Health Level Seven® International

Unlocking the Power of Health Information

25th Annual Plenary & Working Group Meeting

Town and Country Resort & Convention Center
San Diego, CA • September 11 – 16, 2011

Hotel cutoff—August 19, 2011
Early Bird Registration Cutoff—August 26, 2011
Online Registration Cutoff—September 2, 2011

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Thank You to Our Sponsors

Letter from the Chair

Hello HL7 International Community!

This is my last note to you as your Chair, and there's a lot I want to say.

First, I want to say that this past two years has been one of the most gratifying experiences of my professional career. If you ever read one of those books that talks about the characteristics of a great company, you'll be reading about HL7 International. I have no doubt that HL7 will be around for the foreseeable future, continually growing stronger, more agile, and more responsive. I hope you'll enjoy the Plenary Program we've put together for you, where we'll highlight HL7's first 25 years, and that you'll find it to be both fun and informative.

We've made great progress on our strategic initiatives. It's very satisfying knowing that we've achieved not only a shared set of HL7 priorities, but also a process for keeping those priorities up to date. Together, the Board and Technical Steering Committee have successfully implemented a process for monitoring progress against each of our key initiatives – and we see concrete evidence of progress across all of them.

As I write this in June, trying to predict where we'll be in September, I can tell you that we've struggled to identify new revenue opportunities that feel right – in other words, we could raise dues or start charging more for things, but that's not really what we want to do. We're focusing now on membership growth, finding ways to attract a whole slew of new members. When you think about all the people in the world who have a stake in interoperability, be they clinicians, policy makers, technical experts, vendors, etc., you can see the enormous potential. Chuck Jaffe and I will provide more details on our business planning activities during the morning general sessions.

Finally, I wrote this silly standards poem a few years ago, and I figure this is the only way it's ever going to get published. ☺

OH, TO DREAM

Oh, to find a structured terminology,
rich in domain completeness;
steeped in description logic,
consistency, and finesse.

Oh, to find a clinical document spec,
model-derived XML,
consensus-based and precise,
stakeholders engaged as well.

Oh, imagine if you can, coupling the two.
A conjugial partnership,
codes, nestled in structured fields,
two standards, joined at the hip.

Dare I dream of an unambiguous world?
Dare I dream of what might be?
Yes! Yes! We'll have semantic
interoperability!!

It's been an honor to serve as your Chair these past two years, and I look forward to many more years of collaboration.

Robert H. Dolin

Robert (Bob) H. Dolin, MD
Chair of the Board, 2010-2011, Health Level Seven® International

Celebrating 25 years of HL7
Improving health and healthcare around the world
Monday, September 12, 2011

PROGRAM AGENDA

8:30 – 8:45am **Welcoming Comments**

Bob Dolin, MD
Chair, Health Level Seven
International Board of Directors;
President and Chief Medical
Officer, Lantana Consulting Group

8:45 – 9:05am **Keynote Session 1:**
25 Years in Review: The Good, The Bad
and Lessons Learned

W. Ed Hammond, PhD
Past Board Chair and Current
Member, HL7 International Board
of Directors

9:05 – 9:25am **Keynote Session 2:**
An International Perspective of HL7's 25 Years

Richard Alvarez
President and CEO, Canada
Health Infoway

9:25 – 9:45am **Keynote Session 3:**
Beyond Band-Aids: Interoperability in Action

J. Marc Overhage, MD, PhD
Chief Medical Informatics Officer,
Siemens Healthcare

9:45 – 10:15am Break

10:15 – 11:45pm **Panel Presentation:**
How HL7 has Delivered Value and the Value HL7
has Enabled Through Facilitating Collaboration
with Different Stakeholders

Moderated by
Bob Dolin, MD
Chair, HL7 International Board of
Directors

Jamie Ferguson
VP Health IT Strategy and Policy,
Kaiser Permanente

Robert Stegwee, PhD
Chair, HL7 The Netherlands

Daniel Pollock, MD
Surveillance Branch Chief, Division
of Healthcare Quality Promotion,
Centers for Disease Control and
Prevention

Robert Kolodner, MD
President, Collaborative
Transformations, LLC and
Executive VP & Chief Health
Informatics Officer, Open Health
Tools, Inc.

11:45 – 12:15pm **Celebrating 25 years of Stellar
Achievement:** Views From the Top

Moderated by
Don Mon, PhD
Chair-Elect, HL7 International
Board of Directors

12:15 – 12:30pm **Closing Comments and Vision for
HL7's Future**

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

HL7 Standards for Electronic Health Record Technology: Meaningful Use and Other Initiatives

Monday, September 12, 2011 • 1:45 – 5:00 pm

The session provides an overview of how HL7 standards are and foundational to achieving "Meaningful Use", using certified electronic health record (EHR) technology. It starts with an introduction to the various US national health IT programs and then focuses on quality measurement/reporting and clinical decision support as fundamental to the success of these programs. Key initiatives like clinical document exchange, laboratory reporting, public health surveillance and immunization reporting will be discussed. Finally, a panel of experts present the "experiences from the field" – how small, medium and large providers are achieving Meaningful Use objectives and incentives.

Upon Completion of This Program, Attendees Will Know:

- Various US national health IT programs & their inter-relations
- How HL7 is foundational to achieving Meaningful Use
- How HL7 standards are key for provider submitting data to public health agencies for surveillance reporting, laboratory reporting & submission to immunization registries
- Benefits and challenges to providers achieving Meaningful Use objectives & incentives

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Keynote Address:

Doug Fridsma, MD, PhD (invited)
Director of the Office of Standards and Interoperability at the Office of the National Coordinator, US Department of Health and Human Services

Overview:

Gora Datta
HL7 Ambassador & Group Chairman/CEO CAL2CAL Corporation

- Meaningful Use, Accountable Care, ePrescribing, National Health Information Network (NHIN) and Health Information Exchange

Quality Measurement and Clinical Decision Support
What are the "Quality Measures"

Floyd Eisenberg, MD
Senior Vice President, National Quality Forum

Technology & HL7 Standards:
QRDA/HQMF/QDM/CDS

Bob Dolin, MD
HL7 Board Chair and President of Lantana Consulting Group

PM Break

Key Initiatives

presented by Keith Boone
HL7 Ambassador; HL7 Board Member; Standards Architect, GE Healthcare

Austin Kreisler
Chair, HL7 Technical Steering Committee; Co-Chair, HL7 Orders & Observations Work Group; HL7 Messaging Specialist, SAIC

- Clinical Document Exchange, Laboratory Reporting, Surveillance and Meaningful Use Stage 2 Recommendations

Experiences from the Field – Panel Discussion

moderated by Keith Boone
HL7 Ambassador; HL7 Board Member; Standards Architect, GE Healthcare

Panelists

Small & Medium Provider Perspective

Gora Datta
HL7 Ambassador & Group Chairman/CEO CAL2CAL Corporation

Large Provider Perspective

Dr. Martin Entwistle, MD
Executive Director Center for Health Systems Innovation, Palo Alto Medical Foundation

Large Provider Perspective

Walter Suarez, MD
Director of Health IT Strategy, Kaiser Permanente

What Is A Working Group Meeting?

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

Standards Development

HL7 has more than 40 work groups 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 working group meeting is a great way to learn more about what's happening in a particular area, so you are encouraged to participate in any meeting that interests you.

Educational Sessions

This working group meeting will offer numerous educational opportunities. Sessions will cover a full range of HL7-specific topics such as Version 2.x Implementation, Version 3, and the Clinical Document Architecture (CDA®), among others. Educational sessions also branch out to cover general interest industry topics such as the Electronic Health Record, Clinical Decision Support, and Vocabulary Terminology.

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 and CDA Core

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

Track 3 – HL7 Special Topics

The Special Topics track offers a variety of electives on 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), visual integration (CCOW), security and medical logic (Arden Syntax). The Special Topics track also offers advanced or specialized classes in Version 2 or Version 3 subjects that are not considered part of the basic core offerings. Examples include classes in Version 2 and Version 3 tooling, and domain classes such as clinical genomics.

Track 4 – 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 tutorials such as the first timers' orientation, introduction to HL7 organization and process, 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 four tracks.

SATURDAY, SEPTEMBER 10

9:00 – 5:00pm	TSC Meeting

SUNDAY, SEPTEMBER 11

8:30 – 5:00pm	REGISTRATION
9:00 – 3:00pm	HL7 International Council Meeting
9:00 – 3:00pm	Architectural review Board (ArB) Meeting
1:45 – 5:00pm	Modeling & Methodology (MnM) Meeting
1:45 – 5:00pm	Anesthesiology (GAS) Meeting
3:30 – 5:00pm	HL7 Activities with Other SDOs
3:30 – 5:00pm	International Mentoring Committee Meeting
3:30 – 5:00pm	**HL7 Version 3 Message Specification Development Tools – FREE TUTORIAL – FACILITATORS ONLY**
4:00 – 5:00pm	**HL7 First-Time Attendees' Orientation – FREE TUTORIAL**
5:00 – 6:00pm	**HL7 Organization and Process Orientation/Introduction – FREE TUTORIAL**
7:00 – 9:00pm	TSC Meeting

MONDAY, SEPTEMBER 12

7:00 – 8:00am	**HL7 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	**Clinical Decision Support: HL7 Standards and Practical Applications**
1:45 – 5:00pm	**Standards for Interoperability**
1:45 – 5:00pm	Ambassador Program: HL7 Standards for Electronic Health Record Technology: Meaningful Use and Other US Initiatives
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	Technical & Support Services Steering Division
7:00 – 8:30pm	Structure & Semantic Design Steering Division

TUESDAY, SEPTEMBER 13

7:00 – 8:00am	**HL7 Organization and Process Orientation/Introduction – FREE TUTORIAL**
7:00 – 8:00am	Continental Breakfast
7:00 – 8:00am	Nurses Breakfast Meeting
7:00 – 5:00pm	REGISTRATION
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	**Introduction and Overview of the SAIF Canonical Ballot**
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
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	**Version 3 Software Implementation**
3:00 – 3:30pm	Afternoon Break
3:30 – 5:00pm	Architectural review Board (ArB) Meeting
3:30 – 9:00pm	Board of Directors' Meeting
6:00 – 8:00pm	Open Space Meetings – Self Organized

WEDNESDAY, SEPTEMBER 14

7:00 – 8:00am	Continental Breakfast
7:00 – 8:00am	**How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**
7:30 – 5:00pm	REGISTRATION
8:00 – 8:45am	General Session – HL7 Annual Business Meeting, Awards Presentations, Announcements
9:00 – 12:30pm	**Version 2 Message Profiles and Conformance**
9:00 – 12:30pm	**Introduction to Clinical Document Architecture**
9:00 – 12:30pm	**Version 3 Data Types R1 and R2**
9:00 – 5:00pm	Working Group Meetings
10:30 – 11:00am	Morning Break
12:30 – 1:30pm	Project Facilitators' Roundtable Luncheon
1:45 – 5:00pm	**Version 2.6 Control Specialist Certification Review**
1:45 – 5:00pm	**Clinical Document Architecture Advanced**
1:45 – 5:00pm	**Introduction to Vocabulary in HL7**
3:00 – 3:30pm	Afternoon Break
3:30 – 5:00pm	SAIF Architecture Program Update
5:15 – 7:00pm	Networking Reception

THURSDAY, SEPTEMBER 15

7:00 – 7:45am	**Newly Elected Co-Chair Training – FREE TUTORIAL**
7:00 – 8:00am	Continental Breakfast
7:30 – 5:00pm	REGISTRATION
8:00 – 8:45am	General Session – Announcements
9:00 – 12:30pm	**CDA Specialist Certification Exam Review**
9:00 – 12:30pm	**HL7 Standards for Meaningful Use**
9:00 – 12:30pm	**Security and Risk Analysis**
9:00 – 5:00pm	Working Group Meetings
10:30 – 11:00am	Morning Break
12:30 – 5:00pm	Affiliate Chair or Designated Rep Luncheon/Meeting **(Must register)**
1:45 – 5:00pm	**Continuity of Care Document**
1:45 – 5:00pm	**Personal Health Record**
1:45 – 5:00pm	**HL7 Version 3 Message Specification Development Tools**
1:45 – 5:00pm	Architectural review Board (ArB) Meeting
3:00 – 3:30pm	Afternoon Break
5:30 – 7:30pm	**HL7 Version 2.6 Control Specialist Certification Exam**
5:30 – 7:30pm	**HL7 CDA® Specialist Certification Exam**
5:30 – 7:30pm	**HL7 Version 3 RIM Certification Exam**
5:30 – 8:00pm	Modeling & Methodology (MnM) Facilitators' Roundtable

FRIDAY, SEPTEMBER 16

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	Lunch

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

Tutorials

T4 – Introduction to Version 2, Part 1, Control/Patient Administration

Tuesday, September 13 / 9:00 am – 12:30 pm

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

This Tutorial Will Benefit:

- Those new to HL7

Faculty:

Hans J. Buitendijk M.Sc., FHL7: Treasurer, HL7 Board of Directors; Co-Chair, Clinical Statement; Co-Chair, HL7 Orders and Observations; Standards and Regulations Manager, Siemens Medical Solutions Health Services Corporation

T7 – Introduction to Version 2, Part 2: Orders and Observations

Tuesday, September 13 / 1:45 pm – 5:00 pm

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:

Mike Henderson: Co-Chair, HL7 Education Work Group; Principal Consultant, Eastern Informatics

W10 – Version 2 Message Profiles and Conformance

Wednesday, September 14 / 9:00 am – 12:30 pm

This course is designed to explore the concept of conformance within HL7 Version 2 as described in Chapter 2 of Version 2.6. 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 Education Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting

W13 – Version 2.6 Control Specialist Certification Exam Review

Wednesday, September 14 / 1:45 pm – 5:00 pm

This tutorial reviews the message definition; and processing rules and data type definitions of the Control chapters of the HL7 Version 2.6 standard. Upon completion of this tutorial, students will be better prepared to take the HL7 Version 2.6 Control Specialist Certification Exam.

Note: Students are also expected to prepare for the exam by previous study of Chapter 2 (Control), Chapter 2A (Data Types), and Chapter 2B (Conformance) of the HL7 Version 2.5 Standard.

This Tutorial Will Benefit:

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

Faculty:

Mike Henderson: Co-Chair, HL7 Education Work Group; Principal Consultant, Eastern Informatics

TH22 – HL7 Version 2.6 Control Specialist Certification Exam

Thursday, September 15 / 5:30 pm – 7:30 pm

Health Level Seven is pleased to offer certification testing on HL7 Version 2.6, Chapter 2: Control. Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Messaging Standard. Interface analysts, healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates. The knowledge required to pass the exam can be obtained by participation in the HL7 working group meetings, by attending HL7 education sessions, by field work dealing with HL7 interfaces, or simply by self-study of Chapter 2 and 2A of the HL7 Standard Version 2.6 (the standard September be obtained via HL7 membership or non-member purchase on www.HL7.org).

Note: Simply taking the courses offered at this summit 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.

HL7 IS GOING 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.

T5 – Introduction to Version 3, Part 1: Fundamentals
Tuesday, September 13 / 9:00 am – 12:30 pm

Introduction to Version 3 is a rigorous introduction to HL7's 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 the Following:

- 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:

Mead Walker: Member, HL7 Architectural review Board; Mead Walker Consulting

T8 – Introduction to Version 3, Part 2: Messaging
Tuesday, September 13 / 1:45 pm – 5:00 pm

Health Level Seven is famous as a provider of messaging standards. That is, providing the standard format and interaction specifications required for two disparate healthcare systems to communicate at the application level. This tutorial builds on the morning Version 3 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.

Note that the class is based on the latest Version 3 ballot material. The latest Version 3 ballot publication can be accessed and downloaded from http://www.hl7.org/V3ballot/html/welcome/introduction/ index. htm. Students may be interested in reviewing or downloading the ballot material prior to class.

This 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 the Following:

- 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 class. If you would like to take Messaging without the Intro 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:

Mead Walker: Member, HL7 Architectural review Board; Mead Walker Consulting

T9 – Version 3 Software Implementation
Tuesday, September 13 / 1:45 pm – 5:00 pm

This class gives an overview of current technical strategies for implementing solutions based on the Version 3 specifications. How do we populate a message or a CDA document from our repository? What do we do when we receive a document or message? How do we process it? This tutorial will address implementation 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 Know:

- 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: Co-Chair, HL7 RIMBAA Work Group; Sr. Consultant, Ringholm GmbH

W11 – Version 3 Data Types R1 and R2
Wednesday, September 14 / 9:00 am – 12:30 pm

This tutorial provides an in-depth look at Release 1 and Release 2 (ISO 21090) of the Version 3 data types. It covers the abstract data types, their XML representation and implementation aspects.

This Tutorial Will Benefit:
- Anyone who works with the Version 3 data types: Specification designers, analysts, and programmers
- This class will mainly cover the most used data types. The data types have been called "a graduate level course in health informatics" – so anyone working in health informatics may find this useful

Upon Completion of This Tutorial, Students Will Understand:
- The general scope and architecture of the Version 3 data types
- What is different 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 Reference Information Model (RIM) concepts

Faculty:

Kai Heitmann, MD: Heitmann Consulting and Services; Board of Directors, HL7 Germany

W12 – Introduction to Clinical Document Architecture
Wednesday, September 14 / 9:00 am – 12:30 pm

The Clinical Document Architecture (CDA) is HL7's specification for standards-based exchange of clinical documents. CDA is based on the concept of scalable, incremental interoperability and uses Extensible Markup Language (XML), the HL7 Reference Information Model (RIM), and controlled terminology for structure and semantics. This tutorial presents the business case for CDA, its primary design principles, and an overview of the technical specification. The session describes CDA projects supporting meaningful use in the United States as well as others in Europe and Asia/Pacific. It reviews the tools available for CDA creation, management and distribution; and current work on CDA, the Continuity of Care Document (CCD®) and the current work of the HL7/IHE/Health Story Consolidation Project.

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 & 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 (Lead Speaker): Co-Editor, CDA; Co-Chair, HL7 Structured Documents Work Group; CEO, Lantana Consulting Group

Brett Marquard (Co-Speaker): Sr. Interoperability Consultant, Lantana Consulting Group

W14 – Clinical Document Architecture Advanced
Wednesday, September 14 / 1:45 pm – 5:00 pm

CDA implementation requires understanding 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 (Lead Speaker): Chair, HL7 Board of Directors; Co-Editor, CDA; Co-Chair, HL7 Structured Documents Work Group; Physician; President and Chief Medical Officer, Lantana Consulting Group

Calvin Beebe (Co-Speaker): Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic - Rochester, MN

TH16 – CDA Specialist Certification Exam Review
Thursday, September 15 / 9:00 am – 12:30 pm

Upon Completion of This Tutorial:
- Students will be better prepared to take the CDA Certification Exam

This Tutorial Will Benefit:
- Anyone preparing for the CDA Certification Exam
- System analysts or clinical application developers wanting in-depth understanding of the CDA Release 2 standard

Prerequisites:

- 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 & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic - Rochester, MN

TH19 – Continuity of Care Document
Thursday, September 15 / 1:45 pm – 5:00 pm

This tutorial will cover the HL7 Continuity of Care Document and the Level 3 entries, and related CDA specifications, including the ANSI/HITSP Consumer Empowerment Registration and Medication Summary, IHE Profiles making use of the CCD®, and other HL7 specifications making use of CCD constructs (e.g., Health Story).

This Tutorial Will Benefit:

- Implementers of the CCD specification or related specifications will benefit by understanding how to read the CCD specification and related specifications

Upon Completion of This Tutorial, Students Will Know:

- How to implement the CCD

Prerequisites:

- CDA Introduction and Advanced tutorials

Faculty:

Keith W. Boone: Director, HL7 Board of Directors; Co-Chair, HL7 Structured Documents Work Group, Interoperability Architect, GE Healthcare

TH23 – HL7 CDA Specialist Certification Exam
Thursday, September 15 / 5:30 pm – 7:30 pm

Health Level Seven 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.

TH24 – HL7 Version 3 RIM Certification Exam
Thursday, September 15 / 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 on 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 summit 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 12 / 1:45 pm – 5:00 pm

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

- Background and status of the EHR System Functional Model as an ANSI and International 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:

Corey Spears (Lead Speaker): Co-Chair, HL7 Electronic Health Records Work Group; Integration Manager, McKesson Provider Technologies

Helen Stevens, MBA (Co- Speaker): Co-Chair, HL7 Electronic Health Records Work Group; Senior Consultant, Gordon Point Informatics

M2 – Clinical Decision Support: HL7 Standards and Practical Applications
Monday, September 12 / 1:45 pm – 5:00 pm

This tutorial will address the general theme of clinical decision support (CDS) in two parts. First, the presenters will provide introductory material regarding CDS that will enable those unfamiliar with its use to understand the scientific evidence supporting its use, the technical details regarding implementation and a process for deploying it to meet quality, clinical and administrative goals. Second, the presenters will review the details of the entire portfolio of HL7 CDS standards, ranging from accepted ANSI standards, draft standards for trial use and work in progress. These will include Arden Syntax, GELLO, Infobutton, Decision Support Services (DSS), Healthcare Quality Measure Format, Order Set standard and Virtual Medical Record (vMR).

This Tutorial Will Benefit:
- Electronic health record system developers, implementers, administrators and users who desire an introduction to the context and use of clinical decision support
- Implementers who desire to learn the details of accepted and nascent HL7 standards for clinical decision support
- HL7 members who want to learn about how clinical decision support standards relate to other HL7 standards

Upon Completion of This Tutorial, Students Will Know:
- The context of clinical decision support: scientific literature supporting its use, system details needed to provide it and a process for employing it in practical situations
- Details of HL7 clinical decision support standards, draft standards and work in progress, including the Arden Syntax, GELLO, Infobutton, Decision Support Services (DSS) standard, Healthcare Quality Measure Format, Order Set standard and Virtual Medical Record (vMR)

Faculty:
Robert A. Jenders, MD, MS, FACP, FACMI (Speaker): Co-Chair, Clinical Decision Support and Arden Syntax Work Groups; Staff Scientist, National Library of Medicine, US National Institutes of Health; Professor of Medicine; Georgetown University

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

Kensaku Kawamoto, MD, PhD (Co-Speaker): Co-Chair, Clinical Decision Support Work Group; Assistant Professor, Biomedical Informatics, University of Utah

M3 – Standards for Interoperability
Monday, September 12 / 1:45 pm – 5:00 pm

This tutorial provides a survey of the healthcare interoperability standards landscape, pointing out the main features of the terrain and how they link together to perform useful functions. The tutorial has three main parts covering (1) messaging standards such as HL7 Version 2 and Version 3, (2) clinical document standards such as CDA, CCD, CCR and IHE XDS, and (3) terminology standards, such as SNOMED CT and LOINC. It explains how and why these were developed and their complementary roles, each best suited to particular tasks.

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

This Tutorial Will Benefit:
- Relative newcomers to health interoperability, who are still unsure about how everything fits together

Upon Completion of This Tutorial, Students Will Know:
- How the main healthcare interoperability standards relate to each other and which is most suited for particular roles

Faculty:
Diego Kaminker: Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 eLearning Course, Argentina; Chief Developer and Manager, Kern-IT SRL

T6 – Introduction and Overview of the SAIF Canonical Ballot
Tuesday, September 13 / 9:00 am – 12:30 pm

Over the past three years, the HL7 Services-Aware Interoperability Framework (SAIF) has moved from a directive from the CTO to the Architectural review Board (ArB) to develop an Enterprise Architecture for HL7, to a set of four frameworks – Information, Behavioral, Governance, and Conformance and Compliance – which collectively define SAIF as a set of canonical concepts, constructs, and processes. In particular, each framework specifies a "grammar" that can be used to explicitly describe those aspects of various software components – e.g. messages, services, objects, etc. – that most directly impact the ability of those components to interoperate with other components in the same or other enterprise architectures. The SAIF grammars are collected in an HL7 balloted document referred to as the "SAIF Canonical Definition and Description." This HL7 specification is being used by HL7 and other organizations (e.g. NCI, DoD, NeHTA, Canada Infoway) to define SAIF implementation guides (IG) which instantiate the various SAIF canonical grammars in terms of specific concepts, constructs, processes, etc. within the larger context of the SAIF IG's developing organization.

This tutorial is focused on tracing the evolution and maturation of SAIF Canonical to provide attendees with an overview and relatively detailed understanding of each of the four SAIF Canonical Frameworks, how they are inter-related/inter-connected, and how they are instantiated in a SAIF implementation guide. In particular, the tutorial will discuss the use of the ISO standard Reference Model for Open Distributed Processing (RM-ODP) in the SAIF Canonical, as well as how the SAIF Canonical can serve as an adjunct to any number of established enterprise architecture frameworks including TOGAF, Zachman2, RM-ODP, etc.

This Tutorial Will Benefit:
- All HL7 participants interested in understanding the concepts behind the emerging HL7 SAIF Implementation Guide

Upon Completion of This Tutorial, Participants Will Understand:
- Why HL7 has undertaken the effort of defining SAIF Canonical (in addition to the SAIF IG), i.e. the HL7 SAIF Canonical Value Proposition
- The relationship of services and Service-Oriented Architectures (SOAs) to SAIF Canonical

- The relationship of SAIF Canonical to legacy HL7 specifications and activities, particularly messages and documents (CDA)
- The basic structure and function of SAIF Canonical including the content of the Information, Behavioral, Governance, and Enterprise Conformance and Compliance frameworks
- The difference between SAIF Canonical and HL7's Implementation Guide of SAIF (i.e. the HL7 SAIF IG)
- SAIF-based relationships between the HL7 ArB, Technical Steering Committee, and other HL7 work groups
- Implications of SAIF (both Canonical and IG) to HL7 with respect to external groups such as CDISC, OMG, etc.

Prerequisites:
- Awareness of the difficulties and complexities of achieving semantic interoperability using HL7 (or other equivalent) specifications in an increasingly complex international deployment environment

Faculty:
Charlie Mead, MD, MSc (Speaker): Chair, HL7 ArB Work Group

Ron Parker (Co-Speaker): Vice Chair, HL7 ArB Work Group

W15 – Introduction to Vocabulary in HL7
Wednesday, September 14 / 1:45 pm – 5:00 pm

Brief topics include an overview of terminologies and value sets, concept representation in information models and messages, some commonly used vocabularies in healthcare, and Common Terminology Services. Some of these topics are dealt with more deeply and completely in the Advanced Vocabulary tutorial.

This Tutorial Will Benefit:
- Those seeking an overview to terminology in models and messaging, with specific examples in LOINC and SNOMED, and how they are applied in HL7

Upon Completion of This Tutorial, Students Will Know:
- Vocabulary basics – why you need to know about terminology
- Detailed overview of HL7 vocabulary fundamentals
- Tooling overview including: IHTSDO Workbench, Rose tree, and other browsers
- An introduction to Common Terminology Services
- Vocabulary implementation, maintenance and conformance challenges and considerations

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

TH17 – Security and Risk Analysis
Thursday, September 15 / 9:00 am – 12:30 pm

Healthcare today has some of the most diverse needs with regard to sharing of data and the need to securely move patient information among systems. Within Health Level Seven (HL7) there are multiple verticals that consider messaging, structures, data models, coding and the like. Security is the common thread that connects all of them. Increasingly, healthcare organizations and technology vendors are performing assessments (threat risk assessments, privacy impact assessments, business impact assessments, etc.) to ensure installed healthcare technology will have a positive impact on healthcare delivery. These assessments, often called risk assessments, are even mandated for healthcare delivery organizations in some countries. Unfortunately, key decision makers often have difficulty understanding the relevance of the risks identified, and often overlook them when writing standards.

The HL7 Security Risk Assessment Cookbook is intended to enable HL7 domain committees and working groups to publish standards that have taken privacy and security considerations into account. This guide introduces security risk assessments and a process to facilitate completing a security risk assessment for a specific standard. Using this process will facilitate the identification of gaps in a standard's baseline security and privacy, allowing the working group to either update the standard on their own or to send a request to the Security Work Group for assistance in filling the gap. This will lead to standards that include privacy and security as part of their base, reducing the need to "bolt" security on later. As a result, the HL7 standards will better support patient safety and improved patient outcomes.

This Tutorial Will Benefit:
- HL7 work group members to understand how to consider security when writing standards
- All those using HL7 standards to understand how to use the security considerations

Upon Completion of This Tutorial, Students Will Know:
- How to publish standards that have taken privacy and security considerations into account
- Introduction to security risk assessments and a process to facilitate completing a security risk assessment for a specific standard
- Method of identification of gaps in a standard's baseline security and privacy
- Method to send a request to the Security Work Group for assistance in filling the gap
- How to interpret the security considerations when implementing systems based on standards

Faculty:
Diana Proud-Madruga, MEd, GSEC (Lead Speaker): Security Analyst: US Department of Veterans Affairs, Training Specialist: Science Applications International Corporation

John Moehrke (Co-Speaker): Co-Chair, HL7 Security Work Group; Principal Engineer: Interoperability and Security, GE Healthcare

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TH18 – HL7 Standards for Meaningful Use
Thursday, September 15 / 9:00 am – 12:30 pm

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

The Key Components of the Meaningful Use Objectives Are:
- **Tracking key patient-level clinical information** in order to give healthcare providers clear visibility into the health status of their patient populations

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

Evidence of Meaningful Use provides financial incentives to "Eligible Providers" and "Eligible Hospitals" over a five year period: 2011 to 2015. For example, maximum EHR implementation reimbursement available to an individual provider under Medicare is $44,000. Additional clarifications (including exceptions) will be explained during the tutorial.

The HL7 Standards Specified in the Meaningful Use Legislation Are:
- HL7 Version 2 (specific versions will be detailed in the tutorial)
- HL7 CDA and CCD
- Certified EHR (certification criteria based upon the HL7 EHR System Functional Model)
- HL7 Quality Measure & Quality Reporting standards

This Tutorial Will Benefit:
- Providers and hospitals in the US who are eligible to receive the financial incentives under the legislation
- Countries that are considering the introduction of national incentives to encourage EHR adoption

Upon Completion of This Tutorial, Students Will Know:
- What is "Meaningful Use," who has defined it, and what does it mean
- How is it relevant and related to HL7
- Which HL7 standards are mentioned in the "Meaningful Use" regulations

Prerequisites:
- Standards for Interoperability tutorial

Faculty:
Gora Datta: Corporate Member, HL7; HL7 Ambassador; Group Chairman & CEO, CAL2CAL Corporation

TH20 – Personal Health Record
Thursday, September 15 / 1:45 pm – 5:00 pm

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:
Pat Van Dyke, RN: Co-Chair, HL7 EHR Work Group; Director of Information, Security, Privacy and EDI representing Delta Dental Plans Association

TH21 – HL7 Version 3 Message Specification Development Tools
Thursday, September 15 / 1:45 pm – 5:00 pm

This tutorial will provide a step-by-step understanding of the tools that committee contributors and facilitators use to develop and submit content for HL7 Version 3 ballots. It will also cover tooling that work groups and implementers can use to better document their specifications, including the ability to develop documentation targeted at different user groups. This will be a "hands-on" session with participants "following along" by running the tools on their own laptop computers. Instructions on downloading and installing the necessary tools will be provided to students in advance of the tutorial. www.hl7.org/library/datamodel/V3Tooling/toolsIndextm.

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

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

Prerequisites:
This tutorial pre-supposes a detailed familiarity with Version 3 terminology. At a minimum, the prospective student should have

taken or have previous knowledge of the material addressed in the Introduction to Version 3 tutorials. Other courses on the Version 3 track, especially the Version 3 Implementation Part 1 class, are suggested as well. The tutorial will not cover Version 3 terminology, the RIM, representation of concepts in an RMIM, cloning, application roles, etc. It is presumed that the participants are conversant with these topics and simply need to know how to capture the artifacts with the tools

Faculty:

Andy Stechishin (Co-Speaker): Co-Chair, HL7 Implementable Technology Specifications Work Group; Co-Chair, HL7 Publishing Work Group; Co-Chair, HL7 Tooling Work Group; Healthcare Informatics Consultant, Gordon Point Informatics Ltd.

George (Woody) Beeler, PhD (Co-Speaker): Co-Chair, Foundation & Technology Steering Division-HL7 Technical Steering Committee; Co-Chair, HL7 Publishing – Version 3 Work Group; Co-Chair, HL7 Modeling and Methodology Work Group; Principal, Beeler Consulting, LLC

TRACK 4—INFORMATION FORUMS

F1 - HL7 Version 3 Message Specification Development Tools - FREE TUTORIAL For FACILITATORS ONLY
Sunday, September 11 / 3:30 pm – 5:00 pm

See *TH21 – HL7 Version 3 Message Specification Development Tools* (page 12) for complete tutorial details.

F2/F4 – HL7 First-Time Attendees' Orientation – FREE TUTORIAL
Sunday, September 11 / 4:00 pm – 5:00 pm
Monday, September 12 / 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 make sure 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: Co-Chair, Technical & Support Services Steering Division—HL7 Technical Steering Committee; Co-Chair, Electronic Services Work Group; Director, HealthCare Standards, Quest Diagnostics, Inc.

F3/F5 – HL7 Organization and Process Orientation/ Introduction – FREE TUTORIAL
Sunday, September 11 / 5:00 pm – 6:00 pm
Tuesday, September 20 / 7:00 am – 8:00 am

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: HL7 Chief Technical Officer

F6 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL
Wednesday, September 14 / 7:00 am – 8:00 am

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

This Tutorial Will Benefit:
- Anyone who delivers or intends to deliver or develop tutorial information for HL7

Upon Completion of This Tutorial, Students Will Understand:
- The need to identify appropriate content and methodology to meet stakeholder need
- How to develop competencies to meet need
- How to identify expected background of learners
- What a learning plan needs to contain, breaking content into defined timeslots and identified resources/exercises
- Delivery methods and assessment methods and tools
- The need to measure assessment and content against competencies
- How to prepare a proposal for the HL7 Education Work Group
- 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 SIF; Chair-Standards Australia Health Informatics Committee (IT 14), Australia

F7 – Newly Elected Co-Chair Training – FREE TUTORIAL
Thursday, September 15 / 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

Tutorials at a Glance

Topic	Class ID	Speaker	SUN	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM	THU PM
Track 1—Version 2.x											
Introduction to Version 2, Part 1: Control/Patient Administration	T4	Buitendijk				★					
Introduction to Version 2, Part 2: Orders and Observations	T7	Henderson					★				
Version 2 Message Profiles and Conformance	W10	Shakir						★			
Version 2.6 Control Specialist Certification Review	W13	Henderson							★		
HL7 Version 2.6 Control Specialist Certification Exam	TH22	HL7 Staff									5:30 - 7:30
Track 2—Version 3 and CDA											
Introduction to Version 3, Part 1: Fundamentals	T5	Walker				★					
Introduction to Version 3, Part 2: Messaging	T8	Walker					★				
Version 3 Software Implementation	T9	Spronk					★				
Version 3 Data Types R1 and R2	W11	Heitmann						★			
Introduction to Clinical Document Architecture	W12	Alschuler/ Marquard						★			
Clinical Document Architecture Advanced	W14	Dolin/Beebe							★		
CDA Specialist Certification Exam Review	TH16	Beebe								★	
Continuity of Care Document	TH19	Boone									★
HL7 CDA Specialist Certification Exam	TH23	HL7 Staff									5:30 - 7:30
HL7 Version 3 RIM Certification Exam	TH24	HL7 Staff									5:30 - 7:30
Track 3—Special Topics											
Introduction to Electronic Health Record	M1	Spears/Stevens			★						
Clinical Decision Support: HL7 Standards and Practical Applications	M2	Jenders/Del Fiol/ Kawamoto			★						
Standards for Interoperability	M3	Kaminker			★						
Introduction and Overview of the SAIF Canonical Ballot	T6	Mead/Parker				★					
Introduction to Vocabulary in HL7	W15	Klein							★		
Security and Risk Analysis	TH17	Proud-Madruga/ Moehrke								★	
HL7 Standards for Meaningful Use	TH18	Datta								★	
Personal Health Record	TH20	Van Dyke									★
HL7 Version 3 Message Specification Development Tools	TH21	Stechishin/Beeler									★
Track 4—Information Forums—FREE TUTORIALS											
HL7 Version 3 Message Specification Development Tools (Facilitators Only)	F1	Stechishin/Beeler	Q4								
HL7 First-Time Attendees' Orientation	F2/F4	McCaslin	4:00-5:00	7:00-8:00							
HL7 Organization and Process Orientation/Introduction	F3/F5	Quinn	5:00-6:00			7:00-8:00					
How to Design and Deliver an HL7 Tutorial	F6	Grain						7:00-8:00			
Newly Elected Co-Chair Training	F7	VanHentenryck								7:00-8:00	

Meetings Only—No Joint Sessions Listed

	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				★								
Anesthesiology		★		★	★	★						
Architectural review Board	★	Q3				Q4						
Arden Syntax					★	★						
Attachments				★	Q2	★	★	★	★	★		
Board of Directors' Meeting						3:30 - 9:00						
Business Model Task Force					Q1							
Child Health	Will not meet in September											
Clinical Context Object Workgroup					★	★						
Clinical Decision Support							★	Q3	★	★		
Clinical Genomics						★	★	★		Q3		
Clinical Interoperability Council				★	★	★		Q4	★	★		
Clinical Statement										★		
Co-Chair Information				Lunch & 5:15 - 7:00		Lunch			7:00- 7:45			
Community Based Collaborative Care				★		★	Q2	★				
Conformance & Guidance for Implementation/Testing				★	★		★	Q3	Q2	Q3		
Education				★	★	Lunch				★		
Electronic Health Records				★	Q2	★	★	★	★			
Electronic Services								Q2				
Emergency Care				Q4	★			Q2	Q1			
Financial Management				★	★	★	★	★	★	★	★	
First-Time Attendees' Orientation		4:00 - 5:00	7:00 - 8:00	Lunch		Lunch						
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								Q4				
GS1 Education Session							7:00 - 7:45					
HL7 Activities with Other SDOs		Q4										
HL7 Foundation Task Force								Q4				
Health Care Devices				★	★	★	★	Q4	★	★	★	
Imaging Integration						Q3	Q2	Q4				
Implementable Technology Specifications				★		Q4	Q1		★	★		
Infrastructure & Messaging					★	Q3						
International Council	★	Lunch & Q3								12:30 - 5:00		
International Membership and Affiliation Task Force				★								
International Mentoring Committee		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.

Meetings at a Glance

	Sunday AM	Sunday PM	Monday AM	Monday PM	Tuesday AM	Tuesday PM	Wednesday AM	Wednesday PM	Thursday AM	Thursday PM	Friday AM	Friday PM
Marketing Council					Q2			Lunch		Q3		
Modeling & Methodology		★		★	★	Q4	★	Q3	★	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				★	★	★	★	★	★		★	
Organization and Process Orientation/Introduction		5:00 - 6:00			7:00 - 8:00							
Organizational Relations Committee				Q4								
Patient Administration				Q3	Q2	★	★	★		★		
Patient Care					★	★	Q1	★	Q2			
Patient Safety				★	Q1		★	Q3	★			
Pharmacy				★	Q1	★	Q1	★	★	★	★	★
Plenary Meeting		8:30 - 12:30										
Policy Advisory Committee				Q4								
Process Improvement Committee									★			
Project Services								Lunch		Q3		
Public Health Emergency Response				Q3		★	Q2	Q4	★	★		
Publishing								Q3 - V3		★ - V2	Q2 - V3	
Regulated Clinical Research Information Management					★	★	★	★	★			
RIM Based Application Architecture				Q3				7:00 - 9:00		Q3		
SAIF Architecture Program Update								Q4				
Security					★	★			★	★		
Services Oriented Architecture				★	★	Q4	★	Q4	★	★		
Steering Divisions: Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services				7:00 - 8:30								
Structured Documents				★	★	★	★	★	Q1	★	Q2	
TSC Meetings (Note: There is also a meeting scheduled for Saturday, 9/10, 9:00-5:00 pm)		7:00 - 9:00				Lunch						
Templates											Q1	
Tooling					★	7:00 - 9:00			★			
Vocabulary				★	★	Q3	Q2	★	★	★	Q2	

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	7:30 – 8:30 am	Continental Breakfast
Tuesday – Thursday	7:00 – 8:00 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

PLENARY AND 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	

Meeting times and locations are subject to change.
NOTE: In compliance with our status as an ANSI-accredited standards development organization, anyone may register to attend HL7 meetings.

Meetings

AFFILIATE DUE DILIGENCE COMMITTEE
Tuesday	1:45 – 3:00 pm	MEETING

AMBASSADOR PROGRAM
Monday	1:45 – 5:00 pm	HL7 Standards for Electronic Health Record Technology: Meaningful Use and Other US Initiatives

ANATOMIC PATHOLOGY (AP)
Tuesday	9:00 – 10:30 am	Joint w/Voc

ANESTHESIOLOGY (GAS)
Sunday	1:45 – 5:00 pm	MEETING
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING

ARCHITECTURAL review BOARD (ArB)
Sunday	9:00 – 3:00 pm	MEETING
Tuesday	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/SOA
	1:45 – 3:00 pm	Joint w/CGIT
Thursday	1:45 – 5:00 pm	MEETING

ARDEN SYNTAX (AS)
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: CDS, PHER
	1:45 – 5:00 pm	MEETING

ATTACHMENTS
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/SD
	11:00 – 5:00 pm	MEETING
Wednesday – Thursday	9:00 – 5:00 pm	MEETING

BOARD OF DIRECTORS' MEETING
Tuesday	3:30 – 9:00 pm	MEETING

BUSINESS MODEL TASK FORCE
Tuesday	9:00 – 10:30 am	MEETING

CHILD HEALTH (CH)
Will not meet in September

CLINICAL CONTEXT OBJECT WORKGROUP (CCOW)
Tuesday	9:00 – 5:00 pm	MEETING

CLINICAL DECISION SUPPORT (CDS)
Tuesday	11:00 – 12:30 pm	Joint w/AS, PHER
Wednesday	9:00 – 10:30 am	Joint w/SD
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: PHER
	3:30 – 5:00 pm	Joint w/PC
Thursday	9:00 – 10:30 am	Hosting: Clin Gen
	11:00 – 5:00 pm	MEETING

CLINICAL GENOMICS (CLIN GEN)
Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 5:00 pm	MEETING

Thursday	9:00 – 10:30 am	Joint w/CDS
	11:00 – 12:30 pm	Joint w/RCRIM
	1:45 – 3:00 pm	MEETING

CLINICAL INTEROPERABILITY COUNCIL (CIC)
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: EHR
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/PC, CBCC, PHER
	11:00 – 12:30 pm	Joint w/EHR, PC
	1:45 – 3:00 pm	Joint w/PC, Dev
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

CLINICAL STATEMENT
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	Hosting: Sec
Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/PC, CIC, PHER
	11:00 – 5:00 pm	MEETING

CONFORMANCE & GUIDANCE FOR IMPLEMENTATION/TESTING (CGIT)
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 12:30 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: ITS, Tooling
	1:45 – 3:00 pm	Hosting: ArB
Thursday	9:00 – 10:30 am	Joint w/Voc
	11:00 – 12:30 pm	Hosting: SD
	1:45 – 3:00 pm	MEETING

EDUCATION
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: Marketing
	11:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Education Facilitators' Roundtable Luncheon
Thursday	1:45 – 5:00 pm	MEETING

ELECTRONIC HEALTH RECORDS (EHR)
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/CIC
	11:00 – 12:30 pm	Hosting: PS
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: Sec
	11:00 – 12:30 pm	Hosting: CIC, PC
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING

Meetings

ELECTRONIC SERVICES
Thursday	11:00 – 12:30 pm	MEETING

EMERGENCY CARE (EC)
Monday	3:30 – 5:00 pm	MEETING
Tuesday	9:00 – 12:30 pm	MEETING
Wednesday	11:00 – 12:30 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING

FINANCIAL MANAGEMENT (FM)
Monday	1:45 – 5:00 pm	MEETING
Tuesday – Thursday	9:00 – 5:00 pm	MEETING
Friday	9:00 – 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

FRESH LOOK TASK FORCE
Monday	1:45 – 5:00 pm	MEETING

GOVERNANCE AND OPERATIONS COMMITTEE (GOC)
Wednesday	3:30 – 5:00 pm	MEETING

GS1 EDUCATION SESSION
Wednesday	7:00 – 7:45 am	Addressing anti-counterfeiting measures with GS1 standards and processes. ePedigree vs product authentication – the US & Council of Europe vision vs the European Union vision.

HL7 ACTIVITIES WITH OTHER SDOs
Sunday	3:30 – 5:00 pm	MEETING

HL7 FOUNDATION TASK FORCE
Wednesday	3:30 – 5:00 pm	MEETING

HEALTH CARE DEVICES (DEV)
Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/PC, CIC
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING
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
	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/SOA
	1:45 – 3:00 pm	Joint w/SD, MnM, Publishing V-3 Tooling
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/CGIT, Tooling
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

INFRASTRUCTURE & MESSAGING (InM)
Tuesday	9:00 – 3:00 pm	MEETING

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)
Monday	1:45 – 5:00 pm	MEETING

INTERNATIONAL MENTORING COMMITTEE (IMC)
Sunday	3:30 – 5:00 pm	MEETING
Thursday	11:00 – 12:30 pm	Joint w/PIC

MARKETING COUNCIL
Tuesday	9:00 – 10:30 am	Joint w/Education
	11:00 – 12:30 pm	MEETING
Wednesday	12:30 – 1:30 pm	Ambassador Lunch
Thursday	1:45 – 3:00 pm	MEETING

MODELING & METHODOLOGY (MnM)
Sunday	1:45 – 5:00 pm	MEETING
Monday	1:45 – 3:00 pm	Hosting: PC
	3:30 – 5:00 pm	MEETING
Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/SD, ITS, Publishing V-3, Tooling
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: Voc
	11:00 – 3:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING
	5:30 – 8:00 pm	FACILITATORS' ROUNDTABLE
Friday	9:00 – 10:30 am	MEETING

NETWORKING RECEPTION
Wednesday	5:15 – 7:00 pm	RECEPTION

NURSES MEETING
Tuesday	7:00 – 8:00 am	BREAKFAST 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 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: II
	11:00 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/CS
Friday	9:00 – 12:30 pm	MEETING

ORGANIZATION AND PROCESS ORIENTATION/INTRODUCTION
Sunday	5:00 – 6:00 pm	ORIENTATION/INTRODUCTION
Tuesday	7:00 – 8:00 am	ORIENTATION/INTRODUCTION

ORGANIZATIONAL RELATIONS COMMITTEE (ORC)
Monday	3:30 – 5:00 pm	MEETING

PATIENT ADMINISTRATION (PA)
Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PS
Tuesday	9:00 – 10:30 am	Joint w/PC
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	Joint w/SOA
	1:45 – 5:00 pm	MEETING

PATIENT CARE (PC)
Monday	1:45 – 3:00 pm	Joint w/MnM
	3:30 – 5:00 pm	Joint w/O&O
Tuesday	9:00 – 10:30 am	Hosting: PA
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: CBCC, CIC, PHER
	11:00 – 12:30 pm	Joint w/EHR, CIC
	1:45 – 3:00 pm	Hosting: CIC, Dev
	3:30 – 5:00 pm	Hosting: CDS

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

PATIENT SAFETY (PS)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	HOSTING: PA
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/EHR
	1:45 – 3:00 pm	Joint w/RCRIM
	3:30 – 5:00 pm	Joint w/PHER
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: II
Thursday	9:00 – 12:30 pm	MEETING

PHARMACY (PHARM)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	MEETING
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	1:45 – 5:00 pm	MEETING
Thursday – Friday	9:00 – 5:00 pm	MEETING

POLICY ADVISORY COMMITTEE

| Monday | 3:30 – 5:00 pm | MEETING |

PROCESS IMPROVEMENT COMMITTEE (PIC)

| Thursday | 9:00 – 10:30 am | MEETING |
| | 11:00 – 12:30 pm | Hosting: IMC |

PROJECT SERVICES

| Wednesday | 12:30 – 1:30 pm | Project Facilitators' Roundtable Luncheon |
| 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	11:00 – 12:30 pm	Joint w/AS, CDS
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: PS
Wednesday	9:00 – 10:30 am	Joint w/PC, CBCC, CIC
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/CDS
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

PUBLISHING

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

REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)

Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: PS
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: Clin Gen

RIM BASED APPLICATION ARCHITECTURE (RIMBAA)

Monday	1:45 – 3:00 pm	MEETING
Wednesday	7:00 – 9:00 pm	MEETING
Thursday	1:45 – 3:00 pm	MEETING

SAIF ARCHITECTURE PROGRAM UPDATE

| Wednesday | 3:30 – 5:00 pm | UPDATE |

SECURITY (SEC)

| Monday | 1:45 – 5:00 pm | Joint w/CBCC |

Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint/EHR
	11:00 – 12:30 pm	Joint w/SOA
Thursday	9:00 – 5:00 pm	MEETING

SERVICES ORIENTED ARCHITECTURE (SOA)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: ITS
	11:00 – 12:30 pm	MEETING
	3:30 – 5:00 pm	Hosting: Voc
Wednesday	9:00 – 10:30 am	Hosting: ArB
	11:00 – 12:30 pm	Hosting: Sec
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	Hosting: PA
	1:45 – 5:00 pm	MEETING

STEERING DIVISIONS

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

STRUCTURED DOCUMENTS (SD)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: PHER
Tuesday	9:00 – 10:30 am	Hosting: Attachments
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: ITS, MnM, Publishing V-3, Tooling
	3:30 – 5:00 pm	Hosting: II
Wednesday	9:00 – 10:30 am	Hosting: CDS
	11:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: PC, Templates
	11:00 – 12:30 pm	Joint w/CGIT
	1:45 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/Templates, PC, Tooling, Voc
	11:00 – 12:30 pm	MEETING

TSC MEETINGS

Saturday	9:00 – 5:00 pm	MEETING
Sunday	7:00 – 9:00 pm	MEETING
Tuesday	12:30 – 1:30 pm	LUNCHEON MEETING

TEMPLATES

| Thursday | 9:00 – 10:30 am | Joint w/SD, PC |
| Friday | 9:00 – 10:30 am | Hosting: PC, SD, Tooling, Voc |

TOOLING

Tuesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/SD, ITS, MnM, Publishing – V3
	7:00 – 9:00 pm	TOOLING DEMONSTRATIONS
Wednesday	11:00 – 12:30 pm	Joint w/CGIT, ITS
Thursday	9:00 – 10:30 am	Hosting: Publishing – V3
	11:00 – 12:30 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/Templates, PC, SD, VOC

VOCABULARY (VOC)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: AP
	11:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/SOA
Wednesday	9:00 – 10:30 am	Joint w/MnM
	11:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: CGIT
	11:00 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/Templates, PC, SD, Tooling
	11:00 – 12:30 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 26, 2011 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 in US funds ONLY) to:

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

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

Online registration is also available via our website (www.HL7.org). For your convenience, you can pay via a credit card directly from the site or print the registration form and mail it along with payment. Advance registrations MUST include payment. No balance dues will be accepted and registrations received without payment will not be processed **until the time that payment is received.** Registrations received with payment by the Early Bird deadline will receive the Early Bird discount. Registrations where payment is not received by then will require the full registration fee. Advance registrations will be accepted until September 2, 2011. 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 can select another tutorial at that time, or a full refund of the tutorial fee will be made. However, registration fees will not be refunded.

DRESS

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

MEALS

Continental breakfasts, refreshment breaks and lunches are included in the meeting registration fee and will be provided for all registered attendees Monday through Friday.

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

GROUND TRANSPORTATION AND PARKING

Transportation To/From Airport
The Town and Country Resort is located in the heart of San Diego-Mission Valley, only seven miles from San Diego International Airport. Shuttle service between the airport and the Town and Country Resort is available via Cloud Nine Super Shuttle at the shuttle boarding area. Current one way fee for the shuttle is $11. Taxi service is also available for approximately $20-$25 one way.

Parking
Reduced parking is available at $10 per day for all attendees.

RESORT INFORMATION

HL7's 25th Annual Plenary & Working Group Meeting will be held at:

Town & Country Resort and Convention Center
500 Hotel Circle North
San Diego, CA 92108
www.towncountry.com
Phone: +1 (800) 772-8527

To make a regular or government room reservation, HL7 attendees should log on to: https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=3096100 and simply follow the reservation instructions. Under Guest Type, choose Attendee or Government Per Diem and select the type of room you need.

Alternatively, you can call the resort direct at + 1-800-772-8527 to book a reservation. Be sure to mention Health Level Seven to receive the discounted room rate of $152 per night single/double and $172 per night triple/quad or a government room at $131 per night single or double. These rates will be offered 3 days prior and 3 days after the meeting dates, subject to availability of rooms at the time of reservation. Discounted room rates are available only on reservations made before August 19, 2011. Room rates are exclusive of applicable taxes and city assessments. A one night room deposit shall be paid to confirm a reservation.

If you need to cancel your room reservation, please do so 48 hours (2 days) prior to your arrival date and obtain a cancellation number. It must be made by 6 pm to avoid a one night charge.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING RESORT

HL7 urges all meeting attendees to secure their resort reservation at the HL7 Working Group Meeting Host Resort. This resort 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 a reservation at a different resort, HL7 risks falling short on its obligation, which translates to HL7 paying additional costs (penalties) to the resort. 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 resort room at our host resort. Thank you!

1. Contact Information

End of day on August 26, 2011 is the deadline for Early Bird fees. Hotel reservations must be made by the end of the day on August 19, 2011. All advance registrations must be received by the end of the day on September 2, 2011. 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 (ASC X12, ADA, ASTM, CDISC, CEN/TC 251, CHCF, DICOM, GS1, The Health Story Project, IEEE, IHE, Medbiquitous, NAACCR, NCPDP, SNOMED/IHTSDO) and eligible for the member rate. Please list affiliate or organization: _____

☐ I am an approved participant in the student program and eligible to receive   ☐ Discounted fees   ☐ Waived fees (appropriate forms have been completed and sent to HL7).

University attending: _____ Student # _____

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

Please indicate if you plan to attend any of these functions:
- ☐ International Council (Sunday)
- ☐ Co-Chair Dinner/Meeting (Monday)
- ☐ HL7 Networking Reception (Wednesday)
- ☐ Affiliate Chair or Designated Rep Luncheon (Thursday)

Deadline for Discounted Rates: Payment must be received by August 26, 2011 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 on-site can only be paid for in US currency.

3. Registration and Tutorial Fees:

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

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Sunday Meeting Fee:	☐ $35	☐ $35	☐ $35	☐ $35	$ _____
Monday – Friday Option:	☐ $770	☐ $1,045	☐ $1,045	☐ $1,350	$ _____
Per Day Fees:	☐ $220/day	☐ $290/day	☐ $290/day	☐ $360/day	$ _____

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 HL7 Organization and Process Orientation/Introduction.

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

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

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

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, please 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 (continued)

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

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due

SUNDAY

☐ Track 4 – Info. Forums: Version 3 Message Specification Dev. Tools (Facilitators Only) – **FREE TUTORIAL** (F1) — MUST SIGN UP to attend this tutorial (Please check the box.)

☐ Track 4 – Info. Forums: HL7 First-Time Attendees' Orientation – **FREE TUTORIAL** (F2) — MUST SIGN UP to attend this tutorial (Please check the box.)

☐ Track 4 – Info. Forums: HL7 Organization & Process Orientation/Intro – **FREE TUTORIAL** (F3) — MUST SIGN UP to attend this tutorial (Please check the box.)

MONDAY

Morning Sessions

☐ Track 4 – Info. Forums: HL7 First-Time Attendees' Orientation – **FREE TUTORIAL** (F4) — MUST SIGN UP to attend this tutorial (Please check the box.)

Afternoon Sessions

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 3 – Special Topics: Introduction to Electronic Health Record (M1)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Clinical Decision Support (M2)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Standards for Interoperability (M3)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

TUESDAY

Morning Sessions

☐ Track 4 – Info. Forums: HL7 Organization & Process Orientation/Intro – **FREE TUTORIAL** (F5) — MUST SIGN UP to attend this tutorial (Please check the box.)

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 1 – Version 2.x: Intro to Version 2, Part 1: Control/Patient Admin. (T4)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Intro to Version 3, Part 1: Fundamentals (T5)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Intro & Overview of the SAIF Canonical Ballot (T6)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

Afternoon Sessions

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 1 – Version 2.x: Intro to Version 2, Part 2: Orders & Observations (T7)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Intro to Version 3, Part 2: Messaging (T8)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Version 3 Software Implementation (T9)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

WEDNESDAY

Morning Sessions

☐ Track 4 – Info. Forums: How to Design & Deliver an HL7 Tutorial – **FREE TUTORIAL** (F6) — MUST SIGN UP to attend this tutorial (Please check the box.)

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 1 – Version 2.x: Version 2 Message Profiles & Conformance (W10)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Version 3 Data Types R1 and R2 (W11)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Intro To Clinical Document Architecture (W12)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

Afternoon Sessions

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 1 – Version 2.x: Version 2.6 Control Specialist Certification Review (W13)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 2 – Version 3 and CDA: Clinical Document Architecture Advanced (W14)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Intro to Vocabulary in HL7 (W15)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

THURSDAY

Morning Sessions

☐ Track 4 – Info. Forums: Newly Elected Co-Chair Training – **FREE TUTORIAL** (F7) — MUST SIGN UP to attend this tutorial (Please check the box.)

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 2 – Version 3 and CDA: CDA Specialist Certification Exam Review (TH16)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Security and Risk Analysis (TH17)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: HL7 Standards for Meaningful Use (TH18)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

Afternoon Sessions

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 2 – Version 3 and CDA: Continuity of Care Document (TH19)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Personal Health Record (TH20)	☐ $110	☐ $215	☐ $215	☐ $325	$_____
Track 3 – Special Topics: Version 3 Messaging Specification Dev. Tools (TH21)	☐ $110	☐ $215	☐ $215	☐ $325	$_____

Evening Sessions

	Members Before 8/26	Members After 8/26	Non-Members Before 8/26	Non-Members After 8/26	Amount Due
Track 1 – Version 2.x: Version 2.6 Control Specialist Certification Exam (TH22)	☐ $145	☐ $145	☐ $215	☐ $215	$_____
Track 2 – Version 3 and CDA: CDA Specialist Certification Exam (TH23)	☐ $145	☐ $145	☐ $215	☐ $215	$_____
Track 2 – Version 3 and CDA: Version 3 RIM Certification Exam (TH24)	☐ $145	☐ $145	☐ $215	☐ $215	$_____

Total Amount Due $_____

4. Payment Information

Payment must be included in order to process your registration. **Method of Payment (U.S. Dollars, Drawn on U.S. Bank Only)**

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

Number: _____ Expiration Date: _____ Billing Street Address: _____

Name on Card: _____ Signature: _____

Upcoming Co-Chair Elections

The following HL7 work groups will conduct co-chair elections at this Working Group Meeting:

Work Group	# being elected
Arden Syntax	1
Clinical Context Object Workgroup	2
Clinical Decision Support	2
Conformance & Guidance for Implementation/Testing	3
Education	2
Emergency Care	1
Government Projects	1
Imaging Integration	1
Implementable Technology Specifications	1
Infrastructure & Messaging	1
Modeling & Methodology	1
Patient Care	1
Pharmacy	2
Public Health & Emergency Response	1
Publishing (V2)	2
Publishing (V3)	1
Services Oriented Architecture	1
Structured Documents	2

GS1 Education Session

GS1 Education Session

Wednesday, September 14, 2011 • 7:00 – 7:45 am

Addressing anti-counterfeiting measures with GS1 standards and processes. ePedigree vs product authentication – the US & Council of Europe vision vs the European Union vision.

Presenter : *Christian Hay* (GS1 Global)

Upcoming Working Group Meetings

San Antonio, TX

Working Group Meeting
January 15 – 20, 2012 • Hyatt Regency on the Riverwalk

Vancouver, BC

Working Group Meeting
May 13 – 18, 2012 • Sheraton Vancouver Wall Centre Hotel

Baltimore, MD

26th Annual Plenary and Working Group Meeting
September 9 – 14, 2012 • Hyatt Regency Baltimore

Phoenix, AZ

Working Group Meeting
January 13 – 18, 2013 • Pointe Hilton at Squaw Peak Resort

San Diego, California

On Southern California's sun-drenched coast

you will discover the city that will steal your heart —San Diego. Where blue skies keep watch on 70 miles of beaches and a gentle Mediterranean climate begs for a day of everything and nothing.

And in the center of it all is the Town and Country Resort — the location of the HL7 Plenary & Working Group Meeting from September 11–16. From this central location, sandy beaches that stretch for miles along the Pacific are just minutes away, as are SeaWorld Adventure Park, the San Diego Zoo and the sparkling Mission Bay Aquatic Park. And to the North are Legoland California and the Wild Animal Park.

Part of San Diego's inviting appeal is its ideal year-round weather. In fact, the National Weather Service describes San Diego's climate as being the most ideal in the country, with an average daily temperature of 71 degrees and 350 sunny days per year. Though San Diego is known for its near perfect climate and world-renowned attractions, it is also a city with character — rich in the arts and culture and steeped in history. In addition to a nationally recognized theater, San Diego boasts the largest concentration of museums west of the Mississippi. San Diego's Spanish influence is apparent throughout the city from the many enchanting mission-style buildings to the birthplace of San Diego — Old Town State Park, where the history of California began.

Adjacent to the Town and Country Resort, you'll find world-class shopping, diverse dining, entertainment and easy access to San Diego's light-rail trolley system. Board the San Diego Trolley, which stops on property, for convenient transportation downtown to the San Diego Convention Center, historic Gaslamp Quarter, Seaport Village and Old Town State Park, or ride the rail south to the border at Tijuana, Mexico.

San Diego is a haven for golf and aquatic activities with over 65 miles of sandy beaches and over 50 championship golf courses. The Town and Country Resort is centrally located in beautiful Mission Valley and is endearingly referred to as being "10 minutes from everywhere."

Excerpts compliments of the Town and Country Resort & Convention Center.