- XML Schema Part 0: Primer, http://www.w3.org/TR/xmlschema-0/

Tools Needed:
While a laptop is not required, there will be a paper-based workshop component to this tutorial and those with a laptop and any XML editor running on it might get more out of the hands-on exercises.

Faculty:
Kai Heitmann, M.D: HL7 Board of Directors, International Representative; HL7 Germany; University of Cologne (Germany), Heitmann Consulting & Services (The Netherlands)

This tutorial covers two Version 3 infrastructural areas in detail: Message Wrappers & Transport Protocols (e.g. ebXML, SOAP, Webservices, MLLP). It introduces how Version 3 messages are packaged, transmitted and acknowledged. It explains that Version 3 message payloads are wrapped in two Message Wrappers. Its main focus is on these wrappers and on the relationship between HL7 messages and transport protocols in general. The details of individual transport protocols will NOT be covered.

This Tutorial Will Benefit:
- Anyone interested in Version 3 implementation
- Those interested in developing the Version 3 Standard

Upon Completion of This Tutorial, Students Will Know:
- What Message Wrappers exist and how they should be used
- How Version 3 messages can be communicated using various Transport Protocols

Prerequisites:
- Completion of the Introduction to Version 3 Tutorial
- Basic knowledge of the Version 3 Standard

Faculty:
Rene Spronk: Co-Chair, HL7 Control Query TC; Co-Chair, HL7 Marketing Committee; Sr. Consultant, Ringholm GmbH

The Clinical Document Architecture is HL7’s specification for standards-based exchange of clinical documents. CDA is based on the concept of scalable, incremental interoperability and uses Extensible Markup Language (XML), the HL7 Reference Information Model (RIM) and controlled terminology for structure and semantics. This tutorial presents the business case for CDA, its primary design principles and an overview of the technical specification. The session describes CDA projects in the United States, Europe and Asia/Pacific; the tools available for CDA creation, management and distribution; and the Care Record Summary Implementation Guides for CDA.

This Tutorial Will Benefit:
- Managers considering CDA for local implementation
- Product managers considering support for CDA
- Public health officials & those building information exchange networks
- Implementors beginning to work with CDA

Faculty:
Liora Alschuler (Lead Speaker): HL7 Board Member, Co-Chair, HL7 Structured Documents TC; Co-Editor, CDA; Principal, Alschuler Associates, LLC
Keith W. Boone (Co-speaker): Editor, HL7 Care Record Summary; Dictaphone Corporation
W16  Clinical Document Architecture (CDA) Advanced
Wednesday, January 11 / 1:45 - 5 p.m.

CDA implementation requires understanding the CDA refinement of the RIM (the CDA RMIM), the Version 3 data types and how these combine with controlled vocabulary to form “clinical statements”. This tutorial reviews the principles of semantic interoperability with CDA and how these are reflected in the CDA model and implemented in the CDA schema. It reviews the CDA RMIM, schema and datatypes and gives a detailed walkthrough of a fully coded sample CDA Release 2 instance.

This Tutorial Will Benefit:
- Those needing to learn more about CDA, Release Two. Its derivation from the RIM and issues relevant to implementing CDA 2.0 solutions

Upon Completion of This Tutorial, Students Will:
- Have an overview of CDA's components
- Have insights into the XML markup required to implement solutions

Prerequisites:
- Completion of the Introduction to the Clinical Document Architecture (CDA) tutorial recommended, but not required
- Basic knowledge of the Version 3 standard (as can be obtained from the Introduction to Version 3 tutorial series)

Tools Needed:
- A laptop to participate in the hands-on activities
- Evaluation software will be provided prior to the event and on-site

Faculty:
Calvin Beebe: (Lead Speaker) Co-Chair, HL7 Structured Documents TC; Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic – Rochester, MN
Bob Dolin, M.D.: (Co-speaker) HL7 Board of Directors; Co-Chair, HL7 Structured Documents TC; Department of Internal Medicine, Kaiser Permanente

Wednesday, January 11 / 1:45 - 5 p.m.

The use of HL7 Version 3 to implement interfaces within a particular application context can have hidden complexities. While Version 3 has been designed to reduce the amount of required site-specific negotiation, it is not possible to simply pull the message specification(s) "out of the box" and install it. This tutorial guides the student through the analysis process, and addresses issues necessary for building robust interface solutions. It covers:

- Documentation of message specifications
- Implementation considerations for data types
- Managing vocabulary from the implementation perspective
- Procedures to address refinement and localization of the standard
- Tips and strategies for successful implementation

This class also provides a lead-in for Version 3 Implementation Part 2: Implementation Mechanics.

This Tutorial Will Benefit:
- Analysts and Architects who need to map HL7 Version 3 messages to or between computer applications
- Project Managers responsible for Version 3 implementation projects
- Anyone considering Version 3 early adoption

Upon Completion of This Tutorial, Students Will Know:
- How to develop and carry out a plan for creating Version 3 interfaces
- How to read and write Version 3 message specifications
- Design tips and strategies

Prerequisites:
A basic understanding of Version 3 is a requirement (such as the Introduction to Version 3 Tutorials). More advanced (XML ITS and Wrappers) are encouraged as well. Previous experience in V2 implementations will be of value.

Faculty:
Mead Walker: Chair, HL7 Architectural Review Board; Mead Walker Consulting

Th19  Version 3 Messaging Implementation Part 2: Implementation Mechanics
Thursday, January 12 / 9 - 12:30 p.m.

This class gives an overview of current technical strategies for implementing solutions based on the Version 3 specifications. How do we populate a message from our repository? What do we do when we receive a message? How do we process it? This tutorial will address implementation of Version 3 messaging systems from a practical point of view. Different architectural approaches will be examined and compared. The tutorial is designed to address the needs of the implementer/developer, bridging the gap between domain experts and developers. The tutorial will address techniques and design patterns for manipulating Version 3 messages: parsing and serialization, extended validation, communication, storage and retrieval, localization and extensions and enablement of existing applications. The tutorial will also give a brief overview of the tools available to the HL7 community for implementing these solutions.

This Tutorial Will Benefit:
- Software architects responsible for integration projects
- Developers responsible for Version 3 Implementation
- Technical Specialists considering Version 3 adoption
The HL7 clinical statement pattern is one of the keys to interoperable communication of clinical information. The clinical statement pattern is the semantic foundation for structured clinical information in the Clinical Document Architecture (release 2) and in many Version 3 messages. Development and refinement of the pattern is continuing in the Clinical Statements Project. This project has a close relationship with the HL7 TermInfo Project which is addressing the gaps and overlaps between the clinical statement pattern and external terminology models, including SNOMED Clinical Terms. The tutorial provides an introduction to the clinical statement pattern and the issues of semantic interoperability that it addresses. The first session describes the requirements and challenges posed by clinical semantic interoperability. It continues by summarizing the evolution of the clinical statement pattern and explaining how the pattern is expressed as part of HL7 Version 3. The second session explains the clinical statement model, how it interacts with clinical terminologies and how these are being addressed.

**This Tutorial Will Benefit:**
- Anyone needing to understand how HL7 Version 3 supports communication of clinical information in ways that enable effective retrieval and processing.

**Upon Completion of This Tutorial, Students Will Know:**
- The current state of the clinical statement pattern within HL7 Version 3 standards
- The key factors that determine the effectiveness of clinical communication
- The main overlaps and gaps between the clinical statement pattern and clinical terminologies and how these are being addressed

**Prerequisites:**
- It would be useful for students to have some prior knowledge of the HL7 Version 3 Reference Information Model (RIM) and development method. An understanding of clinical information and clinical terminologies would also be helpful but not essential.

**Faculty:**
- David Markwell; Past Chair, HL7 UK; Co-Editor, HL7 TermInfo; Principal Consultant, The Clinical Information Consultancy Ltd, Reading, England.
Upon Completion of This Tutorial, Students Will Know:
- General strategies for managing interface projects
- The interface project lifecycle
- Integration testing strategies
- How to prepare for and maintain a successful production environment

Prerequisites:
V2 Introductory tutorial or equivalent industry experience

Faculty:
Mike Henderson: Principal Consultant, Eastern Informatics

What is interoperability and why is it difficult
What are interoperability standards
What is HL7, what does it do and how is it organized
What is HL7 Version 2 and how it works
What is HL7 Version 3 and how it differs from Version 2
What are the HL7 Version 3 building blocks (RIM, Vocabulary and Data Types)
How V3 message specifications are documented using RMIMs and tabular views
How interactions are documented using trigger events, application roles, message types and receiver responsibilities
How to find out more

Prerequisites:
None

Faculty:
Tim Benson: Co-Chair HL7 Education Committee, Abies Ltd, London

This hands-on workshop will demonstrate the use of Messaging Workbench in conjunction with the Message Maker test harness for the purpose of documenting and testing V2 conformance. The Messaging Workbench is the tool used to create, reverse engineer, and compare message profiles. The Message Maker is conformance-testing tool that automatically generates test messages for HL7 message profiles specifications.

This Tutorial Will Benefit:
- Integrators
- Analysts
- Developers
- Testers

Participants need laptops and they need to download and install the following tools:

Ioana Singureanu (Lead Speaker): Co-Chair, Modeling and Methodology, Principal Consultant, Eversolve, LLC
Peter Rontey (Co-speaker): U.S. Department of Veterans Affairs

This hands-on tutorial provides an in-depth look at the EHR Functional Specification and Standard (draft) along with background information including an overview of other EHR standards initiatives (ASTM, CEN, open EHR), as well as the status of on-going EHR projects. NOTE: this is a system functional standard, not a records/data standard.
This tutorial will provide a step-by-step understanding of the tools that committee contributors and facilitators use to develop and submit content for HL7 Version 3 Message Standard Ballots. It will also cover tooling that committees and implementers can use to better document their specifications, including the ability to develop documentation targeted at different user groups. This will be a "hands-on" session with participants "following along" by running the tools on their own laptop computers. Instructions on downloading and installing the necessary tools will be provided to students in advance of the tutorial.

www.hl7.org/library/datamodel/V3Tooling/toolsIndextm

This Tutorial Will Benefit:
- Individuals who are supporting HL7 Committees, related project teams, and others involved in the documentation of messaging standards, and the creation and documentation of message designs

Scope:
The intent is to provide an overview of the tooling that supports ballot tooling from "end-to-end" including:
- Tooling architecture, including the place and potential uses of the HL7 Model Interchange Format (MIF)
- HL7 repositories - overview of contents and organization (brief)
- RoseTree – Use as a RIM and Vocabulary Browser (brief)"Publication Data base" - including WYSIWYG editing with XML Spy
- RMIM Design Tool in Visio - including design steps, use of shadows, textual documentation, validation, saving designs
- Creation of HMD and MessageType - creating these designs in RoseTree, once the RMIM is saved from Visio
- Creation of XML and Excel exports – Exporting these representations of an HMD with RoseTree, and formatting of the Excel view
- Generation of XML Schemas - Creation of XML schemas for the message designs using HL7-defines XSLT processes Time permitting; we will also cover likely (or known) future changes to these tools

Prerequisites:
This tutorial pre-supposes a detailed familiarity with Version 3 terminology. At a minimum, the prospective student should have taken or have previous knowledge of the material addressed in the Introduction to Version 3 tutorials. Other courses on the V3 track, especially the V3 Implementation Part 1 class, are suggested as well.

The tutorial will not cover V3 terminology, the RIM, representation of concepts in an RMIM, cloning, application roles, etc. It is presumed that the participants are conversant with these topics and simply need to know how to capture the artifacts with the tools.

Faculty:
Lloyd McKenzie, P.Eng. (Lead Speaker): Principal Consultant, LM&A Consulting Ltd., Co-chair, HL7 Modeling and Methodology TC, Co-Chair, Tooling Committee; MnM Facilitator at Large
George (Woody) Beeler, PhD (Co-speaker): Principal, Beeler Consulting, LLC; Co-Chair, HL7 Modeling & Methodology

TRACK 4 – RELATED STANDARDS

M6 HL7 and the Claims Attachments Recommendation
Monday, January 9 / 1:45 - 5 p.m.

The class begins with a background on the standard electronic attachments solution and explores, in detail, all of the standards involved including the X12, 277, 275 and HL7 CDA for attachments. Participants will learn about how LOINC codes are the key to this solution and how they are used in this specific context. Other topics covered include industry initiatives around attachments, a report on the first claims attachments pilot, and finally attention will be given to the regulatory process that will ultimately mandate these standards under HIPAA. Upon completion of this tutorial, students will have a good understanding of the standards for Claims Attachments, the regulatory process and what others in the industry are doing with these standards. While there will be a brief general background review, this tutorial is geared toward those with a working knowledge of HIPAA, specifically the standard transactions.

This Tutorial Will Benefit:
Anyone interested in learning about the development of national standards for healthcare attachment (claims and other) information; additionally, individuals responsible for HIPAA transaction implementation should attend

Faculty:
Maria Ward (Lead Speaker): Co-Chair, HL7 Attachments SIG; Member of the DSMO Steering Committee; Member of NUCC
Wes Rishel (Co-Speaker): Co-Chair, HL7 Attachments SIG; VP Healthcare Research, Gartner; HL7 Board of Directors; Commissioner, Commission for Certification of Health IT; Member of the Board of Directors, the eHealth Initiative
W18  Introduction to Vocabulary
Wednesday, January 11 / 1:45 - 5 p.m.

Brief topics include vocabulary use in the CDA, templates and information models, and Common Terminology Services. Some of these topics are dealt with more deeply and completely in the Vocabulary II tutorial.

This Tutorial Will Benefit:
- Those seeking an overview to terminology and LOINC and SNOMED in particular

Upon Completion of This Tutorial, Students Will Know:
- The basic role and integration of terminologies into HL7 messages
- An understanding of the LOINC and SNOMED systems

Faculty:
Christopher G. Chute, M.D., Dr.P.H: Co-Chair, Vocabulary Technical Committee; Professor and Chair, Biomedical Informatics, Mayo Clinic College of Medicine

Th25  Formal Constraint Modeling
Thursday, January 12 / 1:45 - 5 p.m.

The Unified Modeling Language is an Object Management Group Standard (OMG) which assists modelers in formalizing information models. Participants will learn to generate state models, create directory boards, activity diagrams, and write OCL statements to constrain their models.

Participants will also learn to use the HL7 modeling toolkit to create domain message information models (D-MIMs) and restricted message information models (R-MIMs). Participants will be introduced to the concept of Ontologic representation and we will discuss methods for achieving semantic interoperability between information models and terminological models.

By the end of the tutorial participants will be able to create accurate UML models assign attributes to classes of information, determine the appropriate relations between classes of information and will be able to determine the cardinalities of these associations. We will examine some existing models, as examples of high quality model design.

This Tutorial Will Benefit:
- Clinicians, IT professionals, scientists, educators, and researchers; physicians, nurses, and other healthcare professionals; Biomedical engineers and workers in bioinformatics; administrators and CIOs; computer scientists, system developers, and programmers; and medical librarians and other information professionals.

Upon Completion of This Tutorial, Students Will Know:
- Introduction to UML
- Modeling in UML
- Story boards and Activity Diagrams
- OCL
- Modeling in HL7
- Ontologic Representation
- Putting UML into Practice

Faculty:
Peter Elkin, M.D: Professor of Medicine and Medical Informatics, Mayo Clinic/Foundation; Co-Chair, HL7 Clinical Genomics

Th21  Processing HL7 XML with XSLT
Thursday, January 9 / 9 a.m. - 12:30 p.m.

This tutorial offers an ideal introduction to the Extensible Stylesheet Language version 2.0 (XSL) and associated standards such as XPath 2.0. Attendees will get a solid understanding of XSL-based transformation concepts and applications The hands-on part of this tutorial gives every student the chance to explore the power of XSL by means of HL7-XML message transformations into different output formats. Onsite demonstrators are available for questions and help.

This Tutorial Will Benefit:
- HL7 implementers without prior knowledge of XSL and XPath

Upon Completion of This Tutorial, Students Will Know:
- Concepts and techniques of XSL processing
- XSLT (version 2.0) and XPath (version 2.0)
- The key standards associated with XSL processing
- Transforming XML documents using XSL
- Aspects of XML Schema awareness at process time

Prerequisites:
- Basic Knowledge of XML and XML Schema
- Basic Knowledge of XHTML an advantage but not essential

Tools Needed:
- A laptop to participate in the hands-on activities
- Evaluation software will be provided prior to the event and on site

Faculty:
Benjamin Jung: Assistant Professor, Health Information Science
University of Victoria
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A.M. Sessions run from 9 a.m. to 12:30 p.m. unless otherwise noted.
P.M. Sessions run from 1:45 to 5 p.m. unless otherwise noted.

*Cert test will run for two (2) hours only.

The tutorial schedule is subject to change. Tutorials are cancelled when fewer than the specified number of people registers for that specific tutorial.
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#### Architectural Review Board
- Time: 3:30-10:00 p.m.
- Location: Lunch

#### Board of Directors Meeting
- Time: 7:30-8:15 a.m.

#### Co-Chair Info Meeting
- Time: 7:30-8:15 a.m.

#### Early Adopters Committee
- Time: Lunch

#### Education Committee
- Time: Q3

#### Education Forum
- Time: 7:30-8:30 a.m.
- Location: Q4

#### First Time Attendees Orientation
- Time: 5:45 p.m.
- Location: Lunch

#### Implementation
- Time: Q1

#### International Affiliates Meeting
- Time: Lunch

#### General Session
- Time: 8:30-9 a.m.

#### HL7 Network Reception
- Time: 5:15-6:15 p.m.

#### HL7 Project Management
- Time: ■

#### HL7 Services Spec Project
- Time: ■ ■ ■ ■

#### Marketing Meeting
- Time: 7:30-8:30 a.m.
- Location: ■ ■ ■ ■

#### NLM
- Time: ■

#### Outreach Committee for Clinical Research
- Time: 7:30-8:30 a.m.

#### Process Improvement Committee
- Time: ■

#### Publishing Committee – V3
- Time: ■
- Location: Check onsite guide

#### Publishing Committee – V2
- Time: ■

#### Technical Steering Committee Meeting
- Time: 5:30-9 p.m.

#### Term Info Committee
- Time: ■ ■ ■

#### Tooling Committee
- Time: Q3 ■ Q4

#### TSC/SIG Joint Meeting and New Co-Chair Training
- Time: 7:30-8:15 a.m.

---

A.M. sessions run from 9 a.m. to 12:30 p.m. unless otherwise noted. P.M. sessions run from 1:45 to 5 p.m. unless otherwise noted.

NOTE: Meeting times are subject to change. Please attend the daily General Sessions for information on room changes, meeting changes, and additions. You can also check the bulletin board near the HL7 Registration Desk for updates each day.
**REGISTRATION & TUTORIAL HANDOUT HOURS**

- **Sunday:** 4:00 - 6:00 p.m.
- **Monday:** 7:30 - 5:00 p.m.
- **Tuesday - Thursday:** 8:00 - 5:00 p.m.
- **Friday:** 8:30 - 1:30 p.m.

**GENERAL SESSION ROOM**

Monday through Friday, please plan to attend each morning’s general session for daily highlights, meeting announcements and changes. *Please note that Wednesday’s General Session will begin at 8:00 a.m.*

**HEALTHCARE SERVICES SPECIFICATION PROJECT**

- **Wednesday:** 9:00 - 5:00 p.m. **COMMITTEE MEETING**
- **Thursday:** 9:00 - 5:00 p.m. **COMMITTEE MEETING**

**IEEE - Now part of Healthcare Devices SIG**

**IMPLEMENTATION COMMITTEE**

- **Wednesday:** 9:00 - 10:30 a.m. **COMMITTEE MEETING**

**INTERNATIONAL AFFILIATES MEETING**

- **Sunday:** 9:00 - 5:00 p.m. **COMMITTEE MEETING**
- **Thursday:** 5:30 - 10:00 p.m. **M&M**

**MARKETING MEETING**

- **Tuesday:** 7:30 - 8:30 a.m. **COMMITTEE MEETING**
- **Wednesday:** 9:00 - 12:30 p.m. **COMMITTEE MEETING**

**NATIONAL LIBRARY OF MEDICINE (NLM)**

- **Wednesday:** 9:00 - 12:30 p.m. **COMMITTEE MEETING**

**“OPEN SPACE” MEETINGS**

- **Monday - Thursday:** 5:00 - 9:00 p.m. Open forums - Self-organized, (no A/V)

**PUBLISHING COMMITTEE**

- **Tuesday:** 9:00 - 12:30 p.m. **COMMITTEE MEETING V3**
  - 1:45 - 3:00 p.m. Joint w/Tooling
- **Thursday:** 9:00 - 12:30 p.m. **COMMITTEE MEETING V3**
  - 1:45 - 5:00 p.m. Joint w/M&M

**TERM INFO COMMITTEE**

- **Friday:** 9:00 - 5:00 p.m. Joint w/Vocabulary

**TOOLING COMMITTEE**

- **Tuesday:** 1:45 - 3:00 p.m. Hosting: V3 Pub
  - 3:30 - 5:00 p.m. Joint w/M&M
- **Thursday:** 9:00 - 12:30 p.m. **COMMITTEE MEETING**

**TSC CO-CHAIR MEETINGS**

- **Monday:** 5:30 - 10:00 p.m. **Dinner/Meeting**
  (Open meeting, however open for dinner ONLY to TSC Co-Chairs. Co-Chairs you MUST register if you wish to attend the dinner meeting.)
- **Monday - Thursday:** 12:30 - 1:30 p.m. **Tables reserved at lunch for Co-Chairs**
- **Thursday:** 7:30 - 8:15 p.m. Newly elected Co-Chair training

**OTHER MEETINGS**

**ARCHITECTURAL REVIEW BOARD (ARB)**

- **Wednesday:** 12:30 - 1:30 p.m. **COMMITTEE MEETING**

**BOARD OF DIRECTORS MEETING**

- **Tuesday:** 3:30 - 10:00 p.m. **Dinner and Meeting**

**EARLY ADOPTERS COMMITTEE**

- **Tuesday:** 12:30 - 1:30 p.m. Luncheon Meeting - Attendees MUST sign up at time of registration

**EDUCATION COMMITTEE MEETING**

- **Monday:** 7:30 - 8:30 a.m. **Education Forum**
  - 1:45 - 5:00 p.m. **COMMITTEE MEETING**
  - 1:45 - 5:00 p.m. **to assign tutorials**
- **Wednesday:** 3:30 - 5:00 p.m. **Education Forum**
- **Thursday:** 1:45 - 3:00 p.m. **COMMITTEE MEETING**

**FACILITATORS ROUNDTABLE**

- **Sunday:** 9:00 - 5:00 p.m. **Vocabulary**
- **Thursday:** 5:30 - 10:00 p.m. **M&M**

**FIRST TIME ATTENDEES MEETINGS**

- **Sunday:** 5:00 - 5:45 p.m. **Informational Meeting**
- **Monday:** 7:30 - 8:15 a.m. **Informational Meeting**
  - 12:30 - 1:30 p.m. **Lunch Tables Set Aside**
- **Tuesday:** 12:30 - 1:30 p.m. **Lunch Tables Set Aside**

**HL7 NETWORKING RECEPTION**

- **Wednesday:** 5:15 - 6:15 p.m.
## GENERATION OF ANESTHESIA STANDARDS (GAS)

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## ARDEN SYNTAX SIG (AS)

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## ATTACHMENTS SIG

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## CARDIOLOGY SIG (Card)

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## CLINICAL DECISION SUPPORT TC (CDS)

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## CLINICAL GENOMICS SIG (Clin Gen)

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<td>9:00 - 12:30 p.m.</td>
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<td>1:45 - 5:00 p.m.</td>
<td>Joint w/O&amp;O, Lab</td>
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<td>3:30 - 5:00 p.m.</td>
<td>Joint w/RCRIM</td>
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## CLINICAL GUIDELINES SIG (CG)

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## COMMUNITY BASED HEALTH SIG (CBH)

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## CONFORMANCE SIG (CONF)

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## ELECTRONIC HEALTH RECORDS TC (EHR)

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## EMERGENCY CARE SIG (EC)

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## FINANCIAL MANAGEMENT TC (FM)

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## MEDICAL RECORDS/ INFORMATION MANAGEMENT TC (MR)

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## MODELING & METHODOLOGY

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<td>Hosting: Tooling</td>
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<td>Hosting: Security</td>
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<td>Hosting: Conformance</td>
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## ORDERS & OBSERVATIONS TC (O&O)

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<td>Hosting: PM, FM</td>
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<td>COMMITTEE MEETING</td>
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<td>9:00 - 10:30 a.m.</td>
<td>Hosting: Lab BTO project</td>
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<td>11:00 - 12:30 p.m.</td>
<td>Hosting: Lab, HDD, BTO project</td>
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<td>1:45 - 3:00 p.m.</td>
<td>Hosting: Clin Gen, Lab</td>
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<td>Hosting: II</td>
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<td>Thursday</td>
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<td></td>
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<td>Hosting: Pharm, Lab</td>
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<td>Hosting: Pharm, PHR</td>
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<td>Hosting: Pt Care, SD</td>
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<td>Friday</td>
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<td>9:00 - 10:30 a.m.</td>
<td>Hosting: HCD-Implm. devices project</td>
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## PATIENT ADMINISTRATION TC (PA)

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<td>Tuesday-Thursday</td>
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<td>Thursday</td>
<td>9:00 - 5:00 p.m.</td>
<td>Joint w/PM, FM</td>
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## PATIENT CARE TC (PC)

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<td>Tuesday-Thursday</td>
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<td>Joint w/SD</td>
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### PATIENT SAFETY SIG (PS)

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### PEDIATRIC DATA STANDARDS SIG (PDS)

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### PERSONNEL MANAGEMENT TC (PM)

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### PHARMACY SIG (PHARM)

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<td>9:00 - 10:30 a.m.</td>
<td>Joint w/O&amp;O, Lab</td>
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<tr>
<td></td>
<td>11:00 - 12:30 p.m.</td>
<td>Joint w/O&amp;O, PHER</td>
</tr>
<tr>
<td>Friday</td>
<td>9:00 - 12:30 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
</tbody>
</table>

### PUBLIC HEALTH EMERGENCY RESPONSE SIG (PHER)

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>9:00 - 5:00 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 - 12:30 a.m.</td>
<td>Hosting Pt Safety</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 - 12:30 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td></td>
<td>3:30 - 5:00 p.m.</td>
<td>Joint w/Pharm, Pt Safety</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:00 - 12:30 a.m.</td>
<td>Joint w/O&amp;O, Pharm</td>
</tr>
</tbody>
</table>

### SCHEDULING & LOGISTICS (SL)

<table>
<thead>
<tr>
<th>Day</th>
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<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>9:00 - 5:00 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td></td>
<td>3:30 - 5:00 p.m.</td>
<td>Joint w/INM (formerly CQ)</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:00 - 12:30 p.m.</td>
<td>Joint w/M&amp;M</td>
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</tbody>
</table>

### SECURITY TC (Sec)

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>9:00 - 3:00 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td>Wednesday</td>
<td>11:00 - 12:30 p.m.</td>
<td>Joint w/M&amp;M</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 - 5:00 p.m.</td>
<td>COMMITTEE MEETING</td>
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### STRUCTURED DOCUMENTS TC (SD)

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>9:00 - 10:30 a.m.</td>
<td>Joint w/Attachments</td>
</tr>
<tr>
<td></td>
<td>11:00 - 12:30 p.m.</td>
<td>Hosting: Pt Care</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 - 10:30 a.m.</td>
<td>Joint w/MR</td>
</tr>
<tr>
<td>Wednesday</td>
<td>11:00 - 12:30 p.m.</td>
<td>Joint w/INM (formerly CQ)</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 - 12:30 p.m.</td>
<td>Joint w/Attachments</td>
</tr>
<tr>
<td></td>
<td>1:45 - 5:00 p.m.</td>
<td>Hosting: Pt Care</td>
</tr>
</tbody>
</table>

### TEMPLATES SIG

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>9:00 - 5:00 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 - 12:30 p.m.</td>
<td>Joint w/M&amp;M</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 - 12:30 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 - 12:30 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
</tbody>
</table>

### VOCABULARY TC (VOC)

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
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</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>9:00 - 5:00 p.m.</td>
<td>Facilities Roundtable</td>
</tr>
<tr>
<td>Monday</td>
<td>9:00 - 5:00 p.m.</td>
<td>COMMITTEE MEETING</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 - 5:00 p.m.</td>
<td>Hosting: Conformance</td>
</tr>
<tr>
<td></td>
<td>1:45 - 3:00 p.m.</td>
<td>Joint w/MR</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 - 10:30 a.m.</td>
<td>Hosting INM (formerly CQ)</td>
</tr>
<tr>
<td></td>
<td>1:45 - 5:00 p.m.</td>
<td>Joint w/Pharm</td>
</tr>
<tr>
<td></td>
<td>3:30 - 5:00 p.m.</td>
<td>Joint w/O&amp;O, Pt Care</td>
</tr>
</tbody>
</table>

### XML SIG

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday</td>
<td>9:00 - 10:30 a.m.</td>
<td>Joint w/INM (formerly CQ)</td>
</tr>
</tbody>
</table>

NOTE: In compliance with our status as an ANSI-accredited standards development organization, anyone may register to attend HL7 meetings.

DISCLAIMER: Meeting times are subject to change. Please attend the daily General Sessions for room changes, meeting changes, additions, deletion notification and also check the bulletin board near the HL7 Registration Desk for updates each day.
“Early Bird” Rate Deadline
Advance meeting registration, including payment, is required by December 2, 2005 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 20-22) for a schedule of meeting fees.

To Register
Please complete the registration form on pages 20-22 and mail it (along with a check payable to Health Level Seven in U.S. funds ONLY) to:
Health Level Seven
P.O. Box 3216
Ann Arbor, MI 48106

If paying by credit card, the registration may be faxed to:
(734) 677-3128.

Online registration is also available via our Web site (www.HL7.org). For your convenience, you can pay via a credit card directly from the site or print the registration form and mail it along with payment. Advance registrations MUST include payment. No balance dues will be accepted and registrations received without payment will not be processed until the time that payment is received. Registrations received with payment by the Early Bird deadline will receive the early bird discount. Registrations where payment is not received by then will require the full registration fee. Advance registrations will be accepted until December 11, 2005. After that time, registrations can only be made on-site. All on-site registrations require payment in full at the time of registration.

Cancellation Policy
Prepaid registrants who cancel prior to Early Bird deadline will receive a full refund minus a $50 processing fee. After that time, no refunds will be made.

Tutorial Cancellation
The tutorial schedule is subject to change. A tutorial may be cancelled if expected registration numbers are not met. If a tutorial is cancelled, pre- registrants will be notified via e-mail. A full refund of the tutorial fee will be made, however, registration fees will not be refunded.

Dress
The dress code will be casual for all HL7 functions. Layered clothing is advised, as room temperatures vary.

Meals
Continental breakfasts, refreshment breaks and lunches are included in the meeting registration fee and will be provided for all registered attendees Monday through Friday. Vegetarian and diabetic meals are available upon request. You must register for each day’s lunch on your registration form in order to receive lunch tickets.

Air Travel
To make arrangements, attendees can call Conlin Travel at (800) 783-9559 or (734) 677-0900. Be sure to mention Health Level Seven when calling.

Ground Transportation and Parking
The Pointe Hilton Squaw Peak Resort is approximately 15 minutes from Sky Harbor International Airport. Shuttle service between the airport and The Pointe Hilton Squaw Peak Resort is available via Trans Style at a cost of $25 and can be accessed using the resort phone by baggage claim. Taxi service is also available at about $25 one way.

Avis Rent-a-Car
HL7 has secured special rates from Avis for this meeting. To take advantage of these rates, please call Avis at (800) 331-1600, identify yourself as being with the Health Level Seven Group and provide the following Avis Meeting Rate Discount Number: D188914. The attendee must use the assigned meeting rate discount number and meet Avis rental requirements to receive the discount. Rates are available one week before and one week after the dates of the meeting. Should a lower qualifying rate become available, Avis will offer a five percent discount on that rate.

Hotel Information
HL7’s January Working Group Meeting will be held at The Pointe Hilton Squaw Peak Resort.

Address:
The Pointe Hilton Squaw Peak Resort
7677 N. 16th Street
Phoenix, AZ 85020
www.pointehiltonresorts.com
Phone: (602) 678-5927

To reserve your room, the hotel has set up a special website registration process just for HL7 members. HL7 attendees should log on to www.pointehilton.com, click on reservations, and then click “Book Online” under Squaw Peak Resort. The Group / Convention code for HL7 is WGM. Simply follow the reservation instructions and enter the group code where indicated.

Alternatively, you can call the hotel directly. Mention HL7 to receive discounted room rates of $150 per night single/double. Remember, space is limited, so reserve your room early. Discounted room rates are available only on reservations made before December 2, 2005. Room rates are subject to all applicable state and local taxes in effect at time of check in. Broadband wireless internet service is available in the suites and is billed at a rate of $4.95/per hour or $9.95 for 24 hours.

Please Book Your Room at the HL7 Meeting Hotel
HL7 urges all meeting attendees to secure your hotel reservations at the HL7 Working Group Meeting Host Hotel. The hotel has been contracted to provide the best rate and service to our HL7 meeting attendees, including the vast number of meeting rooms that HL7 uses. In order to secure the required meeting space, HL7 has a contractual obligation to fill our sleeping room block. If you make reservations at a different hotel, HL7 risks falling short on its obligation, which translates to HL7 paying additional costs (penalties) to the hotel. Should this occur, HL7 will likely be forced to pass these costs onto our attendees through increased meeting registration fees. Therefore, to help avoid such fee increases, we urge you to book your hotel room at our host hotel. Thank you!
Midnight E.S.T. on December 2, 2005, is the deadline for discounted fee and hotel reservations. All advance registrations must be received prior to Midnight E.S.T. on December 11, 2005. After this date, registrations must be made on-site ONLY with payment.

1. Contact Information

Last Name_______________________________________ First Name_______________________________________________________
Title/Position____________________________________ Organization______________________________________________________
Address_________________________________________ City____________________________State____________Zip__________
Country_________________________________________ Telephone_________________________Fax____________________________
E-Mail__________________________________________ Nickname for Badge________________________________________________
Are you a member within the last 30 days?___________ Emergency Contact________________________________________________

2. Survey & Information

I am a/an:  □ Voting Board Member of HL7, Inc.  □ International Affiliate Chair  □ HL7 TC/SIG Co-Chair
□ Tutorial Speaker  □ First Time WGM Attendee  □ Early Adopter
□ Facilitator - Vocabulary  □ Facilitator - M&M  □ Facilitator - Publishing

□ If you require special assistance, please indicate: ______________________________________________________________________

□ I am a member of an HL7 International Affiliate, employee of an HL7 organizational member or member of another eligible organization (ADA, ASTM, IEEE, IHE, CDISC, DICOM, EHI, Mediquitous, Oasis, CEN, OMG, NCPDP, SNOMED, or X12N) and eligible for the member rate. Please list affiliate or organization: _______________________________________________________________________

□ I am an approved participant in the student program and eligible to receive □ Discounted fees  □ Waived fees (appropriate forms have been completed and sent to HL7). I understand the deadline for this is always the same as the Early Bird registration deadline.

University attending:_______________________________________________________________________________________________
Student#_______________________________________

Meal Requirements:  □ Vegetarian  □ Regular  □ Diabetic

Please indicate if you plan to attend any of these functions:

□ International Affiliates Meeting (Sunday)  □ HL7 Networking Reception (Wednesday evening)
□ TSC Dinner Meeting (Monday)  □ Chair of International Affiliate or Designee Lunch (Thursday)
□ Early Adopters Lunch (Tuesday)
□ HL7 Board of Directors Dinner (Tuesday)

Deadline for Discounted Rates: Payment must be received by December 2, 2005 to qualify for the “early bird” rate. The full fee structure applies to all other registrations where payment is received after this date.
Cancellation/Refund Policy: Prepaid registrants who cancel prior to the Early Bird deadline will receive a full refund, less a $50 processing fee. After this date, no refunds will be given for ANY reason.

Mail
HL7 Registration Center
P.O. Box 3216
Ann Arbor, MI 48106

Overnight
HL7
3300 Washtenaw Ave., Suite 227
Ann Arbor, 48104

Fax
734-677-3128

Online
www.HL7.org

Registrations sent by mail or fax will not be processed until payment is received. The “Early Bird” rate will not apply if payment is received after the cutoff date.

Registration Questions: Please call 734-677-3126 or e-mail reginfo@HL7.org.

You will receive confirmation of registration by mail. If you have not received a confirmation of registration within two weeks after registration, please call HL7 Registration at 734-677-3126. Please bring your confirmation materials to the meeting with you.

3. Registration and Tutorial Fees:

You must register for either the ALL WEEK OPTION or the DAILY FEE in addition to any tutorials that you attend.

Sunday Meeting Fee:
☐ $25 ☐ $25 ☐ $25 ☐ $25 $________

(This fee must be included if you will be attending any of the Sunday meetings. This fee is in addition to the Monday-Friday option fee. This fee does not apply to those attending the First Time Attendee Orientation.)

Monday - Friday Option:
☐ $500 ☐ $700 ☐ $700 ☐ $900 $________

Please register me for the entire week: (Please note that the Monday-Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend.)

Per-Day Fees: Please register me for the following days: (Please note that daily fees do not include the cost of tutorials. Please register separately for any tutorials you would like to attend.)

☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday _______ days attending x fee = $________

Tutorial Fees: Please register me for the following tutorials: (Please note that you must also register for the days you are taking tutorials.)

Sunday
☐ First-Time Attendee Orientation Session (F1) (No Charge)
☐ HL7 Organization and Process Forum (F2) (No Charge)

Monday
☐ First-Time Attendee Orientation Session 2 (F3) (No Charge)

Morning Sessions
☐ Track 1 - Version 2
☐ Introduction to Version 2.x, Part 1 (M1)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

☐ Track 2 - Version 3
☐ Introduction to Version 3, Part 1 (M2)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

☐ Track 3 - HL7 Special Topics
☐ Clinical Statements (M3)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

Afternoon Sessions
☐ Track 1 - Version 2
☐ Introduction to Version 2.x, Part 2 (M4)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

☐ Track 2 - Version 3
☐ Introduction to Version 3, Part 2 (M5)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

☐ Track 4 - Related Standards
☐ HL7 and the Claims Attachments Recommendation (M6)
☐ $75 ☐ $150 ☐ $150 ☐ $225 $_______

Tuesday
☐ HL7 Organization and Process Forum (F4) (No Charge)

Morning Sessions
☐ Track 1 - Version 2
☐ V2.5 Implementation Certification (T7)
☐ $75 $150 ☐ $150 ☐ $225 $_______

☐ Track 2 - Version 3
☐ Version 3 XML ITS & Data Types (T8)
☐ $75 $150 ☐ $150 ☐ $225 $_______

☐ Track 3 - HL7 Special Topics
☐ Clinical Genomics (T9)
☐ $75 $150 ☐ $150 ☐ $225 $_______
# Meeting Registration Form

**Afternoon Sessions**

<table>
<thead>
<tr>
<th>Track 1 - Version 2</th>
<th>Members</th>
<th>Non-Members</th>
<th>Amount Due</th>
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<tbody>
<tr>
<td>□ Version 2 Message Profiles and Conformance (T10)</td>
<td>$75</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>□ V3 Message Wrappers &amp; Transport (T11)</td>
<td>$75</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>□ Integration Project Management (T12)</td>
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<td>$150</td>
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**Morning Sessions**

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<thead>
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<th>Non-Members</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ V2 Integration for Project Managers</td>
<td>$75</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>□ CDA Introductory Tutorial (W14)</td>
<td>$75</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>□ Intro to HL7 Interoperability (W15)</td>
<td>$75</td>
<td>$150</td>
<td>$150</td>
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**Wednesday**

- **Track 1 - Version 2**
  - □ Hands-On Workshop (W13) | $75 | $150 | $150 | $225 | $_______ |

- **Track 2 - Version 3**
  - □ CDA Advanced (W16) | $75 | $150 | $150 | $225 | $_______ |
  - □ V3 Messaging Implementation Part 1: Analysis & Specs (W17) | $75 | $150 | $150 | $225 | $_______ |

- **Track 3 - HL7 Special Topics**
  - □ Introduction to Vocabulary (W18) | $75 | $150 | $150 | $225 | $_______ |

**Thursday**

- **Morning Sessions**
  - □ V3 Messaging Implementation Part 2: Mechanics (Th19) | $75 | $150 | $150 | $225 | $_______ |
  - □ Messaging Workbench and Message | $75 | $150 | $150 | $225 | $_______ |
  - □ Processing HL7 XML with XSLT (Th21) | $75 | $150 | $150 | $225 | $_______ |

- **Afternoon Sessions**
  - □ V2.5 Certification Test (5:30 - 7:30) (Th22) | $100 | $100 | $150 | $150 | $_______ |
  - □ Electronic Health Records (Th23) | $75 | $150 | $150 | $225 | $_______ |
  - □ V3 Tools Overview (Th24) | $75 | $150 | $150 | $225 | $_______ |

- **Track 4 - Related Standards**
  - □ Formal Constraint Modeling (Th25) | $75 | $150 | $150 | $225 | $_______ |

---

### 4. Payment Information and Refund Policy

Payment must be included in order to process your registration.

**Method of Payment (U.S. Dollars, Drawn on U.S. Bank Only)**

- □ Check (please make payable to: Health Level Seven, Inc.)
- □ Credit Card: □ Visa □ Master Card □ American Express
- □ Diners Club

Number ___________________________________________ Exp/Date___________

Name on Card _____________________________________________

Signature ________________________________________________

Grand Total $_____________
ORIENTATION & ELECTIONS

First-Time Attendee Orientation

HL7 will offer a special orientation session for first-time attendees. This 45-minute session will give those new to HL7 the lay of the land and help make sure they get the very most out of their first gorking group meeting experience. The session will consist of a quick meeting “tour” and a question and answer session that will help attendees make informed choices and maximize their time at the meeting. The session will be offered twice during the meeting - once on Sunday evening and again on Monday morning.

First-Time Attendee Orientation Times:

- **Sunday**
- 5 - 5:45 p.m.

- **Monday**
- 7:30 - 8:15 a.m.

Co-Chair Elections

The following HL7 Technical Committees and Special Interest Groups will conduct co-chair elections at this working group meeting:

- Anesthesiology – electing two new co-chairs
- Attachments – electing two co-chairs
- Cardiology – electing two new co-chairs
- CCOW – electing one co-chair
- Clinical Genomics – electing one co-chair
- Community Based Health - electing one co-chair
- Conformance – electing one co-chair
- EHR - electing one co-chair
- Emergency Care – electing two co-chairs
- Government Projects – electing one co-chair
- Healthcare Devices – electing two co-chairs
- JAVA – electing one co-chair
- Medical Records – electing one co-chair
- Pediatric Data Standards – electing one co-chair
- RCRIM – electing two co-chairs
- Security – electing two co-chairs
- Structured Documents – electing one co-chair
- Vocabulary – electing one co-chair

Register Online!

It’s quick, easy, and convenient

www.HL7.org

For more information, please contact the HL7 Registration Center at:
(734) 677-3126
or e-mail reginfo@HL7.org

UPCOMING WORKING GROUP MEETINGS

May 7 - 12, 2006
May Working Group Meeting
San Antonio Hyatt
San Antonio, TX

September 10 - 15, 2006
20th Annual Plenary/Working Group Meeting
Boca Raton Resort
Boca Raton, FL

January 7 - 12, 2007
January Working Group Meeting
Town & Country Resort
San Diego, CA
No matter what time of year you visit Greater Phoenix, you’ll find plenty of things to see and do. More than 325 days of annual sunshine mean you can count on exceptional weather as you experience the rich diversity of our Sonoran Desert Playground.

Our near-perfect weather goes hand-in-hand with exciting recreation and adventure activities, which are enjoyed year-round. Experience a wide range of tours and sightseeing excursions, whether by Jeep or hot-air balloon, on horseback, or even by boat. Of course golf is one of the most popular outdoor activities, as Greater Phoenix provides more than 200 pristine courses.

More than three dozen luxurious resorts are scattered throughout the Valley, many of which provide spectacular spas that offer special treatments native to Arizona. Visitors also take pleasure in an exceptional dining scene, which features everything from savory steaks to exquisite Southwestern fare. Then, once you’re full, take advantage of the area’s dynamic nightlife.

Thanks to several major projects and developments in Downtown Phoenix - Copper Square, the area is brimming with energy and excitement. Arts and performances flourish throughout the metro area, and in terms of sporting events, Phoenix is a sport’s lover’s dream. Passionate shoppers will find a cornucopia of fabulous malls, unique boutiques and antique shops in which to indulge.

And, Greater Phoenix is the perfect place for your reunion, wedding or any special event. A quick glance at the area’s group activities and venues provides a multitude of exciting options.

With so many ways to keep busy, or simply lounge around and do nothing at all, it’s easy to see why visitors find themselves completely satisfied in Greater Phoenix.

---

**Certification Testing**

**Thursday, January 13 5:30 - 7:30 p.m.**

Health Level Seven is pleased to offer certification testing on HL7 V2.5 Chapter 2: Control.

Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Messaging Standard. Interface analysts, healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates.

The knowledge required to pass the exam can be obtained by participation in the HL7 working group meetings, by attending HL7 education sessions, by field work dealing with HL7 interfaces, or simply by self-study of the HL7 Standard V2.5 Chapter 2: Control.

You can pre-register for the test by checking the appropriate box on the meeting registration form on pages 22-23, or sign up on the HL7 web site (www.HL7.org).