Test description

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| **Test ID** | MIP4SLT3SF\_3405 |
| **Test Title** | Object progressing through a bounding box. |
| **Execution Priority** | 5 |
| **Objective** | The objective of this test is to assess the ability to process MIP4 BSOs progressing through the previous – current position bounding box, allowing the consumer to detect if they get outside the geographical filter they defined during subscription. |
| **Scenario** | A Consumer receives MIP4 BSOs progressing through a bounding box and processes them into their system.  Out of MIP4.0 scope. |
| **Environment** | Internet or Co-located. Exchange Pattern: P/S. |
| **Participation** | 2 |
| **MTRS** |  |
| **Pre-test Conditions** | Test group 3.6 ‘Initialisation’. The Consumer has defined a geographical filter during subscription. |
| **Test Inputs** | Validated means to acquire information from the Producer using a MIP4 exchange pattern. |
| **Conclusion** | The consumer can process MIP4 BSOs progressing through a bounding box. |
| **Test Outputs** | The Consumer successfully acquires content from the Producer and is able to apply it to their system without error. |
| **Traceability** | REQ\_SYS\_0015, REQ\_SYS\_0016. |

Test Procedure

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | Obtain a MIP4 BSO inside the consumer’s geographical filter, 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, checking that the current bounding box is matching its filter. ~~ | 1 | 2 |
|  | Obtain the same MIP4 BSO that now has fallen outside the consumer’s geographical filter, 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, checking that the current bounding box is not matching its filter anymore and behaving accordingly. ~~ | 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. |