Test description

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| **Test ID** | MIP4SLT3IS\_5283 |
| **Test Title** | Undefined GeometricDefinition for an example Control Feature |
| **Execution Priority** | 1 |
| **Objective** | BSO validation. Test whether the Producer/Provider is able to create and update a Control Feature with undefined GeometricDefinition and the Consumers/Receivers are able to understand (and display) it correctly. |
| **Scenario** | The Producer creates a Control Feature (AreaOfInterest) with undefined GeometricDefinition.  The Consumers receive the information and interpret it correctly.  The Producer updates this AOI with a GeometricDefinition=Polygon.  The Consumers receive the information and interpret it correctly.  The Producer updates this AOI again with an undefined GeometricDefintion.  The Consumers receive the information and interpret it correctly. |
| **Environment** | Internet or Co-located. Exchange Pattern: R/R, P/S. |
| **Participation** | 2 or more. |
| **MTRS** | N/A |
| **Pre-test Conditions** | The Producer/Provider has created a topic which includes message elements belonging to the Control Feature message schema area.  The Consumers have subscribed to this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the Control Feature is processed and interpreted correctly on all Nations’ C2IS. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_INF\_0002 |

Test Procedure

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | The Producer (A) creates an AreaOfInterest (Control Feature) with name ***XXX\_AOI\_283*** with undefined GeometricDefinition.  **Notices:**  XXX in name of the object is meant (in principle) to be replaced by the 3 letter code of the country name.  Example for the name of the Control Feature: ITA\_AOI\_283 ~~ | Consumers (B) receive and display (not on the map) the AOI correctly. ~~ | 1 | 2 |
|  | The Producer (A) updates the AOI with GeometricDefinition=Polygon. ~~ | Consumers (B) receive and display (also on the map) the AOI correctly. ~~ | 1 | 2 |
|  | The Producer (A) updates the AOI again with an undefined GeometricDefinition. ~~ | Consumers (B) receive and display (again not on the map) the AOI correctly. ~~ | 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. |