26TH ANNUAL PLENARY & WORKING GROUP MEETING

Hyatt Regency Baltimore, MD • September 9 – 14, 2012

Hotel & Early Bird Registration Cutoff—August 17, 2012
Online Registration Cutoff—August 24, 2012

CME Credits Available!
sponsored through the American College of Physicians
See page 3 for details.

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THANK YOU TO OUR SPONSORS

LETTER FROM THE CHAIR

Greetings and thanks to all of you who are able to come to Baltimore for the September Plenary & WGM. It's at the WGMs that one feels the "HL7 experience." You can see it not only in our hard work and productivity during the week, but also in the fun we have at the CorePoint and networking receptions, and the hugs and smiles and laughter we share with colleagues who have become our friends.

For those of you who are not able to make the Baltimore meeting, we hope to see you at the January WGM in Phoenix.

RELEVANT CHANGE AND GROWTH

In January, I stated that relevance, change, growth, and unity are our top priorities and principles. We've made great strides in operationalizing these priorities and principles. Change and growth have taken place over the last nine months.

Here in Baltimore, we will have our first meeting with those who have joined our newest membership category: caregivers. It is so exciting to see clinicians engage in HL7 at any level they wish—whether it's to help develop clinical and business requirements through domain analysis models, specify what they'd like to see in EHR and other clinical and administrative systems through functional models or functional profiles, or develop message or document artifacts. Please welcome our new caregiver members, and show them what a great "HL7 experience" they can have this week.

Our new work group, Mobile Health, got off to a terrific start at the May Vancouver WGM. The room was crowded with eager volunteers, many of whom were new to HL7. They did extremely well in specifying their areas of interest. I'm confident that, through their energy, enthusiasm and hard work, they are going to produce standards that are relevant and immediately consumed by the healthcare industry.

The HL7 Foundation is engaging in some exciting projects in Europe, where, through our affiliates in Europe, HL7 is the only SDO to step up and support cross country initiatives. This kind of engagement is not confined to Europe. Various affiliates in Asia are also talking about forming a regional collaboration to capitalize on their collective strengths.

Thanks to all of you who develop and implement HL7 standards. You make the "HL7 experience" what it is today. Your energy and hard work is what will make our innovations today become commonplace implementations tomorrow.

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

WHAT IS A WORKING GROUP MEETING?

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 17-19 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®), 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 6-13.

CME Credit Sponsored Through The American College of Physicians

Many of the tutorials offered at the September Working Group Meeting qualify for continuing medical education for physicians. This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American College of Physicians and Health Level Seven® International.

The American College of Physicians is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American College of Physicians designates this live activity for a maximum of 21 AMA PRA Category 1 credit(s). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

EDUCATION TRACKS

HL7 has organized its courses into four 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, messaging, documents (Clinical Document Architecture), messaging infrastructure (wrappers, transport), and the XML Implementation Technology specification. 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 in either the Version 2 or Version 3 family. These include HL7 standards for Electronic Health Records (EHR), Security and medical logic (Arden Syntax). The Special Topics track also offers advanced or specialized classes in Version 2 or Version 3 subjects which 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 to conform 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.

HL7's 26ᵀᴴ Annual Plenary Meeting

September 10, 2012 at the Hyatt Regency Hotel • Baltimore, MD

Theme: **HL7 in the Era of Patient Empowerment***

8:30–8:45am Welcoming Comments
Don Mon, PhD, Chair, HL7 Board of Directors

8:45–9:15am Keynote Session 1:
Engaging Patients with Standards

Topics covered will include how the HIT standards professional can transform healthcare by:
- enabling patients to be informed and informing
- bridging the legacy and innovative technologies
- harmonizing EHR and patient facing system interactions
- maximizing the data to improve quality

Leslie Kelly Hall
Senior Vice President, Healthwise

9:15–9:50am Keynote Session 2: The Rise of e-Patients

Three technology revolutions in the last generation have changed the way patients care for themselves and interact with doctors and peers:
1. the internet/broadband revolution
2. the mobile revolution
3. the social networks revolution.

Lee Rainie will describe how patients and caregivers use these technologies to inform themselves, deal with medical providers, and share their stories with fellow patients and their loved ones.

Lee Rainie
Director, Pew Research Center's Internet & American Life Project, and formerly the managing editor of the news magazine U.S. News & World Report

9:50–10:25am Keynote Session 3:
Consumer Empowerment
What progress has been made with consumer empowerment since AHIC
- What is left to do

- How policy has helped shape consumer empowerment, and vice versa (e.g., changing consumer attitudes shaped policy)
- How EHR/PHR systems and other technology have really empowered consumers (actual vs. theortical)
- The standards that are needed

Elaine A. Blechman, PhD
Professor Emerita, University of Colorado-Boulder and President, Prosocial Applications

10:25–10:50am Break

10:50–12:20pm **Panel discussion** featuring presentations from different stakeholders in the mobile health space on how they view the future of mobile health and HL7's potential role in this evolving arena
Moderated by Doug Fridsma, MD, PhD
Director, Office of Standards and Interoperability, Office of the National Coordinator for Health IT

10:55–11:10am *Chuck Parker,* President, Continua Health Alliance

11:10–11:25am *Christoph Lehmann, MD*, Director, Clinical IT, Johns Hopkins Hospital, will discuss empowering families of children

11:25–11:40am *Edna Boone*, Senior Director, mHIMSS

11:40–11:55am *Lonnie Smith,* Policy Analyst, U.S. Food and Drug Administration (FDA), will discuss mobile applications of SPL

11:55–12:10pm *Heather Grain*, Standards Australia

12:10–12:20pm Questions and Answers for panelists

12:20–12:30pm Closing Comments and a Vision for HL7's Future
Charles Jaffe, MD, PhD
CEO, Health Level Seven International

*Program subject to change

HL7 Ambassador Program

Monday, September 10, 2012 • 1:45 – 5:00 pm

Meaningful HL7 Use – **HL7 in the Middle of MU Action***

1:45–3:00pm Meaningful Use Future Direction and Past Experiences
- ONC review and update on the Final Standards and Certification Rule
- "Feedback from the street"— Experiences of providers (small & medium size) and hospitals in meeting MU objectives
- MU experience and viewpoint from outside of HL7

3:30–5:00pm Ambassador Presentations on HL7 Standards in the 2014 Certification Criteria
- Intro and short overview
- CDA Consolidation
- Infobutton
- Lab Results Interface
- Immunization
- General Discussion and Questions

*Program subject to change

SCHEDULE AT A GLANCE

Saturday, September 8
9:00 – 5:00pm   TSC Meeting

Sunday, September 9
8:30 – 5:00pm   REGISTRATION
9:00 – 3:00pm   HL7 International Council Meeting
9:00 – 3:00pm   Architectural review Board (ArB) Meeting
11:00 – 12:30pm Introduction to HL7 FHIR
3:30 – 5:00pm   HL7 Activities with Other SDOs
3:30 – 5:00pm   International Mentoring Committee
3:30 – 5:00pm   Hands on with FHIR
4:00 – 5:00pm   First-Time Attendees' Orientation – FREE TUTORIAL
**5:00 – 6:00pm   Organization and Process Orientation/
                   Introduction – FREE TUTORIAL**
5:15 – 6:30pm   TSC Meeting

Monday, September 10
7:00 – 8:00am   First-Time Attendees' Orientation – FREE TUTORIAL
7:00 – 5:00pm   REGISTRATION
7:30 – 8:30am   Continental Breakfast
8:30 – 12:30pm   Plenary Meeting
10:15 – 10:45am 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   Working Group Meetings
1:45 – 5:00pm   Introduction to Electronic Health Record
1:45 – 5:00pm   Standards for Interoperability
1:45 – 5:00pm   Ambassador Program: Meaningful HL7 Use –
                 HL7 in the Middle of MU Action
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 11
7:00 – 8:00am   Nurses 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: Fundamentals
9:00 – 12:30pm   Consolidated CDA
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
12:30 – 1:30pm   TSC Luncheon/Meeting
12:30 – 1:30pm   Education Facilitators' Roundtable Luncheon/Meeting
**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   InfoButtons for Clinical Decision Support
3:00 – 3:30pm   Afternoon Break
3:30 – 9:00pm   Board of Directors' Meeting
6:00 – 8:00pm   Open Space Meetings – Self Organized

Wednesday, September 12
7:00 – 8:00am   Physicians 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 3 Data Types and XML ITS
9:00 – 12:30pm   Introduction to Clinical Document Architecture
9:00 – 12:30pm   The Laboratory Results Interface
9:00 – 5:00pm   Working Group Meetings
10:30 – 11:00am Morning Break
12:30 – 1:30pm   Project Management Roundtable Luncheon/Meeting
1:45 – 5:00pm   Version 2 Message Profiles and Conformance
1:45 – 5:00pm   Clinical Document Architecture Advanced
1:45 – 5:00pm   Immunization Messaging Using HL7 Version 2.5.1
1:45 – 5:00pm   Introduction to Security and Privacy
3:00 – 3:30pm   Afternoon Break
3:30 – 5:00pm   HL7 Architecture Program
5:15 – 7:00pm   Networking Reception

Thursday, September 13
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   Version 2.7 Control Specialist Certification Test
                   Preparation**
9:00 – 12:30pm   CDA Specialist Certification Test Preparation
9:00 – 12:30pm   Advanced Application in Vocabulary
9:00 – 5:00pm   Working Group Meetings
10:30 – 11:00am Morning Break
11:00 – 3:30pm   Web Services for Imaging Integration
12:30 – 5:00pm   Affiliate Chair or Designated Rep Luncheon/Meeting
                 (Must register)
1:45 – 5:00pm   Version 3 Software Implementation
1:45 – 5:00pm   CDA Communities and Strategies for Implementation
1:45 – 5:00pm   Personal Health Record
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 – 8:00 pm   Modeling & Methodology (MnM) Facilitators' Roundtable

Friday, September 14
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.**

TUTORIALS

T3 – Introduction to Version 2, Part 1: Control/Patient Administration
Tuesday, September 11 / 9:00 am – 12:30 pm • 3 CME Credits

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

T6 – Introduction to Version 2, Part 2: Orders and Observations
Tuesday, September 11 / 1:45 pm – 5:00 pm • 3 CME Credits

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

W12 – Version 2 Message Profiles and Conformance
Wednesday, September 12 / 1:45 pm – 5:00 pm • 3 CME Credits

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:
AbdulMalik Shakir: Co-Chair, HL7 Modeling and Methodology Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting

TH15 – Version 2.7 Control Specialist Certification Test Preparation
Thursday, September 13 / 9:00 am – 12:30 pm • 3 CME Credits

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.

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 Infrastructure and Messaging Work Group; Co-Chair, Education Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

HL7 MEETINGS ARE NOW GREEN!

Bring your laptop to your tutorials! To reduce HL7's carbon footprint, its meetings are now largely paperless. HL7 no longer provides 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.

TH21 – HL7 Version 2.7 Control Specialist Certification Test
Thursday, September 13 / 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 exam.

TRACK 2—VERSION 3 AND CDA® CORE

T4 – Introduction to Version 3, Part 1: Fundamentals
Tuesday, September 11 / 9:00 am – 12:30 pm • 3 CME Credits

Introduction to Version 3 is a rigorous introduction to HL7's newly emerging standard. Included in the class is:
- General rationale for Version 3
- Explanation of Version 3's two key concepts: messaging and documents (CDA)
- Overview of the Version 3 publication (ballot and standard)
- Essential concepts and terminology necessary to understand the static models of Version 3 used for both messages and documents

This Tutorial Will Benefit:
- Anyone interested in Version 3 implementation or standards development
- Anyone interested in more advanced Version 3 classes on messaging and CDA

Upon Completion of This Tutorial, Students Will Have Obtained:
- General understanding of the purpose, function, and format of Version 3 messaging and documents
- Rudimentary knowledge of the Reference Information Model (RIM) with a focus on act, role, act relationship, and participation
- Rudimentary understanding of Version 3 Refined Message Information Models (RMIMs) and the refinement process
- Knowledge of scope, contents, and organization of 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.)

Faculty:
Virginia Lorenzi, FHL7: Manager, HIT Standards and Collaborations, New York-Presbyterian Hospital; Associate, Department of Biomedical Informatics, Columbia University

T7 – Introduction to Version 3, Part 2: Messaging
Tuesday, September 11 / 1:45 pm – 5:00 pm • 3 CME Credits

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 introduction class by focusing on how messaging is addressed with the Version 3 standard. It reviews and expands on how Version 3 static models are used to represent messages. The Version 3 dynamic model, which is related to the interactions between systems, is introduced. The tutorial explains how message sets are documented within the standard. Finally, it explores how a simple message is wrapped, transmitted, and acknowledged.

The Tutorial Will Benefit:
- Anyone who needs to read Version 3 messaging publications
- Anyone interested in Version 3 implementation or standards development
- Anyone interested in more advanced classes on Version 3

Upon Completion of This Tutorial, Students Will Have Obtained:
- Rudimentary understanding of Version 3 static and dynamic models and associated terminology as needed to support Version 3 messaging
- General understanding of the following specific dynamic model concepts: storyboard, application role, trigger event, interaction
- General understanding of the following static model components: DMIM, HMD, and message type
- Summary of all functional areas in the current Version 3 ballot publication and their status
- Ability to read a Version 3 functional domain

Prerequisites:
- Introduction to Version 3, Part 1: Fundamentals

Note: Messaging builds directly on the concepts covered in Part 1 and is designed to be a continuation of the morning class. Most attendees of Messaging also take the Fundamentals (Part 1) class. If you would like to take Messaging without taking Part 1, please contact the instructor.

Note: 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. This is covered in the Introduction to Version 3, Part 1 class.

Faculty:
Virginia Lorenzi, FHL7: Manager, HIT Standards and Collaborations, New York-Presbyterian Hospital; Associate, Department of Biomedical Informatics, Columbia University

W9 – Version 3 Data Types and XML ITS
Wednesday, September 12 / 9:00 am – 12:30 pm • 3 CME Credits

This tutorial provides an in-depth look at Release 2 of the Version 3 data types. It covers both the abstract data types and the implementation (ISO 21090).

This Tutorial Will Benefit:
- Anyone who works with the Version 3 data types: specification designers, analysts, and programmers. Most of the content will apply to the R1 data types as well. The data types have been called "a graduate level course in health informatics" — so anyone working in health informatics may find this useful.

TUTORIALS

Upon Completion of This Tutorial, Students Will Know:
- The general scope and architecture of Version 3 data types
- The difference between R1 and R2 data types
- How to use the 'difficult' data types – CD, ED, PQ and IVL
- How to avoid the most common implementation mistakes

Prerequisites:
- The course will assume that participants have basic O-O, UML, and XML skills and general knowledge of the Version 3 RIM concepts.

Faculty:
Kai Heitmann, MD: Chair, HL7 Germany; Heitmann Consulting and Services

W10 – Introduction to Clinical Document Architecture
Wednesday, September 12 / 9:00 am – 12:30 pm • 3 CME Credits

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:
Liora Alschuler, FHL7 (Lead Speaker): Co-Editor, CDA; CEO, Lantana Consulting Group

Brett Marquard (Co-Speaker): Co-Chair, HL7 Structured Documents Work Group; Sr. Interoperability Consultant, Lantana Consulting Group

W13 – Clinical Document Architecture Advanced
Wednesday, September 12 / 1:45 pm – 5:00 pm • 3 CME Credits

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): Vice Chair, HL7 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): 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 13 / 9:00 am – 12:30 pm • 3 CME Credits

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: 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

TH18 – Version 3 Software Implementation
Thursday, September 13 / 1:45 pm – 5:00 pm • 3 CME Credits

This class gives an overview of current technical strategies for implementing solutions based on the Version 3 specifications. How is a message or a CDA document populated from our repository? What do we do when we receive a document or message? How do we process it? This tutorial will address implementations of Version 3 based applications from a practical point of view. Different architectural approaches will be examined and compared. The tutorial is designed to address the needs of the implementer/developer/application

architect. The tutorial will address techniques and design patterns for manipulating Version 3 messages or documents: parsing and serialization, extended validation, communication, storage and retrieval and enablement of existing applications.

This Tutorial Will Benefit:
- Software architects responsible for integration projects
- Developers responsible for Version 3 implementation
- Technical specialists considering Version 3 adoption

Upon Completion of This Tutorial, Students Will Have:
- An understanding of multiple architectural approaches and techniques for Version 3 implementation
- A basic knowledge of the different technologies and tools available to implement HL7 Version 3 based message and document specifications

Prerequisites:
- Knowledge of HL7 Version 3 and the HDF
- General knowledge of XML tooling principles and application development frameworks

Faculty:
Rene Spronk, FHL7: Co-Chair, RIMBAA Work Group; Senior Consultant, Ringholm bv

TH19 – CDA Community and Strategies for Implementation
Thursday, September 13 / 1:45 pm – 5:00 pm • 3 CME Credits

This tutorial focuses on how to implement CDA, the community that has grown up around it, and how it is being used in a wide variety of settings. Several speakers from around the world will describe their CDA experience and lessons learned. Speakers will also discuss their preferred CDA implementation roadmap.

This Tutorial Will Benefit:
- Analysts, architects, and/or developers interested in learning from others' implementation experience

Upon Completion of This Tutorial, Students Will Know:
- Various CDA implementations around the world
- Various implementation challenges others have faced
- Various approaches to implementing CDA

Prerequisites:
- This is not a CDA tutorial. While attendees are not required to have a firm understanding of CDA, it is anticipated that a CDA background will aid the understanding of suggested approaches and previously encountered challenges.

Faculty:
Diego Kaminker: Affiliate Director, HL7 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

TH22 – HL7 CDA Specialist Certification Test
Thursday, September 13 / 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 exam 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 exam.

TH22 – HL7 Version 3 RIM Certification Test
Thursday, September 13 / 5:30 pm – 7:30 pm

Health Level Seven is pleased to offer certification testing on the HL7 Version 3 Reference Information Model (RIM) 2.11 (the version of the RIM in Version 3 Normative Edition 2006). 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 exam.

TRACK 3—HL7 SPECIAL TOPICS

M1 – Introduction to Electronic Health Record
Monday, September 11 / 1:45 pm – 5:00 pm • 3 CME Credits

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 healthcare 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 Organizational 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:
Helen Stevens, MBA: Co-Chair, HL7 Electronic Health Records Work Group; Senior Consultant, Gordon Point Informatics Ltd.

M2 – Standards for Interoperability
Monday, September 11 / 1:45 pm – 5:00 pm • 3 CME Credits

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 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

TH17 – Advanced Application of Vocabulary
Thursday, September 13 / 9:00 am – 12:30 pm • 3 CME Credits

This Tutorial Will Cover The Following Topics:
- The need for using standard coded terminologies in HL7
- The Vocabulary Work Group, its current role and mission within HL7, and its current activities
- A brief summary of Version 2.x terminology strategy
- An overview of the Version 3 terminology strategy with a focus on coded data types
- How coded terminologies are represented in Version 3 models and messages and bound to them

- The HL7 vocabulary model and the use of these objects in Version 3 structures
- Maintenance of the HL7 vocabulary
- A brief summary of the purpose of the Common Terminology Services specification

This Tutorial Will Benefit:
- Individuals wanting to participate in the work of the Vocabulary Work Group, and those planning to implement HL7 messages

Upon Completion of This Tutorial, Students Will Know:
- The history of the Vocabulary Work Group
- How to access and manipulate terminology in HL7 Version 2.x (tables)
- How coded data is represented in Version 3 messages
- How to understand and use value sets and concept domains
- How to register a terminology for use in HL7 messages
- The functions and capabilities of Common Terminology Services
- Who to ask if they have questions

Prerequisites:
- Introduction to Vocabulary

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

TH20 – Personal Health Record
Thursday, September 13 / 1:45 pm – 5:00 pm • 3 CME Credits

This informative tutorial and review provides an in-depth look at the Personal Health Record System Functional Model (PHR-S FM), the difference between the EHR and the PHR, the relationship between the PHR-S FM and the EHR-S FM, and PHR initiatives around the world.

This Tutorial Will Benefit:
- Those seeking information on the functionality and standardization of personal health records
- Those wishing to implement or evaluate PHR systems, or those who have an interest in understanding how PHR-S functionality relates to broader industry discussions related to personal health records, including consumer empowerment

Upon Completion of This Tutorial, Students Will Know:
- Background and status of the PHR-S Functional Model as an impending ANSI standard
- The structure and content of functional requirements for PHR systems, as shown by the model
- The differences between the PHR-S FM and the EHR-S FM
- Options to use the functional model for conformance and care setting profiles
- Background and status on HL7 and industry projects supporting PHR standards
- How the PHR-S FM supports broader industry concepts related to the personal health records, such as consumer empowerment

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

Faculty:

John Ritter: Co-Chair, Electronic Health Records Work Group; Co-Chair, International Mentoring Work Group; HL7 Ambassador; Publishing Facilitator for Electronic Health Records Work Group; ISO TC/215 US Technical Advisory Group Member; Healthcare Standards Architect

T5 – Consolidated CDA
Tuesday, September 11 / 9:00 am – 12:30 pm • 3 CME Credits

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 W. Boone: Director, HL7 Board of Directors; Standards Architect, GE Healthcare

T8 – InfoButtons for Clinical Decision Support
Tuesday, September 11 / 1:45 pm – 5:00 pm • 3 CME Credits

This tutorial will describe how online reference resources can be integrated with EHR systems through the HL7 Context-Aware Information Retrieval Standard (also known as the Infobutton standard). The goal is to provide clinicians and their patients with seamless access to relevant information in the context of EHR use that can aid the decision-making process. The Infobutton standard is being rapidly adopted by EHR vendors and online medical knowledge publishers. The standard has been recently included as one of the requirements for EHR certification in the Meaningful Use Stage 2 Standards certification criteria.

This Tutorial Will Benefit:
The audience for this presentation is 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:
- Clinicians' information needs
- Impact of infobuttons on clinical decision-making
- Infobutton Manager architecture
- The major components of an Infobutton Request
- Patient Demographics
- Search Criteria
- Use of Task Contexts
- How to distinguish between patient and provider focused content
- How to map from Infobutton model elements to HTTP transactions
- Best practices for exchange of Infobutton resources

Prerequisites:
- Attendees should have a basic knowledge of HTTP and web-based transactions

Faculty:

Guilherme Del Fiol, MD, PhD (lead speaker): Co-Chair, Clinical Decision Support Work Group; Assistant Professor, University of Utah

Howard Strasberg (co-speaker): Co-Chair, Clinical Decision Support Work Group; Vice-President of Medical Informatics, Wolters Kluwer Health – Clinical Solutions

W11 – The Laboratory Results Interface
Wednesday, September 12 / 9:00 am – 12:30 pm • 3 CME Credits

The Laboratory Results Interface is an HL7 2.5.1 Draft Standard for Trial Use (DSTU) developed in conjunction with the ONC Standards and Interoperability program. It is designed for communication of laboratory results to ambulatory EHR systems and can also be used to communicate to inpatient systems.

The audience for this tutorial is implementers and developers of health IT solutions, and interface engineers that need to integrate EHR's with ambulatory reporting systems.

Upon Completion of This Tutorial, Students Will Know:
- The different kinds of lab results that can be exchanged using the standard, and the variations in messaging associated with each
- Additions to the standard that have been pre-adopted from HL7 Version 2.7.1 and the need for these in the standard, as well as how to use them
- Use of controlled vocabularies in the messages
- Differences between this standard and previous implementation guides that had been in use
- The different kinds of message profiles, and how to detect or conform to them
- How to validate conformance of messages to profiles used in the guide

Faculty:

Ken McCaslin, FHL7: Co-Chair, HL7 Electronic Services Work Group; Co-Chair, HL7 Orders and Observations Work Group; Past Co-Chair, HL7 Technical and Support Services Steering Division—HL7 Technical Steering Committee; Director, HealthCare Standards, Quest Diagnostics

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

TUTORIALS

W14 – Immunization Messaging Using HL7 Version 2.5.1
Wednesday, September 12 / 1:45 pm – 5:00 pm • 3 CME Credits

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.

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
- 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, Public Health and Emergency Response Work Group; Senior Information Technologist, Northrop Grumman

TRACK 5—INFORMATION FORUMS

F1 – Introduction to HL7 FHIR – FREE TUTORIAL
Sunday, September 9 / 11:00 am – 12:30 pm

The proposed HL7 FHIR (Fast Healthcare Interoperability Resources) approach to interoperability standards has attracted considerable attention both within and outside of HL7. It strives to leverage the strengths of HL7 Version 2 and HL7 Version 3 while avoiding many of their weaknesses. This tutorial will give an overview of what FHIR is, the advantages it provides, and key differences from other HL7 approaches. Attendees will have an opportunity to examine how specifications are created using FHIR and will receive an overview of FHIR's approaches to conformance, data types and each of the interoperability paradigms (REST, Messaging, Documents and Services). The class will be structured to be useful for those having technical or managerial backgrounds. This tutorial is being held in two time-slots – Sunday Q2 as an official tutorial and Monday Q3 at the FHIR project's meeting room – to maximize ability for HL7 participants to attend. While there will be minor updates from the version of the tutorial held in Vancouver, those who attended that session will likely find little incremental value in the updated version and may be better served by downloading the updated slides when they are posted.

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

Grahame Grieve: Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Structured Documents Work Group; Modeling and Methodology Facilitator-HL7 Infrastructure and Messaging Work Group; Consultant, NEHTA; National Development Manager, Health Intersections Pty Ltd

F2 – Hands on with FHIR – FREE TUTORIAL
Sunday, September 9 / 3:30 pm – 5:00 pm

This tutorial will cover updated changes to the authoring process from the version of the tutorial held in Vancouver, and will focus on a hands-on approach to authoring resources. It will not be a repeat of the Vancouver tutorial, however, and will instead be a working class where attendees will use the FHIR build environment to construct a resource and generate the published specification. It will also examine the quality criteria and other guidelines for resource development. Time permitting, the processes and tooling needed to support profile development may also be covered.

Attendees are expected to come with laptops and a current (1.6 or higher) version of the java virtual machine installed. The instructors will provide additional configuration instructions several days in advance and attendees are asked to complete these prior to attending the class.

Due to limited space, priority will be given to work group co-chairs and facilitators, but others are welcome to attend as space permits.

Prerequisites:
- An Introduction to HL7 FHIR (or an hour or two browsing the www.hl7.org/fhir website)

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

Grahame Grieve: Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Structured Documents Work Group; Modeling and Methodology Facilitator-HL7 Infrastructure and Messaging Work Group; Consultant, NEHTA; National Development Manager, Health Intersections Pty Ltd

F3/F5 – First-Time Attendees' Orientation – FREE TUTORIAL
Sunday, September 9 / 4:00 pm – 5:00 pm
Monday, September 10 / 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; Past Co-Chair, HL7 Technical and Support Services Steering Division—HL7 Technical Steering Committee; 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, Co-Chair, Education Work Group; HL7 Infrastructure and Messaging Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

F4 – Organization and Process Orientation/Introduction – FREE TUTORIAL
Sunday, September 9 / 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 has been added at the request of first time attendees seeking to gain deeper knowledge of the organization and its work processes.

Faculty:
John Quinn, FHL7: HL7 Chief Technical Officer

F6 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL
Tuesday, September 11 / 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 needs
- How to develop competencies to meet need

- How to identify expected background of students
- 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 a 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

F7 – Newly Elected Co-Chair Training – Free Tutorial
Thursday, September 13 / 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

FREE EDUCATIONAL SESSIONS

Introduction to Security and Privacy
Wednesday, September 12 • 1:45 - 5:00 pm

This session will focus on how to apply security and privacy to the 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, ConfidentialityCode, 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.

Web Services for Imaging Integration
Thursday, September 13 • 11:00 am – 3:00 pm

Integration of imaging into EHRs is one of the new "menu items" in the Meaningful Use Stage 2 criteria. DICOM has recently standardized a set of web services designed for this integration. EHR and PACS imple-menters and integrators are invited to a special session introducing the DICOM web services. This session is hosted by IIWG, and is free to meeting registrants.

TUTORIALS AT A GLANCE

Topic	Class ID	Instructor	SUN AM	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	T3	Buitendijk					★					
Introduction to Version 2, Part 2: Orders & Observations	T6	Loyd						★				
Version 2 Message Profiles and Conformance	W12	Shakir								★		
Version 2.7 Control Specialist Certification Test Preparation	TH15	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: Fundamentals	T4	Lorenzi					★					
Introduction to Version 3, Part 2: Messaging	T7	Lorenzi						★				
Version 3 Data Types and XML ITS	W9	Heitmann							★			
Introduction to Clinical Document Architecture	W10	Alschuler/Marquard							★			
Clinical Document Architecture Advanced	W13	Dolin/Beebe								★		
CDA Specialist Certification Test Preparation	TH16	Beebe									★	
Version 3 Software Implementation	TH18	Spronk										★
CDA Communities & Strategies for Implementation	TH19	Kaminker										★
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 Electronic Health Record	M1	Stevens				★						
Standards for Interoperability	M2	Kaminker				★						
Advanced Application in Vocabulary	TH17	Klein									★	
Personal Health Record	TH20	Ritter										★
Track 4—Meaningful Use												
Consolidated CDA	T5	Boone					★					
InfoButtons for Clinical Decision Support	T8	Del Fiol/Strasberg						★				
The Laboratory Results Interface	W11	McCaslin/Buitendijk								★		
Immunization Messaging Using HL7 Version 2.5.1	W14	Savage								★		
Track 5—Information Forums FREE TUTORIALS												
Introduction to HL7 FHIR	F1	McKenzie/Grieve	Q2									
Hands on with FHIR	F2	McKenzie/Grieve		Q4								
First-Time Attendees' Orientation	F3/F5	McCaslin/Loyd		4:00-5:00	7:00-8:00							
Organization and Process Orientation/Introduction	F4	Quinn		5:00-6:00								
How to Design and Deliver an HL7 Tutorial	F6	Grain					7:00-8:00					
Newly Elected Co-Chair Training	F7	Van Hentenryck									7:00-8:00	

	Sunday AM	Sunday PM	Monday AM	Monday PM	Tuesday AM	Tuesday PM	Wednesday AM	Wednesday PM	Thursday AM	Thursday PM	Friday AM	Friday PM
Affiliate Due Diligence Committee						Q3						
Ambassador Program				★								
Anatomic Pathology				★	★	★	Q2	★				
Anesthesiology				★	★	Q3						
Architectural review Board	★	Q3				Q4				★		
Arden Syntax					★	★						
Attachments				★	★	★	★	★	★	★		
Board of Directors' Meeting						3:30-9:00						
Clinical Decision Support							★	Q3	★	★		
Clinical Genomics						Q4	★	Q4	★			
Clinical Interoperability Council					★	★		Q4	★	★		
Clinical Statement										★		
Co-Chair Information				Lunch & 5:15-7:00		Lunch			7:00-7:45			
Community Based Collaborative Care						★		★				
Conformance & Guidance for Implementation/Testing				★	Q2	Q4		Q3				
Education				★	★	Lunch			Q1			
Electronic Health Records				★	Q2	★	★	Q3	Q2	★		
Electronic Services									★			
Emergency Care				★	★	★	★	★	★	★	★	
FHIR Project				★	★	★	★	Q3	★	★	★	★
Financial Management				★		Q3			Q2			
First Time Attendees' Orientation		4:00-5:00	7:00-8:00	Lunch		Lunch						
Foundation Task Force								Q4				
Fresh Look Task Force				★								
General Session					8:00-8:45		8:00-8:45		8:00-8:45		No General Session	
Governance and Operations Committee							Q2					
GS1 Education Session					7:00-7:45							
HL7 Activities with Other SDOs		Q4		Q3								
HL7 Architecture Program								Q4				
Health Care Devices				★	★	★	★	★	★	★	★	
Imaging Integration						Q3	Q2	Q4				
Implementation Technology Specifications				★				Q2	★	★		
Infrastructure & Messaging					★	Q3						
International Council	★	Lunch & Q3								12:30 - 5:00		

Meetings Only—No Joint Sessions Listed

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

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm   DISCLAIMER: Meeting times are subject to change.

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

Meeting times and locations are subject to change.

GENERAL SESSION ROOM

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

Monday	8:30 – 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	

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

MEETINGS

AFFILIATE DUE DILIGENCE COMMITTEE

Tuesday	1:45 – 3:00 pm	MEETING

AMBASSADOR PROGRAM

Monday	1:45 – 5:00 pm	Meaningful HL7 Use – HL7 in the Middle of MU Action

ANATOMIC PATHOLOGY (AP)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/O&O, II
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: Clin Gen
	3:30 – 5:00 pm	MEETING

ANESTHESIOLOGY (GAS)

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

ARCHITECTURAL review BOARD (ArB)

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

ARDEN SYNTAX (AS)

Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	1:45 – 3:00 pm	Joint w/CDS, PHER

ATTACHMENTS

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

BOARD OF DIRECTORS' MEETING

Tuesday	3:30 – 9:00 pm	MEETING

CLINICAL DECISION SUPPORT (CDS)

Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: PHER, AS
	3:30 – 5:00 pm	Joint w/PC, Pharm, PS, EHR
Thursday	9:00 – 5:00 pm	MEETING

CLINICAL GENOMICS (Clin Gen)

Tuesday	1:45 – 3:00 pm	Joint w/O&O
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/AP
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING

CLINICAL INTEROPERABILITY COUNCIL (CIC)

Tuesday	9:00 – 10:30 am	Hosting: EHR
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/PC, PHER
	11:00 – 12:30 pm	Joint w/EHR, PHER, PC, PS
	3:30 – 5:00 pm	Hosting: RCRIM
Thursday	9:00 – 5:00 pm	MEETING

CLINICAL STATEMENT (CS)

Thursday	1:45 – 3:00 pm	Hosting: O&O
	3:30 – 5:00 pm	MEETING

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	Joint w/Sec
Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/EHR, Sec
	1:45 – 5:00 pm	MEETING
Thursday	11:00 – 12:30 pm	Joint w/Dev

CONFORMANCE & GUIDANCE FOR IMPLEMENTATION/TESTING (CGIT)

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

EDUCATION

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: IMC, Marketing
Tuesday	9:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Education Facilitators' Roundtable Luncheon/Meeting
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/ES, V2 and V3 Publishing

ELECTRONIC HEALTH RECORDS (EHR)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/CIC
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: Sec, CBCC
	11:00 – 12:30 pm	Hosting: PHER, PC, PS, CIC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PC, Pharm, PS, CDS
Thursday	9:00 – 10:30 am	Joint w/PC, SOA
	11:00 – 5:00 pm	MEETING

ELECTRONIC SERVICES (ES)

Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: Education, V2 and V3 Publishing

EMERGENCY CARE (EC)

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

FHIR PROJECT

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: MnM
Tuesday	9:00 – 10:30 am	Hosting: ITS, SOA
	11:00 – 12:30 pm	Hosting: Tooling, V3 Publishing
	1:45 – 3:00 pm	Hosting: PA
	3:30 – 5:00 pm	Hosting: InM, ITS
Wednesday	9:00 – 10:30 am	Hosting: ITS
	11:00 – 12:30 pm	Hosting: Voc
	1:45 – 3:00 pm	Hosting: O&O

MEETINGS

FHIR PROJECT (continued)

Wednesday	3:30 – 5:00 pm	Joint w/Dev
Thursday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: SD
	3:30 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Hosting: Pharm
	11:00 – 12:30 pm	Hosting: MnM
	1:45 – 5:00 pm	MEETING

FINANCIAL MANAGEMENT (FM)

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

FRESH LOOK TASK FORCE

Monday	1:45 – 5:00 pm	MEETING

GOVERNANCE AND OPERATIONS COMMITTEE (GOC)

Wednesday	11:00 – 12:30 pm	MEETING

GS1 EDUCATION SESSION

Tuesday	7:00 – 7:45 am	MEETING

HL7 ACTIVITIES WITH OTHER SDOs

Sunday	3:30 – 5:00 pm	MEETING – Hosted by ORC
Monday	1:45 – 3:00 pm	MEETING – Hosted by ORC

HL7 ARCHITECTURE PROGRAM

Wednesday	3:30 – 5:00 pm	MEETING – Hosted by TSC

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 Project
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: CBCC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: Mobile Health
Friday	9:00 – 12:30 pm	MEETING

IMAGING INTEGRATION (II)

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

IMPLEMENTABLE TECHNOLOGY SPECIFICATION (ITS)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/FHIR Project, SOA
	11:00 – 12:30 pm	Joint w/InM
	1:45 – 3:00 pm	Joint w/SD, MnM, V3 Publishing, Tooling
	3:30 – 5:00 pm	Joint w/FHIR Project, InM
Wednesday	9:00 – 10:30 am	Joint w/FHIR Project
	11:00 – 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	Joint w/FHIR Project, ITS

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 MEMBERSHIP AND AFFILIATION TASK FORCE (IMATF)

Wednesday	9:00 – 5:00 pm	MEETING

INTERNATIONAL MENTORING COMMITTEE (IMC)

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

MARKETING COUNCIL

Monday	3:30 – 5:00 pm	Joint w/Education, IMC
Tuesday	11:00 – 12:30 pm	MEETING

MOBILE HEALTH (MH)

Wednesday	9:00 – 3:00 pm	MEETING
Thursday	3:30 – 5:00 pm	Joint w/Dev

MODELING & METHODOLOGY (MnM)

Sunday	11:00 – 5:00 pm	MEETING
Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/FHIR Project
Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/SD, ITS, V3 Publishing, Tooling
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Host: Voc
Thursday	9:00 – 12:30 pm	MEETING
	5:30 – 8:00 pm	FACILITATORS' ROUNDTABLE
Friday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/FHIR Project

NETWORKING RECEPTION

Wednesday	5:15 – 7:00 pm	RECEPTION

NURSES MEETING

Tuesday	7:00 – 8:00 am	MEETING

'OPEN SPACE' MEETINGS

Monday – Tuesday	6:00 – 8:00 pm	Open Forums – Self-organized – Sign up sheet will be on bulletin board

ORDERS & OBSERVATIONS (O&O)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: PC
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: Pharm, PS, RCRIM, PHER
	1:45 – 3:00 pm	Hosting: Clin Gen
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: II, AP
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/FHIR Project
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/CS
	3:30 – 5:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

ORGANIZATION AND PROCESS ORIENTATION/INTRODUCTION

Sunday	5:00 – 6:00 pm	ORIENTATION/INTRODUCTION

ORGANIZATIONAL RELATIONS COMMITTEE (ORC)

Sunday	3:30 – 5:00 pm	Hosting: HL7 Activities With Other SDOs
Monday	1:45 – 3:00 pm	Hosting: HL7 Activities With Other SDOs
	3:30 – 5:00 pm	MEETING

PATIENT ADMINISTRATION (PA)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/PC
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/FHIR Project
	3:30 – 5:00 pm	MEETING
Wednesday – Thursday	9:00 – 5:00 pm	MEETING

PATIENT CARE (PC)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/O&O
Tuesday	9:00 – 10:30 am	Hosting: PA

PATIENT CARE (PC) (continued)

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

PATIENT SAFETY (PS)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: PHER
	11:00 – 12:30 pm	Joint w/O&O, Pharm, RCRIM, PHER
	1:45 – 3:00 pm	Joint w/RCRIM
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/EHR, PHER, PC, CIC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PC, Pharm, CDS, EHR

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, PS, RCRIM, PHER
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PC, PS, CDS, EHR
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: SOA
	1:45 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/FHIR Project
	11:00 – 5:00 pm	MEETING

PHYSICIANS MEETING

Wednesday	7:00 – 8:00 am	MEETING

POLICY ADVISORY COMMITTEE

Wednesday	9:00 – 10:30 am	MEETING

PROCESS IMPROVEMENT COMMITTEE (PIC)

Thursday	11:00 – 12:30 pm	MEETING

PROJECT SERVICES

Wednesday	12:30 – 1:30 pm	Project Management Roundtable Luncheon/Meeting
Thursday	1:45 – 3:00 pm	MEETING

PUBLIC HEALTH & EMERGENCY RESPONSE (PHER)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/SD
Tuesday	9:00 – 10:30 am	Joint w/PS
	11:00 – 12:30 pm	Joint w/O&O, Pharm, PS, RCRIM
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/PC, CIC
	11:00 – 12:30 pm	Joint w/EHR, PC, PS, CIC
	1:45 – 3:00 pm	Joint w/CDS, AS
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

PUBLISHING

Tuesday	11:00 – 12:30 pm	V3 – Joint w/FHIR Project, Tooling
	1:45 – 3:00 pm	V3 – Joint w/SD, ITS, MnM, Tooling
Wednesday	1:45 – 3:00 pm	V2 – Hosting: Voc
	1:45 – 3:00 pm	V3 – MEETING
Thursday	9:00 – 10:30 am	V2 – MEETING
	11:00 – 12:30 pm	V2 and V3 – Joint w/ES, Education
	3:30 – 5:00 pm	V2 – Hosting: V3
Friday	11:00 – 12:30 pm	V3 – MEETING

REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)

Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/O&O, Pharm, PS, PHER
	1:45 – 3:00 pm	Hosting: PS
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/CIC
Thursday	9:00 – 12:30 pm	MEETING

RIM BASED APPLICATION ARCHITECTURE (RIMBAA)

Monday	3:30 – 5:00 pm	Joint w/Tooling
Tuesday	1:45 – 3:00 pm	MEETING
	7:00 – 9:00 pm	Joint w/Tooling
Thursday	9:00 – 12:30 pm	MEETING

SECURITY (SEC)

Monday	1:45 – 5:00 pm	Hosting: CBCC
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint/EHR, 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	Joint w/FHIR Project, ITS
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PC, EHR
	11:00 – 12:30 pm	Joint w/Pharm
	1:45 – 5:00 pm	MEETING
Friday	9:00 – 12:30 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 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: PHER
Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: ITS, MnM, V3 Publishing, Tooling
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: II
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: CGIT, Voc
	11:00 – 12:30 pm	Joint w/PC, Templates
	1:45 – 3:00 pm	Joint w/FHIR Project
	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
Tuesday	12:30 – 1:30 pm	Luncheon/Meeting
Wednesday	3:30 – 5:00 pm	Hosting: HL7 Architecture Program

TEMPLATES

Thursday	11:00 – 12:30 pm	Joint w/PC, SD
Friday	9:00 – 10:30 am	MEETING

TOOLING

Monday	3:30 – 5:00 pm	Hosting: RIMBAA
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/FHIR Project, V3 Publishing
	1:45 – 3:00 pm	Joint w/SD, ITS, MnM, V3 Publishing
	7:00 – 9:00 pm	Hosting: RIMBAA
Thursday	9:00 – 12:30 pm	MEETING

VOCABULARY (VOC)

Sunday	1:45 – 5:00 pm	MEETING
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/MnM
	11:00 – 12:30 pm	Joint w/FHIR Project
	1:45 – 3:00 pm	Joint w/V2 Publishing
Thursday	9:00 – 10:30 am	Joint w/SD, CGIT
	11:00 – 12:30 pm	MEETING
	3:30 – 5:00 pm	MEETING

DISCLAIMER: Meeting times are subject to change. Please attend the daily General Sessions for room changes, meeting changes, additions and deletion notification. Also check the bulletin boards near the HL7 Registration Desk for updates each day.

GENERAL INFORMATION

"EARLY BIRD" RATE DEADLINE
Advance meeting registration, including payment, is required by August 17, 2012, to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form pages 21-22 for a schedule of meeting fees.

TO REGISTER
Please complete the registration form on pages 21-22 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 August 24. 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.

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. Vegetarian and diabetic meals are available upon request. You must register for each day's lunch on your registration form in order to receive lunch tickets.

GROUND TRANSPORTATION & PARKING
The Hyatt Regency Baltimore is approximately 12.1 miles from the Baltimore Washington International Airport.

Taxi Costs
From the airport: approximately $30 one way
Shuttle: $15 each way
Light Rail: $1.50 each way

The two transportation companies below work with the hotel quite frequently. Their service is good and pricing is competitive.

Z Best Executive
866-675-2271
www.zbestexecutive.com

American Limousine
410-522-0400
www.amerlimo.com

The Hyatt Regency Baltimore offers discounted self parking at $20 per day.

HOTEL INFORMATION
HL7's September Plenary & Working Group Meeting will be held at the Hyatt Regency Baltimore on the Inner Harbor.

Hyatt Regency Baltimore on the Inner Harbor
300 Light Street
Baltimore, MD 21202
+1 (410) 528-1234 phone
+1 (410) 685-3362 fax

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/Resweb.do?mode=welcome_ei_new&eventID=3371452 and simply follow the reservation instructions. Please note the group rate rooms are run of the house, which means the room type is based on the best available at check in, not prior to arrival. Room type will be available on the registration form, but it is only a request. Requests will be noted and are based on availability.

Alternatively, you can call +1 (888) 421-1442 for reservations. Be sure to mention Health Level Seven to receive the discounted room rate of $199 per night for single or double occupancy. These rates will be offered three days prior and three days after the meeting dates, subject to availability of rooms at the time of reservation. Remember, space is limited, so reserve your room early. Discounted room rates are available only on reservations made before Friday, August 17, 2012. Room rates are subject to all applicable state and local taxes in effect at time of check in.

For those making a reservation under the government rate of $145, log on to https://resweb.passkey.com/Resweb.do?mode=welcome_gi_new&groupID=5543165 and enter the access code HLSGOV0912. Requests will be noted and based on availability. There are also a limited number of government rooms available at the discounted rate so reserve your room early!

Wireless Internet
Discounted Wireless Internet in each guest room is available at $4.99 per day.

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 hotel room at our host hotel. Thank you!

MEETING REGISTRATION FORM

1. Contact Information

End of day on August 17, 2012 is the deadline for Early Bird fees and hotel registrations. All advance registrations must be received by end of day on August 24, 2012. 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 _____

Are you a member within the last 30 days? _____ Emergency Contact _____

2. Survey & Information

I am a/an:
- ☐ Affiliate Chair
- ☐ Facilitator — MnM
- ☐ Facilitator — Publishing
- ☐ Facilitator — Vocabulary
- ☐ Facilitator — Steering Division
- ☐ First-Time WGM Attendee
- ☐ HL7 Board Member
- ☐ HL7 Work Group Co-Chair
- ☐ Past Board Chair
- ☐ Plenary Speaker
- ☐ Tutorial Speaker

☐ 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, CEN/TC 251, CHCF, CLSI, CHA, DICOM, GS1, IEEE, IHE, IHTSDO, IRISS, LOINC, NCPDP, NAACCR, 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: _____

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

- ☐ International Council Meeting (Sunday)
- ☐ HL7 Networking Reception (Wednesday)
- ☐ Co-Chair Dinner/Meeting (Monday)
- ☐ Affiliate Chair or Designated Rep Luncheon (Thursday)

Deadline for Discounted Rates: Payment must be received by August 17, 2012 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.

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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.

	Members Before 8/17	Members After 8/17	Non-Members Before 8/17	Non-Members After 8/17	Amount Due
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.	☐ $35	☐ $35	☐ $35	☐ $35	$ _____
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.*	☐ $770	☐ $1,045	☐ $1,045	☐ $1,350	$ _____
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.*	☐ $220/day	☐ $290/day	☐ $290/day	☐ $360/day	$ _____

☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday _____ days attending x fee: $ _____

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

Registration questions: Please e-mail reginfo@HL7.org. You will receive confirmation of registration by email. If you have not received a confirmation of registration within two weeks after registration, call Mary Ann Boyle at +1 (734) 677-7777. Please bring your confirmation materials to the meeting with you.

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:** Introduction to HL7 FHIR – **FREE TUTORIAL** (F1) — Must sign up to attend this tutorial (Please check the box.)

☐ **Track 5 – Information Forums:** Hands on with FHIR – **FREE TUTORIAL** (F2) — Must sign up to attend this tutorial (Please check the box.)

☐ **Track 5 – Information Forums:** First-Time Attendees' Orientation – **FREE TUTORIAL** (F3) — Must sign up to attend this tutorial (Please check the box.)

☐ **Track 5 – Information Forums:** Organization & Process Orientation/Introduction – **FREE TUTORIAL** (F4) — Must sign up to attend this tutorial (Please check the box.)

	Members Before 8/17	Members After 8/17	Non-Members Before 8/17	Non-Members After 8/17	Amount Due
MONDAY					
Morning Sessions					
☐ **Track 5 – Information Forums:** First-Time Attendees' Orientation – **FREE TUTORIAL** (F5) — Must sign up to attend this tutorial (Please check the box.)					
Afternoon Sessions					
Track 3 – Special Topics: Introduction to Electronic Health Record (M1)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 3 – Special Topics: Standards for Interoperability (M2)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
TUESDAY					
Morning Sessions					
Track 1 – Version 2.x: Intro to Version 2, Part 1: Control/Patient Administration (T3)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: Introduction to Version 3, Part 1: Fundamentals (T4)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 3 – Special Topics: Consolidated CDA (T5)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
☐ **Track 4 – Meaningful Use:** How to Design and Deliver an HL7 Tutorial – **FREE TUTORIAL** (F6) — Must sign up to attend this tutorial (Please check the box.)					
Afternoon Sessions					
Track 1 – Version 2.x: Introduction to Version 2, Part 2: Orders and Observations (T6)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: Introduction to Version 3, Part 2: Messaging (T7)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 4 – Meaningful Use: InfoButtons for Clinical Decision Support (T8)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
WEDNESDAY					
Morning Sessions					
Track 2 – Version 3 and CDA: Version 3 Data Types and XML ITS (W9)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: Introduction to Clinical Document Architecture (W10)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 4 – Meaningful Use: The Laboratory Results Interface (W11)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Afternoon Sessions					
Track 1 – Version 2.x: Version 2 Message Profiles and Conformance (W12)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: Clinical Document Architecture Advanced (W13)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 4 – Meaningful Use: Immunization Messaging Using HL7 Version 2.5.1 (W14)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
THURSDAY					
Morning Sessions					
Track 1 – Version 2.x: Version 2.7 Control Specialist Certification Test Preparation (TH15)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: CDA Specialist Certification Test Preparation (TH16)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 3 – Special Topics: Advanced Application in Vocabulary (TH17)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
☐ **Track 4 – Information Forums:** Newly Elected Co-Chair Training – **FREE TUTORIAL** (F7) – Must sign up to attend this tutorial (Please check the box.)					
Afternoon Sessions					
Track 2 – Version 3 and CDA: Version 3 Software Implementation (TH18)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 2 – Version 3 and CDA: CDA Communities and Strategies for Implementation (TH19)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Track 3 – Special Topics: Personal Health Record (TH20)	☐ $110	☐ $215	☐ $215	☐ $325	$ _____
Evening Sessions					
Track 1 – Version 2.x: HL7 Version 2.7 Control Specialist Certification Test (TH21)	☐ $145	☐ $145	☐ $215	☐ $215	$ _____
Track 2 – Version 3 and CDA: HL7 CDA Specialist Certification Test (TH22)	☐ $145	☐ $145	☐ $215	☐ $215	$ _____
Track 2 – Version 3 and CDA: HL7 Version 3 RIM Certification Test (TH23)	☐ $145	☐ $145	☐ $215	☐ $215	$ _____

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
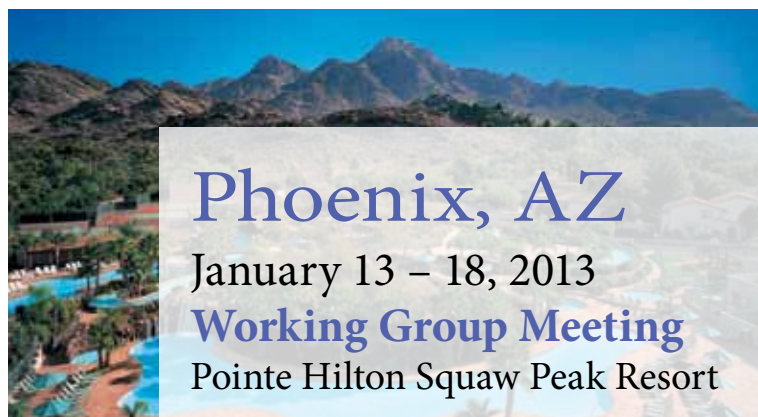
Number: _____

Expiration Date: _____

Billing Street Address: _____

Name on Card: _____

Signature: _____

Phoenix, AZ
January 13 – 18, 2013
Working Group Meeting
Pointe Hilton Squaw Peak Resort

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

Atlanta, GA
May 5 – 10, 2013
Working Group Meeting
Sheraton Atlanta Hotel

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

Cambridge, MA
September 22 – 27, 2013
27th Annual Plenary & Working Group Meeting
Hyatt Regency Cambridge

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
Anatomic Pathology	1
Attachments	1
Clinical Decision Support	1
Clinical Interoperability Council	1
Conformance & Guidance for Implementation/Testing	1
Electronic Services	1
Emergency Care	1
Financial Management	2
Health Care Devices	1
Infrastructure & Messaging	2
International Mentoring	1

Work Group	# being elected
Marketing	1
Mobile Health	3
Modeling & Methodology	1
Orders & Observations	1
Patient Safety	1
Public Health & Emergency Response	2
RIM Based Application Architecture	1
Security	1
Tooling	1
Templates	1
Vocabulary	1

BALTIMORE, MARYLAND

Baltimore is a perfect, contemporary blend of traditional and modern,

a vibrant waterfront metropolis with small-town character. Baltimore is a colorful city on the water that allows visitors to let go and explore at their own pace. Whether exploring its unique neighborhoods, arts and culture scene, family-friendly attractions or historical treasures, Baltimore makes it easy to get around and easy to enjoy.

Baltimore is a destination that is ever-evolving with new and expanding attractions and one-of-a-kind offerings. There are more than 130 attractions to visit in Baltimore — from high art to crazy kitsch, from interactive to entertaining. Where else can visitors explore the beginnings of the American railroad, or visit the fort (Fort McHenry) that inspired Francis Scott Key to pen the National Anthem during the War of 1812?

Inner Harbor visitors can explore world famous attractions such as Harborplace and The Gallery. Enjoy shopping, dining, casual cuisine, or strolling along the waterfront promenade. Witness the mystery and majesty of underwater life at the world renowned National Aquarium. And, get a panoramic view of Baltimore from 27 stories high at the Top of the World Observation Level and Museum. Marvel at the unique hands-on exhibits at the Maryland Science Center and thrill to a movie on the five-story screen of its IMAX Theatre. Enjoy the ambiance of the dramatic Power Plant, home of the Hard Rock Cafe, Barnes & Noble Bookstore, and the first ever Disney collaborated ESPN Zone, a sports-themed entertainment restaurant. For the family to enjoy will be the new Port Discovery children's museum, with exhibits and educational devices designed by Disney.

Just minutes away from the harbor's many attractions is evidence of the city's diverse, charming neighborhoods. Hop aboard a water taxi, twirl pasta in Little Italy, or enjoy an array of nightlife in historic Fell's Point. In addition, art, music, and theater enthusiasts can enjoy Baltimore's wide range of cultural activities.

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