**TSM7-5.3f**

**Title: Update 9-7.2 InterpolationType**

S-100 Maintenance - Change Proposal Form

|  |  |  |  |
| --- | --- | --- | --- |
| **Organisation** | NIWC | **Date** | 8/20/2019 |
| **Contact** | David Grant | **Email** | David.Grant1@navy.mil |

Change Proposal Type *(Select only one option)*

|  |  |  |
| --- | --- | --- |
| 1.Clarification | 2.Correction | 3.Extension |
|  | X |  |

Location (*Identify all change proposal locations)*

|  |  |  |  |
| --- | --- | --- | --- |
| S-100 Version No. | Part No. | Section No. | Proposal Summary |
| Version 4 | 9 | 7.2 | Update InterpolationType to match changes to Part 7 |

Change Proposal

Add support for polynomialSpline, bezierSpline, bSpline, blendedParabolic (see 7-4.2.1.1)

<xs:simpleType name="InterpolationType">

<xs:restriction base="xs:string">

<xs:enumeration value="None"/>

<xs:enumeration value="Linear"/>

<xs:enumeration value="Loxodromic"/>

<xs:enumeration value="CircularArc3Points"/>

<xs:enumeration value="Geodesic"/>

<xs:enumeration value="CircularArcCenterPointWithRadius"/>

<xs:enumeration value="Elliptical"/>

<xs:enumeration value="Conic"/>

<xs:enumeration value=”PolynomialSpline”/>

<xs:enumeration value=”BezierSpline”/>

<xs:enumeration value=”BSpline”/>

<xs:enumeration value=”BlendedParabolic”/>

</xs:restriction>

</xs:simpleType>

Change Proposal Justification

Interpolations have been added to Part 7 which must be reflected in Part 9

What parts of the S-100 Infrastructure will this proposal affect?

S-100 Feature Concept Dictionary Interface or Database

S-100 Portrayal Register

S-100 Feature Catalogue Builder

S-100 Portrayal Catalogue Builder

S-100 UML Models

S-100 GitHub Schemas

**Please send completed forms and supporting documentation to the secretary S-100WG.**