Solution to redmine 6749

### Clarification of ExtRef attributes usage - TISSUE 1818

April 16, 2024

Verify extRef usage according to updated table 51.

Updated presence condition of ExtRef attributes based on the context:

- For later binding (in ICD or IID) all attributes related to subscribed data are forbidden: "iedName", "ldInst", "prefix", "lnClass", "lnInst", "doName", "daName", "srcLDInst", "srcPrefix", "srcLNClass", "srcLNInst", "srcCBName"

- for signal mapping, attributes "daName" and "desc" are always optional

Update sCnf43 from

|  |  |  |
| --- | --- | --- |
| sCnf43 | Verify that the ICD has none of the ExtRef references IEDs different from TEMPLATE or “@”Condition: when ExtRef iedName attribute is present | [ ]  Passed[ ]  Failed[ ]  Inconclusive[ ]  Not applicable |

Into:

|  |  |  |
| --- | --- | --- |
| sCnf43 | Verify that * the ICD has none of the ExtRef references IEDs different from TEMPLATE or “@”
* For later binding (in ICD or IID) all attributes related to subscribed data are forbidden: "iedName", "ldInst", "prefix", "lnClass", "lnInst", "doName", "daName", "srcLDInst", "srcPrefix", "srcLNClass", "srcLNInst", "srcCBName"
* For complete binding (in IID) all attributes related to subscribed data are mandated\*: "iedName", "ldInst", "prefix", "lnClass", "lnInst", "doName", "srcLDInst", "srcPrefix", "srcLNClass", "srcLNInst", "srcCBName"
* attributes "daName" and "desc" are always optional (when allowed)

\*mandatory can be missing when default value applies Condition: when ExtRef iedName attribute is presentReference: Tissue #1818 | [ ]  Passed[ ]  Failed[ ]  Inconclusive[ ]  Not applicable |

Also impacts SCT tSci2 (SCT TP is in progress)