

C-DAC's Medical Informatics SDK for Continuity of Care Document (CCD) Conformance Statement

Name of Organization: **Centre of Development for Advanced Computing**
Product Name: **C-DAC's Medical Informatics SDK for CCD**
Product Version: **v1.0**
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1. Introduction

C-DAC's Medical Informatics SDK for CCD is an implementation of HL7/ASTM Continuity of Care Document Release 1. The SDK is implemented using JDK 8, which facilitates incorporation of HL7/ASTM CCD in healthcare applications.

Salient Features of SDK

- Object-oriented implementation of HL7/ASTM CCD Release 1 Implementation Guide
- Free and Open Source Software (FOSS) licensed under Apache License v2.0 that allow cost effective implementation across system
- Generate XML based human-readable CCD which can be displayed on a Web browser using a style sheet
- Enables quick access to key patient data to patients/external healthcare application
- Modular APIs for reading, writing and validating Continuity of Care Document
- Sample test-codes to demonstrate functionality
- API Documentation

2. Conformance Statement Overview

This document provides the list of followed conformance statements that SDK enables with reference to HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD).

Intended Audience

This Conformance Statement is intended for:

- Healthcare Software developers implementing CCD standards
- It is assumed that the reader is familiar with the HL7/ASTM CCD standard

Remarks

The Conformance Statement should be read and understood in conjunction with the ASTM/HL7 CCD Standard.

References

HL7/ASTM Implementation Guide for CDAR2 -Continuity of Care Document (CCD) Release 1

http://www.hl7.org/implement/standards/product_brief.cfm?product_id=6

3. Header Representation

The CCD Header contains information about Patients, document related information (language, version, date/time), CCD Author related information (who has generated), to whom the CCD is directed and reason of generation of document.

SDK enables conformance to all the mandatory and recommended conformance statements, CONF-1 through CONF-10, CONF-12 through CONF-13 and CONF-15 through CONF-26 in regard to header representation except CONF-14 and CONF-27.

In reference to CONF-11, SDK has supplementary provision to add multiple ClinicalDocument / recordTarget instead on only *one or two*.

4. Body Representation

CCD contains the patient-related data covering Payer, Advance-Directive, Support, Functional-Status, Problems, Family-History, Social-History, Alerts, Medications, Medical-Equipment, Immunization, Vital-signs, Results, Procedure, Encounter, Plan and Healthcare Provider sections as sections based on common clinical gathering.

SDK enables conformance to mandatory and recommended conformance statements, SDK enables conformance to mandatory and recommended conformance statements, CONF-28 through CONF-33, CONF-35 through CONF 43, CONF-45 through CONF-46, CONF-48 through CONF 56, CONF-58 through CONF-64 , CONF-66 through CONF 75 , CONF-77 through CONF-96 , CONF-100 through CONF 106 , CONF-110 through CONF 118 , CONF-120 through CONF-121 , CONF-123 through CONF 129 , CONF-136 , CONF-139 through CONF 151 , CONF-153 through CONF-159 , CONF-184 through CONF 194 , CONF-196 through CONF 198 , CONF-200 through CONF-206 , CONF-208 through CONF 209 , CONF-211 through CONF 214 , CONF-217 through CONF-219 , CONF-222 through CONF 227, CONF-229 through CONF-243 , CONF-250 through CONF-256 , CONF-258 through CONF-265 , CONF-270 , CONF-273 through CONF-278 , CONF-280 through CONF-286 , CONF-298 , CONF-300 through CONF-310 , CONF-312 through CONF-314 , CONF-327 , CONF-354 , CONF-356 through CONF-364 , CONF-371 through CONF-374 , CONF-376 through CONF-385 , CONF-388 through CONF-397 , CONF-402 , CONF-407 through CONF-413 , CONF-416 , CONF-419 through CONF-420 , CONF-422 through CONF-433 , CONF-448 through CONF-450 , CONF-453 through CONF-462 , CONF-464 , CONF-472 , CONF-474 through CONF-475 , CONF-478 through CONF-490 and CONF-492 in regard to body representation.

5. Footer Representation

Footer contains data defining actors, as well as information about external references.

SDK enables conformance to the mandatory and recommended conformance statements CONF-498 through CONF 500 in regard to footer representation.

6. General Constraints

SDK enables conformance to mandatory and recommended conformance statements CONF-534 through CONF 536 in regard to General Constraints.