Test description

|  |  |
| --- | --- |
| **Test ID** | MIP4SLT3IS\_5921 |
| **Test Title** | Update IED discovery IEDEvent GeometricDefinition. |
| **Execution Priority** | 1 |
| **Objective** | BSO validation. Test whether the Producer/Provider is able to create and update the geometry information of an IED discovery IEDEvent and the Consumers/Receivers are able to understand (and display) it correctly. |
| **Scenario** | The Producer creates an IED discovery IEDEvent with GeometricDefinition Sub-Type = Circle.  The Consumers receive the information and interpret it correctly.  The Producer updates the geometry information of this IEDEvent and the Sub-Type itself to Sphere.  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 Event message schema area.  The Consumers have subscribed to this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the IEDEvent and its geometry information is processed and interpreted correctly on all Nations’ C2IS. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_INF\_0002 |

Test Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | The Producer (1) creates an IEDEvent with name ***XXX\_IEDG\_921*** and with the following geometry information:   * IncidentCode = 'IEDDiscovery' * GeometricDefinition Sub-Type = Circle (with at least its Centre and Radius Elements specified)   **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 IEDEvent: GBR\_ IEDG\_921. ~~ | Consumers (2) receive and display the IEDEvent correctly. ~~ | 1 | 2 |
|  | The Producer (1) updates the IEDEvent with the following geometry information:   * GeometricDefinition Sub-Type = Sphere (Centre and Radius Elements are also updated) ~~ | Consumers (2) receive and display the IEDEvent correctly. ~~ | 1 | 2 |

**Configuration**

|  |  |  |
| --- | --- | --- |
| Item | Value | Comment |
| IEDEventGeneration | 1 | 0 🡪 Combine steps to one IEDEvent in the MTMT, generate new MTMT IEDEvents on every source - destination change. 1 🡪 Every step will be added to the MTMT as a separate IEDEvent. |