

SWIM-INFO-019 Use of the AIRM's unique identifiers in traces

Page Table of Content

- Requirement
- Guidance
 - Verification Support
 - Correctness
 - Examples

Requirement

Title	Use of the AIRM's unique identifiers in traces
Identifier	SWIM-INFO-019
Requirement	A trace shall use the unique identifier provided by the AIRM concept at its end-point.
Rationale	This requirement determines the path of the end-point regardless of the format in which the AIRM is represented.
Verification	Correctness
Examples/Notes	<i>Note:</i> The unique identified is provided by the "URN" field attached to each concept in the AIRM.
Level of Implementation	<i>Mandatory</i>

Guidance

The end-point marks the target of the trace. In all cases this is the AIRM. An information definition always maps to the AIRM. The end-point must obviously be 'resolvable' and this is done by enforcing the use of a unique identifier.

The AIRM makes use of the URN format. This is in line with the specification's [requirement on identifiers](#).

Verification Support

Correctness

Check that:

- [] Each trace in the information definition uses the unique identifier provided by the AIRM concept at its end-point.

Examples

The example below shows how the AIRM's unique identifier is embedded into a trace in XML Schema format.

Example of SWIM-INFO-019

```
<xs:annotation>
  <xs:documentation>
    <semanticCorrespondence>
      <mapping>
        <trace type="informationConceptTrace">urn:aero:airm:1.0.0:LogicalModel:Subjects:BaseInfrastructure:
AerodromeInfrastructure:Aerodrome</trace>
      </mapping>
    </semanticCorrespondence>
  </xs:documentation>
</xs:annotation>
```