Cardiology: Electrophysiology (EP): Pacemaker/Implantable cardioverter-defibrillator (ICD) Generator Change Order Set KNART Validation Report

Order Set: Validation Report

Contract: VA118-16-D-1008, Task Order (TO): VA-118-16-F-1008-0007, CLIN0004AL

Department of Veterans Affairs



Knowledge Based Systems (KBS)
Office of Informatics and Information Governance (OIIG)
Clinical Decision Support (CDS)

Publication date 06/11/2018

Version: 1.0

Cardiology: Electrophysiology (EP): Pacemaker/Implantable cardioverter-defibrillator (ICD) Generator Change Order Set KNART Validation Report: Order Set: Validation Report

by Knowledge Based Systems (KBS), Office of Informatics and Information Governance (OIIG), and Clinical Decision Support (CDS)

Publication date 06/11/2018 Copyright © 2018 B3 Group, Inc. Copyright © 2018 Cognitive Medical Systems, Inc.

B3 Group, Inc.

NOTICE OF GOVERNMENT COPYRIGHT LICENSE AND UNLIMITED RIGHTS LICENSE

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Portions of this content are derivative works from content produced by Cognitive Medical Systems, Inc. licensed under the Apache License, Version 2.0

Additional portions of this content are derivative works from content contributed by Motive Medical Intelligence Inc., under Creative Commons Attribution-ShareAlike 4.0.

Contributions from 2013-2018 were performed either by US Government employees, or under US Veterans Health Administration contracts.

US Veterans Health Administration contributions by government employees are work of the U.S. Government and are not subject to copyright protection in the United States. Portions contributed by government employees are USGovWork (17USC §105). Not subject to copyright.

See: https://www.usa.gov/government-works

Contribution by contractors to the US Veterans Health Administration during this period are contractually contributed under the Apache License, Version 2.0 and US Government sponsorship is acknowledged under Contract VA118-16-D-1008, Task Order VA11817F10080007.

Cognitive Medical Systems, Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This and related content produced by Cognitive Medical Systems, Inc. licensed under the Apache License, Version 2.0 is available at: https://bitbucket.org/cogmedsys/hl7-kas-examples

Additional portions of this content are derivative works from content contributed by Motive Medical Intelligence Inc., under Creative Commons Attribution-ShareAlike 4.0. https://bitbucket.org/cogmedsys/kas-source-material

Contributions from 2013-2018 were performed either by US Government employees, or under US Veterans Health Administration contracts.

US Veterans Health Administration contributions by government employees are work of the U.S. Government and are not subject to copyright protection in the United States. Portions contributed by government employees are USGovWork (17USC §105). Not subject to copyright. See: https://www.usa.gov/government-works

Contribution by contractors to the US Veterans Health Administration during this period are contractually contributed under the Apache License, Version 2.0 and US Government sponsorship is acknowledged under Contract VA118-16-D-1008-0007.

Table of Contents

1. Basic File and Well-formedness Tests	1
2. XSD Schema Checks	2
3. Schematron Checks	3
4. Terminology Checks via Ontoserver	4

List of Tables

1.1.	Summary	. 1
2.1.	KAS Schema Validation Summary	2
3.1.	Editorial Convention Check	3
4.1.	Ontoserver Information	_
4.2.	Terminology and ANF Usage	4
	SOLOR Placeholders	
4.4.	Other Unresolved	. 4

Chapter 1. Basic File and Well- formedness Tests

Table 1.1. Summary

Information	Value
File name	CDSK_KRprt_OS_B11EPICDCh.xml
File size	45.0 KB
Type	Order Set
Publication Date	06/11/2018
File Modification Date	06/11/2018 15:54:11
Well-formed XML	YES
MD5	1e4ab4d2b75b8f812a781f02a1147c79

Chapter 2. XSD Schema Checks

Table 2.1. KAS Schema Validation Summary

Information	Value
KAS Schema Version	urn:hl7-org:knowledgeartifact:r1
Schema File	knowledgedocument.xsd
Validation Errors	0

Chapter 3. Schematron Checks

Table 3.1. Editorial Convention Check

Information	Value
Editorial Schematron Version	ISO Schematron 2016
Schema File	knart-L3-validation.sch, L3Validation.sch, KnartStyle.sch
Validation Errors	0
Validation Warnings	0

Chapter 4. Terminology Checks via Ontoserver

Table 4.1. Ontoserver Information

Information		Value
Ontoserver URL		https://ontoserver.hspconsortium.org/fhir
Ontoserver Version		5.0
Date of Code Check	S	06/11/2018 15:54:44
SNOMED	Version	http://snomed.info/sct/731000124108/version/20170901,http://snomed.info/sct/90000000000000008/version/20170731
	Codes	443237
LOINC	Version	2.61,2.63
	Codes	126207
RXNorm	Version	Does not exist
	Codes	0
v3 Code System	Version	2016-03-23
EducationLevel	Codes	9

Table 4.2. Terminology and ANF Usage

Terminology References				
Total Codes Used ^a		18		
Resolved b		13		
Unresolved ^c	5	TSR Requested Codes ^d	0	
		SOLOR Placeholder Codes e	1	
		Other Unresolved f	4	
ANF Model Reference Information				
anf:ClinicalStatement		13		
anf:TSR-NoModel ^g		0		

^aTotal number of unique codes referenced in the KNART XML.

^bNumber of unique codes used in the KNART XML and present in ontoserver.

^cNumber of unique codes used in the KNART XML and not found in ontoserver.

^dNumber of unique code system and code pairs referenced in the KNART XML with a placeholder ('TSR-NoCode').

^eNumber of unique codes in uuid form referenced in the KNART XML.

^fNumber of other unique codes not found in ontoserver, e.g. RXNorm codes.

gKAS elements modeled as 'anf:TSR-NoModel' indicates they cannot be modeled in the current version of ANF.

Table 4.3. SOLOR Placeholders

	Information	Value
1	1 FileName CDSK_KRprt_OS_B11EPICDCh.xml	
	Line	489
	Column	65
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 41eae47f-3038-4b7b-b36f-d26521aaec56
	Reference	KNART [file:CDSK_KRprt_OS_B11EPICDCh.xml#line=489column=65]

Table 4.4. Other Unresolved

	Information	Value
1	FileName	CDSK_KRprt_OS_B11EPICDCh.xml
	Line	298
	Column	70
	Message	Code 1291000205108, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_OS_B11EPICDCh.xml#line=298column=70]
2	FileName	CDSK_KRprt_OS_B11EPICDCh.xml
	Line	306
	Column	71
	Message	Code 1331000205100, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_OS_B11EPICDCh.xml#line=306column=71]
3	FileName	CDSK_KRprt_OS_B11EPICDCh.xml
	Line	605
	Column	65
	Message	Code 1301000205107, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_OS_B11EPICDCh.xml#line=605column=65]
4	FileName	CDSK_KRprt_OS_B11EPICDCh.xml
	Line	653
	Column	64
	Message	Code 1411000205104, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_OS_B11EPICDCh.xml#line=653column=64]