

Cardiology: Electrophysiology (EP) Documentation Template KNART Validation Report

Documentation Template: Validation Report

**Contract: VA118-16-D-1008, Task Order
(TO): VA-118-16-F-1008-0007, CLIN0005AQ**

Department of Veterans Affairs



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

Publication date 06/14/2018

Version: 1.0

Cardiology: Electrophysiology (EP) Documentation Template KNART Validation Report: Documentation Template: Validation Report

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

Publication date 06/14/2018

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
4.2. Terminology and ANF Usage	4
4.3. SOLOR Placeholders	5
4.4. Other Unresolved	5

Chapter 1. Basic File and Well-formedness Tests

Table 1.1. Summary

Information	Value
File name	CDSK_KRprt_CRDT_B36EP.xml
File size	125.0 KB
Type	Documentation Template
Publication Date	06/14/2018
File Modification Date	06/14/2018 09:31:30
Well-formed XML	YES
MD5	848df02dabbe6767533862b92c185d91

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 Checks		06/14/2018 09:32:17
SNOMED	Version	http://snomed.info/sct/731000124108/version/20170901,http://snomed.info/sct/9000000000000207008/version/20170731
	Codes	443237
LOINC	Version	2.61,2.63
	Codes	126207
RXNorm	Version	Does not exist
	Codes	0
v3 Code System EducationLevel	Version	2016-03-23
	Codes	9

Table 4.2. Terminology and ANF Usage

Terminology References			
Total Codes Used ^a		34	
Resolved ^b		27	
Unresolved ^c	7	TSR Requested Codes ^d	0
		SOLOR Placeholder Codes ^e	1
		Other Unresolved ^f	6
ANF Model Reference Information			
anf:ClinicalStatement		28	
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	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	980
	Column	65
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 50871731-ba83-45bb-a582-a14943f1d06d
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=980column=65]
2	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1007
	Column	66
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 50871731-ba83-45bb-a582-a14943f1d06d
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1007column=66]

Table 4.4. Other Unresolved

	Information	Value
1	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	419
	Column	105
	Message	Code 5351000124100, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=419column=105]
2	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	424
	Column	108
	Message	Code 453231000124104, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=424column=108]
3	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	604
	Column	154
	Message	Code 1421000205106, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=604column=154]
4	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1135
	Column	65
	Message	Code 737593009, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1135column=65]

	Information	Value
5	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1162
	Column	66
	Message	Code 737593009, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1162column=66]
6	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1367
	Column	65
	Message	Code 1301000205107, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1367column=65]
7	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1531
	Column	93
	Message	Code 1301000205107, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1531column=93]
8	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1930
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1930column=69]
9	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1939
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1939column=69]
10	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1948
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1948column=69]
11	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1957
	Column	69

	Information	Value
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1957column=69]
12	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1966
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1966column=69]
13	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1975
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1975column=69]
14	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1985
	Column	140
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1985column=140]
15	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	1991
	Column	140
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=1991column=140]
16	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	2000
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=2000column=69]
17	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	2009
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=2009column=69]
18	FileName	CDSK_KRprt_CRDT_B36EP.xml

	Information	Value
	Line	2018
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=2018column=69]
19	FileName	CDSK_KRprt_CRDT_B36EP.xml
	Line	2027
	Column	69
	Message	Code 1221000205105, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_CRDT_B36EP.xml#line=2027column=69]