



**HL7/IHE Specification: Service-oriented Device
Point-of-care Interoperability (SDPI) Technical
Framework, Edition 1**

May 2024

HL7 STU Ballot

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Devices Work Group**

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Terminology	Owner/Contact
Current Procedures Terminology (CPT) code set	American Medical Association https://www.ama-assn.org/practice-management/cpt-licensing
SNOMED CT®	SNOMED CT® International; http://www.snomed.org/snomed-ct/get-snomed-ct or info@ihtsdo.org
Logical Observation Identifiers Names & Codes (LOINC®)	Regenstrief Institute
International Classification of Diseases (ICD) codes	World Health Organization (WHO)
NUCC Health Care Provider Taxonomy code set	American Medical Association. Please see www.nucc.org . AMA licensing contact: 312-464-5022 (AMA IP services)
Medical Device Communication Nomenclature (MDC)	The Institute of Electrical and Electronics Engineers, Inc. (IEEE)

May 2024 Ballot – SDPi, Edition 1 – Overview

This Service-oriented Device Point-of-care Interoperability (SDPi) Technical Framework, Edition 1, specification is the result of a multi-year joint HL7-IHE Gemini project. This specification was first balloted in HL7 January 2024, resulting in a successful “passing” ballot. Some of those ballot comment resolutions have been included in this release 1.3.1 of the SDPi specification.

One of the January comments related to how hard it is to review such an expansive specification that was being circulated for the first time in an HL7 ballot cycle. Part of that comment resolution was to provide guidance for subsequent HL7 ballot reviewers to focus on key aspects of the specification that the project team needed feedback. For this MAY2024 ballot cycle, please focus review on the following areas of the specification:

1. Use Case Specification & Mapping to Profiles

- a. A unique aspect of this Gemini specification is how it creates a non-profile specific use case description, using a Gherkin-like syntax, and then maps those requirements to individual profile use case sections;
- b. Rationale for this is that clinical use cases often span multiple device interoperability technical profiles (e.g., SDPi-Plug and Trust, SDPi-Reporting, and SDPi-Alerting profiles);
- c. **MAY2024 FOCUS:**
 - i. Section: Appendix 1:C Device Point-of-care Interoperability (DPI) Use Cases
 - ii. Start with reviewing the general approach for use case specifications
 - iii. Review the initial use case specifications (1:C.2 through 1:C.7)
 - iv. Review how these are mapped to specific profile use case sections (i.e., 1:10.4.2, 1:11.4.2 and 1:12.4.2)

2. Readability & “Reserved for Future” Content

- a. There are a significant number of sections with “Reserved for Future Use” sections, which were added so that expert reviewers knew that we hadn’t “forgotten” key capabilities; but we realize that the number of these sections can also get in the way of readability;
- b. **MAY2024 FOCUS:** Review especially volume 1 and provide recommendations of how readability can be improved by reducing these Future clauses (noting that “get rid of them all” is not a viable path given historical challenges with taking such an approach).

Of course, ballot review is welcomed for all the content in this release.

Note that this joint Gemini SDPi content is maintained in *mirrored* Github repositories: [IHE DEV.SDPi](#) & [HL7 DEV.SDPi](#). Unique for this release is the process by which HL7 Ballot Jira issues are linked to IHE DEV.SDPi Github Issues (which are then linked back to the source Jira issue), enabling tracking for all the changes that were made to the source document, along with who made those changes and who reviewed them pre-release.

For the 1.3 release, the specific issues can be traced:

1. [HL7 2024-Jan: Reformat Scope of Application Statement #270](#)
2. [HL7 2024-Jan: Correct CDAS section title #265](#)

FOCUS MAY2024: Please review how the Jira tickets are inter-linked with DEV.SDPi Github issues, and provide any suggestions for improvement.

Finally, for well considered reasons beyond the scope of this short Overview, this specification was created using “AsciiDoc” (a type of Markdown language), and compiled to HTML using open source tooling that is integrated into the Github automation processes. As a result, the look and feel of the specification is different from that created by the HL7 IG Publisher, and is more aligned with IHE Technical Framework organization and editorial style.

Thank you in advance for your review of the SDPi, Edition 1 specification!

[DOWNLOAD the sdpi-supplement-1.3.1.zip HERE.](#)