Test description

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| **Test ID** | MIP4SLT3IS\_5008 |
| **Test Title** | Create Unit with undefined GeometricDefinition. |
| **Execution Priority** | 1 |
| **Objective** | BSO validation.Test whether the Producer/Provider is able to create the correct MIP data for all the operational elements (defined by [IDT](http://www.cloudexp.com/IDT) Schema Documentation **> Unit.xsd** > **Unit**) and the Consumers are able to correctly understand (and display) it.  This case is focused on the Unit’s GeometricDefinition element when it is undefined. |
| **Scenario** | The Producer creates message elements for Unit with at least all its mandatory Elements. The Consumers receive the data and process them. GeometricDefinition Element is set to nil. |
| **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 the ‘Ground Picture > Forces’ topic. The Consumers have subscribed to this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the unit is created and all attributes are 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 creates the Unit with name ***XXX\_UL\_017*** and fills **ALL** its mandatory elements with values, taking special care to set an 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 unit: ITA\_UL\_017 ~~ | Consumers receive and process (and display) the Unit created and all elements that the Producer created. ~~ | 1 | 2 |
|  | The Producer creates an update for the object by **changing its GeometricDefinition element with nil value**. The OrganisationOperationalStatusCode is also changed, keeping the values of the rest of elements. ~~ | Consumers receive and process (and display) the created Unit with undefined location and all elements that the Producer created. ~~ | 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. |