# Cardiology: Electrophysiology (EP): Primary Prevention Implantable cardioverter-defibrillator (ICD) Implant 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)

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## Cardiology: Electrophysiology (EP): Primary Prevention Implantable cardioverter-defibrillator (ICD) Implant 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)

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# **Chapter 1. Basic File and Well- formedness Tests**

**Table 1.1. Summary** 

| Information            | Value                            |
|------------------------|----------------------------------|
| File name              | CDSK_KRprt_OS_B9EPICDImp.xml     |
| File size              | 38.0 KB                          |
| Туре                   | Order Set                        |
| Publication Date       | 06/11/2018                       |
| File Modification Date | 06/11/2018 14:50:47              |
| Well-formed XML        | YES                              |
| MD5                    | 809173cb93b934c1cebcc68e049af508 |

### **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 14:51:18   |
| SNOMED             | Version | http://snomed.info/sct/731000124108/version/20170901,http://snomed.info/sct/900000000000207008/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 <sup>a</sup>   |   | 14  |   |  |
| Resolved <sup>b</sup>           |   | 11  |   |  |
| Unresolved <sup>c</sup>         | 3 | TSR Requested<br>Codes <sup>d</sup>       | 0 |  |
|                                 |   | SOLOR Placehold-<br>er Codes <sup>e</sup> | 3 |  |
|                                 |   | Other Unresolved <sup>f</sup>             | 0 |  |
| ANF Model Reference Information |   |   |   |  |
| anf:ClinicalStatement           |   | 9   |   |  |
| anf:TSR-NoModel <sup>g</sup>    |   | 0   |   |  |

<sup>&</sup>lt;sup>a</sup>Total number of unique codes referenced in the KNART XML.

**Table 4.3. SOLOR Placeholders** 

|   | Information | Value                        |
|---|-------------|------------------------------|
| 1 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml |
|   | Line        | 302                          |
|   | Column      | 70                           |

<sup>&</sup>lt;sup>b</sup>Number of unique codes used in the KNART XML and present in ontoserver.

 $<sup>^{\</sup>mbox{\scriptsize c}}\mbox{\sc Number of unique codes used in the KNART XML}$  and not found in ontoserver.

<sup>&</sup>lt;sup>d</sup>Number of unique code system and code pairs referenced in the KNART XML with a placeholder ('TSR-NoCode').

<sup>&</sup>lt;sup>e</sup>Number of unique codes in uuid form referenced in the KNART XML.

<sup>&</sup>lt;sup>f</sup>Number of other unique codes not found in ontoserver, e.g. RXNorm codes.

<sup>&</sup>lt;sup>g</sup>KAS elements modeled as 'anf:TSR-NoModel' indicates they cannot be modeled in the current version of ANF.

|   | Information | Value   |
|---|-------------|---|
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 3926f554-a4c5-40d3-bcc5-03a2c9aa6a20 |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=302colum-n=70]  |
| 2 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 327   |
|   | Column      | 70  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 3926f554-a4c5-40d3-bcc5-03a2c9aa6a20 |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=327colum-n=70]  |
| 3 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 335   |
|   | Column      | 71  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 7e9369ba-1dae-4013-96ae-e31ce7ebfedf |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=335colum-n=71]  |
| 4 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 450   |
|   | Column      | 65  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 7e9369ba-1dae-4013-96ae-e31ce7ebfedf |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=450colum-n=65]  |
| 5 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 481   |
|   | Column      | 65  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 7e9369ba-1dae-4013-96ae-e31ce7ebfedf |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=481colum-n=65]  |
| 6 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 512   |
|   | Column      | 65  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 7e9369ba-1dae-4013-96ae-e31ce7ebfedf |
|   | Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=512colum-n=65]  |
| 7 | FileName    | CDSK_KRprt_OS_B9EPICDImp.xml  |
|   | Line        | 537   |
|   | Column      | 64  |
|   | Message     | TSR requested for codeSystem: http://snomed.info/sct and code: 85acf077-d744-48bc-b57a-fa3b5ce12d97 |

| Information | Value   |
|-------------|---|
| Reference   | KNART [file:CDSK_KRprt_OS_B9EPICDImp.xml#line=537colum- |
|             | n=64]   |