Test description

|  |  |
| --- | --- |
| **Test ID** | MIP4SLT1\_1401 |
| **Test Title** | Backwards version compatibility - initialisation |
| **Execution Priority** | 1 |
| **Objective** | Let's use the terms 'BSO-v1' and 'BSO-v2', indicating a major version update to the BSO as an example. Assess what happens when the Provider supports BSO-v1 whereas the Consumer supports BSO-v2, the Consumer requests instances of BSO-v2 and the Provider responds with instances of BSO-v1 notification. |
| **Scenario** | A 'major version update' refers to a change in a message schema that is sufficiently significant to warrant a new namespace (i.e. a new schema), not just an extension. |
| **Environment** | Internet or Co-located. Exchange Pattern: R/R. |
| **Participation** | 2. |
| **MTRS** |  |
| **Pre-test Conditions** | 1.2.1 – Joining. |
| **Test Inputs** | Current situation as known by the provider. |
| **Conclusion** | The test is completed when the consumer system (v2) has tried to receive the current situation from the provider (v1) by means of the MIP4.0 Request-Response exchange pattern. |
| **Test Outputs** | Assess (record) what happens when the Provider supports BSO-v1 whereas the Consumer supports BSO-v2. Is the backwards version compatibility kept in case of new namespace (i.e. a new schema)? |
| **Traceability** | REQ\_IDT\_0005. MIP4\_Request\_Response\_Exchange\_Pattern. |

Test Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | Consumer (2, supports BSO-v2) requests current situation from Provider (1, supports BSO-v1). ~~ | Provider receives request (for BSO-v2 instances).  Record Provider behaviour, regarding backwards version compatibility. ~~ | 2 | 1 |
|  | Provider (1, supports BSO-v1) responds to Consumer’s (2, supports BSO-v2) request. ~~ | Received response at Consumer: either current situation data (BSO-v1 instances) or an error / problem notification.  Record Consumer and Provider behaviour, regarding backwards version compatibility. ~~ | 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. |