### socP**xx** **requires** (is **required by**)

Domain:

socE2 Activity Plan

Range:

socE4 Event Template

Quantification:

Scope note:

This property associates an instance of socE2 Activity Plan with an instance of socE4 Event Template which specifies the activity that should take place. This property can be used to describe active plans.

Examples:

The disaster plan of the Tate Archives (socE2) *requires* the event template (socE4) which specifies the water-tight doors of the archive store rooms are shut.

My wedding plan (socE2) *requires* the event template (socE4) which specifies the date (12th August), place (Cardiff Castle) and the minister (Rev Glyn Tidwell) taking the service.

In First Order Logic:

### socP**17** **has trigger** (is **trigger for**)

Domain:

socE2 Activity Plan

Range:

socE4 Event Template

Quantification:

Scope note:

This property associates an instance of socE2 Activity Plan with an instance of socE4 Event Template which specifies events that trigger the activity plan. This property can be used to describe when a reactive plan is meant to take place.

Examples:

The disaster plan of the Tate Archives (socE2) *has trigger* the event template (socE4) which specifies the event of river Thames flooding.

In First Order Logic:

### socP**xx** **matched template** (is **template for**)

Domain:

E5 Event

Range:

socE4 Event Template

Quantification:

Scope note:

This property associates an instance of E5 Event with an instance of socE4 Event Template which it matches. The event matches the specified template when all of the instances recorded by the event template properties are observed during the event.

Examples:

My wedding (E7) *matched template* (socE4) which was produced by my wedding planner and specified to take place on the 12th of August, at Cardiff Castle with the Rev Glyn Tidwell taking the service.

In First Order Logic:

### socP24 specifies material substantial (is specified material substantial)

Domain:

socE4 Event Template

Range:

S10 Material Substantial

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with an instance of S10 Material Substantial which the template specifies be used or be present during the specified event.

Examples:

The event template (socE4) which triggers the disaster plan of the Tate Archives *specifies material substantial* the river Thames (S10) flooding.

In First Order Logic:

* socP24(x,y) ⊃ socE4(x)
* socP24(x,y) ⊃ S10(y)

### socP23 specifies actor (is specified actor of)

Domain:

socE4 Event Template

Range:

E39 Actor

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the instance of E39 Actor specified by the template as taking part in the specified event.

Examples:

The template specifying my wedding (socE4), *specifies actor* the Rev Glyn Tidwell (E39) be present to undertake the wedding service.

The event template (socE4) for the treatment proposal for MS Greek 418 *specifies actor* the conservator Nicholas Pickwoad (E39) be present to undertake the repair.

In First Order Logic:

* socP23(x,y) ⊃ socE4(x)
* socP23(x,y) ⊃ E39(y)

### socP22 specifies time-span (is specified time-span of)

Domain:

socE4 Event Template

Range:

E52 Time-Span

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the instance of E52 Time-span which is specified by the template as being the time-span for the specified event.

Examples:

The template specifying my wedding (socE4), *specifies time-span* the 12th of August 2006 between 14:00 and 23:00 (E52), for the wedding to take place.

In First Order Logic:

* socP22(x,y) ⊃ socE4(x)
* socP22(x,y) ⊃ E52(y)

### socP21 specifies place (is specified place of)

Domain:

socE4 Event Template

Range:

E53 Place

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the instance of E53 Place which is specified by the template as the place of the specified event.

Examples:

The template specifying my wedding (socE4), *specifies place* the location of Cardiff Castle (E53) for the wedding party to take place.

In First Order Logic:

* socP21(x,y) ⊃ socE4(x)
* socP21(x,y) ⊃ E53(y)

### socP19 specifies the role type of a required actor (is the role type of a required actor)

Domain:

socE4 Event Template

Range:

E55 Type

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the E55 Type of the role of a required E39 Actor specified by the template. This property does not require the instance of E39 Actor to be specified by socP23 specifies actor (is specified actor of).

Examples:

The template specifying my wedding (socE4) *specifies the role of a required actor* as disc jockey (E55) so that someone plays music for the wedding guests.

In First Order Logic:

* socP19(x,y) ⊃ socE4(x)
* socP19(x,y) ⊃ E55(y)

### socP18 specifies event type (is specified event type of)

Domain:

socE4 Event Template

Range:

E55 Type

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the type (E55 Type) of the E5 Event which the template specifies. Typically, the instance of E5 Event is not known when the event template is produced, so it cannot be specified.

Examples:

The disaster plan of the Tate Archives ) is triggered by the river Thames flooding (socE4) which *specifies event type*: "flood" (E55).

In First Order Logic:

* socP18(x,y) ⊃ socE4(x)
* socP18(x,y) ⊃ E55(y)

### s**oc**P20 specifies type of thing (is specified type of thing of)

Domain:

socE4 Event Template

Range:

E55 Type

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the type (E55 Type) of a thing which the template specifies be used or be present for the specified event. The instance of the thing can be specified using the property socP24 specifies material substantial (is specified material substantial).

Examples:

My wedding plan requires an event template (socE4) which *specifies type of thing* “wedding ring” (E55) to be given to the minister by the best man, but it does not specify which instance of a wedding ring it is.

In First Order Logic:

* scoP20(x,y) ⊃ socE4(x)
* scoP20(x,y) ⊃ E55(y)

### s**oc**P**xx** specifies **situation** (**is specified situation of**)

Domain:

socE4 Event Template

Range:

I11 Situation

Quantification:

*0,n:0,n*

Scope note:

This property associates an instance of socE4 Event Template with the instance of I11 Situation which the template specifies be observed. This property can be used to describe the properties and values to be observed for an event to trigger a reactive plan. It can also be used to describe the properties and values to monitor while working towards fulfilling an active plan.

Examples:

The event template (socE4) which triggers the disaster plan of the Tate Archives *specifies situation* (I11) that the depth of the river Thames is 10 meters (i.e. about to overflow).

In First Order Logic:

* scoP20(x,y) ⊃ socE4(x)
* scoP20(x,y) ⊃ E55(y)