HL7 DEV Working Group Three-Year Strategic Plan
May 2021 – May 2024

	Objectives	Workplan	Target Completion Date
1	Manage smooth integration of legacy anesthetic WG with Devices WG (Q1:2021 – Q2:2021)	Review outstanding projects	Q2: 2021
2	Consolidate standard definition of intra-procedural anesthetic record (IP-DAM:I2) (Q2:2021 – Q2:2022)	Produce PSS for a second iteration of the Intra-procedural Anesthesia DAM (*Ref: AIP-DAM:I2*) to include: additional detailed procedural use cases/DCMs, the specification of a 'clinical note' for each use case (corresponding to fragments of the e-record), appropriate SNOMED CT term-bindings for each clinical note and more detailed specification of patient-connected device metrics / parameters Intra-procedural anesthesia DAM (Ref: AIP-DAM:I2) Ballot intra-procedural anesthesia DAM (*Ref: AIP-DAM:I2*)	Q2: 2021 Q3:2022 Q4:2022
3	Impact vendor awareness and adoption of anesthesiology standards. Produce a FHIR implementation guide that will facilitate practical implementation of an electronic intra-procedural anesthesia record. (Q1: 2023 – Q1 – 2024)	Produce PSS for FHIR IG for Intra-procedural Anesthesia (*Ref: IPA-FHIR-IG*) Map IP-DAM:I2 DCMs to FHIR resources Ballot Anesthesia FHIR IG (*Ref: IPA-FHIR-IG*)	Q1: 2023 Q4: 2023 Q1: 2024
4	Identify and define the initial set of FHIR resources related to the domain of Devices (DEV) (Q2:2021 – Q1:2022)	2021-03-22 - Complete current project in 2021 / early 2022 with publication of PoCD IG. DEV-1277 (successor is 1660 below)	Q1:2022
5	Deliver enhanced Point-of-Care Device Implementation Guide for vendors / system developers (Q2:2021 – Q1:2022)	Continue work on the HL7 DEV FHIR implementation guide that was part of PSS 1277, that is now headed to publication and project completion. This 2nd edition project will continue mapping of ISO/IEEE 11073 SDC and the IHE SDPi profiles to FHIR, as well as addressing FHIR-based device alerting, and additional data reporting capabilities such as waveforms (snippet & streaming) PSSinJ-1643, PSSinC-1643, PSSinJ-1660	Q1: 2022

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6	Facilitate application of IEEE 11073 Service-oriented Device Connectivity (SDC) standards with HL7 FHIR to support medical and health device interoperability across multiple use contexts and applications that interact with and consume information from devices. (Q4: 2021 - Q4: 2022)	Progress work items identified in PSS PSSinJ-1545, PSSinC-1545 viz: HL7 FHIR Implementation Guides IHE FHIR-enabled profiles implementation and test tooling.	Q4:2021 Q2:2022 Q4:2022

	2021				2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
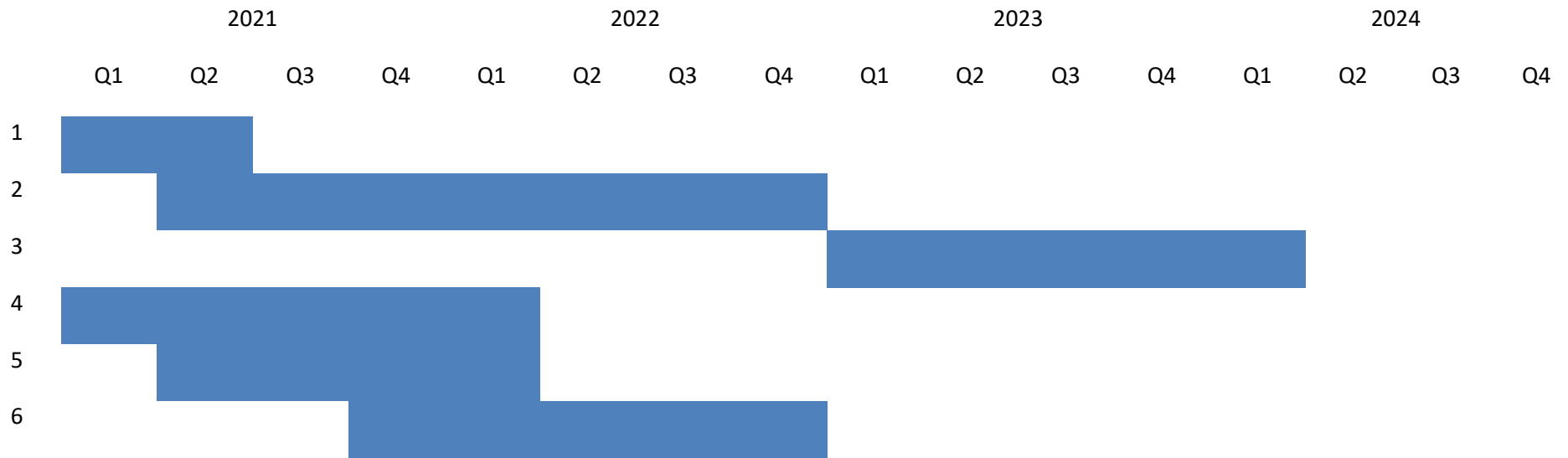
Maintenance activities

- HL7 Version 3 Domain Analysis Model: Detailed Clinical Models for Medical Devices, Release 1 (Release 2 draft exists - project plan and PSS pending)
- HL7 Version 3 Standard: Implantable Device Cardiachttp://www.hl7.org/implement/standards/product_brief.cfm?product_id=41-Follow-up Summary, Release 2 (as needed - no current requests)
- Monitor and participate as needed in Unique Device Identification (UDI) and other HL7 V2.9 changes affecting device data communications

Non-project ongoing activities

- Participation in ongoing IHE Patient Care Devices Rosetta Terminology Mapping meetings and IEEE 11073 Medical Device Communications Standards Point-of-Care Devices Nomenclature process - no end date
- Continue co-ordination with IEEE 11073 Point-of-Care Device and Personal Health Device Committees and Personal Connect Health Alliance / Continua to assure that FHIR resources reflect needs of all classes of communicating devices as consistently as possible
- Select and initiate Implementation Guide projects most appropriate for HCD WG considering standards needs in device interoperability