** Publication Request of HL7 Standards Material**

Please use this form to submit the request to the TSC.

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| Standards Material/Document - check one: | | | |
|  | DSTU |  | Normative |
| X | Informative |  | Errata |

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| Date of this request: | 2013-12-19 |
| HL7 Work Group making this request and date /URL of approval minutes: | Clinical Decision Support WG  2013-12-17  <http://wiki.hl7.org/index.php?title=File:2013-12-17_CDS_WG_Call_Minutes.docx> |
| Balloted Name of the standard for which request is being made: | HL7 Virtual Medical Record for Clinical Decision Support (vMR-CDS) Logical Model, Release 2 |
| Publication Name requested: | HL7 Virtual Medical Record for Clinical Decision Support (vMR-CDS) Logical Model, Release 2 |
| If CMET, list IDs balloted: | N/A |

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| --- | --- |
| URL of Project Scope Statement or Project Insight Number: | 1017 |

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| Document Realm: | Universal | |
| Ballot cycle in which the document was successfully balloted: | | 2013-September |

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| Results of that ballot (following reconciliation activities): *(not needed for errata or unballoted DSTU update)* | | | |
| Vote | Number | Vote | Number |
|  |  |  |  |
| Affirmative | 47 | Not Returned | 31 |
| Negative | 9 | Total in ballot pool | 155 |
| Abstentions | 68 | Needed for Passage | 34 |

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| If DSTU Update: What review process was followed and when was it approved by WG? (peer review, wiki, comment ballot) | | N/A |
| Date on which final document/standards material was supplied to HQ | | 2013-12-19 |
| URL of publication material/ SVN repository and publishing facilitator: | <http://www.hl7.org/documentcenter/public/wg/dss/20131219_vMR_LM_R2_201312_Informative_Publication.zip> | |
| Special Publication Instructions: | Please make formatting edits (e.g., to cover page) as appropriate and provide an opportunity for Kensaku Kawamoto ([kensaku.kawamoto@utah.edu](mailto:kensaku.kawamoto@utah.edu)) to review edits prior to publication. | |

*(not needed for errata)*

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| URL of ballot reconciliation document: | <http://www.hl7.org/documentcenter/public/ballots/2013SEP/reconciliation/recon_hl7_cds_vmr_lm_r2_i1_2013sep.xlsx> |

*(not needed for errata)*

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| Has the Work Group posted its consideration of all comments received in its reconciliation | | | | |
| document on the ballot desktop? | X | Yes |  | No |
| Substantive Changes Since Last Ballot? | X | Yes |  | No |

*(not needed for errata)*

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| Cross Artifact Consistency - for RIM-Based Standards (not Implementation Guides), check all that apply: | |
|  | Standard uses CMETs from HL7-managed CMETs in COCT, POCP (Common Product) and other domains |
|  | Standard uses harmonized design patterns (as defined through RIM Pattern harmonization process) |
|  | Standard is consistent with common Domain Models including but not limited to Clinical Statement, Common Product Model and "TermInfo" |

For DSTU:

Number of months the Work Group wishes to have the document published as a DSTU:  
\_\_\_12 months \_\_\_18 months \_\_\_24 months

Notes: Once approved by the TSC, the document will be posted to: <http://www.hl7.org/dstucomments/index.cfm>. There is a database here for early adopters to enter comments/corrections/suggestions.

In accordance with §13.02.05 of the Governance and Operations Manual—Draft Standard for Trial Use (DSTU)— Upon approval the proposed draft standard, with the concurrence of the TSC, shall be released for publication as a DSTU.

For Informative:

Does the Work Group or TSC wish to register this document with ANSI as a Technical Report?

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| --- | --- | --- | --- |
|  | Yes | X | No |
| Justification for registration with ANSI: | | | | | |  |

**Note:** While registering the document with ANSI does not infer any status on the document, it does ensure notification of the availability of the informative documents to a broad audience.

In accordance with §13.01.05 of the GOM, informative documents, once approved, require the concurrence of the TSC to be released for publication.

Please provide the following information for the publication of the product brief:

**Family**: (select one)

* Arden
* CCOW
* CDA
* Education
* EHR
* V2
* V3
* Other: Clinical Decision Support

**Section**: (select those that are applicable:)

* Clinical and Administrative Domains
* EHR Profiles
* Implementation Guides
* Rules and References
* Education and Awareness

**Category**: (select those that are applicable:)

| *e.g. briefs under Clinical and Administrative Domains* | *e.g. briefs under Rules and References* |
| --- | --- |
| Cardiology | CCOW |
| Care Provision | Data Types |
| Clinical Genomics | Decision Support |
| Clinical Statement | Encoding Syntax |
| Community-Based Health | Methodology Specifications |
| Decision Support | Security and Privacy |
| Domain Analysis Model | Services |
| Financial Management | Specification Errata |
| Functional Profile | Standard Reference Materials |
| HHSFR | Structures |
| Laboratory | Terminology |
| Materials Management | Transport Specifications |
| Medical Records |  |
| Patient Administration |  |
| Patient Care |  |
| Patient Referral |  |
| Personnel Management |  |
| Pharmacy |  |
| Public Health |  |
| Regulated Products |  |
| Regulated Studies |  |
| Scheduling |  |
| Services |  |
| SPL |  |
| Other: (Please describe) | Other: (Please describe) |

**Parent standard**: (e.g. the standard to which an implementation guide applies)

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**Update/replace standard**: (e.g. is this a DSTU update, or is there an R1 specification which an R2 publication updates or replaces) – Please specify if this publication has a replacement, supplemental or addendum relationship to a prior standard or DSTU:

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| This publication replaces the following specification:  HL7 Version 3 Domain Analysis Model: Virtual Medical Record for Clinical Decision Support (vMR-CDS), Release 2 |

**Common name/search keyword**: Please specify if the publication is known by a common name internally to the Work Group or a specific search term/acronym should be provided to help users find the product.

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| Common Names/Aliases: vMR-CDS Logical Model R2 |
| Search Keywords: CDS, clinical decision support, vMR, virtual medical record, HeD, Health eDecisions, logical model |

**Description**: This is typically a short paragraph summarizing the use and intent of the standard, such as would be found in an overview paragraph in the published specification.

The vMR is a data model for representing the data that are analyzed and/or produced by CDS engines. The term vMR has historically been used in the CDS community to refer to a simplified representation of the clinical record that is suitable and safe for a CDS knowledge engineer to directly manipulate in order to derive patient-specific assessments and recommendations. Historically, the challenge has been that different organizations used different vMRs. The purpose of the vMR effort is to define a standard vMR that can be used across CDS implementations. Moreover, due to the intended use of the vMR, a primary goal is simple and intuitive representation of data that is easy and safe for a typical CDS knowledge engineer to understand, use, and implement.

This specification defines a logical model of the vMR using the Unified Modeling Language (UML). The vMR Logical Model can be further constrained through vMR templates. Furthermore, physical models derived from the logical model are defined through additional specifications such as the HL7 vMR XML Specification.

**Targets**: These are categories of potential users, implementers, or other interested parties such as those that are indicated on the Project Scope Statement under “Stakeholders/Vendors/Providers”. Select those that are applicable, or suggest others:

| **Stakeholders** | **Vendors** | **Providers** |
| --- | --- | --- |
| Clinical and Public Health Laboratories | Pharmaceutical | Clinical and Public Health Laboratories |
| Immunization Registries | EHR, PHR | Emergency Services |
| Quality Reporting Agencies | Equipment | Local and State Departments of Health |
| Regulatory Agency | Health Care IT | Medical Imaging Service |
| Standards Development Organizations (SDOs) | Clinical Decision Support Systems | Healthcare Institutions (hospitals, long term care, home care, mental health) |
| Payors | Lab | Other (specify in text box below) |
| Other (specify in text box below) | HIS | N/A |
| N/A | Other (specify below) |  |
|  | N/A |  |

**Benefits**: This section will describe the benefits the standard or its implementation provides to healthcare, information technology, interoperability and the like. This section is often difficult to compose and will require careful editing by the review group(s). Please create phrases such as

* Enables the development, sharing, and widespread use of CDS artifacts and capabilities
* Supports scalable, interoperable CDS

**Implementations/Case Studies**: This section would identify the known implementers of the standard, production or DSTU implementers, or any known adopters of the specification. Agencies or other organizations that sponsored the development of the specification could be listed here.

* OpenCDS ([www.opencds.org](http://www.opencds.org))
* University of Utah
* Zynx Health
* Other participants in the Health eDecisions initiative ([www.healthedecisions.org](http://www.healthedecisions.org))
* Cognitive Medical Systems

**Development Background**: This section may be used for additional important information beyond the short summary in the Description, such as would be found in an Introduction section, in the published specification.

**Reviewed By, and Date**: (i.e. the group or individuals endorsing this product brief information and the date the endorsement was approved)

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| HL7 Clinical Decision Support Work Group co-chairs and members, 12/19/2013 |

Email this Request to [lynn@hl7.org](mailto:lynn@hl7.org).