

HL7 Standards Lifecycle

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*This session will be recorded



Agenda

- Welcome from Civitas Networks for Health
- Purpose and Objective of Today's Training
- Part 1 Standards Lifecycle Overview
- Part 2 HL7 Standards and Ballot Process
- Questions



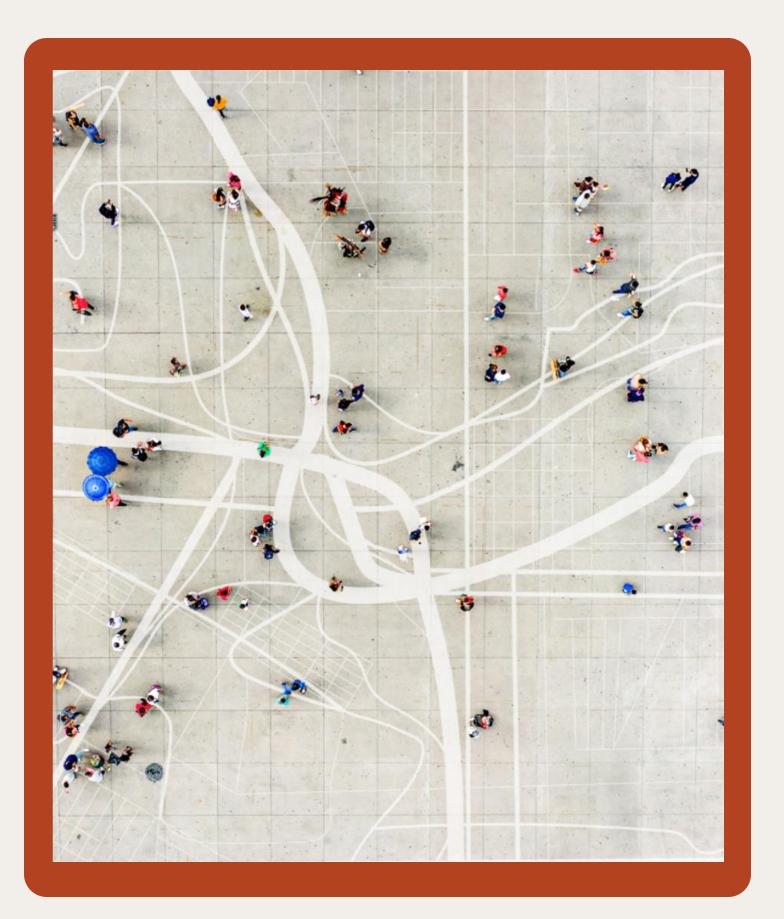
Housekeeping Reminders

- This is a Zoom webinar.
- Please make sure you are muted.
- Please feel free to put questions or comments in the Q&A. These will be answered at the end – time permitting.
- This session is being recorded.

For questions following the meeting, reach out to **mvalu@civitasforhealth.org**







ABOUT CIVITAS

Civitas Networks for Health is a national collaborative comprised of over 170 member organizations working to use health information exchange, health data, and multi-stakeholder, cross-sector approaches to improve health.

Civitas educates, promotes, and influences both the private sector and policymakers on matters of interoperability, quality, coordination, health equity, and cost-effectiveness of health care. The network supports local health innovators by amplifying their voices at the national level and increasing the exchange of valuable resources, tools, and ideas.









Demographic Data Standards Development

Project Team

• This effort is a partnership between Civitas Networks for Health (Civitas), AHIP, and Health Level 7 (HL7) International.

Objective/Scope

AHIP has funded Civitas to launch a project • in partnership with HL7 International to support refinement and development of improved demographic data questions and response choices for race, ethnicity, language, sexual orientation, gender, disability status, military experience, and spirituality.

Next Session

• Summary of Draft Revisions + Next Steps | April 11 at 1:30pm ET





CIVITAS **Networks for Health**





Purpose & Objective

- Provide educational sessions for all interested stakeholders on core topics related to standards development and health information exchange.
- Introduce HL7's processes that guide and promote development of consensus-based health information technology standards.
- This 101-level presentation requires no prior knowledge or experience and is open to anyone who is interested in learning more about HL7's standards development process.









Part 1 - Standards Lifecycle Overview



Coordination of Standards Development and Implementation

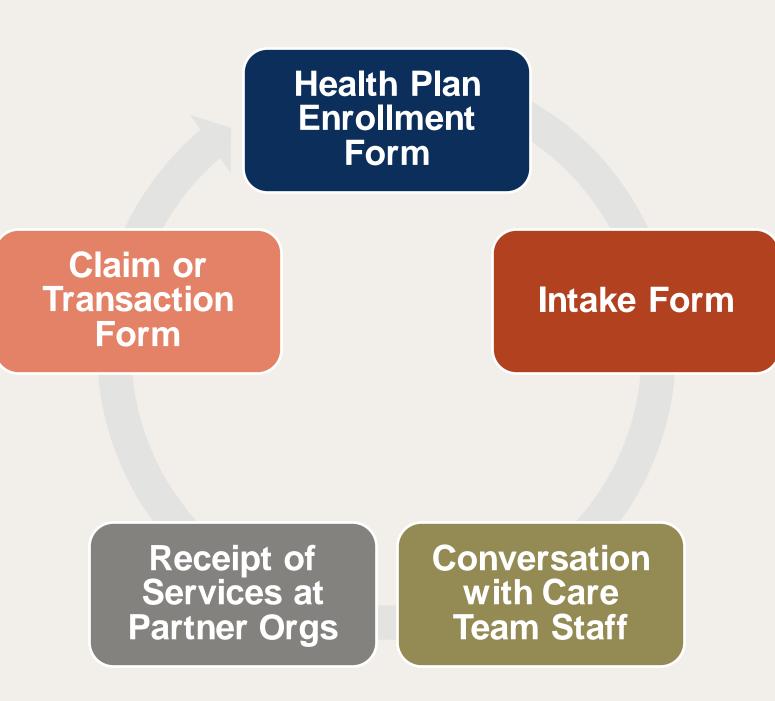


Source: Diego Kaminker 3/6/2023 FHIR 101



Community and Use Case Building

Opportunities for Demographic Data Collection across Healthcare Ecosystem





HL7 Work Groups Involvement in Standards Development

A Affiliate Engagement Committee Arden Syntax Biomedical Research and Regulation Board Motions C CDA Management Group Clinical Decision Support Clinical Genomics Clinical Information Modeling Initiative Clinical Interoperability Council Clinical Quality Information Community-Based Care and Privacy (CBCP) Conformance Cross-Group Projects D Devices 	 F FHIR Community Process Coordination Committee FHIR Infrastructure FHIR Management Group Financial Management G Governance and Operations H Helios HL7 Europe Human and Social Services I Imaging Integration Implementable Technology Specifications Infrastructure and Messaging International Council L Leadership Development and Nomination Committee Learning Health Systems 	 P Patient Administration Patient Care Patient Empowerment Payer/Provider Information Exchange Work Group Pharmacy Policy Advisory Committee Public Health Publishing - Electronic Services and Tooling R Recognition and Awards S Security Services Oriented Architecture Structured Documents T Technical Steering Committee Terminology Authority Terminology Infrastructure Work Group Terminology Infrastructure Work Group Terminology Services Management Group (TSMG)
E Education Electronic Health Records Emergency Care	M Mobile Health O Orders and Observations	U US Realm Steering Committee V V V2 Management Group



Part 2 - HL7 Standards and Ballot Process



Background: What is HL7?

- Consensus based framework (and related standards) for the exchange, integration, sharing, and retrieval of electronic health information.
- Support clinical practice and the management, delivery, and evaluation of health services.
- Standards define
 - how information is packaged and communicated between a sending system and receiving system
 - the language, structure and data types required for seamless integration between systems (e.g. FHIR, V3, C-CDA)
- HL7 encompasses the complete life cycle of a standards specification including authoring, registration, publishing, adoption, market recognition, utilization, and adherence.



Background: Say What? Acronyms

Acronym	In other words	Definition
ANSI	American National Standards Institute	Main organization supporting the US. Goal is to support de industry and government sta (<u>https://www.techtarget.com/sear</u>
DSTU	Draft Standard for Trial Use	Historical term that has been
FHIR®	Fast Healthcare Interoperability Resources	Standard that defines the exe computer using the concept exchange
HL7 [®]	Health Level Seven	Standards organization that integration, sharing, and retri
IG	Implementation Guide	The mechanism/documentat a specific Use Case or cases
SDO	Standards Development Organization	HL7
STU	Standard for Trial Use	Indicator of the adoption and Implementation Guide (STU ²

g the development of technology standards in levelopment of standards in collaboration with akeholders.

archdatacenter/definition/ANSI#)

n replaced with Standard for Trial Use

change of healthcare information between of Resources to identify the data for

rieval of electronic health information

tion that describes how FHIR is used to meet es.

d use as well as maturity level of an J1 – Normative)

All About Standards: Why Use a Standard?

- Facilitate the exchange of data in an interoperable way
 - Know how to exchange the data (format)
 - And what data is being exchanged (content)
- Supports Semantic (exchange) and Semantic (meaning) of data
- HL7 is an ANSI and <u>ISO 9001</u> recognized standard
 - Complies with the procedures outlined by ANSI and ISO in the development of standards



All About Standards: Why a Standards Development Organization (SDO)?

- Interoperability: Format of exchange and content of datasets/resources.
 - Definitions and structures of the data clearly articulated for use across a wide variety of health and system-based use cases.
- Legitimacy: Provide a level of validity and formality.
- Curation of Standards: Identify, and publish global standards for the exchange, integration, sharing and retrieval of electronic information.
- Regulatory Inclusion: Published standards can be referenced and enforced by regulatory specifications.
- **Business Strategy:** Standards are business tools which technology vendors can adopt from in response to market trends.
 - SDOs provide solutions that can be incorporated into a product offering.



The HL7 Ballot Process: What You Need to Know?

- Process is rigorous and outlined by HL7.
 - Those who ballot are required to adhere to the HL7 process.
- HL7 is ANSI and ISO accredited and as such must maintain strict processes.
- Projects typically introduced to HL7 leadership and potential sponsoring workgroups at HL7 Face-to-Face Workgroup Meetings.
 - HL7 has 3 ballot cycles per year which follow the Face-to-Face Workgroup Meetings (January, May, September)



The HL7 Ballot Process: Timeline from STU to Normative

- A typical project takes 12-18 months to complete the entire ballot cycle (STU 1). •
 - Project identification
 - Use Case
 - **Ballot Process**
 - Publication ____



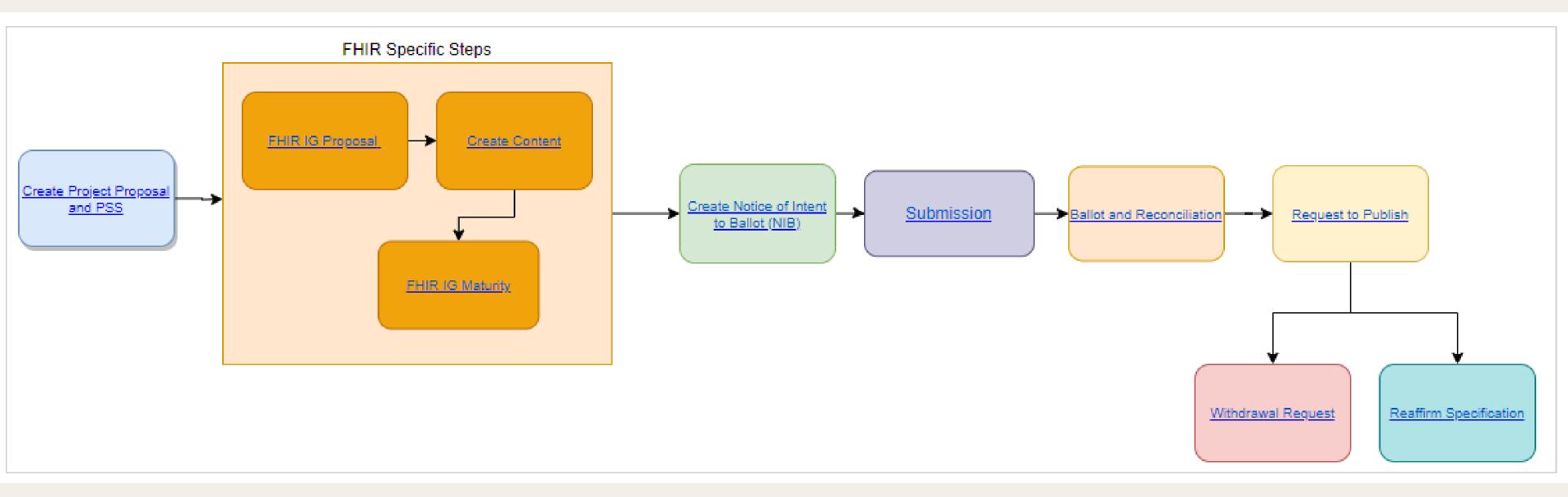
- Moving from Standard for Trial Use (STU) to Normative. •
 - 2-4 ballot cycles ____
 - Demonstrated testing, industry use, and community feedback —
- Normative ballots are the final ballots before the standard becomes a sanctioned/formally recognized • standard.
- To date, standards noted in regulation have not been required to reach "Normative" status to be • referenced in regulation(s).

STU3 9-12 months

STU 4/Normative 12-18 months



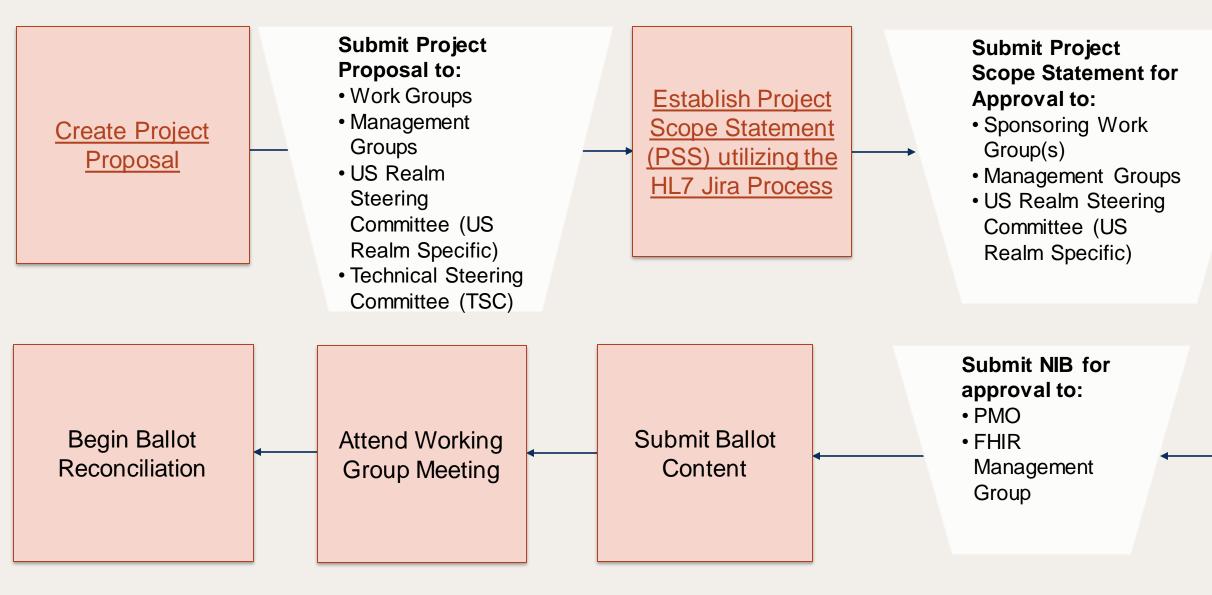
The HL7 Ballot Process: Balloting at-a-Glance



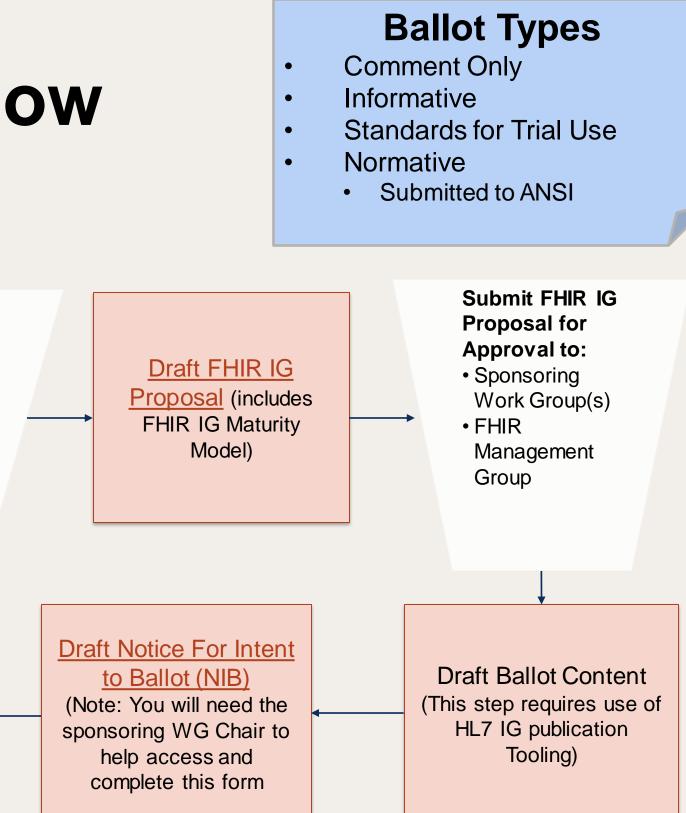
Source: https://confluence.hl7.org/pages/viewpage.action?pageld=111117149



The HL7 Ballot Process: Ballot Flow



Repeat Process Until "Normative Status" is achieved (24 - 48 months)





Steps to Success

Step	
Project Proposal	https://confluence.hl7.org/display/
Project Scope Statement (PSS)	https://confluence.hl7.org/display/ a+Project+Proposal
FHIR IG Proposal	https://confluence.hl7.org/pages/v
Notice for Intent to Ballot (NIB)	https://www.hl7.org/special/comm ctions.pdf

Link

//TPTF/Project+Proposals+Home

/HL7/How+to+Create+and+Review+

viewpage.action?pageId=76162146

nittees/tsc/specialuploads/NIB_Instru



Milestones and Due Dates: HL7 Calendar

HL7 Calendars

HL7 Calendars and Deadlines



Created by Joshua Procious, last modified by Lynn Laakso on Oct 30, 2023

The HL7 calendars page provides a one-page view of the high level HL7 deadlines for the current month; please use the navigation to move forward and backward by month. The calendar includes the Working Group Meeting dates, the Ballot dates, ballot content submission dates, the New Project Scope submission deadlines, Harmonization dates, Work Group co-chair responsibility dates and the dates for Working Group Meeting registration.

Ballot Content calendar refers to the important deadlines Work Groups need to meet if they are balloting any standards or documents.

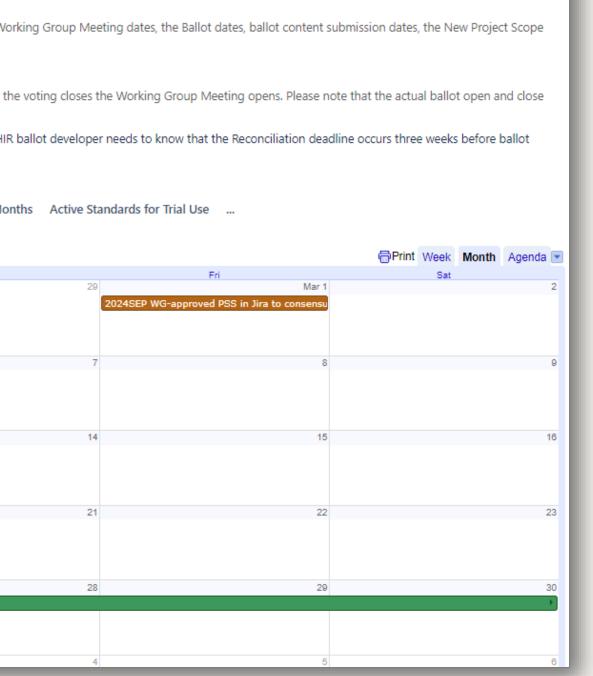
Ballot Voting calendar reports important dates in the current ballot cycle. This calendar lets voters know when ballot sign up begins and ends, when voting opens and closes for the cycle, and when after the voting closes the Working Group Meeting opens. Please note that the actual ballot open and close dates for specific ballots may vary by a few days. Voters should always refer to the Ballot Announcement document posted on the Ballot Desktop where exceptions are noted.

Voters and balloters interested in specific ballots may need to refer to the global calendar or the text descriptions of some entries in the calendar for the full meaning of a deadline entry. For example, FHIR ballot developer needs to know that the Reconciliation deadline occurs three weeks before ballot opening, but not worry about the V3-specific initial content deadline four weeks before ballot opening.

All HL7 Calendars 2024 May Ballot Cycle 2024 September Ballot Cycle Health Informatics Standards Event Calendar ANSI Standards approaching expiration STUs Expiring in Next 6 Months Active Standards for Trial Use ...

Today March 2024 -Sun HL7 Terminology (THO) Content Freeze 2024MAY NIB Deadline 2pm TSC appeal deadline for missed 2024MAY N 12am 2024MAY Ballot NIB Deadline 12am 2024MAY FHIR IG Proposal Approval deadl 12am 2024MAY FHIR IG Publisher/Validator issue 24MAY Consensus Group (ballot pool) Sig 12am 2024MAY FHIR Connectathon Proposals Du 12am 2024MAY Reconciliation Deadline WG approves FHIR IG 12am FHIR Ballot Content freeze 2pm 2024MAY TSC appeal deadline for missed R

HL7 Calendars - HL7 - Confluence

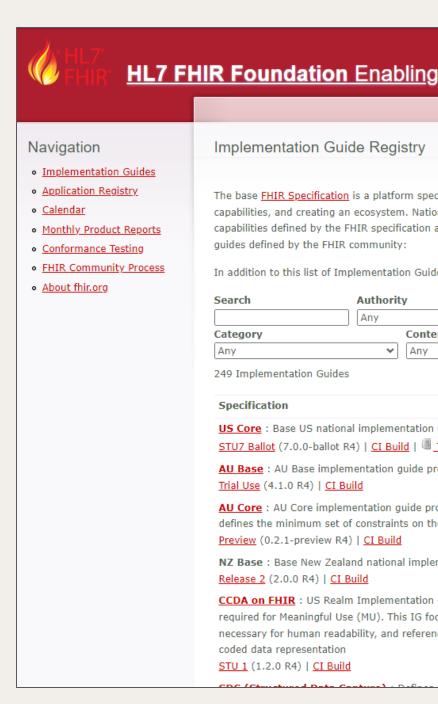




Implementation Guide Registry

Once the IG completes the ballot process

 All code, IG information, contacts are registered and posted on the FHIR <u>Implementation Guide</u> <u>Registry</u>



	FHIR Foundation	Community	Chat
<u>g health interoperability through FH</u>	IR		
are used in particular data exchanges, or to solve particular problem des, the full FHIR registry is at <u>http://registry.fhir.org</u> .	s. Here is a list of some (of the implementati	on
Country Release Product Any Any Any Any ents View Image: Country of the descriptions Hide Descriptions			
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Any	Category National Base	Authority HL7/us	
Any Any Any Any Any Any ents View Gradient Descriptions Any Content of the descriptions a guide Test Server Source Code			
Any Any Any Any Any Any	National Base	HL7/us	
Any A	National Base	HL7/us HL7/au	



Questions?



References

Pacauraa	Link
Resource	
Standards Process	https://confluence.hl7.org/display/HL7/Understanding+the+Sta
Project Proposal	https://confluence.hl7.org/display/TPTF/Project+Proposals+Ho
Project Scope Statement (PSS)	https://confluence.hl7.org/display/HL7/How+to+Create+and+R
FHIR IG Proposal	https://confluence.hl7.org/pages/viewpage.action?pageId=761
Notice for Intent to Ballot (NIB)	https://www.hl7.org/special/committees/tsc/specialuploads/NIE
HL7 Calendar	HL7 Calendars - HL7 – Confluence
FHIR IG Registration	https://www.fhir.org/guides/registry/

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