Solution to redmine 6823

**sAss4 - Step 2 indicates two different situations with localDetailCalling**

27 July 2024

Change localDetailCalling=<minimum to localDetailCalling=minimum in sAss4

Add localDetailCalling<minimum case to sAssN2

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| **sAss4** | **MMS Associate Support** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 8.3.2.2IEC 61850-8-1 Subclause 10.2.2 and PICSPIXIT: As7ISO/IEC 9506-1:2003 and ISO/IEC 9506-2:2003 |
| Expected result1. DUT sends negotiatedLocalDetail less than proposed value (the maximum PDU size, PIXIT), NestingLevel=(see Note 1), negotiatedParameterCBB=(see Note 2), and servicesSupportedCalled according to PICS and ISO/IEC 95062. DUT sends negotiatedLocalDetail equal as proposed value, NestingLevel=(see Note 1), negotiatedParameterCBB same as step 1, and servicesSupportedCalled same as expected result step 13. DUT either refuses the connection or responds negotiatedParameterCBB same as step1 but without vnam and servicesSupportedCalled same as expected result step 14. DUT sends initiate response+ |
| Test description1.  Client sends MMS Initiate Request with localDetailCalling=100MB, NestingLevel=15, proposedParameterCBBs=(str1, str2, vnam, valt, vlis) and ServiceSupportCalling=(fileOpen, fileRead, fileClose, informationReport, conclude)2. Client sends MMS Initiate Request with localDetailCalling=minimum PDU size, (see PIXIT), NestingLevel=15, proposedParameterCBBs=(str1, str2, vnam, valt, vlis) and ServiceSupportCalling=(fileOpen, fileRead, fileClose, informationReport, conclude)3. Client sends MMS Initiate Request with localDetailCalling=2000, NestingLevel=1, ProposedParameterCBBs=(str1, str2, valt, vlis), and ServiceSupportCalling=(fileOpen, fileRead, fileClose, informationReport, conclude)4. Client sends MMS Initiate Request with localDetailCalling=16000, NestingLevel=15, ProposedParameterCBBs=(str1, str2, vnam, valt, vlis), and ServiceSupportCalling=(conclude) |
| CommentNote 1: Nesting level must be >= 0If PICS S8 (GetDataValues) is declared then nesting level must be >= 5If data model contains and Data Objects with CDC CMV then nesting level must be >= 6Note 2: The negotiatedParameterCBB shall be the intersection of the CBBs supported by the Server and those specified by the ProposedParameterCBBnegotiatedParameterCBB str1 is required if the server has arrays in the data modelnegotiatedParameterCBB str2 and valt are required if PICS S8 (GetDataValues) is declarednegotiatedParameterCBB vnam is required if PICS S8 (GetDataValues) is declared and ProposedParameterCBB vnam is presentnegotiatedParameterCBB vlis is required if PICS S16 (GetDataSetDirectory) is declaredNote 3: MMS services supported in IEC 61850-8-1 table 127 that have Server F/S value “i" are ignored |

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| **sAssN2** | **Associate with incorrect association parameters** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 8.3.2IEC 61850-8-1 Subclause 10.2, PIXIT: As5, As6, As7 |
| Expected result1. DUT sends Associate response+2. DUT sends Release response+4. DUT sends Associate response- when PIXIT indicates the DUT verifies the parameter, otherwise the DUT sends Associate response+7. DUT accepts or refuses the Associate request  |
| Test description1. Configure the Client and DUT with correct association and authentication parameters and request Associate2. Client requests Release3. Configure the Client and DUT with correct authentication parameters and one of the following incorrect  configurable association parameters:* called / calling transport selector
* called / calling session selector
* called / calling presentation selector
* called / calling AP title
* called / calling AE qualifier

4. Client requests Associate5. When DUT sends Associate response+, Client sends Release request6. Repeat step 1 to 5 for the next association parameter till all parameters are verified7. Client requests Associate with localDetailCalling = half of the minimum PDU size |
| CommentThe following table indicates the associate response results with incorrect:* called / calling transport selector - / +
* called / calling session selector - / +
* called / calling presentation selector - / +
* called / calling AP title + / +
* called / calling AE qualifier + / +

“-” = associate failed, DUT does check the incorrect parameter and sends response-“+” = associate succeeded, DUT does not check the incorrect parameter and sends response+ |