# Model for plans

### E100 Activity Plan

Subclass of:       E29 Design or Procedure

Superclass of:

Scope note: his class comprises plans for specific predefined activities or kinds of activities to happen. They consist of descriptions of specific constraints, patterns or types of activities that could be realized. They may also foresee that the planned activities are realized at times explicitly foreseen by the actor intending the application of the plan, for instance, to organize a conference, in which case we may talk about “active plans”. Alternatively, times of realization may be foreseen in reaction to external kind of events foreseen by the plan, for instance a rescue action in case of earthquake according to a rescue plan, or a penal action in case of criminal activity according to a law, in which case we may talk about “reactive plans”. An instance of Activity Plan does not imply the intention of any Actor to apply it. It may be created together, before or without the will to apply it. For instance, laws are created before they are passed in the parliament. Any Activity Plan may require specific conditions for it to be applicable. For example a plan to excavate a river bank may require that the river is flooded. Or my plan to lime plaster my stone wall requires that it is winter (i.e. wet and cold).

Examples:

* The disaster plan of Tate Archives in case of the Thames flooding.
* The proposal for conservation work for MS Greek 418 at the Saint Catherine library.

Properties: P? requires event of type (is required by) E55 Type

P? is assessed by (assesses) I4 Proposition Set

### E101 Intention to Apply

Subclass of:       S16 State

Superclass of:

Scope note: This class comprises the mental state of intention or wanting to apply a particular instance of Activity Plan by a particular E39 Actor. This can be understood as the period of time that an individual or a group holds a particular will. It binds the activity plan to the actor. The intention to apply may be abandoned before the realization of the plan. When the plan is realized, the intention to apply must still exist. Characteristically, the passing of a law initiates the intention of a parliament to apply a law. In many cases, the creation of the plan initiates the intention to apply it, and in case of “active plans” the realization ends the intention. Often, the existence of the intention to apply cannot be determined other by the realization of the plan.

Examples:

* The intention of Nicholas Pickwoad to undertake conservation work on MS Greek 418 at the Saint Catherine's Library.

Properties:

is intention of: E39 Actor

is expressed in (expresses): E31 Document

to apply within : E61 Time Primitive

initiated by:  E7 Activity

ended by:  E7 Activity

intends to apply: Activity Plan

### Expression of Intention (may be not necessary)

Subclass of:         E31 Document

Superclass of:

Scope note: This class comprises the externalisation, the expression of the Intention to Apply in the form of identifiable immaterial objects, such as texts, that make propositions about these intentions. These are kind of formal texts, legal documents, proceedings, minutes etc. that document the will, the intentions of the actor.

Examples:

Properties:

## Property Declaration

### P187 is intention of (has intention)

Domain: Intention to Apply

Range:  E39 Actor

Quantification:   (1,n:0,n)

Scope note: This property associates an instance of EXX Intention to Apply an activity plan with the actors intending it.

Examples:           “A Parliament regarding a law as being decided”

### P188 is expressed in  (expresses)

Domain: Intention to Apply

Range: E31 Document

Quantification:

Scope note: This property associates an Intention to Apply with the externalisation of this intention (Expression) in a document.

Examples:

* The Tate Archives disaster planning document (E31 Document) *expresses* the intention of undertaking certain actions (E?? Intention to Apply) to save the collection in case of the Thames flooding.

### P189 to apply within

Domain:  Intention to Apply

Range:  E61 Time Primitive

Quantification:   (0,n:0,n)

Scope note:  This property associates an instance of EXX Intention to Apply with the time constraint foreseen by the intending party for the actual application of the planned activities. The intending party may vary the time constraint over time. In case a newly set time constraint narrows down a previously set time constraint, one may regard both constraints as being simultaneously true and consistent. In case the newly set time constraint exceeds the previous one (typically delaying the foreseen time of application), we may talk about a modification of the overall intention to apply. This modification should be regarded as an intention in its own right, but being part of an overall instance of EXX Intention to Apply, which continues to be maintained.

Examples:   “Law XXX to be in force from 1.1.2018”

To add to scope note: the nature of the time use as declarative

### P190 initiated by (initiates)

Domain:  Intention to Apply

Range: E7 Activity

Quantification:   (0,1:0,n)

Scope note:  This property associates the beginning of an instance of EXX Intention to Apply with an explicit activity initiating it. Often, the initiation of intention to apply is implicit in the creation of the activity plan.

Examples:            “Parliament XX deciding law YY”

### P191 ended by  (ends)

Domain: Intention to Apply

Range: E5 Event

Quantification: (0,1:0,n)

Scope note: This property associates the end of an instance of EXX Intention to Apply with an explicit activity or event terminating it. Often, the termination of intention to apply is implicit in the realization of the activity plan. In other cases, it is silently forgotten

Examples: Storing MS Greek 418 into its new phase box (E7 Activity) *ends* the intention to conserve it (E?? Intention to Apply)

Suggestion: add to scope note how an event or an activity could bring about an end to the intention. For instance earthquake or volcanic eruption makes possibility fo realization impossible.

Potentially add example form architecture and city planning Anais

**P192 realized  (is realised by)**

Domain:  E7 Activity

Range: Activity Plan

Quantification:   (0,n:0,n)

Scope note: This property associates a particular instance of E7 Activity which realized an Activity Plan in a way regarded as valid by the actors intending it. (Should we require that a realization falls within the period of intending it?)

Examples:

* “Getting a fine following paragraph XXX.” “I have built my house according to the agreed design (not me alone…)”
* The conservation of MS Greek 418 (E7 Activity) *realised* the proposals for its conservation (Activity Plan)

*(CRM-SIG comment) This scope note particularly requires rewriting to express the notion of the realization only be a realization if it falls within the time span of the intention to apply itself (not its projection of when it would happen).*