Test description

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| **Test ID** | MIP4SLT3IS\_5218 |
| **Test Title** | Create and update OrganisationBoundary. |
| **Execution Priority** | 1 |
| **Objective** | BSO validation.To verify basic functionality regarding OrganisationBoundary: adding and updating boundaries between different organisations. |
| **Scenario** | Two nations are exchanging information between their C2IS’s. Nation A will add an OrganisationBoundary, and then change the organisations associated with the boundary (currently, there are no formal associations, just by means of the LeftOrganisationName and RightOrganisationName elements). Nation A will then create a brigade sized boundary with no organisation associated to it. |
| **Environment** | Internet or Co-located. Exchange Pattern: R/R, P/S. |
| **Participation** | 2 |
| **MTRS** | Applicable |
| **Pre-test Conditions** | Nation B has subscribed to receive information from the ‘Forces’ and ‘Battlespace Geometry’ topics of Nation A. Four or more organisations exist in this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | Nation B receives information about organisational boundaries added and updated by Nation A. The boundaries are processed correctly by the C2IS of both Nations. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_INF\_0002, REQ\_INF\_0003. |

Test Procedure

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| Step | Action | Expected Result | Src | Dst |
|  | Nation A creates an OrganisationBoundary’ in the‘Battlespace Geometry’ between two existing organisations in the ‘Forces’ topic (marked in its LeftOrganisationName and RightOrganisationName elements) ~~ | The boundary is created in Nation A’s C2IS and the EchelonCode is correctly processed and integrated. Nation B receives the new boundary, and it is processed and integrated correctly in Nation B’s C2IS. ~~ | 1 | 2 |
|  | Nation A updates the boundary so that it exists between two different organisations in the ‘Forces’ topic (its LeftOrganisationName and RightOrganisationName elements are updated) ~~ | The boundary is updated in Nation A’s C2IS and is received by Nation B. The same information is shared in the C2IS’s of both nations. ~~ | 1 | 2 |
|  | Nation A creates a second boundary for a brigade sized organisation to it. ~~ | The boundary is created in Nation A’s C2IS and the EchelonCode is integrated correctly; Nation B receives the new boundary and shares the same information. ~~ | 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. |