Test description

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| **Test ID** | MIP4SLT3SF\_3903 |
| **Test Title** | The Type of a Type Reference changes. |
| **Execution Priority** | 1 |
| **Objective** | The objective of this test is to assess the ability of consumers and producers to handle large payloads and frequent transactions. |
| **Scenario** | A Consumer receives MIP4 References with frequent Type changes from the Producer |
| **Environment** | Internet or Co-located. Exchange Pattern: P/S. |
| **Participation** | 2 |
| **MTRS** |  |
| **Pre-test Conditions** | Test group 3.6 ‘Initialisation’. |
| **Test Inputs** | Validated means to acquire information from the Producer using a MIP4 exchange pattern. |
| **Conclusion** | The producer and consumer can process MIP4 References changing frequently their Type. |
| **Test Outputs** | The Consumer successfully acquires content from the Producer and is able to apply it to their system without error. |
| **Traceability** | REQ\_SYS\_0017. |

Test Procedure

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | Obtain a MIP4 Reference from the producer. ~~ | Content will be received from the Producer. ~~ | 1 | 2 |
|  | Process the MIP4 content on the Consumer. ~~ | The Consumer will successfully process the MIP4 content without error. ~~ | 1 | 2 |
|  | Within a considered short time lapse, change IdentifiableReferenceType at the producer. Rest of Reference’s elements will stay unchanged as far as possible. Obtain it on the consumer. ~~ | Content will be received from the Producer. ~~ | 1 | 2 |
|  | Process the MIP4 content on the Consumer. ~~ | The Consumer will successfully process the MIP4 content without error. ~~ | 1 | 2 |
|  | Repeat actions on steps 3 and 4 several times. ~~ | The Consumer will successfully process the MIP4 content without error, handling frequent transactions. ~~ | 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. |