**NOTE**: To use Track Changes, turn off “protection” by clicking on (pre-MS Word 2007) Tools > Unprotect Document or (MS Word 2007 and higher) Review > Protect Document.

**PSS-Lite/Investigative Projects: Sections surrounded by a BOLD OUTLINE must be completed for approval of "Investigative Projects" (a.k.a PSS-Lite).**

1. Project Name and ID

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | |  |
| **HL7 Health Service Reference Architecture (HL7-HSRA)** | | | | Project ID: |
|  |  | TSC Notification Informative/STU to Normative | Date : | |
|  |  | Investigative Project | Date : | |

1. Sponsoring Group(s) / Project Team
   1. Primary Sponsor/Work Group

|  |  |
| --- | --- |
| Primary Sponsor/Work Group  **(1 (And Only 1) Allowed)** | **SOA WG** |

* 1. Co-sponsor Work Group(s)

|  |  |
| --- | --- |
| Co-sponsor Work Group(s)  (Enter co-sponsor approval dates in Section 6.d Project Approval Dates) | * ArB |
| Indicate the level of involvement that the co-sponsor will have for this project:   |  |  |  | | --- | --- | --- | |  | Request formal content review prior to ballot | | | X | Request periodic project updates. Specify period: | at WGMs | | |  | Other Involvement. Specify details here: |  | | | |

* 1. Project Team

*All names should have confirmed their role in the project prior to submission to the TSC.*

|  |  |
| --- | --- |
| Project facilitator (**1** **Mandatory**) | **Stefano Lotti, Vincent McCauley** |
| Other interested parties and their roles |  |
| Multi-disciplinary project team (recommended) |  |
| Modeling facilitator | **Stefano Lotti** |
| Publishing facilitator |  |
| Vocabulary facilitator |  |
| Domain expert rep | **Vincent McCauley** |
| Business requirement analyst |  |
| Conformance facilitator (for IG projects) |  |
| Other facilitators (SOA, etc) | **Jerry Goodnough** |
|  |  |
| Implementers **(2** **Mandatory** for STU projects | |
| **1) [US] Veterans Health Administration** | |
| **2) Telstra Health (Australia)** | |
| **3) Cognitive Medical Systems** | |

1. Project Definition
   1. Project Scope

|  |
| --- |
| **The objective of the HL7 Health Service Reference Architecture (HL7-HSRA) is to support the design of medium/large scale eHealth architectures based on HL7services and standards.**  **Building Enterprise Service architectures requires an understanding of composite solutions that include different services organized in choreographies and/or orchestrations which cover many areas within medium to large-scale organizations. The intent of the HL7-HSRA is to support the process of architectural design with a map of building blocks and solution patterns based on existing HL7 Standards.**  **This project organizes HL7 completed Service Functional Models, Functional Profiles and Domain Models into:**   * **a formalized Enterprise Service Inventory** * **an Architectural Patterns Catalog** * **associated methods for enterprise Service discovery and orchestration**   **The role of specific technology/standard service implementations (FHIR, OMG/HL7 Soap services, IHE XD\* family) will be discussed.**  **The audience of the HL7-HSRA will be principally focused on architects and CIOs that need to design, plan and evaluate enterprise wide solutions for complex organizations.**  **However, the project is relevant also for the internal HL7 audience. The HSRA outcome verify the consistency of HL7 standard and potential area not fully covered or with relevant overlapping. The Pattern Catalog can also support the mapping between different HL7 standard for the behavioural aspects (e.g. V2-V3-FHIR)**  **In addition to HL7 Standards, existing standards for Service representation and modelling will be considered including OpenGroup Archimate, OMG SOAml, OMG BPMN, OMG Structured Patterns Metamodel(SPMS), OMG Unified Architecture Framework (UAF), OpenGroup Togaf and the OASIS SOA Repository Artifact Model and Protocol (S-RAMP).** |

* 1. Project Need

|  |
| --- |
| **HL7 based standards support almost all the possible scenarios of eHealth interoperability. However, the architectural viewpoint needed to bring these standards together to address Enterprise interoperability is not specifically addressed.**  **This lack of support increases the design and planning barriers to realising HL7 based architectures. This can also lead to relevant HL7 standards being omitted from, or misused in, medium and large-scale environments.**  **This project takes into consideration the needs of architects and CIOs to undertake a fully pervasive, sound, balanced and cost effective HL7 Service design for Enterprise interoperability.**  **A secondary but relevant aspect, internal to HL7 is the support in term of standard alignment. The project can highlight commonality and gaps amongst work groups that develop HL7 specifications.** |

* 1. Security Risks

|  |  |  |  |
| --- | --- | --- | --- |
| Will this project produce executable(s), for example, schemas, transforms, style sheets, executable program, etc. If so the project must review and document security risks. Refer to the [Cookbook for Security Considerations](http://wiki.hl7.org/index.php?title=Cookbook_for_Security_Considerations) for additional guidance, including sample spreadsheets that may be used to conduct the security risk assessment. |  |  | **Yes** |
|  | X | **No** |
|  |  | **Unknown** |
|  |

* 1. External Drivers

|  |
| --- |
|  |

* 1. Project Objectives / Deliverables / Target Dates

|  |  |
| --- | --- |
|  | **Target Date** |
| **For comment ballot** | **January 2019** |
| **STU** | **2019 September** |
| **Normative** | **2020 September** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| **Project End Date (all objectives have been met)** | **May 2021** |

* 1. Common Names / Keywords / Aliases

|  |
| --- |
| **HL7-HSRA, Services, SOA, Reference Architecture** |

* 1. Lineage

|  |
| --- |
| **N/A** |

* 1. Project Dependencies

|  |
| --- |
| **N/A** |

* 1. Project Document Repository Location

|  |
| --- |
| <http://hssp.wikispaces.com/Health%20Service%20Reference%20Architecture>  **A specific web site/application will be used as a working repository** |

* 1. Backwards Compatibility

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Are the items being produced by this project backward compatible? |  |  | Yes |  |  | No |  |  | Unknown |  | X | N/A |
|  |  |  |  |  |  |  |  |
| If you check 'Yes' please indicate the earliest prior release and/or version to which the compatibility applies: | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
| For V3, are you using the current data types?  (Refer to [TSC position statement on new projects using R2B](#TSC_position_statement_on_R2B) for more information on the current V3 data types) |  |  | Yes |  |  | No |  |  | Unknown |  | X | N/A |
|  | | |  | | |  |  |  |  |  |  |
| If you check 'No' please explain the reason: | | | | | | | | | | | | |

* 1. External Vocabularies

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Will this project include/reference external vocabularies? |  |  | Yes |  |  | No |  |  | Unknown |  | X | N/A |
|  |  |  |  |  |  |  |  |  |  |  |  |
| If yes, please list the vocabularies: | | | | | | | | | | | | |

1. Products (check all that apply)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Arden Syntax |  |  | V2 Messages – Administrative |
|  | Clinical Context Object Workgroup (CCOW) |  |  | V2 Messages - Clinical |
|  | Domain Analysis Model (DAM) |  |  | V2 Messages - Departmental |
|  | Electronic Health Record (EHR) Functional Profile |  |  | V2 Messages – Infrastructure |
|  | FHIR Extensions |  |  | V3 Domain Information Model (DIM / DMIM) |
|  | FHIR Implementation Guide |  |  | V3 Documents – Administrative (e.g. SPL) |
|  | FHIR Profiles |  |  | V3 Documents – Clinical (e.g. CDA) |
|  | FHIR Resources |  |  | V3 Documents - Knowledge |
| X | Guidance (e.g. Companion Guide, Cookbook, etc) |  |  | V3 Foundation – RIM |
| X | Logical Model |  |  | V3 Foundation – Vocab Domains & Value Sets |
|  | New/Modified/HL7 Policy/Procedure/Process |  |  | V3 Messages - Administrative |
|  | New Product Definition (please define below) |  |  | V3 Messages - Clinical |
|  | New Product Family (please define below) |  |  | V3 Messages - Departmental |
|  | Non Product Project - (Educ. Marketing, Elec. Services, etc.) |  |  | V3 Messages - Infrastructure |
|  | White Paper |  |  | V3 Rules - GELLO |
|  |  |  |  | V3 Services – Java Services (ITS Work Group) |
|  | Creating/Using a tool not listed in the [HL7 Tool Inventory](http://hl7-tools.herokuapp.com/) |  |  | V3 Services – Web Services (SOA) |

|  |
| --- |
| **If you checked New Product Definition or New Product Family, please define below:** |

1. Project Intent (check all that apply)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Create new standard | | | |  | X | Supplement to a current standard | | |
|  | Revise current standard (see text box below) | | | |  |  | Implementation Guide (IG) will be created/modified | | |
|  | Reaffirmation of a standard | | | |  |  | Project is adopting/endorsing an externally developed IG: | | |
|  | New/Modified HL7 Policy/Procedure/Process | | | |  |  | Specify external organization in Sec. 6 below; | | |
|  | Withdraw an Informative Document | | | |  |  | Externally developed IG is to be (select one): | | |
|  | White Paper (select one): | | | |  |  | Adopted - OR - |  | Endorsed |
|  |  | Balloted Informative OR |  | Non-balloted WG White Paper |  |  | N/A (Project not directly related to an HL7 Standard) | | |

* 1. Ballot Type (check all that apply)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| X | Comment (aka Comment-Only) | | |  |  | Joint Ballot (with other SDOs) |
|  | Informative | | |  |  | N/A (project won’t go through ballot) |
| X | STU to Normative - OR - |  | Normative (no STU) |  |  |  |

|  |
| --- |
| **If necessary, add any additional ballot information here. If artifacts will be jointly balloted with other SDOs, list the other groups.** |

* 1. Joint Copyright

*.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Joint Copyrighted Material will be produced? |  |  | Yes |  | X | No |  |  |

1. Project Logistics
   1. External Project Collaboration

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * **HSPC (Healthcare Services Platform Consortium)** | | | | | | | |
| For projects that have some of their content already developed: | | | | | | | |
| How much content for this project is already developed? | **n/a** | | | | | | |
| Was the content externally developed (Y/N)? | **No** | | | | | | |
| Is this a hosted (externally funded) project?  (not asking for amount just if funded) |  |  |  |  |  |  | |
|  |  | Yes |  | X | No |

* 1. Realm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | Universal - OR - |  |  | Realm Specific |
|  | |  |  | Check here if this standard balloted or was previously approved as realm specific standard |

* 1. Stakeholders / Vendors / Providers

*This section must be completed for projects containing items expected to be ANSI approved, as it is an ANSI requirement for all ballots*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | **Stakeholders** |  | **Vendors** |  | **Providers** |
|  | | Clinical and Public Health Laboratories |  | Pharmaceutical |  | Clinical and Public Health Laboratories |
|  | | Immunization Registries |  | EHR, PHR |  | Emergency Services |
|  | | Quality Reporting Agencies |  | Equipment | **X** | Local and State Departments of Health |
| **X** | | Regulatory Agency | **X** | Health Care IT |  | Medical Imaging Service |
| **X** | | Standards Development Organizations (SDOs) | **X** | Clinical Decision Support Systems | **X** | Healthcare Institutions (hospitals, long term care, home care, mental health) |
|  | | Payors |  | Lab |  | Other (specify in text box below) |
|  | | Other (specify in text box below) | **X** | HIS |  | N/A |
|  | | N/A |  | Other (specify below) |  |  |
|  | |  |  | N/A |  |  |
| |  | | --- | | **Other: Indicate other stakeholders, vendors or providers not listed above.** | | | | | | |

* 1. Project Approval Dates

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Affiliate Approval Date (for Affiliate Specific Projects): | **N/A** | | | | | | | | |
| US Realm Steering Committee Approval Date  (for US Realm Specific Projects): | **N/A** | | | | | | | | |
| Sponsoring Work Group Approval Date: | **2018-01-31** | | | | | | | | |
| Co-Sponsor Group Approval Date  (Copy this entire row for each co-sponsor; indicate the specific cosponsor that issued approval) | **Co-Sponsor Approval Date CCYY-MM-DD** | | | | | | | | |
| FHIR Project: [FHIR Management Group](http://www.hl7.org/Special/committees/fhirmg/leadership.cfm) Approval Date: | **N/A** | | | | | | | | |
| Architectural Review Board Approval Date:  (required for externally developed content) | **N/A** | | | | | | | | |
| Steering Division (of Primary Sponsor WG) Approval Date: | **SD Approval Date CCYY-MM-DD** | | | | | | | | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Last [PBS Metrics Score](http://gforge.hl7.org/gf/project/tsc/frs/?action=FrsReleaseBrowse&frs_package_id=169): | X | Green |  | Yellow |  | Red | | [PBS Metrics Reviewed](http://gforge.hl7.org/gf/download/docmanfileversion/9076/13967/PBS%20Metric%20Guidance%20for%20SD%20CoChairs%202016%20Final.doc)? (required for SD Approval if not green) | | |  | Yes |  | No | | | | | | | | | | |
| Technical Steering Committee Approval Date: | **TSC Approval Date CCYY-MM-DD** | | | | | | | | |
| TSC has received a Copyright/Distribution Agreement (containing the verbiage outlined within the SOU), signed by both parties. |  | | |  |  |  |  | |  |
|  |  | Yes |  | No | | X | N/A | |