

Template 1001: Beginning of a whole-life possible individual

Shorthand template

The shorthand template contains two roles:

- beginning, cardinality 1
- beginningIndividual, cardinality 1

$$\begin{aligned} \forall s(\text{ST-1001}(s) \rightarrow & \\ & \exists! x(\text{beginning}(s, x)) \wedge \\ & \exists! x(\text{beginningIndividual}(s, x)) \wedge \\ & \forall x(\text{beginning}(s, x) \rightarrow \exists z(\text{Classification}(z) \wedge \text{classified}(z, x) \wedge \text{classifier}(z, \text{XmlSchemaDateTime}))) \wedge \\ & \forall x(\text{beginningIndividual}(s, x) \rightarrow \text{WholeLifeIndividual}(x))) \end{aligned}$$

Longhand template

$$\begin{aligned} \forall s, x_1, x_2(\text{ST-1001}(s) \wedge & \\ & \text{beginning}(s, x_1) \wedge \\ & \text{beginningIndividual}(s, x_2) \\ \rightarrow \exists y_1, y_2, y_3(\text{LT-1001.Beginning}(y_1) \wedge & \\ & \text{whole}(y_1, x_2) \wedge \text{part}(y_1, y_2) \wedge \\ & \text{LT-1001.PointInTime}(y_2) \wedge \\ & \text{LT-1001.ClassOfRepresentationOfThing}(y_3) \wedge \\ & \text{represented}(y_3, y_2) \wedge \text{pattern}(y_3, x_1))) \end{aligned}$$