Test description

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| **Test ID** | MIP4SLT3IS\_5301 |
| **Test Title** | Create Atmosphere. |
| **Execution Priority** | 1 |
| **Objective** | BSO validation. Test whether the Producer/Provider is able to create an Atmosphere (MeteorologicFeature) and the Consumers/Receivers are able to understand (and display) it correctly. |
| **Scenario** | The Producer creates an Atmosphere (MeteorologicFeature)  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** | N/A |
| **Pre-test Conditions** | The Producer/Provider has created a topic which includes message elements belonging to the MeteorologicFeature message schema area.  The Consumers have subscribed to this topic. |
| **Test Inputs** | N/A. |
| **Conclusion** | This test is considered a success if the Atmosphere 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 an Atmosphere (MeteorologicFeature) with name ***XXX\_ATMOS\_5301*** and information for the following attributes:   * Location * Interpretation * ProbabilityPercent * Source * HumidityPercent * InversionLayer * PressureMeasure * PressureSystemCategory * Temperature * TemperatureGradient   **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 MeteorologicFeature: ITA\_ ATMOS\_5301 ~~ | Consumers (B) receive and display the Atmosphere correctly. ~~ | 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. |