# Model for plans

### E100 Activity Plan

Subclass of: E29 Design or Procedure

Superclass of:

Scope note: This class comprises plans foreseeing specific predefined activities or kinds of activities taking place. 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 events of a kind foreseen by the plan, for instance the rescue activity after an earthquake following a rescue plan, or a penal action in the case of criminal activity according to a penal code, in which case we may talk about “reactive plans”. The existence of an instance of Activity Plan does not necessarily 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 by 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: E2 Temporal Entity

Superclass of:

Scope note: This class comprises the mental states of individual instances of E39 Actor that intend to or want to apply a particular instance of Activity Plan. This can be understood as the period of time when an individual or 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 actually realized, the ‘intention to apply’ must necessarily still exist. Characteristically, the passing of a law initiates the intention of a parliament to apply the law. In many cases, the creation of the plan initiates the intention to apply it, and in the case of “active plans” the completed realization of the plan ends the intention. Often, the existence of the ‘intention to apply’ cannot be determined other than 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:

P189 is intention of (has intention): E39 Actor

P190 is expressed in (expresses): E31 Document

P191 to apply within: E61 Time Primitive

P192 initiated by (initiates): E5 Event

P193 ended by (ends): E5 Event

intends to apply: E100 Activity Plan

## Property Declaration

### P189 is intention of (has intention)

Domain: E101 Intention to Apply

Range:E39 Actor

Quantification: (1,n:0,n)

Scope note: This property associates an instance of E101 Intention to Apply an activity plan with the actors intending it.

Examples:

* “A Parliament regarding a law as being decided”

### P190 is expressed in  (expresses)

Domain: E101 Intention to Apply

Range: E31 Document

Quantification:

Scope note: This property associates an instance of E101 Intention to Apply with an instance of E31 Document that captures the externalisation of this intention.

Examples:

* The Tate Archives disaster planning document (E31) expresses the intention of undertaking certain actions (E101 Intention to Apply) to save the collection in the event of the Thames flooding.

### P191 to apply within

Domain: E101 Intention to Apply

Range: E61 Time Primitive

Quantification: (0,n:0,n)

Scope note: This property associates an instance of E101 Intention to Apply with the declarative time constraint foreseen by the intending party for the actual application of the activity plan. The intending party may alter the time constraint over time. In case the newly set time constraint narrows a previously set time constraint, one may regard both constraints as being simultaneously true and consistent. In the case that the newly set time constraint does not just narrow the previous one (typically delaying the foreseen time of application), it should be regarded as a modification of the overall ‘intention to apply’. The result of this modification should be regarded as an ‘intention to apply’ in its own right that is part of an overall instance of E101 Intention to Apply, which continues to be held.

Examples:

* Law XXX to be in force from 1.1.2018”

### P192 initiated by (initiates)

Domain: E101 Intention to Apply

Range: E5 Event

Quantification: (0,1:0,n)

Scope note: This property associates the beginning of an instance of E101 Intention to Apply with an explicit event initiating it. Often, the initiation of the ‘intention to apply’ is implicit in the creation of the activity plan.

Examples:

* “Parliament XX deciding law YY”

### P193 ended by  (ends)

Domain: E101 Intention to Apply

Range: E5 Event

Quantification: (0,1:0,n)

Scope note: This property associates the end of an instance of E101 Intention to Apply with an explicit activity or event terminating it. Often, the termination of the ‘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 (E101)

**P194 realized  (is realised by)**

Domain:  E7 Activity

Range: E100 Activity Plan

Quantification:   (0,n:0,n)

Scope note: This property associates an instance of E7 Activity with the instance of E100 Activity Plan of which it is regarded as being a valid execution by the actors holding the ‘intention to apply’. To be valid the E61 Time Primitive associated with the instance of E7 Activity must fall within the E61 Time Primitive foreseen in the E101 Intention to Apply.

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)