Test description

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| **Test ID** | MIP4SLT3IS\_5481 |
| **Test Title** | Undefined GeometricDefinition for an example Facility |
| **Execution Priority** | 1 |
| **Objective** | BSO validation. Test whether the Producer/Provider is able to create and update a Facility with undefined GeometricDefinition and the Consumers/Receivers are able to understand (and display) it correctly. |
| **Scenario** | The Producer creates a Facility (Camp) with undefined GeometricDefinition.  The Consumers receive the information and interpret it correctly.  The Producer updates this Camp with a GeometricDefinition=Polygon.  The Consumers receive the information and interpret it correctly.  The Producer updates this Camp 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** | Applicable |
| **Pre-test Conditions** | The Producer/Provider has created a topic which includes message elements belonging to the Facility message schema area.  The Consumers have subscribed to this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the Facility 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 a Camp (Facility) with name ***XXX\_CAMP\_5481*** and 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 Organisation: ITA\_ CAMP\_5481 ~~ | Consumers (B) receive and display the Camp correctly (not on the map). ~~ | 1 | 2 |
|  | The Producer (A) updates the Camp with GeometricDefinition=Polygon. ~~ | Consumers (B) receive and display the Camp correctly (also on the map). ~~ | 1 | 2 |
|  | The Producer (A) updates the Camp again with an undefined GeometricDefinition. ~~ | Consumers (B) receive and display the Camp correctly (again not on the map). ~~ | 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. |