Test description

|  |  |
| --- | --- |
| **Test ID** | MIP4SLT1\_1271 |
| **Test Title** | Restart - Producer (P/S) |
| **Execution Priority** | 1 |
| **Objective** | Assess systems behaviour after Producer restart within the Publish/Subscribe exchange pattern. |
| **Scenario** | Producer is processing a subscription request from Consumer and providing update information as prescribed utilizing the Publish/Subscribe exchange mechanism.  Producer restarts. |
| **Environment** | Internet or Co-located. Exchange Pattern: P/S. |
| **Participation** | 2. |
| **MTRS** | N/A |
| **Pre-test Conditions** | MIP4SLT1\_1231 – Current situation P/S nominal consumption established and working. |
| **Test Inputs** | N/A. |
| **Conclusion** | Nominal restart. Ideally, the P/S subscriptions will be re-established (although that is outside the scope of the MIP specification).  Assess (record) how systems behave if the producer restarts. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_EM\_0008, REQ\_EM\_0010 |

Test Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | Producer (1) processes subscription request from Consumer (2) and provides update information as prescribed utilizing the Publish/Subscribe exchange mechanism. ~~ | Consumer (2) receives updates of subscription data. ~~ | 1 | 2 |
|  | Producer restarts. ~~ | Ideally, the P/S subscriptions will be re-established.  Assess (record) how both systems, Producer and Consumer behave after producer’s restart. ~~ | 1 | 2 |

**Configuration**

|  |  |  |
| --- | --- | --- |
| 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. |