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 8.3.2.2  IEC 61850-8-1 Subclause 10.2.2 and PICS  PIXIT: As7  ISO/IEC 9506-1:2003 and ISO/IEC 9506-2:2003 | | |
| Expected result  1. 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 9506  2. DUT sends negotiatedLocalDetail equal as proposed value, NestingLevel=(see Note 1), negotiatedParameterCBB same as step 1, and servicesSupportedCalled same as expected result step 1  3. DUT either refuses the connection or responds negotiatedParameterCBB same as step1 but without vnam and servicesSupportedCalled same as expected result step 1  4. DUT sends initiate response+ | | |
| Test description  1.  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) | | |
| Comment  Note 1: Nesting level must be >= 0 If PICS S8 (GetDataValues) is declared then nesting level must be >= 5 If data model contains and Data Objects with CDC CMV then nesting level must be >= 6  Note 2: The negotiatedParameterCBB shall be the intersection of the CBBs supported by the Server and those specified by the ProposedParameterCBB negotiatedParameterCBB str1 is required if the server has arrays in the data model negotiatedParameterCBB str2 and valt are required if PICS S8 (GetDataValues) is declared negotiatedParameterCBB vnam is required if PICS S8 (GetDataValues) is declared and ProposedParameterCBB vnam is present negotiatedParameterCBB vlis is required if PICS S16 (GetDataSetDirectory) is declared  Note 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 8.3.2  IEC 61850-8-1 Subclause 10.2, PIXIT: As5, As6, As7 | | |
| Expected result  1. 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 description  1. Configure the Client and DUT with correct association and authentication parameters and request Associate  2. Client requests Release  3. 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 Associate  5. When DUT sends Associate response+, Client sends Release request  6. Repeat step 1 to 5 for the next association parameter till all parameters are verified  7. Client requests Associate with localDetailCalling = half of the minimum PDU size | | |
| Comment  The 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+ | | |