



The Office of the National Coordinator for
Health Information Technology

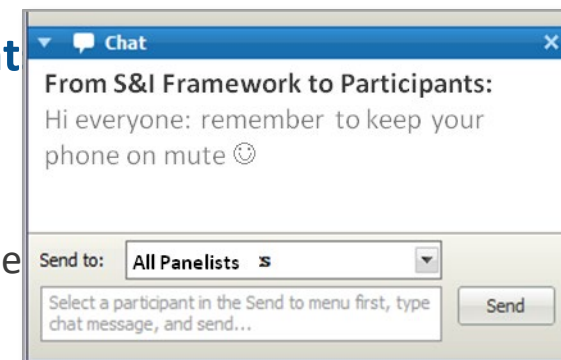
electronic Long-Term Services & Supports (eLTSS) Community Update

March 14, 2019



Meeting Etiquette

- Remember: If you are not speaking, **please keep your phone on mute**
- Do not put your phone on hold. If you need to take a call, hang up and dial in again when finished with your other call
 - » Hold = Elevator Music = frustrated speakers and participants
- This meeting is being recorded
 - » Another reason to keep your phone on mute when not speaking
- Use the “Chat” feature for questions, comments and items you would like the moderator or other participants to know.
 - » **Send comments to ALL PANELISTS** so they can be addressed publicly in the chat, or discussed in the meeting (as appropriate)



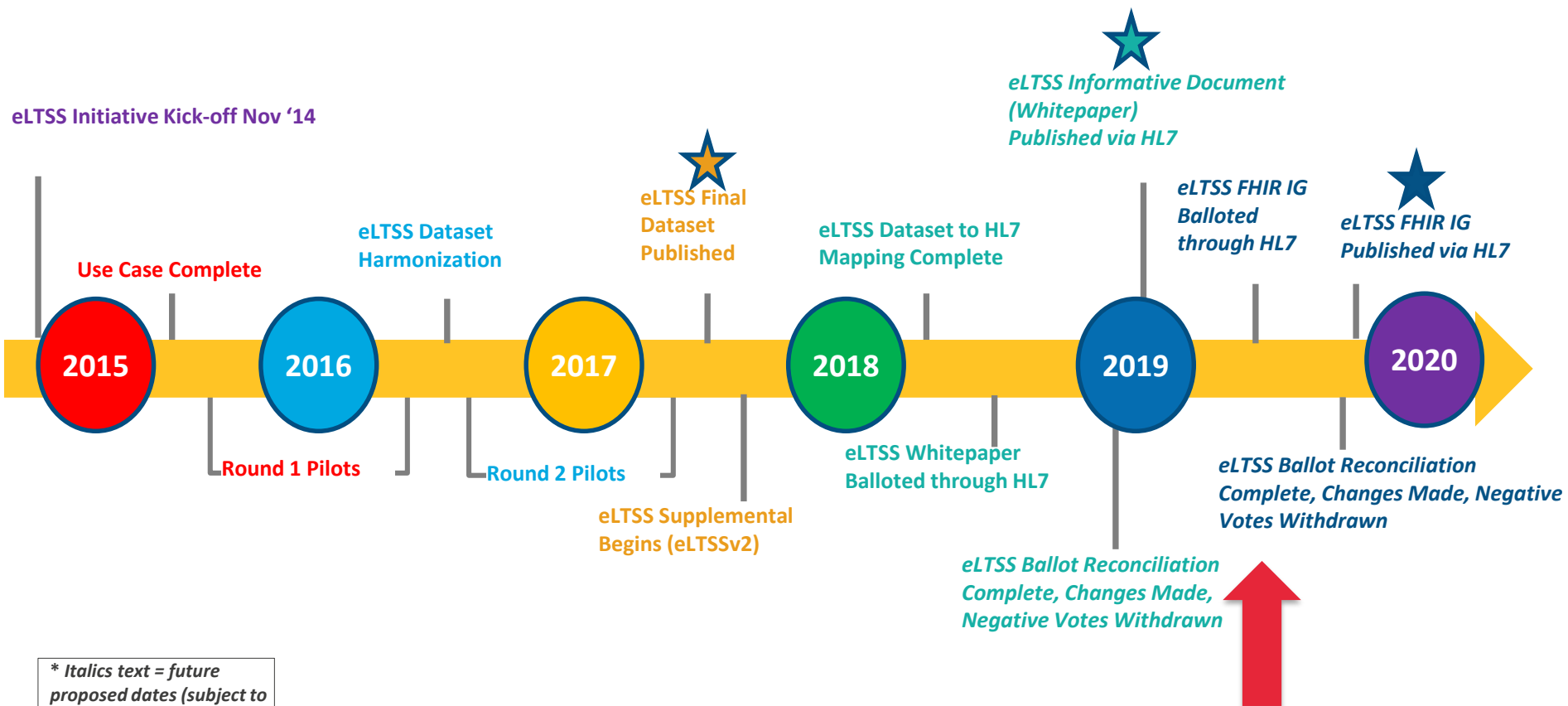
Agenda

Topic	Presenter
Project Overview	Jamie Parker, Carradora
Track 1: eLTSS Informative Document	Bonnie Young, GA
Special Thanks	Liz Palena-Hall, ONC
Track 2: eLTSS FHIR Implementation Guide	Jamie Parker, Carradora Greg White, SRS
Recap of HIMSS Meeting	Liz Palena-Hall, ONC
eLTSS Community Engagement	Liz Palena-Hall, ONC

Project Overview

Project Overview

eLTSS Initiative At-A-Glance



* *Italics text = future proposed dates (subject to change)*



Review of the eLTSS Project

- Joint project between Office of the National Coordinator (ONC) and The Centers for Medicare & Medicaid Services (CMS) made possible by CMS funding.
- Phase 1:
 - » Identified and harmonized a core set of data items commonly found on LTSS Service Plans to facilitate the capture and exchange of person-centered LTSS service plan data
- Phase 2:
 - » Piloted identified and harmonized data items with TEFT grantee states and vendors to validate the eLTSS Dataset
- Phase 3:
 - » Continuation of Phase 1 & Phase 2 broken into 2 Tracks
 - Track 1:
 - Balloted the eLTSS Informative Document through HL7 in the September 2018 ballot cycle outlining how the harmonized and identified data items could be mapped using HL7 FHIR and C-CDA
 - Track 2:
 - Leverage the published eLTSS Informative Document to create an HL7 FHIR Implementation Guide (IG). The eLTSS FHIR IG is included in the May 2019 HL7 Ballot Cycle.



To track and review eLTSS Artifacts including the published eLTSS Dataset please see the eLTSS wiki:
<https://oncprojecttracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home>

eLTSS Timeline:

- **September – December 2018**

- » Conducted ballot disposition on all ballot comments collected during ballot comment period 
- » Updated the eLTSS Informative Document to reflect comment dispositions 

- **January – September 2019**

- » **January:** Submitted revised Informative Document to HL7 for publication 
- » **February:** Informative Document is published by HL7 
- » **January – May:** Develop the eLTSS FHIR Implementation Guide to be included in the May 2019 HL7 ballot.
 - This IG provides robust formal guidance on how to leverage FHIR to exchange eLTSS Dataset data. It will also be able to support continued piloting efforts by implementers.
- » **May – September:** Disposition and reconcile eLTSS FHIR IG ballot comments
 - This process includes reviewing and responding to comments as well as updating and publishing the final IG based on comment resolution.

Track 1: eLTSS Informative Document

eLTSS Informative Document Contents

- Informative Document: Provide the HL7 Community with context and narrative around how two nationally recognized standards, FHIR and C-CDA, can be used to represent and exchange the eLTSS Dataset
- Introduction, Objectives and Background
- LTSS Ecosystem Overview and Information Sharing Use Cases
- FHIR and C-CDA for LTSS Service Plan Information Exchange
 - Approach for Selecting Standards
 - Overview of Selected Standards and Mapping Results
 - Exchanging LTSS Service Plans Using FHIR
 - Exchanging LTSS Service Plans Using C-CDA
- Considerations for Future Work
- Appendices:
 - eLTSS Dataset
 - FHIR and C-CDA Mappings
 - FHIR and C-CDA sample instances
 - C-CDA rendered sample
 - Quality of Mapping Legend

eLTSS Informative Document Publication

- Internal team and government reviews were conducted December 2018 and January 2019
- Our sponsoring workgroup, HL7's Community-Based Care and Privacy (CBCP), voted on and approved the submission of publication request
- A formal request for publication was submitted to HL7 on 1/10/19
- The Informative Document was published by HL7 in February 2019 and is available now for HL7 members and non-members and can be downloaded here:
http://www.hl7.org/implement/standards/product_brief.cfm?product_id=495

» Please note if you are not a member of HL7 you will need to create an account to obtain the document:

1. Select the "Download" button located under the the Informative Document
2. Create User Account
3. Complete the sign up
4. Agree to the Terms and Conditions

Special Thanks

Special Thanks

Georgia Team

State of Georgia Dept of Community Health (DCH)

- Bonnie Young, Program Lead
- Mark Meadows, TEFT HL7 Technical Business Analyst

Georgia Tech Research Institute

- Irina Connelly, Technical Lead
- Jack Wallace, CCDA and FHIR Mapping Lead
- Shane Owens, Health IT Design Lead
- Moon Kim, User Requirements, Policy Analysis Lead
- Stefan Roth, Interoperability Standards Engineer

Thank you for your dedication, leadership, and expertise!

Track 2: eLTSS FHIR Implementation Guide

eLTSS FHIR IG Development (1/2)

- Based on the scenarios articulated in the eLTSS use cases, the FHIR framework is a great fit for enabling eLTSS exchanges due to its focus on streamlined API-based interoperability, flexible and modular approach and comprehensive focus aimed at supporting clinical, administrative and social services workflow needs
- The eLTSS FHIR Implementation Guide (IG) provides implementers with online guidance (e.g. logical models, profiles, capability statements and examples) regarding the conformance requirements for exchanging data between beneficiaries (patients), providers, and care team members using non-clinical and clinical systems using FHIR

eLTSS FHIR IG Development (1/2)

- The eLTSS FHIR IG aligns with FHIR R4 and is based on US Core
- The FHIR IG development process is strict and relies heavily on prescriptive deadlines with each step being dependent on previous steps and outside resources (artifact approvals, tooling modifications/versioning, etc.)
- The goal of this phase of the eLTSS project is to formalize the details published in the eLTSS Informative Document into an eLTSS FHIR IG as a Standard for Trial Use (STU) ballot. An STU balloted IG provides implementers and piloting organizations with comprehensive guidance on how to use FHIR to enable electronic exchange of the eLTSS Dataset data items.

eLTSS FHIR IG Content (1/2)

- Home Page
 - » Includes the Introduction (Background, Use Cases), Scope, US Core Dependency, Actors and Credits
- Table of Contents
 - » Includes a snapshot view of all IG content in an outline format
- Logical Models
 - » Documents the requirements of the LTSS domain without alignment to FHIR
- Profiles
 - » Documents the constraints on FHIR resources to adhere to as part of the implementation guide

The pre-ballot version of the eLTSS FHIR IG can be viewed at: <http://build.fhir.org/ig/HL7/eLTSS/>

eLTSS FHIR IG Content (2/2)

- Mappings
 - » Documents the mapping of eLTSS to FHIR R4 and US Core
- Examples
 - » Demonstrates the use of the eLTSS profiles
- Artifact Index
 - » Provides a list of all FHIR eLTSS IG artifacts (Logical Models, Profiles and Examples)
- Downloads
 - » Provides the reader the ability to download the full Package file, Artifact list, or a copy of the IG that downloaded and hosted locally

The pre-ballot version of the eLTSS FHIR IG can be viewed at: <http://build.fhir.org/ig/HL7/eLTSS/>

HL7 FHIR Balloting Timeline and Artifacts (1/3)

What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Introduce Upcoming Ballot to HL7	<ul style="list-style-type: none"> • Contact FHIR FMG of our upcoming plans and get insight from them on action needed • Attend Jan 2019 HL7 WGM to present our upcoming plans to FHIR, CBCP, and Other Interested WGs (O&O, FM, PC) 	HL7 recommends that prior to officially compiling a ballot that a project considering developing a ballot circulate and introduce the idea of the work to the appropriate HL7 work groups. This allows the work groups to provide guidance and feedback before the formal ballot process begins.	1/18/19 (completed)
Project Scope Statement (PSS)	<ul style="list-style-type: none"> • Modify the existing PSS for the eLTSS Informative Document for the FHIR IG • Need approval from: CBCP WG, FHIR Management Group (FMG), US Realm Steering Committee, Steering Division, Architectural Review Board, and Technical Steering Committee 	This form is the formal introduction of our work to HL7 WGs. This form outlines the sponsoring WGs, project team, project scope and need, and any external drivers and dependencies.	1/27/19 (completed)
FHIR IG Proposal	<ul style="list-style-type: none"> • Complete and submit to FHIR Management Group (FMG) 	Acceptance of proposal will result in the creation of the eLTSS project within the HL7 framework.	1/17/19 (completed)

HL7 FHIR Balloting Timeline and Artifacts (2/3)

What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Notification of Intent to Ballot (NIB)	<ul style="list-style-type: none"> Work with CBCP WG to complete and submit form to HL7 	This officially notifies HL7 of our projects intent to move forward with a ballot for the May 2019 cycle.	1/15/19 (completed)
Functionally Complete IG	<ul style="list-style-type: none"> Work with CBCP FHIR Liaison (John Moerhke) Download and install appropriate HL7 FHIR IG Tooling Develop Profiles Develop FHIR Sample Files Populate required IG sections with Content 	To validate and prioritize ballots and to develop the framework to support the ballots, HL7 is requiring a Functionally Complete IG as part of the NIB package.	2/17/19 (completed)
Final Content	<ul style="list-style-type: none"> Submit Complete FHIR IG to HL7 for QA 	HL7 requires a new QA period for all FHIR ballots to ensure ballots are well developed prior to the ballot period.	3/10/19
Final Freeze	<ul style="list-style-type: none"> Complete and submit FINAL FHIR IG Content (all text, profiles, sample files, etc.) to HL7. 	Required by HL7 – ensures the ballot content and structure is ready for ballot opening.	3/24/19

HL7 FHIR Balloting Timeline and Artifacts (3/3)

What Needs to be Done	How Do We Get It Done?	Why Do It?	When is it Due?
Ballot Consensus Pool	<ul style="list-style-type: none"> Sign up for the eLTSS FHIR IG ballot pool on the HL7 Ballot Desktop 	To vote on an HL7 ballot a voter must sign up to be part of the ballot pool. This is similar to voter registration.	2/25 – 3/28/19
Ballot Period	<ul style="list-style-type: none"> Submit and monitor vote / comments 	This is when the formal voting takes place. Anyone signed up for the ballot pool is able to vote.	3/29 – 4/29/19
May 2019 WGM	<ul style="list-style-type: none"> Held in Montreal (Quebec) Canada Begin comment reconciliation of ballot comments (virtually) 	HL7 requires that ballot results are shared at the working group meeting associated with the ballot. Ballot reconciliation will often begin at the working group meeting.	5/4 – 5/10/19
Ballot Comment Reconciliation	<ul style="list-style-type: none"> Work with ballot voters and CBCP WG to dispose all ballot comments 	Required by HL7 as part of the ballot process.	5/4/2019
Modify IG	<ul style="list-style-type: none"> Make modifications to eLTSS FHIR IG based on comments 	Enhance the specification based on comment feedback.	TBD (based on # of comments)
Publish IG	<ul style="list-style-type: none"> Publish eLTSS FHIR IG using HL7 tooling 	Standard is available for implementation and use.	TBD (dependent on comments)

Sign Up for the eLTSS FHIR IG ballot pool

- As part of the HL7 publication process, the **eLTSS FHIR Implementation Guide (IG)** will be available for **vote and comment** during the **HL7 May 2019 Ballot Cycle**
- In order to vote and comment on the IG, you must sign up for the HL7 ballot pool. **Ballot pool signup is from February 25th – March 28th, 2019.**
- HL7 Members - please visit <http://www.hl7.org/ctl.cfm?action=ballots.loginchoice> and select the **HL7 FHIR[®] Implementation Guide: Electronic Long-Term Services & Supports (eLTSS), Release 1 - US Realm**. Additional ballot instructions can be found [here](#).
- Not an HL7 Member? You may still sign-up as a non-member by following instructions [here](#).
 - » Please note there may be a cost associated for non-members
- Once you have signed up for the consensus group, the voting and comment period will be open between Friday, March 29th and Monday, April 29th

Recap of HIMSS Meeting

Recap of HIMSS Meeting

Recap of 2019 HIMSS Meeting

- Date: February 11 – February 15, 2019
- Location: Orlando, FL
- Breakout session of interest:
 - » Thursday, February 14th 11:30-12:30 pm ET: Electronic Long-Term Services and Supports (eLTSS) Standards
 - » <https://www.himssconference.org/session/electronic-long-term-services-and-supports-eltss-standards>

eLTSS Community Engagement

eLTSS Community Engagement

- Join the HL7 CBCP WG weekly calls to engage and learn more about eLTSS
 - » Tuesdays 12:00 – 1:00pm ET
 - » <http://join.freeconferencecall.com/cbhs>
 - » Conference Audio: (515) 604-9861 / Access Code: 429554
- Sign-up for the eLTSS FHIR IG Ballot Pool (see instructions on previous slides)
- Visit the eLTSS HL7 GForge Site for ballot-related artifacts:
 - » <https://gforge.hl7.org/gf/project/cbcc/docman/eLTSS%20-%20%20ONC%20Electronic%20Long-Term%20Services%20and%20Supports/>
- We are actively seeking pilots to test the eLTSS FHIR IG
 - » If you or your organization is interested in piloting the eLTSS FHIR IG, Please contact Becky Angeles at: becky.angeles@carradora.com
- Visit the eLTSS Confluence Page for meeting information and relevant artifacts:
 - » <https://oncprojecttracking.healthit.gov/wiki/display/TechLabSC/eLTSS+Home>

HL7 Engagement - Upcoming Working Group Meeting

- The next HL7 Working Group meeting and Connectathon will be held May 4th-10th, 2019 in Montreal, Canada
 - » The HL7 Connectathon will be May 4th – 5th
 - » The Working Group Meeting will kick off on Monday May 6th and run through May 10th
- To attend the Connectathon (May 4th-5th), the Working Group meeting (May 6th-10th) or both (May 4th-10th) register at:
http://www.hl7.org/events/working_group_meeting/2019/05/
- Early registration deadline is April 12th

eLTSS Initiative: Project Team Leads

- **ONC Leadership**
 - » Stacy Perchem (Anastasia.perchem@hhs.gov)
 - » Elizabeth Palena-Hall (elizabeth.palenahall@hhs.gov)
- **CMS Leadership**
 - » Kerry Lida (Kerry.Lida@cms.hhs.gov)
- **State of Georgia, Department of Community Health Leadership**
 - » Bonnie Young (bonnie.young@dch.ga.gov)
- **Program Manager**
 - » Johnathan Coleman (jc@securityrs.com)
- **Project Manager**
 - » Amber Patel (ayp@securityrs.com)
- **Subject Matter Expert**
 - » Jamie Parker (jamie.parker@carradora.com)
- **Harmonization Lead**
 - » Becky Angeles (becky.angeles@carradora.com)



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Thank you for joining!



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Appendix A: Track Timeline at a Glance

eLTSS Roadmap 2018 to 2019

Nov – Dec 18

Jan – Feb 19

March – April 19

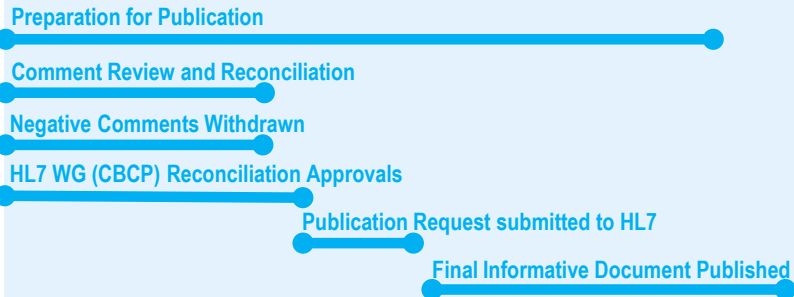
May – June 19

Jul – Aug 19

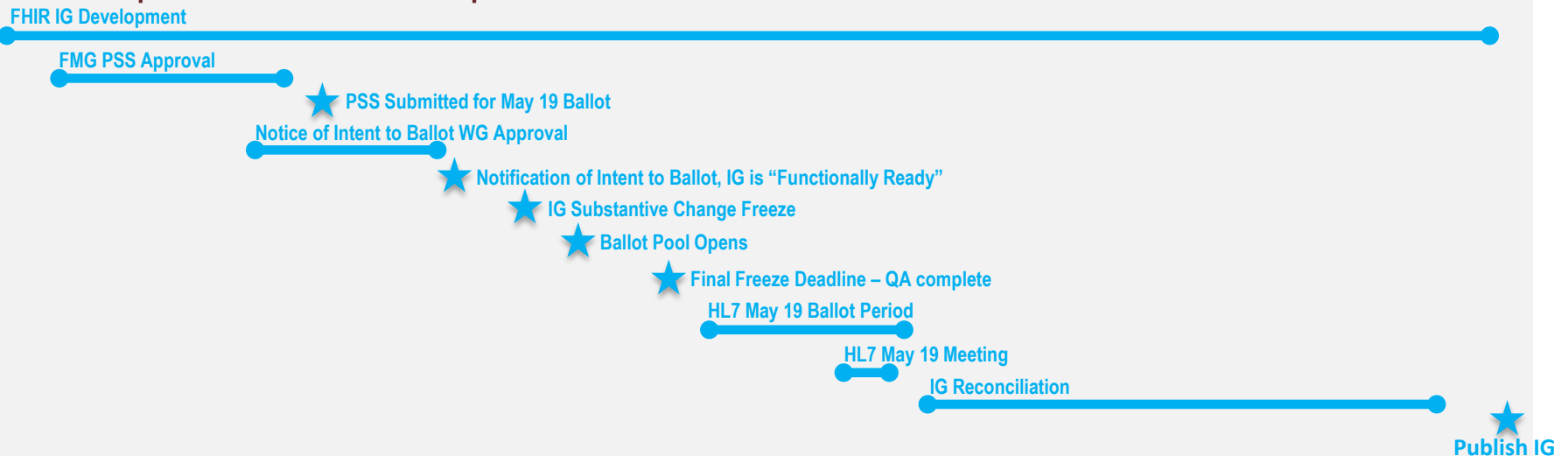
Sep – Oct 19

eLTSS Roadmap: 2018 to 2019

1. HL7 Informative Document Publication Process



2. FHIR Implementation Guide Development



Timeline Key ★ = Project Milestone ●—● = Project Window