Health Level Seven International® invites you to take part in the regular cycle ballot openings for balloting HL7 candidate standards and documents for the February 2020 ballot cycle.

The candidate standards and other documents described in this announcement are balloting prior to HL7's February 2020 Working Group Meeting (WGM). Comments received from consensus group members will be addressed at that WGM running February 2-7, 2020 in Sydney NSW Australia.

Special note:
Since we expect to be transitioning FHIR tracking items JIRA during the ballot period, balloters are advised to use spreadsheets to submit their ballot comments.

Thanks for your cooperation.

**Ballot Period Open/Close Dates**

Voting for consensus group members in most ballots in this document will open and close on the following dates. Exceptions for a specific ballot are listed with that ballot description.

**Ballot Open Date:** Friday, December 27, 2019

**Ballot Close Date:** Monday, January 27, 2020

**Consensus Group Enrollment Period**

Consensus Group Enrollment Period is now closed

Important Note: Consensus group signup closes when ballot voting begins.

Changes from the initial announcement are identified in the Update to Ballot Announcement for February 2020 Ballot Cycle document released when this ballot cycle opens.

All those engaged in balloting should be informed that any subsequent ballot of material previously balloted at the normative level will supersede all previous ballots. Any votes or comments from previous ballots will not count towards the new normative ballot; for any comments to be considered again, voters will need to cast a new ballot with comments.

The grid below provides the name of the sponsoring and co-sponsoring Work Group(s) announcing the ballot opening for the ballot listed. Those interested in ballots for a certain attribute can sort the grid: by Work Group, or by product family for example.

<table>
<thead>
<tr>
<th>Work Group</th>
<th>Project ID</th>
<th>Ballot Name</th>
<th>Family</th>
<th>Ballot Iteration</th>
<th>Ballot Description</th>
<th>Last Balloted</th>
<th>Unique Ballot ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Decision Support</td>
<td>1535</td>
<td>HL7 CDS Hooks: Patient-View Hook, Release 1</td>
<td>HL7</td>
<td>1st STU Ballot</td>
<td>This document describes a CDS Hooks Hook Definition for the patient-view hook, which occurs when a user has just opened a patient's record.</td>
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</tr>
</tbody>
</table>
Clinical Quality Information
1499
FHIR
2nd STU Ballot
This implementation guide describes an approach to representing electronic Clinical Quality Measures (eCQMs) using the FHIR Clinical Reasoning Module and Clinical Quality Language (CQL) in the U.S. Realm. However, this Implementation Guide can be usable for multiple use cases across domains, and much of the content is likely to be usable outside the U.S. Realm.
Since the last ballot of this material in 2019MAY, the following changes have been made: This ballot supporting the FHIR R4 version includes numerous changes in support of reconciliation efforts with comment submitters, as well as the inclusion of use cases to support more general quality measurement and public health reporting use cases.
FHIR IG_Q M_R1_D2_2020FEB

Clinical Quality Information
1429
FHIR
3rd STU Ballot
This Implementation Guide defines common data exchange patterns usable for a broad range of value-based health care use cases, including quality measurement and reporting, and public health care reporting.
Since the last ballot of this material in 2019MAY, the following changes have been made: This ballot supporting the FHIR R4 version includes numerous changes in support of reconciliation efforts with comment submitters, as well as the inclusion of use cases to support more general quality measurement and public health reporting use cases. Substantive changes include: 1) Ensuring the guidance addresses challenges associated with pull and subscription exchange mechanisms. 2) Ensuring the exchange mechanisms can support the use of messaging protocols. 3) Ensuring support for additional use cases including Colorectal Cancer Screening and Hospital Reporting for Venous Thromboembolism and Stroke reporting. 4) Ensuring support for communication of quality measurement results.
FHIR IG_Q MEXCHAN_GE_R1_03_2020FEB

Conformance
1396
Version 2 Conformance Methodology, Release 1
V2X-Related
1st Normative Ballot
This specification provides the rules and documentation requirements for profiling HL7 v2 base message definitions. It also provides guidance on how to assemble a set of message profiles to satisfy the requirements of a set of use cases documented in an implementation guide. A goal is to provide specifiers and implementers the mechanisms to define requirements in a clear and precise manner. The intent is to update the conformance methods used and to separate conformance from the base standard.
Since the last ballot of this material in 2019SEP, the following changes have been made: The profile XML schema has been removed from the specification and replaced with a link to the content.
V2_CONFオーRAT_R1_N1_2020FEB

Financial Management
1538
HL7 FHIR® Implementation Guide: Consumer-Directed Payer Data Exchange, Release 1 - US Realm
FHIR
1st STU Ballot
A FHIR R4 based implementation guide for an API similar to the FHIR R3 based CMS Medicare Blue Button 2.0 API that will allow consumer-directed exchange of commercial Health Plan /Payer adjudicated claims data to meet the requirements of the CMS Interoperability and Patient Access proposed rule.
FHIR IG_B LUEBUTTO_N_R1_D1_2020FEB

Financial Management
1517
HL7 FHIR® Implementation Guide: Risk Based Contract Member Identification, Release 1 - US Realm
FHIR
1st STU Ballot
The purpose of this implementation guide is to define the mechanisms (protocols), data structures and value sets to be used for exchanging the Member Attribution Lists (MAL) between providers and payers. The list can be used by providers and payers to implement use cases for Value Based Contracts (VBC), Quality Reporting, Da Vinci Payer Data Exchange (PDex), Da Vinci Clinical Data Exchange (CDex) among others.
FHIR IG_R ISK_CONT_RACT_R1_D1_2020FEB

Imaging Integration
1392
HL7 FHIR® Implementation Guide: FHIRcast, Release 1
FHIR
2nd STU Ballot
This STU proposes an addition to the current FHIRcast specification which will allow FHIRcast client applications (subscribers) to receive event notifications via a websocket connection, in addition to existing REST web service callback mechanisms.
Since the last ballot of this material in 2019MAY, the following changes have been made: The proposed specification will adhere to the current FHIRcast specification in all cases, unless otherwise specified. All communication from client to server will conform to WebSub and FHIRcast REST API specifications. Only Hub notifications to the client will be over Websockets.
FHIR IG_F HIRCAST R 1_D2_2020 FEB

Infrastruct ure and Messaging
1516
HL7 FHIR® Implementation Guide: Alerts, Release 1 - US Realm
FHIR
1st STU Ballot
The first IG in the framework for notifications among patient's care team members, this IG focuses on the unsolicited notifications for admission and discharge events using FHIR messaging.
FHIR IG_A LERTS_R1_D1_2020FEB
<p>| Infraestructure and Messaging | 1562 | Reaffirmation of HL7 Version 3 Standard: Shared Messaging Release 3 | V3 | 1st Normative Ballot | HL7 Version 3 Shared Messages are a work product produced for expressing common, useful and reusable message types. A Shared Message can be envisioned as a message type that is reusable in interactions in any of the domains within the HL7 standard. This document provides data on common messages such as acknowledgments shared across multiple domains. | REAFF_V3_ORDERS_R1_2020FEB |
| Infraestructure and Messaging | 1542 | Version 2 Guidance: Quality Criteria, Release 1 | V2X-Related | 1st Informative Ballot | This project is to develop and publish clear quality criteria for implementation guides using the Version 2 standard. The criteria will touch on the content of the documents (use cases, technical requirements, constraints applied according to conformance methodology, validity of message examples, etc) as well as the format of the document. | V2_QUAL_CRIT_R1_2020FEB |
| Orders and Observations | 1067 | HL7 Version 3 Domain Analysis Model: Laboratory Orders, Release 2 | HL7 | 1st Informative Ballot | This document provides the artifacts that are relevant for the conceptual modeling, comparable to the Domain Analysis Model according to old methodology. The specification provides the foundation to progress development of a Laboratory Order template capability within Composite Order, as well as demonstrating the use of SAIF conceptual artifacts. Subsequent versions will elaborate the conceptual model and begin definition of the logical model. | HL7_DAM_LABORD_R2_R1_2020FEB |
| Orders and Observations | 1362 | Reaffirmation of HL7 Version 3 Standard: Implantable Device Cardiac - Follow-up Device Summary, Release 2 | V3 | 1st Normative Ballot | The HL7 Version 3 Implantable Device Cardiac (IDC) Follow-up Summary is a message model for describing an observation of an interrogator at a physical location who is performing an interrogation of a therapeutic medical device (bound to a patient) using identifiable interrogation equipment. | REAFF_V3_IDC_R2_R1_2020FEB |
| Orders and Observations | 902 | HL7 Version 3 Standard: Orders; Diet and Nutrition, Release 1 | V3 | 1st Informative Ballot | The HL7 v3 Nutrition Orders Standard – Universal Realm is a messaging specification intended to standardize the exchange of nutrition orders including oral diets, enteral nutrition (tube feeding and infant formula requirements) and nutritional supplements in health care facilities across the continuum of care. Nutrition orders along with documented food allergies, intolerances and food preferences are required to safely provide inpatients or residents with nutrition. Since the last ballot of this material in 2017JAN, the following changes have been made: change from STU to informative level. | V3_ORD_D IETNUT_R1_11_2020FEB |
| Orders and Observations | 1009 | HL7 Version 3 Standard: Care Provision: Food and Medication Preferences, Release 1 | V3 | 1st Informative Ballot | The HL7 v3 Care Provision – Nutrition and Drug Preferences is a messaging specification intended to support and standardize the exchange of patient and resident preferences related to foods and medications. This Universal standard provides a better way to communicate patient food and medication preferences among applications and providers and will help avoid situations which currently lead to preferences being reported as allergies. Since the last ballot of this material in 2014JAN, the following changes have been made: Change from STU to Informative Specification. | V3_PC_FM PREF_R1_1_2020FEB |
| Orders and Observations | 1010 | HL7 Version 3 Specification: Ordering Service Interface Release 1 | V3 | 1st Informative Ballot | The Ordering Service complements existing SDA services and the SAIF Behavioural Framework (BF) for HL7. It provides a Service Functional Model (SFM) for ordering pharmacy, laboratory, radiology, consult and nutritional services individually or part of an order set. The Ordering Service supports interactive applications utilized by healthcare providers, and service-to-service interactions as might be required by a Clinical Decision Support system. Since the last ballot of this material in 2014SEP, the following changes have been made: Change from STU to Informative. | V3_SPEC_ORDERSR_INT_R1_1_2020FEB |</p>
<table>
<thead>
<tr>
<th>Patient Administr ation</th>
<th>1579</th>
<th>Regsfirm</th>
<th>HL7 Version 3</th>
<th>Standard: Patient Administration; Person Registry, Release 1</th>
<th>V3</th>
<th>1st</th>
<th>Normative Ballot</th>
<th>The Person topic defines messages exchanged with Person Registries. The Person information model defines common identifying and demographic data elements that might be collected for persons regardless of the roles they play.</th>
<th>REAF V3 PA PRSN REG R1 N 1_2020FEB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacy</td>
<td>1543</td>
<td>HL7 FHIR® Implementation Guide: Consumer-facing Real-time Pharmacy Benefit Check, Release 1: US Realm</td>
<td>FHIR</td>
<td>1st STU Ballot</td>
<td>This FHIR R4 based implementation guide for an API is similar to the NCPDP Real-Time Pharmacy Benefit Check B2B standard that will allow consumers access to the same information as their providers including information related to their cash price. This information includes formulary and benefit information, OOP costs, therapeutic alternatives, and cash price through an API that would be accessible by the consumer through a third-party application. The final Medicare Part D rule for 2020 hintps: FHIR IG R X BENE PF TCHECK R1 D1 202 0FEB</td>
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<tr>
<td>Public Health</td>
<td>897</td>
<td>HL7 Version 2.6 Implementation Guide: Critical Congenital Heart Defects (CCHD) pulse oximetry screening results, Release 1</td>
<td>V26</td>
<td>2nd Normative Ballot</td>
<td>This implementation guide will focus on standardizing on how CCHD newborn screening information is transmitted from a point of care device to an interested consumer such as public health. Since the last ballot of this material in 2018SEP , the following changes have been made: Apply changes resulting from the Sept 2018 ballot cycle, including the migration of authoring to the NIST IGAMT tool. As well, the look and feel of the IG will be updated to match more recently released v2 IGs. V26 IG C CHD R1 N 2_2020FEB</td>
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<tr>
<td>Public Health</td>
<td>898</td>
<td>HL7 Version 2.6 Implementation Guide: Early Hearing Detection and Intervention (EHDI) Results, Release 1</td>
<td>V26</td>
<td>2nd Normative Ballot</td>
<td>This guide will focus on standardizing on how newborn hearing screening information is transmitted from a point of care device to an interested consumer such as public health. Since the last ballot of this material in 2018SEP , the following changes have been made: Apply changes resulting from the Sept 2018 ballot cycle, including the migration of authoring to the NIST IGAMT tool. As well, the look and feel of the IG will be updated to match more recently released v2 IGs. V26 IG_EH DI R1 N2 2020FEB</td>
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<tr>
<td>Security</td>
<td>914</td>
<td>HL7 Version 3 Standard: Privacy and Security Architecture Framework (PSAF) Provenance Volume 3 is the remaining PSAF volume to be balloted as normative. This ballot rectifies approved disposition changes from the September 2019 ballot including clarification that scope includes both enterprise and federated architectures, the normative vs. informative portions, and various simplifications and corrections noted by commenters. It does not extend the substantive content beyond responding to September ballot comments. Since the last ballot of this material in 2018SEP , the following changes have been made: Changes include clarification that scope includes both enterprise and federated architectures, the normative vs. informative portions, relationship to other Provenance standards, and various simplifications and corrections noted by commenters. V3 PSAF R1 N4 202 0FEB</td>
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<tr>
<td>Services Oriented Architectu re</td>
<td>1420</td>
<td>HL7 Model-based Transformation Service, Release 1</td>
<td>HL7</td>
<td>1st STU Ballot</td>
<td>This document provides a general platform independent Service Functional Model (SFM) specification for an HL7 model-based bi-directional transformation service with exemplar mappings illustrating typical usage. The scope of the SFM is limited to the exchange of data between a source and a target where the source and target are different HL7 Standards (V2, CDA, FHIR). Since the last ballot of this material in 2019MAY , the following changes have been made: Since the previous informative ballot, additional use cases and the Service Functional Model specification for operation and administration have been added along with additional mapping formalisations and exemplars. HL7 MOD EL _XFOR M R1 D1 2020FEB</td>
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<tr>
<td>Structured Documents</td>
<td>Document</td>
<td>HL7 CDA® R2 Implementation Guide: Questionnaire Response Document, Release 1</td>
<td>CDA 3rd Normative Ballot</td>
<td>This ballot is for an implementation guide defining Questionnaire Response Document for purpose of representing patient responses to questionnaires as a structured document reusing and/or enhancing existing CDA templates where possible creating new CDA templates where necessary.</td>
<td>Since the last ballot of this material in 2019MAY, the following changes have been made: This is the second Normative ballot for this document. The changes made to the document reflect the resolutions that were agreed to by the working group. Both substantive and non-substantive changes were made. As this is the second Normative ballot for this IG, the ballot comments are limited to only the substantive changes. The substantive changes were due to the following N1 comments: 2, 5, 8. Comments during this second (N2) ballot are restricted to those (substantive) changes only. The corresponding final reconciliation spreadsheet can be found here: <a href="https://wiki.hl7.org/w/images/wiki.hl7.org/3/31/CDAR2_IG_QRDOC_R1_N2_FinalReconciliationSpreadsheet_Oct.31.2019.xls">https://wiki.hl7.org/w/images/wiki.hl7.org/3/31/CDAR2_IG_QRDOC_R1_N2_FinalReconciliationSpreadsheet_Oct.31.2019.xls</a></td>
<td>CDAR2_IG_QRDOC_R1_N3_2020FEB</td>
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<tr>
<td>Structured Documents</td>
<td>Document</td>
<td>HL7 CDA® R2 Implementation Guide: Structured Form Definition Document, Release 1</td>
<td>CDA 2nd Normative Ballot</td>
<td>This ballot is for an implementation guide defining a Structured Form Definition Document for purpose of representing patient questionnaires as a structured document reusing and/or enhancing existing CDA templates where possible creating new CDA templates where necessary.</td>
<td>Since the last ballot of this material in 2017JAN, the following changes have been made: This is the second Normative ballot for this document. The changes made to the document reflect the resolutions that were agreed to by the working group. Both substantive and non-substantive changes were made. As this is the second Normative ballot for this IG, the ballot comments are limited to only the substantive changes. The substantive changes were due to the following N1 comments: 1, 7, 11, 21, 25, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 45, 46, 47. Comments during this second (N2) ballot are restricted to those (substantive) changes only. The corresponding final reconciliation spreadsheet can be found here: <a href="http://wiki.hl7.org/images/5/50/CDAR2_IG_SFDEFDOC_R1_N1_2017JAN_amalgamated_January042018-FINAL_Jan292019.xls">http://wiki.hl7.org/images/5/50/CDAR2_IG_SFDEFDOC_R1_N1_2017JAN_amalgamated_January042018-FINAL_Jan292019.xls</a></td>
<td>CDAR2_IG_SFDEFDOC_R1_N2_2020FEB</td>
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For more information on ballot procedure, such as general guidelines, and voting, see [Ballot Procedures and Guidelines](#)

NonMember Participation in HL7 Ballots Instructions.pdf

For Help, see Balloting Help