



Health Level Seven® International

Unlocking the Power of Health Information

27TH ANNUAL PLENARY & WORKING GROUP MEETING

HYATT REGENCY CAMBRIDGE

CAMBRIDGE, MA • SEPTEMBER 22-27, 2013

REGISTER TODAY!

Early Bird Registration & Hotel Cutoff—August 30, 2013

Online Registration Cutoff—September 6, 2013



NEW INITIATIVES

Look inside for this icon to discover the latest initiatives from HL7 International, such as:

- Meaningful Use Stage 2 Tutorials
- FHIR®
- Consolidated CDA®
- Clinical Quality
- Mobile Health Activities



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THANK YOU TO OUR SPONSORS

SATURDAY FHIR CONNECTATHON
CONTINENTAL BREAKFAST

EASTERN INFORMATICS

Healthcare Information Technology Systems and Management Consulting

SATURDAY FHIR CONNECTATHON LUNCHEON



LANYARDS



TUESDAY PM COOKIE BREAK



WEDNESDAY PM COOKIE BREAK



MNM FACILITATOR'S ROUNDTABLE DINNER



LODGING ROOM KEYS



AEGIS

LETTER FROM THE CHAIR

Greetings and thanks to all of you who are able to come to Cambridge for the 27th Annual Plenary & Working Group Meeting (WGM). It is fitting that we are holding our Plenary Meeting here in the Boston area. The bombings at the Boston Marathon, while heartbreaking and unfortunate for its victims, their families, and the residents of Boston, is a grim reminder that HL7 has much work to do to develop and advance standards that can be extremely useful when tragic events such as this occur. However, as I'm sure the local residents will be quick to remind us, Boston will not be defined by this single event. Boston is much more known for its excellence in healthcare, health informatics, academics, software development, and innovation, all of which we can draw from while in Boston. And after our hard day's work, there is the fun we can have together, whether it's seeing the historic sites, relaxing in Cape Cod or Martha's Vineyard, or attending a sporting event.



THANK YOU FOR YOUR HARD WORK AND DEDICATION

It's hard to believe that this is my last WGM as chair of HL7. How quickly two years have gone by! I am truly honored to have served as chair of HL7 these last two years, and will continue to work hard in 2014 as the Vice Chair. I want to thank all of you for the hard work and dedication you've shown for all the years you've been a member of HL7, but particularly for the past two years during my term as chair.

WE'VE ACCOMPLISHED A LOT TOGETHER

In January 2012, I listed relevance, change, growth, and unity as our top priorities and principles. Through your energy, enthusiasm, hard work, and dedication, a lot has been accomplished in these areas in the last two years. Mobile health and usability initiatives were launched, increasing both our standards portfolio beyond interoperability and, because of the need for standards in these areas, our relevance to the industry. More importantly, we have made our licensed standards and selected intellectual property (IP) available at no cost to the entire healthcare industry in every realm. That move has increased our relevance to the industry immensely.

Making our standards and selected IP freely available has caused us to accelerate a much needed organizational transformation—one that can accommodate relevance, change, growth and unity. Our recently established Membership Committee is working hard to design a value-driven membership model. Individuals who have never had leadership positions on the board, work groups, or committees now do so, setting an excellent foundation for a succession plan in the ranks of our leadership.

Organizational transformation is never smooth. Indeed, we have had our share of difficulties as we've gone through the beginning of our transformation. But we're on the right track. I want to thank all of you once again for your patience, understanding, and commitment, as well as all your valuable comments and insights about how we can transform as an organization.

Donald J. Mon, PhD
Chair of the Board, 2012-2013, Health Level Seven® International

HL7's 27th Annual Plenary Meeting*

Theme: Care Coordination and HL7's Role

8:00 – 8:10 am

Welcoming Comments

Don Mon, PhD, Chair, HL7 International Board of Directors

8:10 – 8:40 am

KEYNOTE SESSION 1:

The Next Generation of Interoperability

The session will describe the efforts in progress at the international, national, and state level to enhance care coordination and care management with novel standards approaches.

John Halamka, MD, Chair of the ONC Standards Chief Information Officer, Beth Israel Deaconess Medical Center; Chief Information Officer and Dean for Technology, Harvard Medical School; Chair of the ONC Standards Committee

8:40 – 10:15 am

Panel Discussion: Providers from around the Globe Facing Tragedies and Coordination of Care and the Role HL7 played (or Could Play) and the Gaps that Surfaced

Moderated by:

Bob Dolin, MD, Chair-Elect, HL7 International Board of Directors

8:45 – 8:50 am

Introductions of topic and panelists by Moderator

8:50 – 10:00 am

PANELIST PRESENTATIONS

Insights and Lessons Learned from the 2011 Tohoku Earthquake and Tsunami Tragedy

Michio Kimura, MD, PhD, Chair of HL7 Japan; Medical Informatics, Hamamatsu University School of Medicine

Lessons Learned from the Earthquake in Christchurch, New Zealand

David Hay, MD, Chair, HL7 New Zealand; Product Strategist, Orion Healthcare

Post-Acute Care: Building Upon a Foundation and Current Synergy at CMS: Thinking Forward

Stella Mandl, RN, BSN, BSW, PHN, Technical Advisor, Division of Chronic and Post-Acute Care at the Centrs for Medicare and Medicaid

Consumer Priorities for Health and Care Planning in an Electronic Environment

Erin Mackay, Associate Director, Health IT Programs, National Partnership for Women & Families

10:00 – 10:15 am

Questions and answers for panelists

10:15 – 10:45 am

Break

10:45 – 11:15 pm

KEYNOTE SESSION 2:

Importance of Interoperability and Workflow of Information Exchange for Transitions of Care, Planned and Unplanned

Establishing workflow that assures exchange of an individual's health information to the next setting of care is critical and HL7 Consolidated CDA® documents play an enabling role in these transitions to improve patient safety and assure optimal outcomes.

Terry O'Malley, MD, Director, Non-Acute Care Services, Partners HealthCare System, Inc.

11:15 – 11:45 am

KEYNOTE SESSION 3:

Lessons Learned from the Boston Marathon

The presentation will focus on the overall healthcare communities' response to the Boston Marathon Bombing and what role IT played in the response to the tragedy.

Jim Noga, Chief Information Officer, Partners HealthCare System, Inc.

11:45 – 12:15 pm

KEYNOTE SESSION 4:

Evidence-Based Standards Development for Care Coordinators

This presentation will cover the findings of the IMPACT study which compared the HL7 Consolidated CDA (C-CDA) templates to the actual data requirements for care transitions and found significant gaps.

Larry Garber, MD, Principal Investigator, IMPACT; Medical Director for Informatics, Reliant Medical Group

12:15 – 12:30 pm

Closing Comments

Charles Jaffe, MD, PhD, CEO, Health Level Seven International

*Plenary program agenda is subject to change. For the full session descriptions, please visit www.HL7.org

Fourth FHIR Connectathon

Saturday, September 21, 9:00 am – 5:00 pm

Sunday, September 22, 9:00 am – 12:30 pm

Member/Non-member Fee: \$50

A Fast Healthcare Interoperability Resources (FHIR) Connectathon is an opportunity for implementers to participate in developing FHIR solutions and exchange data with other FHIR interfaces. The Connectathon is not a formal tutorial. There will be no lectures or presentations. Instead, you'll participate in 1.5 days of hands-on, heads down development and testing, working directly with other FHIR developers as well as senior members of the FHIR standards development team. The Connectathon is a chance to get your hands dirty and learn by doing as well as to help evolve the FHIR specification – all issues identified during the Connectathon are treated as ballot feedback on the FHIR specification.

Participants in the Connectathon will choose one of two tracks. Participants will be asked to confirm which track they wish to follow a few days in advance of the Connectathon (primarily based on their level of readiness). Details on the scenarios for both tracks as well as information on pre-Connectathon discussion forums can be found on the Connectathon website here: http://wiki.hl7.org/index.php?title=FHIR_Connectathon_4.

TRACK 1: FHIR Client in a Day

Objective:

Demonstrate connectivity between your freshly-written FHIR client and various Connectathon servers after only a day of development effort. This will give participants a good sense of how FHIR works in practice.

PREREQUISITES

Mandatory:

Have a laptop with a functioning development environment (and knowledge of how to use it).

Optional:

Review the FHIR specification and Track 1 scenarios and possibly work with some coding.

TRACK 2: FHIR Interoperability Scenario

Objective:

Demonstrate interoperability and clinical utility by participating in scripted exchanges between your client or server application and other participating systems. These exchanges will exercise various aspects of the FHIR specification including security with a focus on practical solving of real-world clinical exchange needs.

PREREQUISITES

Mandatory:

Complete development and initial testing of your system, covering the minimum and desired optional feature set defined by the Connectathon scenarios and be prepared to test against other participating systems.

Optional:

Test your system against at least one of the publicly available FHIR test servers.

HL7 International working group meetings (WGMs) are held three times per year at varying locations. These WGMs serve two important purposes:

- They give the HL7 International work groups a chance to meet face-to-face to work on the standards as well as the opportunity to network with industry leaders from around the world.
- They provide an invaluable educational resource for the healthcare IT community.

Standards Development

More than 40 HL7 work groups are dedicated to specialized areas of interest such as Orders and Observations and Electronic Health Records. These work 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 work group meeting can be a great way to keep up-to-date on what is happening in a particular area, and everyone attending an HL7 working group meeting is invited to attend any of the work group meetings.

Please see pages 20-23 for a complete schedule of meeting times throughout the week.

Educational Sessions

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7-specific topics such as Version 2.x Implementation, Version 3, and the Clinical Document Architecture (CDA®), Fast Healthcare Interoperability Standards (FHIR®), among others. Educational sessions also include industry topics such as Meaningful Use in the US, Electronic Health Records, and Vocabulary Terminology. For a full listing of course descriptions, please see pages 7-15.

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

Track 1 – Version 2 Core

HL7 Version 2 is the world's most successful healthcare interoperability standard. Originally developed in the late 1980s, it has been continually enhanced over time. The introductory tutorials familiarize students with the Version 2 messaging 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 CDA® Core

HL7 Version 3 is HL7's new flagship standard, adopted by major healthcare organizations, such as the NHS in England. This track is designed to give the attendee a thorough introduction to the Version 3 family of standards. It covers Version 3 fundamentals, the Reference Information Model (RIM), messaging, documents (Clinical Document Architecture), messaging infrastructure (wrappers, transport), and the XML Implementation Technology Specification (ITS). It concludes with classes that address strategies for implementation.

Track 3 – HL7 Special Topics

The Special Topics track offers a variety of electives that describe important HL7 standards that may not fall into either the Version 2 or Version 3 family. These include HL7 standards for Electronic Health Records (EHR), security and TermInfo. The Special Topics track also offers advanced or specialized classes in Version 2 or Version 3 subjects that are not considered part of the basic core offerings. Examples include classes in Version 2 and Version 3 tooling, and domain classes such as Clinical Genomics.

Track 4 – Meaningful Use

This track provides tutorials on the HL7 standards selected for meaningful use. It provides overviews of the selected standards, and strategies to assist implementers in conforming to the selected standards. Included in this track are tutorials on the HL7 Consolidated CDA Specification, Laboratory Reporting Interface, and Immunizations, as well as a free session providing an overview of standards selected for meaningful use.

Track 5 – Information Forums *FREE*

This track provides tutorials designed to support new member involvement, and help existing members become more effective in their participation in the HL7 standards development process. Tutorials included in this track are first timers' orientation, introduction to HL7 organization and process, the HL7 development framework, and co-chair training.

These tracks are only suggested course groupings. Feel free to choose whatever courses you feel are right for you from among the five tracks.

Saturday, September 21

- 9:00 – 5:00pm TSC Meeting
- ★ 9:00 – 5:00pm FHIR® Connectathon

Sunday, September 22

- 8:30 – 5:00pm REGISTRATION
- ★ 9:00 – 12:30pm FHIR Connectathon
- 9:00 – 3:00pm HL7 International Council Meeting
- 9:00 – 5:00pm Architectural review Board (ArB) Meeting
- 3:30 – 5:00pm Activities with Other SDOs
- 3:30 – 5:00pm International Mentoring Committee
- 4:00 – 5:00pm First-Time Attendees' Orientation – FREE TUTORIAL**
- 5:00 – 6:00pm Organization and Process Orientation/Introduction – FREE TUTORIAL**
- 5:00 – 6:00pm How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**
- 5:15 – 6:30 pm TSC Meeting

Monday, September 23

- 7:00 – 8:00am First-Time Attendees' Orientation – FREE TUTORIAL**
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:00 – 12:30pm Plenary Meeting
- 10:15 – 10:45am Morning Break
- 12:30 – 1:30pm Education Facilitators' Roundtable Luncheon/Meeting
- 12:30 – 1:30pm Lunch – First-Time Attendees' Q & A reserved tables
- 12:30 – 1:30pm Lunch – Co-Chair reserved tables
- 1:45 – 5:00pm Working Group Meetings
- ★ **1:45 – 5:00pm Introduction to HL7 FHIR**
- ★ **1:45 – 5:00pm Standards for Interoperability**
- ★ **1:45 – 5:00pm Quality Reporting Document Architecture**
- ★ 1:45 – 5:00pm Health Professionals: Get Engaged with HL7 Standards Development and Implementation Ambassador Program
- 3:00 – 3:30pm Afternoon Break
- 5:15 – 7:00pm Co-Chairs Dinner/Meeting (**Must register**)
- 6:00 – 8:00pm Open Space Meetings – Self Organized
- 7:00 – 8:30pm Domain Experts Steering Division
- 7:00 – 8:30pm Foundation & Technology Steering Division
- 7:00 – 8:30pm Structure & Semantic Design Steering Division
- 7:00 – 8:30pm Technical & Support Services Steering Division

Tuesday, September 24

- 7:00 – 8:00am GS1 Education Session – Fundamentals and latest updates regarding product identification (Identification management, UDI, serialization, etc.)
- 7:00 – 8:00am Nurses Breakfast/Meeting
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:00 – 8:45am General Session – HL7 CEO, CTO, International Council and TSC Reports, Announcements
- 9:00 – 12:30pm Introduction to Version 2, Part 1: Control/Patient Administration**
- 9:00 – 12:30pm Introduction to Version 3, Part 1: Foundations**
- ★ **9:00 – 12:30pm FHIR for Software Developers**
- 9:00 – 5:00pm Board of Directors' Meeting
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Lunch – First-Time Attendees' Q & A reserved tables
- 12:30 – 1:30pm Lunch – Co-Chair reserved tables
- 1:45 – 5:00pm Introduction to Version 2, Part 2: Orders and Observations**
- 1:45 – 5:00pm Introduction to Version 3, Part 2: Messaging**

- ★ **1:45 – 5:00pm Immunization Messaging Using HL7 Version 2.5.1**
- 3:00 – 3:30pm Afternoon Break
- 6:00 – 8:00pm Open Space Meetings – Self Organized

Wednesday, September 25

- 7:00 – 8:00am How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**
- 7:00 – 8:00am Physicians Breakfast/Meeting
- 7:30 – 8:30am Continental Breakfast
- 7:30 – 5:00pm REGISTRATION
- 8:00 – 8:45am General Session – HL7 Annual Business Meeting, Awards Presentations, Announcements
- 9:00 – 12:30pm Version 2 Message Profiles and Conformance**
- 9:00 – 12:30pm Introduction to Clinical Document Architecture**
- ★ **9:00 – 12:30pm Introduction to Integrating the Healthcare Enterprise**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm TSC Luncheon/Meeting
- 1:45 – 3:00pm Product Line Architecture Program
- 1:45 – 5:00pm Version 2.7 Control Specialist Certification Test Preparation**
- 1:45 – 5:00pm Version 3 XML ITS for CDA**
- 1:45 – 5:00pm Clinical Document Architecture — Advanced**
- 3:00 – 3:30pm Afternoon Break
- 3:30 – 5:00pm SAIF Architecture Program
- 5:15 – 7:00pm Networking Reception

Thursday, September 26

- 7:00 – 7:45am Newly Elected Co-Chair Training – FREE TUTORIAL**
- 7:30 – 8:30am Continental Breakfast
- 7:30 – 5:00pm REGISTRATION
- 8:00 – 8:45am General Session – Announcements
- 9:00 – 12:30pm CDA® Specialist Certification Test Preparation**
- ★ **9:00 – 12:30pm Consolidated CDA**
- 9:00 – 12:30pm Electronic Health Record System Functional Model**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 5:00pm Affiliate Chair or Designated Rep Luncheon/Meeting (**Must register**)
- 1:45 – 5:00pm TermInfo – Using Standard Terminologies with HL7 Information Models**
- ★ **1:45 – 5:00pm HL7 Standards for Meaningful Use**
- 3:00 – 3:30pm Afternoon Break
- 5:30 – 7:30pm HL7 Version 2.7 Control Specialist Certification Test**
- 5:30 – 7:30pm HL7 CDA Specialist Certification Test**
- 5:30 – 7:30pm HL7 Version 3 RIM Certification Test**
- 5:30 – 8:00pm Modeling & Methodology (MnM) Facilitators' Roundtable

Friday, September 27

- 8:00 – 8:45am No General Session
- 8:00 – 9:00am Continental Breakfast
- 8:00 – 1:00pm Staff will be on hand for questions and assistance
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Box Lunch

Note: Tutorials appear in bold

Note: In compliance with our status as an ANSI-accredited standards developing organization, HL7 meetings are open.

TRACK 1—VERSION 2 CORE

T4 – Introduction to Version 2, Part 1:

Control/Patient Administration

Tuesday, September 24 / 9:00 am – 12:30 pm

This tutorial introduces students to HL7 and the basic concepts of Version 2. It discusses the structure of the standard and covers two of the standard's fundamental chapters: Control and Patient Administration.

This Tutorial Will Benefit:

- Those new to HL7

Faculty:

Hans Buitendijk, FHL7: Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Orders and Observations Work Group; HS Standards & Regulations Manager, Siemens Healthcare

T7 – Introduction to Version 2, Part 2:

Orders and Observations

Tuesday, September 24 / 1:45 pm – 5:00 pm

This tutorial provides students with an overview of the Version 2 Orders and Observations 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 Version 2 orders and observation standards

Faculty:

Mike Henderson, FHL7: Eastern Informatics

W10 – Version 2 Message Profiles and Conformance

Wednesday, September 25 / 9:00 am – 12:30 pm

This course is designed to explore the concept of conformance within HL7 Version 2 as described in Chapter 2 of Version 2.7. 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 messaging 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:

Ted Klein, MS, FHL7: Co-Chair, HL7 Vocabulary Work Group; Klein Consulting Inc

W13 – Version 2.7 Control Specialist Certification Test Preparation

Wednesday, September 25 / 1:45 pm – 5:00 pm

This tutorial reviews the message definition and processing rules and data type definitions of the Control chapters of the HL7 Version 2.7 standard. Upon completion of this tutorial, students will be better prepared to take the HL7 Version 2.7 Control Specialist Certification Test.



HL7 MEETINGS ARE GREEN!

Bring your laptop to your tutorials!

To reduce HL7's carbon footprint, its meetings are largely paperless. HL7 does not provide printed tutorial materials on-site. All materials will be distributed electronically to tutorial participants to either print out themselves or load to their laptops. It is important that you bring your laptop to this meeting for all tutorials. Free WiFi internet access will also be provided.

TUTORIALS

Note: Students are also expected to prepare for the test by previous study of Chapter 2 (Control), Chapter 2A (Data Types), and Chapter 2B (Conformance) of the HL7 Version 2.7 standard.

This Tutorial Will Benefit:

- Anyone preparing for the HL7 Control Specialist Certification Test
- Interface analyst specialists and managers who need to understand the technical aspects of HL7 interfaces

Faculty:

Patrick Loyd: Co-Chair, Technical and Support Services Steering Division-HL7 Technical Steering Committee; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Education Work Group; Co-Chair, HL7 Infrastructure and Messaging Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

TH21 – HL7 Version 2.7 Control Specialist Certification Test

Thursday, September 26 / 5:30 pm – 7:30 pm

Health Level Seven International is pleased to offer certification testing on HL7 Version 2.7, 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 test 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 Chapter 2 and 2A of the HL7 Version 2.7 standard (the standard may be obtained via HL7 membership or non-member purchase on www.HL7.org).

Note: Simply taking the courses offered at this meeting will most likely not be sufficient to pass the test. We strongly recommend a combination of the aforementioned to fully prepare yourself for the test.

TRACK 2—VERSION 3 AND CDA® CORE

T5 – Introduction to Version 3, Part 1: Foundations

Tuesday, September 24 / 9:00 am – 12:30 pm

Introduction to Version 3 Foundations is a rigorous introduction to HL7's Version 3 standard. This class provides a foundation for further Version 3 study.

Included in the class is:

- General rationale for Version 3
- Explanation of Version 3's two key concepts: messaging and documents (CDA)
- Explanation of two key models of Version 3 essential to both documents and messaging: the Reference Information Model (RIM) and the Refined Message Information Model (RMIM)
- How to access the Version 3 publications

This Tutorial Will Benefit:

- Anyone interested in Version 3 implementation or standards development
- Anyone interested in more advanced Version 3 classes on messaging and documents (CDA)

Upon Completion of This Tutorial, Students Will Have Obtained:

- Understanding of the rationale for Version 3
- Core characteristics of Version 3 messages and documents
- Rudimentary understanding of HL7's Reference Information Model (RIM)
- Rudimentary understanding of Version 3 Refined Message Information Models (RMIM's) and the refinement process
- Ability to Locate the Version 3 publications

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.) as can be obtained through the HL7 Organization and Process tutorial

Faculty:

AbdulMalik Shakir, FHL7: Co-Chair, HL7 Modeling and Methodology Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting; Director - Research Informatics Architecture, City of Hope

T8 – Introduction to Version 3, Part 2: Messaging

Tuesday, September 24 / 1:45 pm – 5:00 pm

Health Level Seven is famous as a provider of messaging standards. That is, providing the standard format and interaction specifications required for two disparate healthcare systems to communicate at the application level. This tutorial builds on the morning Version 3 foundations class by explaining how to read the Version 3 publications with special focus on how the messaging paradigm is supported with the Version standard. It explains the dynamic and static messaging components used to specify messaging in Version 3 and the general rules that apply to all messaging.

The Tutorial Will Benefit:

- Anyone who needs to read Version 3 messaging publications
- Anyone implementing Version 3 messaging
- Anyone interested in balloting or developing Version 3 standards
- Anyone interested in more advanced classes on Version 3

Upon Completion of This Tutorial, Students Will Have Obtained:

- General understanding of Version 3 messaging characteristics
- Knowledge of the overall structure of the Version 3 Messaging Publications
- Explanation of how to read a Version 3 domain
- Understanding of general rules for Version 3 message transmission
- Exposure to a Version 3 message
- Knowledge on how to impact Version 3

Prerequisites:

- Introduction to Version 3, Part 1: Foundations

Note: Messaging builds directly on the concepts covered in Part 1 and is designed to be a continuation of the morning class. It is assumed that the attendee has basic familiarity with Version 3 including a general understanding of the RIM and how to interpret the RMIMs. If you would like to take this class without taking Part 1, please contact the instructor.

Faculty:

AbdulMalik Shakir, FHL7: Co-Chair, HL7 Modeling and Methodology Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting; Director - Research Informatics Architecture, City of Hope

W11 – Introduction to Clinical Document Architecture

Wednesday, September 25 / 9:00 am – 12:30 pm

The Clinical Document Architecture (CDA) 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 supporting meaningful use in the United States as well as others in Europe and Asia/Pacific. It reviews the tools available for CDA creation, management and distribution; and current work on CDA, summary documents.

This Tutorial Will Benefit:

- Healthcare providers and exchange network architects considering CDA implementation

- Product managers considering support for CDA and those required to support it for meaningful use
- Public health officials and those with structured information reporting requirements
- Implementers of all kinds beginning to work with CDA

Prerequisites:

- Introduction to Version 3 (Part 1) recommended

Faculty:

Brett Marquard (Lead-Speaker): Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

Rick Geimer (Co-Speaker): Chief Technology Officer, Lantana Consulting Group; Member, HL7 Structured Documents Work Group

W14 – Version 3 XML ITS for CDA

Wednesday, September 25 / 1:45 pm – 5:00 pm

Clinical Document Architecture (CDA) is represented in XML and uses the V3 data types. This tutorial covers the CDA XML and the data types from an implementer's perspective.

This Tutorial Will Benefit:

- Anyone who works with CDA in practice: specification designers, analysts, and programmers

Upon Completion of This Tutorial, Students Will Know:

- The general design approach for the XML structure of a CDA document and the data types
- The key facts about the important data types
- What the actual CDA XML looks like, how it relates to the published models
- How to master the first implementation challenges and basic requirements
- How to avoid the most common implementation mistakes
- How to actually populate a CDA document with clinical content
- How to use CDA templates

Prerequisites:

- The course will assume that participants have basic XML skills, and general knowledge of the V3 RIM concepts and the Clinical Document Architecture.

Faculty:

Kai U. Heitmann, MD, FHL7: Chair, HL7 Germany; Heitmann Consulting and Services

W15 – Clinical Document Architecture Advanced

Wednesday, September 25 / 1:45 pm – 5:00 pm

CDA implementation requires understanding of the CDA refinement of the RIM (the CDA RMIM), the Version 3 data types and how these combine with controlled vocabularies 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 data types. In addition, the tutorial gives a detailed walkthrough of samples of CDA documents, coded using clinical statements.

This Tutorial Will Benefit:

- Those needing to learn more about CDA, Release 2—its derivation from the RIM and issues relevant to implementing CDA 2.0 solutions
- Implementers needing to work with CDA, and wanting a review of the details

Upon Completion of This Tutorial, Students Will:

- Have an overview of CDA’s components
- Have insight into the XML markup required to implement solutions
- Have a better understanding of the issues surrounding semantic interoperability using CDA

Prerequisites:

- Completion of the Clinical Document Architecture Introductory Tutorial recommended, but not required
- Basic knowledge of the Version 3 standards (as can be obtained from the Introduction to Version 3 tutorial series)

Faculty:

Robert Dolin, MD, FHL7 (Lead Speaker): Chair-Elect, HL7 International Board of Directors; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Physician; President and Chief Medical Officer, Lantana Consulting Group

Calvin Beebe (Co-Speaker): Treasurer, HL7 International Board of Directors; Co-Chair, Structure and Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

TH16 – CDA® Specialist Certification Test Preparation

Thursday, September 26 / 9:00 am – 12:30 pm

Upon Completion of This Tutorial:

- Students will be better prepared to take the CDA Specialist Certification Test

This Tutorial Will Benefit:

- Anyone preparing for the CDA Specialist Certification Test

- System analysts or clinical application developers wanting in-depth understanding of the CDA Release 2 standard
- Participants are encouraged to carefully read the CDA Release 2 standard
- Introduction to Version 3 (Part 1) as well as the CDA Introductory and Advanced tutorials are strongly recommended

Faculty:

Calvin E. Beebe: Treasurer, HL7 International Board of Directors; Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

TH22 – HL7 CDA Specialist Certification Test

Thursday, September 26 / 5:30 pm – 7:30 pm

Health Level Seven International is pleased to offer certification testing on HL7 CDA Release 2. Certification testing is offered to those participants who want to demonstrate that they have a working knowledge of the CDA Release 2 standard. Healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates.

The knowledge required to pass the test can be obtained by attending HL7 education sessions, by field work dealing with HL7 CDA based applications, or simply by self-study of the HL7 CDA Release 2 standard. Please refer to the Study Guide on the HL7 Training and Certification page of the HL7 website for details on the content covered by the test.

Note: Simply taking the courses offered at this meeting will most likely not be sufficient to pass the test. We strongly recommend a combination of the aforementioned to fully prepare yourself for the test.

TH23 – HL7 Version 3 RIM Certification Test

Thursday, September 26 / 5:30 pm – 7:30 pm

Health Level Seven is pleased to offer certification testing on the HL7 Version 3 Reference Information Model (RIM) 2.36. Note that the RIM is the foundational base of all Version 3 artifacts. Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Version 3 RIM or its derived artifacts. 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 self-study of the RIM and its associated normative structural

vocabulary, as well as through participation in the HL7 working group meetings, HL7 education sessions, and field work implementing HL7 Version 3 artifacts. Please refer to the Study Guide on the HL7 Training and Certification page of the HL7 website for details on the content covered by the test.

Note: Simply taking the courses offered at this meeting will most likely not be sufficient to pass the test. We strongly recommend a combination of the aforementioned to fully prepare yourself for the test.

TRACK 3—HL7 SPECIAL TOPICS

M1 – Introduction to HL7 FHIR*

Monday, September 23 / 1:45 pm – 5:00 pm



FHIR (Fast Healthcare Interoperability Resources) is the newest healthcare interoperability standard offered by HL7, providing domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is aimed at those who want to learn more about FHIR, what it can do and how their organization might best take advantage of it.

This Tutorial Will Benefit:

- Analysts, vendors, and project managers

Upon Completion of This Tutorial, Students Will Be Able to:

- Explain the main principles underlying the FHIR methodology
- Describe the characteristics of a FHIR resource and understand the contents of a resource definition
- Understand the relationship between FHIR and other HL7 standards such as Version 2, Version 3 messaging and CDA
- List some of the key FHIR infrastructure resources and explain how they are used to support the four FHIR interoperability paradigms
- Help their organization to determine if, when, where and how they might implement FHIR

Faculty:

Lloyd McKenzie, PEng: Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Principal Consultant, LM&A Consulting Ltd.

M2 – Standards for Interoperability

Monday, September 23 / 1:45 pm – 5:00 pm

This tutorial provides a survey of the healthcare interoperability standards landscape, pointing out the main features of the terrain and how they link together to perform

useful functions. The tutorial has three main parts covering (1) messaging standards such as HL7 Version 2 and Version 3, (2) clinical document standards such as CDA, CCD®, CCR and IHE XDS, and (3) terminology standards, such as SNOMED CT and LOINC. It explains how and why these were developed and their complementary roles, each best suited to particular tasks.

In the time available, the treatment of each standard is necessarily brief, but this tutorial will provide an introduction to other more detailed tutorials.

This Tutorial Will Benefit:

- Relative newcomers to health interoperability, who are still unsure about how everything fits together

Upon Completion of This Tutorial, Students Will Know:

- How the main healthcare interoperability standards relate to each other and which is most suited for particular roles

Faculty:

Diego Kaminker: Affiliate Director, HL7 International Board of Directors; Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 eLearning Course, Argentina; Chief Developer and Manager, Kern-IT SRL

T6 – FHIR for Software Developers

Tuesday, September 24 / 9:00 am – 12:30 pm



This tutorial delves deeper into the infrastructure parts of the FHIR specification. Get insight in how to design, develop and test software that uses the FHIR interoperability standard, all the way from the wire-format up to validation and storage.

This Tutorial Will Benefit:

- Software developers, team leads, and infrastructure architects

Upon Completion of This Tutorial, Students Will:

- Understand how resources align with object-oriented and other common software-engineering principles
- Be able to list the four of interoperability paradigms supported by FHIR
- Understand the FHIR REST service operations and how to implement them
- Understand how the Atom, Xml and JSON wire formats are used in FHIR
- Understand versioning and bundles
- Compare strategies for using object models, validation and (de)serialization
- Use relational or document-oriented storage for persistence of resources
- Understand how to implement search functionality
- Know and use the provided reference implementations

Prerequisites:

- An Introduction to HL7 FHIR

Faculty:

Ewout Kramer: Chief Architect and Manager of Research and Development, Furore

TH17 – Electronic Health Record System Functional Model

Thursday, September 26 / 9:00 am – 12:30 pm

This informative tutorial and review provides an in-depth look at the American National Standards Institute (ANSI) and International Organization for Standardization (ISO) approved EHR System Functional Model (EHR-S FM), Release 1. The EHR-S FM includes conformance criteria, along with background information, including an overview of other EHR standards initiatives. The tutorial will also cover ongoing EHR Work Group projects such as the Personal Health Record, EHR Glossary, functional profiles, and the EHR Interoperability Model as well as EHR industry-related information such as EHR system certification efforts and health care information technology standards selection and usage efforts.

This Tutorial Will Benefit:

- Those seeking information on functionality and standardization of electronic health records
- This tutorial focuses on EHR system functionality and will be helpful for those looking to implement EHR systems, those wishing to evaluate EHR systems, or those that have an interest in garnering a bit of EHR system industry background information

Upon Completion of This Tutorial, Students Will Know:

- Background and status of the EHR System Functional Model as an ANSI and International Organization for Standardization (ISO) standard
- Options to use the functional model for conformance and care setting profiles
- Background and status on HL7 and industry projects supporting EHR standards

Note: This tutorial focuses on functionality, not interoperability. While interoperability is a component of functionality, this tutorial is primarily focused on core functionality and not systems integration. The EHR-S is a functional standard and not a records/data standard.

Faculty:

Pat Van Dyke: Director-at-Large, HL7 International Board of Directors; Co-Chair, HL7 Electronic Health Records Work Group; Co-Chair, Structure & Semantic Design Steering Division — HL7 Technical Steering Committee; Member, HL7 Finance Committee; Vocabulary Facilitator, Electronic

Health Records Work Group; Delta Dental Plans Association; The ODS Companies

TH19 – TermInfo – Using Standard Terminologies with HL7 Information Models

Thursday, September 26 / 1:45 pm – 5:00 pm

The HL7 TermInfo 2 Project is specifying and updating standard guidelines for the interface between terminologies and HL7 information models. This tutorial looks at the way that both the standard terminologies and information models contribute to meeting the requirements of semantic interoperability in representing and communicating clinical information. The focus of the tutorial is using SNOMED CT in HL7 Version 3. However, the principles are more broadly applicable, and additional examples will be drawn from Version 2, CDA, and FHIR models, and the LOINC terminology, as they are being addressed in work toward future versions of the TermInfo standard. The relevant features of SNOMED CT are outlined and the gaps and overlaps between SNOMED CT and the HL7 Reference Information Model (RIM) regarding complete and unambiguous representation of meaning are summarized. This content is based on the current guidance from and proposed updates to the TermInfo Draft Standard for Trial Use (DSTU).

This Tutorial Will Benefit:

- Anyone interested in reproducible, processable communication of meaningful clinical information
- Anyone wishing to apply the HL7 TermInfo guidelines within an HL7 domain committee or an implementation of HL7 standards

Upon Completion of This Tutorial, Students Will Know:

- The primary ways in which representation of meaning in information models and terminologies may interact and overlap
- The key specific semantic properties of SNOMED CT related to use with information models
- The general principles that can be applied to information models and terminologies to minimize ambiguity and ensure an effective, meaningful and processable representation of clinical information
- The specific recommendations from and proposed updates to the TermInfo DSTU

Prerequisites:

- Familiarity with one or more standard information models (including, but not limited to, HL7 V3, V2, CDA, and FHIR, openEHR Archetypes, CIMI)
- Familiarity with one or more standard clinical terminologies (including, but not limited to, SNOMED CT, LOINC)
- Preferably bring issues or questions that you have encountered in using information models and terminologies together to represent and communicate clinical information

Faculty:

Rob Hausam: Co-Chair, HL7 Vocabulary Work Group; Co-Chair, HL7 Orders and Observations Work Group; TermInfo 2 Project Leader; Principal, Hausam Consulting

TRACK 4—MEANINGFUL USE**M3 – Quality Reporting Document Architecture**

Monday, September 23 / 1:45 pm – 5:00 pm



This tutorial will describe constraints on the Clinical Document Architecture Release 2 (CDA R2) header and body elements for Quality Reporting Document Architecture (QRDA) documents. QRDA is a document format that provides a standard structure with which to report quality measure data to organizations that will analyze and interpret the data. Quality measurement in healthcare is complex. Accurate, interpretable data efficiently gathered and communicated is key in correctly assessing that quality care is delivered.

The standard has been named as one of the requirements for EHR certification in the Meaningful Use Stage 2/3 Standards certification criteria.

This Tutorial Will Benefit:

- Users, implementers and developers of health IT solutions that need to integrate with patient or clinician focused reference content

Upon Completion of This Tutorial, Students Will Know:

- Use a standard structure with which to report quality measure data to organizations that will analyze and interpret the data

Faculty:

Robert Dolin, MD, FHL7: Chair-Elect, HL7 International Board of Directors; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Physician; President and Chief Medical Officer, Lantana Consulting Group

T9 – Immunization Messaging Using HL7 Version 2.5.1

Tuesday, September 24 / 1:45 pm – 5:00 pm



The CDC Immunization Implementation Guide is based upon HL7 Version 2.5.1. It is designed to support communication of immunization data between health information systems, such as EHR systems and Immunization Information Systems (IIS). The audience for this tutorial is implementers and developers of health IT solutions, and interface engineers that need to integrate EHR's with immunization information systems.

This Tutorial Will Benefit:

- Implementers and developers of health IT solutions
- Interface engineers that need to integrate EHRs with ambulatory reporting systems

Upon Completion of This Tutorial, Students Will Know:

- The core data elements of immunization histories that should be supported
- The use cases supported by the messages in the implementation guide
- How to conform to the usage guidance in the implementation guide
- The differences between this guide and previous implementation guides that had been in use
- How to validate conformance of messages to the guide

Faculty:

Rob Savage: Co-Chair, HL7 Public Health and Emergency Response Work Group; Senior Information Technologist, Northrop Grumman

W12 – Introduction to Integrating the Healthcare Enterprise

Wednesday, September 25 / 9:00 am – 12:30 pm



Integrating the Healthcare Enterprise (IHE) is an organization devoted to the promotion of standards-based interoperability in healthcare. The goal of IHE is to improve the effectiveness and efficiency of healthcare provider organizations, and the system developers that support them, through the value proposition of interoperability standards. The IHE process is use case driven, and includes development of implementation guides, hosting industry-wide interoperability testing events (Connectathons), and public demonstrations (such as the HIMSS Interoperability Showcase). IHE is a public-private collaboration of over 400 organizations, including professional societies, government agencies, standards developing organizations (including HL7), health IT system vendors and implementers. It operates through a dozen specialty domains and across all regions of the world; its profiles form the basis for many interoperability efforts at the departmental, institutional, regional, national, and international levels.

This tutorial will provide an overview of the IHE organization and its processes, the scope of use cases (profiles) addressed, and how those Profiles are being used in real world implementations.

This Tutorial Will Benefit:

- Users of health IT systems (clinicians, public health, researchers) who have interoperability use cases that need to be addressed
- Healthcare administrators, system purchasers, and policy makers who need to understand the scope of what is available for interoperability, and how to leverage IHE

- profiles for effective system specification and procurement
- Product managers, software developers, and integration specialists for clinical information systems that need to interoperate with other systems

Upon Completion of This Tutorial, Students Will Understand:

- The value proposition for standards-based interoperability, and the challenges to implementation
- The IHE process for use case driven interoperability specification, testing, and deployment
- The IHE integration profiles for intra-institutional and cross-enterprise data exchange

Faculty:

Harry Solomon: Co-Chair, HL7 Imaging Integration Work Group; Interoperability Architect, GE Healthcare

TH18 – Consolidated CDA

Thursday, September 26 / 9:00 am – 12:30 pm



This tutorial will provide an overview of the clinical documents supported by the CDA Consolidation guide, including:

- Continuity of Care Document 1.1
- History and Physical
- Consult Note
- Discharge Summary
- Diagnostic Imaging Report
- Procedure Note
- Operative Note
- Progress Note
- Unstructured Document

This Tutorial Will Benefit:

- Users of systems designed to provide documentation of clinical encounters in a healthcare setting
- Administrators, system purchasers and policy makers in both the inpatient and outpatient setting who need to understand the HL7 specifications for clinical documentation used in those settings
- Product managers, software developers and integration specialists who are responsible for implementing solutions for clinical documentation

Upon Completion of This Tutorial, Students Will Know:

- History of and need for the CDA Consolidation Project
- How to read and understand the implementation guide
- Similarities and differences across document types in the guide
- Use cases for each of the document types

Faculty:

Keith Boone: Director-at-Large, HL7 International Board of Directors; Lead Interoperability Systems Designer, GE Healthcare IT

TH20 – HL7 Standards for Meaningful Use

Thursday, September 26 / 1:45 pm – 5:00 pm



Under the 2009 US American Recovery & Reinvestment Act (ARRA) regulation, the Health Information Technology for Economic and Clinical Health (HITECH) section legislated that eligible healthcare professionals and hospitals can qualify for Medicare and Medicaid incentive payments when they adopt certified EHR Technology and use it to achieve specified objectives. One of the two regulations announced defines the “Meaningful Use” objectives that providers must meet to qualify for the bonus payments, and the other regulation identifies the technical capabilities required for certified EHR Technology (“ONC HIT Certification Program”).

The Key Components of the Meaningful Use Objectives Are:

- Tracking key patient-level clinical information in order to give health providers clear visibility into the health status of their patient populations
- Applying clinical decision support designed by health care providers to help improve adherence to evidence-based best practices
- Executing electronic healthcare transactions (prescriptions, receipt of drug formulary information, eligibility checking, lab results, basic patient summary data exchange) with key stakeholders
- Reporting a focused set of meaningful care outcomes and evidence-based process metrics (for example, the percentage of patients with hypertension whose blood pressure is under control), which will be required by virtually any conceivable new value-based payment regimes

Evidence of Meaningful Use provides financial incentives to “Eligible Providers” and “Eligible Hospitals” over a five year period: 2011 to 2015. For example, maximum EHR implementation reimbursement available to an individual eligible provider under Medicare is \$44,000 and under Medicaid is \$63,500; for eligible hospitals it is a \$2M base payment. Additional clarifications (including exceptions) will be explained during the tutorial.

The Medicare and Medicaid EHR Incentive Programs are staged in three steps (Stage 1, Stage 2 & Stage 3) with increasing requirements for participation. Stage 1 requirements were published in November 2010 and Stage 2 in August 2012. Stage 3 requirements will be published in 2013. Additional details on the various Stages will be provided during the tutorial.

This Tutorial Will Benefit:

- Providers and hospitals in the US who are eligible to receive the financial incentives under the legislation
- Consultants and Companies who are providing Meaningful Use technical assistance to eligible providers and hospitals
- EHR vendors who are new to “Meaningful Use” requirements (please review the MU Track 4 tutorials for targeted training)

- Countries that are considering the introduction of national incentives to encourage EHR adoption

Upon Completion of This Tutorial, Students Will Know:

- What Meaningful Use is, who defined it, and what it means
- How it is relevant and related to HL7
- Which HL7 standards are mentioned in the Meaningful Use regulations

Prerequisites:

- Standards for Interoperability tutorial

Faculty:

Gora Datta: HL7 Corporate Member; HL7 Ambassador; Co-Chair, HL7 Mobile Health Work Group; Group Chairman & CEO, CAL2CAL Corporation

TRACK 5—INFORMATION FORUMS

F1/F4 – HL7 First-Time Attendees' Orientation – FREE TUTORIAL

Sunday, September 22 / 4:00 pm – 5:00 pm

Monday, September 23 / 7:00 am – 8:00 am

This is a special orientation session for first-time attendees. It will give those new to HL7 the lay of the land and help ensure they get the very most out of their first working 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.

Faculty:

Ken McCaslin, FHL7: Co-Chair, HL7 Electronic Services Work Group; Co-Chair, HL7 Orders and Observations Work Group; Director, HealthCare Standards, Quest Diagnostics

Patrick Loyd: Co-Chair, Technical and Support Services Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Education Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

F2 – HL7 Organization and Process Orientation/ Introduction – FREE TUTORIAL

Sunday, September 22 / 5:00 pm – 6:00 pm

This session provides a brief history of the HL7 organization and answers the question “What is HL7?” An overview of the current work group structure and content domains will be presented. Attendees will learn the formal work group process and protocol and how to effectively participate in the work of the work groups. This tutorial was added at

the request of first-time attendees seeking to gain deeper knowledge of the organization and its work processes.

Faculty:

John Quinn: HL7 Chief Technology Officer

F3/F5 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL

Sunday, September 22 / 5:00 pm – 6:00 pm

Wednesday, September 25 / 7:00 am – 8:00 am

This is an information session which introduces design and delivery of HL7 tutorials and provides tools and resources to assist in these tasks. The course will assist in production of focused, outcome driven educational activities.

This Tutorial Will Benefit:

- Anyone who delivers or intends to deliver or develop tutorial information for HL7

Upon Completion of This Tutorial, Students Will Understand:

- The need to identify appropriate content and methodology to meet stakeholder need
- How to develop of competencies to meet need
- How to identify expected background of learners
- What a learning plan needs to contain, breaking content into defined timeslots and identified resources/exercises
- Delivery methods and assessment methods and tools
- The need to measure assessment and content against competencies
- How to prepare proposal for HL7 education
- How to undertake basic tutorial quality review

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; Convenor ISO WG3-Semantic Content; Member IHTSDO Quality Assurance Committee and Education SIG; Chair-Standards Australia Health Informatics Committee (IT 14), Australia

F6 – Newly Elected Co-Chair Training – FREE TUTORIAL

Thursday, September 26 / 7:00 am – 8:00 am

This session is intended for newly elected work group co-chairs. The purpose of the session is to introduce the co-chair responsibilities, review work group and balloting procedures, share tips on managing a work group, provide a framework for common operation among all work groups, and general Q&A session.

Faculty:

Karen Van Hentenryck: HL7 Associate Executive Director

Health Professionals: Get Engaged with HL7 Standards Development & Implementation Ambassador Program

Monday, September 23 • 1:45 - 5:00 pm

FREE

Health professionals in care delivery organizations are using HL7 standards in many workflows of their daily environment, whether those standards are embedded in EHR systems, mobile devices, quality metrics, clinical decision support routines, or in the clinical data that they exchange with other systems both within and outside their organization. The Health Professional membership category allows those health professionals to become involved in the HL7 development process, learn the range of HL7 standards that exist, including those specified in the upcoming stages of Meaningful Use, and see over the horizon those HL7 standards that will be the future of HIT optimization and care delivery. It is an opportunity as well to learn about other

standards development organizations and their relationships and increasing collaborations with one another in developing the clinical data standards of the future.

This session will give insights into the benefits of participation in the HL7 development processes, networking and collaboration with HL7 experts, and the chance to influence the interoperability standards of the future. The HL7 Health Professional Membership category brings the opportunity to contribute to the standards that will improve care coordination and health care quality in the future, make health professionals more informed purchasers of technology, and more valuable to their organizations.

Introduction to Security and Privacy

Wednesday, September 25 • 1:45 – 5:00 pm

FREE

This session will focus on how to apply security and privacy to health IT standards. It will cover the basics of security and privacy using real-world examples. The session will explain how each phase of design needs to consider risks to security and privacy to best design security and privacy in, and mechanisms for, flowing risks down to the next phase of design. In addition, it will cover the security and privacy relevant standards that HL7 has to offer including: Role-

Based-Access-Control Permissions, Security/Privacy ontology, Confidentiality Code, CDA Consent Directive, Access Control Service, Audit Control Service, and others. These standards and services will be explained in the context of providing a secure and privacy protecting health IT environment.

TUTORIALS AT A GLANCE

Topic	Class ID	Instructor	SUN PM	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM	THU PM
Track 1—Version 2.x											
Introduction to Version 2, Part 1: Control/Patient Administration	T4	Buitendijk				★					
Introduction to Version 2, Part 2: Orders and Observations	T7	Henderson					★				
Version 2 Message Profiles and Conformance	W10	Klein						★			
Version 2.7 Control Specialist Certification Test Preparation	W13	Loyd							★		
HL7 Version 2.7 Control Specialist Certification Test	TH21	HL7 Staff									5:30-7:30
Track 2—Version 3 and CDA											
Introduction to Version 3, Part 1: Foundations	T5	Shakir				★					
Introduction to Version 3, Part 2: Messaging	T8	Shakir					★				
Introduction to Clinical Document Architecture	W11	Marquard/Geimer						★			
Version 3 XML ITS for CDA	W14	Heitmann							★		
Clinical Document Architecture – Advanced	W15	Dolin/Beebe							★		
CDA® Specialist Certification Test Preparation	TH16	Beebe								★	
HL7 CDA Specialist Certification Test	TH22	HL7 Staff									5:30-7:30
HL7 Version 3 RIM Certification Test	TH23	HL7 Staff									5:30-7:30
Track 3—HL7 Special Topics											
★ Introduction to HL7 FHIR	M1	McKenzie			★						
Standards for Interoperability	M2	Kaminker			★						
★ FHIR for Software Developers	T6	Kramer				★					
Electronic Health Record System Functional Model	TH17	Van Dyke								★	
TermInfo – Using Standard Terminologies with HL7 Information Models	TH19	Hausam									★
Track 4—Meaningful Use											
★ Quality Reporting Document Architecture	M3	Dolin			★						
★ Immunization Messaging Using HL7 Version 2.5.1	T9	Savage					★				
★ Introduction to Integrating the Healthcare Enterprise	W12	Solomon						★			
★ Consolidated CDA	TH18	Boone								★	
★ HL7 Standards for Meaningful Use	TH20	Datta									★
Track 5—Information Forums – FREE TUTORIALS											
First-Time Attendees' Orientation	F1/F4	McCaslin/Loyd	4:00-5:00	7:00-8:00							
Organization and Process Orientation/Introduction	F2	Quinn	5:00-6:00								
How to Design and Deliver an HL7 Tutorial	F3/F5	Grain	5:00-6:00					7:00-8:00			
Newly Elected Co-Chair Training	F6	Van Hentenryck								7:00-8:00	

MEETINGS AT A GLANCE

Meetings Only—No Joint Sessions Listed

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Activities with Other SDOs		Q4										
Affiliate Due Diligence Committee				Q4								
Anatomic Pathology					★	★						
Anesthesia				★	★	Q3	★					
Architectural review Board	★	★		Q3	Q2	Q4				★		
Arden Syntax					★	★						
Attachments				★	★	★	★	★	★			
Board of Directors' Meeting					★	★						
Child Health						★	★					
Clinical Decision Support							Q2	Q4	Q2	★		
Clinical Genomics						Q4	Q2	Q3	Q1			
Clinical Interoperability Council						Q4		★	★	★		
Clinical Quality Information				★	Q1	★	Q2	★	★	★		
Clinical Statement										★		
Co-Chair Information				Lunch & 5:15-7:00		Lunch			7:00-7:45			
Community Based Collaborative Care				★		★	Q2	★				
Conformance & Guidance for Implementation/Testing				★	★	Q4		Q4				
Education				Lunch/Meeting & ★					★			
Electronic Health Records				★	★	★	★	★	★	★		
Electronic Services									★			
Emergency Care								★	Q1	★	★	
Fast Healthcare Interoperability Resources					Q1			Q4		Q4	Q1	
Financial Management		Q4						★				
First-Time Attendees' Orientation		4:00-5:00	7:00-8:00	Lunch		Lunch						
Foundation Task Force								Q3				
Fresh Look Task Force				Q4								
General Session					8:00-8:45		8:00-8:45		8:00-8:45		No General Session	
Governance & Operations Committee							Q2					
GS1 Education Session					7:00-7:45							
Health Care Devices				★	★	★	★	★	★	★	★	Q3
Health Professionals: Get Engaged with HL7 Standards Development & Implementation				★								
Imaging Integration							Q2	★	★	★		
Implementable Technology Specification				★			★		★	★		

MEETINGS AT A GLANCE

Meetings Only—No Joint Sessions Listed

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Infrastructure & Messaging					★	★		Q4				
International Council	★	Lunch & Q3								12:30-5:00		
International Mentoring Committee		Q4										
Mobile Health							★	★				
Modeling & Methodology		Q3			★		★	Q3	★	5:30-8:00	Q2	
Networking Reception								5:15-7:00				
Nurses Breakfast/Meeting					7:00-8:00							
Open Space Meetings (Self Organized)				6:00-8:00		6:00-8:00						
Orders & Observations				★	★	★	★	★	★		Q1	
Organization and Process Orientation/Introduction		5:00-6:00										
Patient Administration				★	★	★	★	★	★	★		
Patient Care				★	★	★	Q1	★	★			
Pharmacy				★	Q1	★	Q1	★	★	★	★	
Physicians Breakfast/Meeting							7:00-8:00					
Plenary Meeting			8:30-12:30									
Policy Advisory Committee							Q1					
Process Improvement Committee									Q1			
Product Line Architecture								Q3				
Project Services										Q3		
Public Health Emergency Response				Q3	★	★		★	Q2	★		
Publishing							Q1-V2	Q3-V2 Q3-V3			Q2-V3	
Regulated Clinical Research Information Management				Q4	★		★		Q1	Q4		
RIM Based Application Architecture				Q3				Q4		Q3		
SAIF Architecture Program								Q4				
Security					★	★		★	★	★		
Services Oriented Architecture				★	Q1	★	Q2	★	Q2	★		
Steering Divisions: Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services				7:00-8:30								
Structured Documents				★	★	★	★	Q4	Q1	★	★	
TSC Meetings (Note: There is also a meeting scheduled for Saturday, 9/21, 9:00-5:00 pm)		5:15 – 6:30						Lunch/Meeting				
Templates				Q3							★	
Tooling					★	7:00-9:00			★			
Vocabulary		★		★	★	★			★	★	★	

REGISTRATION HOURS

Sunday	8:30 – 5:00 pm	Registration
Monday – Tuesday	7:00 – 5:00 pm	Registration
Wednesday – Thursday	7:30 – 5:00 pm	Registration
Friday	8:00 – 1:00 pm	Staff on Hand for Assistance

MEALS AND BREAKS

Monday – Thursday	7:30 – 8:30 am	Continental Breakfast
Friday	8:00 – 9:00 am	Continental Breakfast
Monday	10:15 – 10:45 am	Morning Break
Tuesday – Friday	10:30 – 11:00 am	Morning Break
Monday – Friday	12:30 – 1:30 pm	Lunch
Monday – Thursday	3:00 – 3:30 pm	Afternoon Break

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

GENERAL SESSION ROOM

Please plan to attend the Monday morning Plenary Meeting and General Sessions Tuesday through Thursday for daily highlights, meeting announcements and changes.

Monday	8:00 – 12:30 pm	Plenary Meeting
Tuesday	8:00 – 8:45 am	HL7 CEO, CTO, International Council and TSC Reports, Announcements
Wednesday	8:00 – 8:45 am	HL7 Annual Business Meeting, Awards Presentations, Announcements
Thursday	8:00 – 8:45 am	Announcements
Friday	NO GENERAL SESSION	

Meeting times and locations are subject to change.

MEETINGS

ACTIVITIES WITH OTHER SDOs

Sunday	3:30 – 5:00 pm	MEETING
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AFFILIATE DUE DILIGENCE COMMITTEE

Monday	3:30 – 5:00 pm	MEETING
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ANATOMIC PATHOLOGY (AP)

Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/O&O, II, Clin Gen

ANESTHESIA (GAS)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/Dev
Wednesday	9:00 – 12:30 pm	MEETING

ARCHITECTURAL review BOARD (ArB)

Sunday	9:00 – 5:00 pm	MEETING
Monday	1:45 – 3:00 pm	MEETING
Tuesday	11:00 – 12:30 pm	MEETING
	3:30 – 5:00 pm	MEETING
Thursday	1:45 – 5:00 pm	MEETING

ARDEN SYNTAX (AS)

Tuesday	9:00 – 5:00 pm	MEETING
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ATTACHMENTS

Monday	1:45 – 5:00 pm	MEETING
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING

BOARD OF DIRECTORS' MEETING

Tuesday	9:00 – 5:00 pm	MEETING
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CHILD HEALTH (CH)

Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING

CLINICAL DECISION SUPPORT (CDS)

Wednesday	9:00 – 10:30 am	Joint w/SD
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/CQI, SD
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/O&O
	11:00 – 5:00 pm	MEETING

CLINICAL GENOMICS (Clin Gen)

Tuesday	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/O&O, II, AP
	11:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/FHIR
Thursday	9:00 – 10:30 am	MEETING

CLINICAL INTEROPERABILITY COUNCIL (CIC)

Tuesday	11:00 – 12:30 pm	Joint w/EHR, CQI
	3:30 – 5:00 pm	MEETING
Wednesday	11:00 – 12:30 pm	Joint w/EHR, PHER
	1:45 – 5:00 pm	Hosting: RCRIM
Thursday	9:00 – 5:00 pm	MEETING

CLINICAL QUALITY INFORMATION (CQI)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/EHR, CIC
	1:45 – 5:00 pm	MEETING
Wednesday	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: CDS, SD
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

CLINICAL STATEMENT (CS)

Thursday	1:45 – 5:00 pm	Hosting: O&O
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MEETINGS

CO-CHAIR INFORMATION

Monday	5:15 – 7:00 pm	Co-Chairs Dinner/Meeting
(Open Meeting, however open for dinner ONLY to Co-Chairs. Co-Chairs MUST register if you wish to attend the dinner/meeting)		
Monday – Tuesday	12:30 – 1:30 pm	Lunch tables reserved for Co-Chairs
Thursday	7:00 – 7:45 am	Newly Elected Co-Chair Training

COMMUNITY BASED COLLABORATIVE CARE (CBCC)

Monday	1:45 – 5:00 pm	Hosting: Sec
Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/EHR, Sec, SOA, FHIR
	11:00 – 12:30 pm	Hosting: Sec
	1:45 – 5:00 pm	MEETING

CONFORMANCE & GUIDANCE FOR IMPLEMENTATION/TESTING (CGIT)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/InM
	3:30 – 5:00 pm	MEETING
Wednesday	3:30 – 5:00 pm	Hosting: FHIR, Templates
Thursday	9:00 – 10:30 am	Joint w/Voc

DICOM WG27

Thursday	9:00 – 12:30 pm	Joint w/II
	1:45 – 5:00 pm	Joint w/II, FHIR

EDUCATION

Monday	12:30 – 1:30 pm	Education Facilitators' Roundtable Luncheon/Meeting
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: IMC
Thursday	9:00 – 12:30 pm	MEETING

ELECTRONIC HEALTH RECORDS (EHR)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: MH
	11:00 – 12:30 pm	Hosting: CQI, CIC
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: Sec, CBCC, SOA, FHIR
	11:00 – 12:30 pm	Hosting: PHER, CIC
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

ELECTRONIC SERVICES (ES)

Thursday	9:00 – 12:30 pm	MEETING
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EMERGENCY CARE (EC)

Wednesday	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/PHER
	1:45 – 5:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

FAST HEALTHCARE INTEROPERABILITY RESOURCES (FHIR)

Sunday	12:30 – 1:30 pm	FHIR Governance Board Luncheon/Meeting
Monday	1:45 – 5:00 pm	Joint w/ITS, MnM

Tuesday	9:00 – 10:30 am	FHIR Governance Board
	1:45 – 3:00 pm	Joint w/Pharm
	3:30 – 5:00 pm	Joint w/InM
	3:30 – 5:00 pm	Joint w/PHER
Wednesday	9:00 – 10:30 am	Joint w/EHR, Sec, CBCC, SOA,
	9:00 – 12:30 pm	Joint w/MnM, Voc
	11:00 – 12:30 pm	Joint w/O&O
	1:45 – 3:00 pm	Joint w/FM
	1:45 – 3:00 pm	Joint w/MnM
	3:30 – 5:00 pm	Hosting: Clin Gen
	3:30 – 5:00 pm	Joint w/Dev
	3:30 – 5:00 pm	Joint w/CGIT, Templates
Thursday	11:00 – 12:30 pm	Joint w/O&O
	1:45 – 5:00 pm	Joint w/II, DICOM WG27
	1:45 – 3:00 pm	Joint w/SD
	3:30 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	FHIR Management Group and Governance Board
	11:00 – 12:30 pm	Joint w/MnM

FINANCIAL MANAGEMENT (FM)

Sunday	3:30 – 5:00 pm	MEETING
Wednesday	1:45 – 3:00 pm	Hosting: FHIR
	3:30 – 5:00 pm	MEETING

FIRST-TIME ATTENDEES' MEETINGS

Sunday	4:00 – 5:00 pm	ORIENTATION MEETING
Monday	7:00 – 8:00 am	ORIENTATION MEETING
	12:30 – 1:30 pm	Lunch Tables Reserved for Q & A
Tuesday	12:30 – 1:30 pm	Lunch Tables Reserved for Q & A

FOUNDATION TASK FORCE

Wednesday	1:45 – 3:00 pm	MEETING
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FRESH LOOK TASK FORCE

Monday	3:00 – 5:00 pm	MEETING
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GOVERNANCE AND OPERATIONS COMMITTEE (GOC)

Wednesday	11:00 – 12:30 pm	MEETING
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GS1 EDUCATION SESSION

Tuesday	7:00 – 7:45 am	Fundamentals and latest updates regarding product identification (Identification management, UDI, serialization, etc.)
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HEALTH CARE DEVICES (Dev)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: GAS
Wednesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR
Thursday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: MH
Friday	9:00 – 3:00 pm	MEETING

HEALTH PROFESSIONALS: GET ENGAGED WITH HL7 STANDARDS DEVELOPMENT & IMPLEMENTATION AMBASSADOR PROGRAM

Monday	1:45 – 5:00 pm	Health Professionals, Get Engaged with HL7 Standards Development & Implementation Ambassador Program
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IMAGING INTEGRATION (II)

Wednesday	9:00 – 10:30 am	Joint w/O&O, AP, Clin Gen
	11:00 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	Hosting: DICOM WG27
	1:45 – 5:00 pm	Hosting: DICOM WG27, FHIR

IMPLEMENTABLE TECHNOLOGY SPECIFICATION (ITS)

Monday	1:45 – 5:00 pm	Hosting: MnM, FHIR
Tuesday	9:00 – 10:30 am	Joint w/SOA
	11:00 – 12:30 pm	Joint w/InM
Wednesday	9:00 – 12:30 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

INFRASTRUCTURE & MESSAGING (InM)

Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: ITS
	1:45 – 3:00 pm	Hosting: CGIT
	3:30 – 5:00 pm	Hosting: FHIR
Wednesday	3:30 – 5:00 pm	Hosting: Voc

INTERNATIONAL COUNCIL MEETING

Sunday	9:00 – 3:00 pm	MEETING
	12:30 – 1:30 pm	Lunch
Thursday	12:30 – 5:00 pm	Affiliate Chair or their Designated Rep Luncheon/Meeting

INTERNATIONAL MENTORING COMMITTEE (IMC)

Sunday	3:30 – 5:00 pm	MEETING
Monday	3:30 – 5:00 pm	Joint w/Education

MARKETING COUNCIL

Will not meet in September

MOBILE HEALTH (MH)

Tuesday	9:00 – 10:30 am	Joint w/EHR
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	3:30 – 5:00 pm	Joint w/Dev

MODELING & METHODOLOGY (MnM)

Sunday	1:45 – 3:00 pm	MEETING
Monday	1:45 – 5:00 pm	Joint w/ITS, FHIR
Tuesday	9:00 – 12:30 pm	MEETING
Wednesday	9:00 – 12:30 pm	Hosting: Voc, FHIR
	1:45 – 3:00 pm	Hosting: FHIR
Thursday	9:00 – 12:30 pm	MEETING
	5:30 – 8:00 pm	FACILITATORS' ROUNDTABLE
Friday	11:00 – 12:30 pm	Hosting: FHIR

NETWORKING RECEPTION

Wednesday	5:15 – 7:00 pm	RECEPTION
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NURSES BREAKFAST/MEETING

Tuesday	7:00 – 8:00 am	MEETING
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'OPEN SPACE' MEETINGS

Monday – Tuesday	6:00 – 8:00 pm	Open Forums – Self-organized – Sign up sheet will be on bulletin board
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ORDERS & OBSERVATIONS (O&O)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: Pharm
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: II, AP, Clin Gen
	11:00 – 12:30 pm	Hosting: FHIR
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: CDS
	11:00 – 12:30 pm	Hosting: FHIR
	1:45 – 5:00 pm	Joint w/CS
Friday	9:00 – 10:30 am	MEETING

ORGANIZATION AND PROCESS ORIENTATION/INTRODUCTION

Sunday	5:00 – 6:00 pm	ORIENTATION/INTRODUCTION
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PATIENT ADMINISTRATION (PA)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: PC
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: PHER
	11:00 – 5:00 pm	MEETING

PATIENT CARE (PC)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/PA
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: SD, Templates
Friday	9:00 – 12:30 pm	Joint w/Templates, Tooling

PHARMACY (Pharm)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/O&O
	1:45 – 3:00 pm	Hosting: FHIR
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

PHYSICIANS BREAKFAST/MEETING

Wednesday	7:00 – 8:00 am	MEETING
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MEETINGS

PLENARY MEETING

Monday 8:30 – 12:30 pm MEETING

POLICY ADVISORY COMMITTEE

Wednesday 9:00 – 10:30 am MEETING

PROCESS IMPROVEMENT COMMITTEE (PIC)

Thursday 9:00 – 10:30 am MEETING

PRODUCT LINE ARCHITECTURE PROGRAM

Wednesday 1:45 – 3:00 pm MEETING

PROJECT SERVICES

Thursday 1:45 – 3:00 pm MEETING

PUBLIC HEALTH & EMERGENCY RESPONSE (PHER)

Monday 1:45 – 3:00 pm MEETING

Tuesday 9:00 – 3:00 pm MEETING

3:30 – 5:00 pm Hosting: FHIR

Wednesday 11:00 – 12:30 pm Joint w/EHR, CIC

1:45 – 5:00 pm MEETING

Thursday 9:00 – 10:30 am Joint w/PA

11:00 – 12:30 pm Hosting: EC

1:45 – 5:00 pm MEETING

PUBLISHING

Wednesday 9:00 – 10:30 am V2 – MEETING

1:45 – 3:00 pm V2 – Hosting: Voc

1:45 – 3:00 pm V3 – MEETING

Friday 11:00 – 12:30 pm V3 – MEETING

REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)

Monday 3:30 – 5:00 pm MEETING

Tuesday 9:00 – 12:30 pm MEETING

Wednesday 9:00 – 12:30 pm MEETING

1:45 – 5:00 pm Joint w/CIC

Thursday 9:00 – 10:30 am MEETING

3:30 – 5:00 pm MEETING

RIM BASED APPLICATION ARCHITECTURE (RIMBAA)

Monday 1:45 – 3:00 pm MEETING

Tuesday 7:00 – 9:00 pm Joint w/Tooling

Wednesday 3:30 – 5:00 pm MEETING

Thursday 1:45 – 3:00 pm MEETING

SAIF ARCHITECTURE PROGRAM

Wednesday 3:30 – 5:00 pm MEETING

SECURITY (SEC)

Monday 1:45 – 5:00 pm Joint w/CBCC

Tuesday 9:00 – 5:00 pm MEETING

Wednesday 9:00 – 10:30 am Joint w/EHR, CBCC, SOA, FHIR

11:00 – 12:30 pm Joint w/CBCC

1:45 – 5:00 pm MEETING

Thursday 9:00 – 5:00 pm MEETING

SERVICES ORIENTED ARCHITECTURE (SOA)

Monday 1:45 – 5:00 pm MEETING

Tuesday 9:00 – 10:30 am Hosting: ITS

1:45 – 5:00 pm MEETING

Wednesday 9:00 – 10:30 am Joint w/ EHR, Sec, CBCC, FHIR

11:00 – 5:00 pm MEETING

Thursday 11:00 – 5:00 pm MEETING

STEERING DIVISIONS

Monday 7:00 – 8:30 pm Domain Experts
Foundation & Technology
Structure & Semantic Design
Technical & Support Services

STRUCTURED DOCUMENTS (SD)

Monday 1:45 – 5:00 pm MEETING

Tuesday 9:00 – 5:00 pm MEETING

Wednesday 9:00 – 10:30 am Hosting: CDS

11:00 – 12:30 pm MEETING

1:45 – 3:00 pm Joint w/CQI, CDS

3:30 – 5:00 pm MEETING

Thursday 9:00 – 10:30 am MEETING

11:00 – 12:30 pm Joint w/PC, Templates

1:45 – 3:00 pm Hosting: FHIR

3:30 – 5:00 pm MEETING

Friday 9:00 – 12:30 pm MEETING

TSC MEETINGS

Saturday 9:00 – 5:00 pm MEETING

Sunday 5:15 – 6:30 pm MEETING

Wednesday 12:30 – 1:30 pm Luncheon/Meeting

TEMPLATES

Monday 1:45 – 3:00 pm MEETING

Wednesday 3:30 – 5:00 pm Joint w/CGIT, FHIR

Thursday 11:00 – 12:30 pm Joint w/PC, SD

Friday 9:00 – 12:30 pm Hosting: PC, Tooling

TOOLING

Tuesday 9:00 – 12:30 pm MEETING

7:00 – 9:00 pm Hosting: RIMBAA

Thursday 9:00 – 12:30 pm MEETING

Friday 9:00 – 12:30 pm Joint w/Templates, PC

VOCABULARY (VOC)

Sunday – Monday 1:45 – 5:00 pm MEETING

Tuesday 9:00 – 5:00 pm MEETING

Wednesday 9:00 – 12:30 pm Joint w/MnM, FHIR

1:45 – 3:00 pm Joint w/V2 Publishing

3:30 – 5:00 pm Joint w/InM

Thursday 9:00 – 10:30 am Hosting: CGIT

11:00 – 5:00 pm MEETING

Friday 9:00 – 12:30 pm MEETING

Meeting times and locations are subject to change.

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

GENERAL INFORMATION

“EARLY BIRD” RATE DEADLINE

Advance meeting registration, including payment, is required by August 30, 2013 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 25-26) for a schedule of meeting fees.

TO REGISTER

Please complete the registration form on pages 25-26 and mail it (along with a check payable to Health Level Seven International in U.S. funds ONLY) to:

Health Level Seven International
3300 Washtenaw Ave., Suite #227
Ann Arbor, MI 48104 USA

If paying by credit card, the registration may be faxed to:
+1 (734) 677-6622

Online registration is also available via our website (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 September 6. 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 the 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 email. The registrant may select another tutorial or a full refund of the tutorial fee will be made. However, meeting registration fees will not be refunded.

Meeting registrants are permitted to switch their tutorial selections up until the tutorial materials are emailed to them. After that point, no exchanges will be allowed.

DRESS

The dress code is 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. Special meals are available upon request. You must register for each day's lunch on your registration form in order to receive lunch tickets.

HOTEL INFORMATION

HL7's September Plenary & Working Group Meeting will be held at The Hyatt Regency Cambridge.

The Hyatt Regency Cambridge
575 Memorial Drive, Cambridge, Massachusetts, 02139-4896
Phone Direct: +1 (617) 492-1234
Hotel Fax: +1 (617) 491-6906
Reservations: +1 (888) 421-1442
Website: www.cambridge.hyatt.com/hyatt/hotels/

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to <https://resweb.passkey.com/go/healthlevelsevenint> and simply follow the reservation instructions. For phone reservations call +1-888-421-1442. Be sure to mention Health Level Seven (HL7) to receive the discounted room rate of \$199 per night for single or double occupancy. This rate applies to both regular and government room reservations. Remember, space is limited, so reserve your room early. Discounted room rates are available only on reservations made before August 30, 2013. Room rates are subject to all applicable state and local taxes in effect at time of check in.

If you need to cancel your room reservation, please do so 72 hours (three days) prior to your arrival date, and obtain a cancellation number. If you cancel within three days you will be charged one night reservation fee.

GROUND TRANSPORTATION & PARKING

Taxi fare from the Logan International Airport to the hotel is approximately \$35. There is an airport subway that makes seven stops along the way, and drops you 1.5 miles from the hotel. There is an above ground BU Central Green Line (seven stops), and an Underground Harvard Square or Kendall Square Red Line Subway that costs \$2.50. Please visit www.mbta.com for a detailed rail map. Amtrak (Bay Station) is located 3 miles from the hotel. Amtrak also stops at South Station in the Financial District, which is approximately 5 miles from the hotel.

Parking

The special discounted group rate for overnight self-parking at the hotel is \$20 per night with in and out privileges.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING HOTEL

HL7 urges all meeting attendees to secure their hotel reservation at the HL7 Working Group Meeting Host Hotel. This 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 blocks. If you make reservations at a different hotel, HL7 risks falling short on its obligation, which translates in 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 room at our host hotel. Thank you!

MEETING REGISTRATION FORM

1. Contact Information

End of day on August 30, 2013 is the deadline for Early Bird fees and hotel registrations. All advance registrations must be received by end of day on September 6, 2013. After this date, registrations can ONLY be made on-site with payment.

First Name	Last Name	Title/Position	Organization
Address		City	State Zip
Country	Telephone	Fax	
Email	Nickname for Badge		

2. Survey & Information

I am a/an:

<input type="checkbox"/> Affiliate Chair	<input type="checkbox"/> Facilitator — Vocabulary	<input type="checkbox"/> HL7 Board Member	<input type="checkbox"/> Tutorial Speaker
<input type="checkbox"/> Facilitator — MnM	<input type="checkbox"/> Facilitator — Steering Division	<input type="checkbox"/> HL7 Work Group Co-Chair	<input type="checkbox"/> Plenary Speaker
<input type="checkbox"/> Facilitator — Publishing	<input type="checkbox"/> First-Time WGM Attendee	<input type="checkbox"/> Past Board Chair	<input type="checkbox"/> HL7 Fellow

I have been a member of HL7 for :

<input type="checkbox"/> 0-4 years	<input type="checkbox"/> 5-9 years	<input type="checkbox"/> 10-14 years	<input type="checkbox"/> 15-19 years	<input type="checkbox"/> 20+ years
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Primary employment type:

<input type="checkbox"/> Academia	<input type="checkbox"/> Consultant	<input type="checkbox"/> Government	<input type="checkbox"/> Healthcare Professional
<input type="checkbox"/> Payer	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Provider	<input type="checkbox"/> Vendor
<input type="checkbox"/> Other: _____			

☐ I am a member of an HL7 International Affiliate, employee of an HL7 organizational member or member of another eligible organization (ADA, ASC-X12, AHIP, ASTM, BioPharma Association Associate—SAFE, CEN/TC 251, CDISC, CHCF, Cientis Technologies, Inc., CLSI, CHA, DICOM, eHI, GS1, ICH, IEEE, IHE, IHTSDO, LOINC, NCPDP, OMG, The Health Story Project, WEDI) and eligible for the member rate. Please list affiliate or organization: _____

☐ I am a full time student. University attending: _____ Student # _____

Meal Requirements: ☐ Diabetic ☐ Regular ☐ Vegetarian ☐ Other: _____

☐ I plan to attend the International Council Meeting (Sunday).

Deadline for Discounted Rates: Payment must be received by August 30, 2013 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.

Payment Policy: Registrations for the meeting can only be paid for in US currency.

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:

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 Attendees' Orientation or the Organization and Process Orientation/Introduction.

Monday – Friday Option:

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: \$ _____

FHIR Connectathon:

☐ \$50 ☐ \$50 ☐ \$50 ☐ \$50 \$ _____

HL7 Fellows Dinner/Meeting:

☐ \$45 ☐ \$45 \$ _____

Members		Non-Members		Amount Due
Before 8/30	After 8/30	Before 8/30	After 8/30	
<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> \$770	<input type="checkbox"/> \$1,045	<input type="checkbox"/> \$1,045	<input type="checkbox"/> \$1,350	\$ _____
<input type="checkbox"/> \$220/day	<input type="checkbox"/> \$290/day	<input type="checkbox"/> \$290/day	<input type="checkbox"/> \$360/day	\$ _____

Mail/Overnight
Health Level Seven International
3300 Washtenaw Ave., Suite #227
Ann Arbor, MI 48104 USA

Fax
+1 (734) 677-6622

Online
www.HL7.org

MEETING REGISTRATION FORM

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

SUNDAY

- ☐ **Track 5 – Information Forums:** First-Time Attendees' Orientation – **FREE TUTORIAL (F1)** — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 5 – Information Forums:** Organization and Process Orientation/Introduction – **FREE TUTORIAL (F2)** — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 5 – Information Forums:** How to Design and Deliver an HL7 Tutorial – **FREE TUTORIAL (F3)** — Must sign up to attend this tutorial (Please check the box.)

MONDAY

Morning Sessions

- ☐ **Track 5 – Information Forums:** First Time Attendees' Orientation – **FREE TUTORIAL (F4)** — Must sign up to attend this tutorial (Please check the box.)

Afternoon Sessions

- | | Members
Before
8/30 | Members
After
8/30 | Non-Members
Before
8/30 | Non-Members
After
8/30 | AMOUNT DUE |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| ★ Track 3 – Special Topics: Introduction to HL7 FHIR (M1) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 3 – Special Topics: Standards for Interoperability (M2) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| ★ Track 4 – Meaningful Use: Quality Reporting Document Architecture (M3) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

TUESDAY

Morning Sessions

- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1 – Version 2.x: Introduction to Version 2, Part 1: Control/Patient Administration (T4) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 2 – Version 3 and CDA: Introduction to Version 3, Part 1: Foundations (T5) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| ★ Track 3 – Special Topics: FHIR for Software Developers (T6) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

Afternoon Sessions

- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1 – Version 2.x: Introduction to Version 2, Part 2: Orders and Observations (T7) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 2 – Version 3 and CDA: Introduction to Version 3, Part 2: Messaging (T8) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| ★ Track 4 – Meaningful Use: Immunization Messaging Using HL7 Version 2.5.1 (T9) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

WEDNESDAY

Morning Sessions

- ☐ **Track 5 – Information Forums:** How to Design and Deliver an HL7 Tutorial – **FREE TUTORIAL (F5)** — Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1 – Version 2.x: Version 2 Message Profiles and Conformance (W10) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 2 – Version 3 and CDA: Introduction to Clinical Document Architecture (W11) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| ★ Track 4 – Meaningful Use: Introduction to Integrating the Healthcare Enterprise (W12) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

Afternoon Sessions

- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1 – Version 2.x: Version 2.7 Control Specialist Certification Test Preparation (W13) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 2 – Version 3 and CDA: Version 3 XML ITS for CDA (W14) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 2 – Version 3 and CDA: Clinical Document Architecture – Advanced (W15) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

THURSDAY

Morning Sessions

- ☐ **Track 5 – Information Forums:** Newly Elected Co-Chair Training – **FREE TUTORIAL (F6)** – Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 2 – Version 3 and CDA: CDA® Specialist Certification Test Preparation (TH16) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 3 – Special Topics: Electronic Health Record System Functional Model (TH17) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

Afternoon Sessions

- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| ★ Track 4 – Meaningful Use: Consolidated CDA (TH18) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| Track 3 – Special Topics: Terminology – Using Standard Terminologies (TH19) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |
| ★ Track 4 – Meaningful Use: HL7 Standards for Meaningful Use (TH20) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | \$ _____ |

Evening Sessions

- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1 – Version 2.x: Version 2.7 Control Specialist Certification Test (TH21) | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$350 | <input type="checkbox"/> \$350 | \$ _____ |
| Track 2 – Version 3 and CDA: CDA Specialist Certification Test (TH22) | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$350 | <input type="checkbox"/> \$350 | \$ _____ |
| Track 2 – Version 3 and CDA: Version 3 RIM Certification Test (TH23) | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$350 | <input type="checkbox"/> \$350 | \$ _____ |

Total Amount Due \$ _____

4. Payment Information: Payment must be included in order to process your registration. Method of Payment (US Dollars, Drawn on US Bank Only)

- ☐ Check (Please make payable to: Health Level Seven International) Credit Card: ☐ Visa ☐ Master Card ☐ American Express ☐ Discover

Number:

Expiration Date:

Billing Street Address:

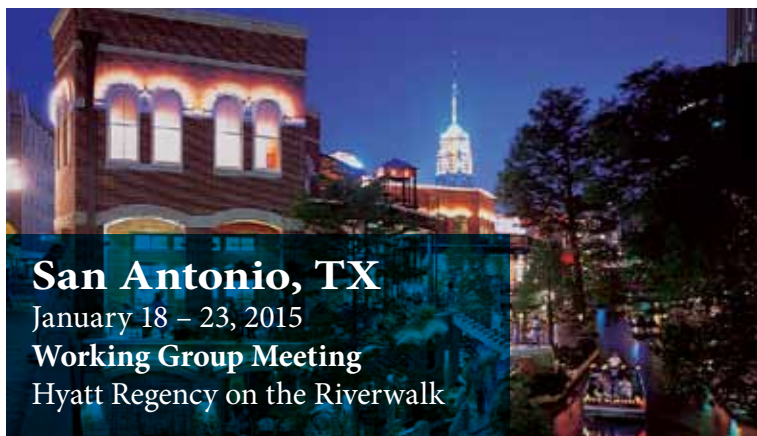
Name on Card:

Signature:

UPCOMING WORKING GROUP MEETINGS



Lake Buena Vista, FL
January 12 – 17, 2014
Working Group Meeting
Hilton in the Walt Disney World® Resort



San Antonio, TX
January 18 – 23, 2015
Working Group Meeting
Hyatt Regency on the Riverwalk



Phoenix, AZ
May 4 – 9, 2014
Working Group Meeting
Pointe Hilton Squaw Peak Resort



Paris, France
May 10-15, 2015
Working Group Meeting
Hyatt Regency Paris — Charles de Gaulle Hotel



Chicago, IL
September 14 – 19, 2014
28th Annual Plenary & Working Group Meeting
Hilton Chicago Hotel



Atlanta, GA
October 4 – 9, 2015
29th Annual Plenary & Working Group Meeting
Sheraton Atlanta Hotel

UPCOMING CO-CHAIR ELECTIONS

The following HL7 work groups will conduct co-chair elections at this working group meeting.

Work Group	# being elected
Arden Syntax	1
Child Health	2
Clinical Decision Support	2
Clinical Quality Improvement	1
Conformance & Guidance for Implementation/Testing	3
Education	1
Emergency Care	1
Electronic Services	1
Imaging Integration	1

Work Group	# being elected
Implementable Technology Specifications	1
Mobile Health	1
Modeling & Methodology	1
Patient Care	1
Pharmacy	2
Public Health & Emergency Response	1
Publishing	3
Structured Documents	2



CAMBRIDGE, MA

Cambridge is the spirited, slightly mischievous side of Boston, located just a bridge away on the other side of the Charles River. Packed with international flair and a youthful vitality, Cambridge is a city where counter culture lives, classic culture thrives, and multi-culture is a way of life.

Cambridge offers an exciting multicultural setting where visitors from around the world mingle in the shadow of two of the world's premier educational institutions: Harvard University and the Massachusetts Institute of Technology (MIT). Teeming with cafes, bookstores, and boutiques, Cambridge is often referred to as "Boston's Left Bank."

The Boston area's premier attraction, the Freedom Trail, is a walking tour through historic Boston, encompassing 16 of the most treasured sites in American history. The Freedom Trail is an actual red line painted on the sidewalks and streets of Boston. Besides guiding a visitor to the historic sites, the

Freedom Trail is an excellent way to tour the city as it winds through many diverse neighborhoods.

Visitors to the Boston area are never at a loss for something to do. Boston's many museums, concert halls, theaters, and nightclubs are always abuzz with activity and excitement. From the internationally acclaimed Museum of Fine Arts, the Museum of Science and the John F. Kennedy Library & Museum, to the famous Boston Symphony Orchestra and Boston Pops, to an abundant local and pre-Broadway theater scene, Boston's cultural and entertainment options are bountiful.

Known as the "Athens of America," Boston's renowned medical and educational institutions have helped to make it an international center of learning and intellectual activity. The metropolitan area's 35 hospitals and more than 60 colleges and universities are a vast resource.

Copy and photos courtesy of the Cambridge Office of Tourism and the Greater Boston Convention & Visitor's Bureau.