Test description

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| **Test ID** | MIP4SLT3SF\_3708 |
| **Test Title** | Represent deletions from Topics. |
| **Execution Priority** | 1 |
| **Objective** | To verify that the National MIP solution provides the ability to logically delete information from a topic.  The schemas contain an element "Operation" in the Message Holder metadata. This element is intended to carry the information about what kind of operation is supposed to be performed on/with the associated data (e.g. deletion). |
| **Scenario** | Nation A creates some tactical objects in its National C2IS in predefined topics. Nation B subscribes to Nation A’s topics. Nation A deletes some BSOs. The deletion is carried within the “Operation” element. Nation B receives the new BSO status from Nation A. The BSOs are logically deleted from the topic. |
| **Environment** | Co-located. Exchange Pattern: P/S |
| **Participation** | 2 |
| **MTRS** |  |
| **Pre-test Conditions** | Nation A has pre-defined Topics: Forces – Friendly and Neutral, Forces – Unknown, Control Features, Control Measures – Obstacles and Facilities, Fire Support - Targets |
| **Test Inputs** | N/A |
| **Conclusion** | The test is passed if Nation B receives the logical delete object status from Nation A. The deleted objects shall be removed from the situation picture. |
| **Test Outputs** | N/A |
| **Traceability** | REQ\_SYS\_0008 |

Test Procedure

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| --- | --- | --- | --- | --- |
| Step | Action | Expected Result | Src | Dst |
|  | Nation A creates a number of BSOs. ~~ | Nation A can see all the objects in its C2IS. ~~ | 1 |  |
|  | Nation B subscribes to Nation A’s topics. ~~ | Nation B receives and can see all the BSOs from Nation A in Nation A’s topics. ~~ | 1 | 2 |
|  | Nation A deletes a number of BSOs from those created in Step 1. ~~ | Nation A can see those objects logically deleted from the topics. ~~ | 1 |  |
|  | Nation B receives "Operation" = ‘Deletion’ in the Message Holder metadata for each of the deleted objects. ~~ | Nation B displays the same objects as Nation A. The deleted objects are logically deleted from the topics. ~~ | 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. |