Test description

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| **Test ID** | MIP4SLT1\_1244 |
| **Test Title** | Numerous messages situation |
| **Execution Priority** | 1 |
| **Objective** | Volumetric quantity checking incorporating OSG analysis for a nominal consumption initial use case. |
| **Scenario** | The Producer (A) provides update information to the Consumer as prescribed utilising the P/S EM on a nominal consumption Numerous messages situation (after OSG analysis). |
| **Environment** | Internet or Co-located. Exchange Pattern: P/S. |
| **Participation** | 2 or more. |
| **MTRS** | N/A |
| **Pre-test Conditions** | MIP4SLT1\_1231.  The Consumer has already achieved initialisation data and requested routine subscription to desired Topics. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the Consumer successfully receives update information to which it is subscribed on a nominal consumption numerous messages situation.  Check volumetric behaviour on both sides, Producer and Consumer. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_EM\_0008, REQ\_EM\_0010 |

Test Procedure

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| Step | Action | Expected Result | Src | Dst |
|  | Producer (1) processes subscription request from Consumer (2) and provides update information as prescribed utilising the Publish/Subscribe exchange mechanism, on a nominal consumption numerous messages situation (A trial exceeded found quota for ADEM R/R client has been 65,536 bytes, resulting in having to put a limit below it at the provider side. but further advice from SME would be needed). ~~ | Consumer (2) receives updates of subscription data, on a nominal consumption Numerous messages situation.  Check and register behaviour for a quantity volumetric analysis, i.e. what happens when the Producer needs to provide numerous messages in a row, exceeding a quota limit as a result of processing a Consumer’s subscription. ~~ | 1 | 2 |

**Configuration**

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| Item | Value | Comment |
| EventGeneration | 1 | 0 🡪 Combine steps to one event in the MTMT, generate new MTMT events on every source - destination change. 1 🡪 Every step will be added to the MTMT as a separate event. |