Solution to redmine 652 and 6276

 Publisher can use maximum number of dataset elements

March 21, 2023

Some interpretation of maxAttributes is ambiguous. Clarified to mean ds members regardless of FCD or FCDA. See also <https://iec61850.tissue-db.com/tissue/719>. ICTs and servers found to enforce wrong rule.

Solution: add a new mandatory test case sGop13

#6276: consider PDU size as a limit to maxAttributes

|  |  |  |
| --- | --- | --- |
| **sGop13** | **Max number of dataset elements** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 22.2IEC 61850-8-1 Subclause 18.1SCL Services ConfDataSet maxAttributes |
| Expected result1. DUT sends GOOSE messages with numdatsetEntries >= SCL Services ConfDataSet maxAttributes |
| Test descriptionConfigure DUT with GoCB with a dataset with at least maxAttributes number of FCD dataset elements (not exceeding the ethernet PDU size limit)1. DUT sends GOOSE messages  |
| CommentFCD data set elements have no daName |

Update table A.4.2 and certificate template and add sGop13 as mandatory.