##### from (old)

**P4 has time-span (is time-span of)**

Domain: [E2](#_E2_Temporal_Entity) Temporal Entity

Range: [E52](#_E52_Time-Span) Time-Span

Quantification: many to one, necessary, dependent (1,1:1,n)

Scope note: This property describes the temporal confinement of an instance of an E2 Temporal Entity.

The related instance of E52 Time-Span is understood as the real Time-Span during which the phenomena were active, which make up the temporal entity instance. It does not convey any other meaning than a positioning on the “time-line” of chronology. The Time-Span in turn is approximated by a set of dates (instances of E61 Time Primitive). A temporal entity can have in reality only one Time-Span, but there may exist alternative opinions about it, which we would express b assigning multiple Time-Spans. Related temporal entities may share a E52 Time-Span. Instances of E52 Time-Span may have completely unknown dates but other descriptions by which we can infer knowledge.

Examples:

* the Yalta Conference (E7) *has time-span* Yalta Conference time-span (E52)

In First Order Logic:

P4(x,y) ⊃ E2(x)

P4(x,y) ⊃ E52(y)

##### to (new, working definition)

**P4 has time-span (is time-span of)**

Domain: [E2](#_E2_Temporal_Entity) Temporal Entity

Range: [E52](#_E52_Time-Span) Time-Span

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* the Yalta Conference (E7) *has time-span* Yalta Conference time-span (E52)

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P4(x,y) ⊃ E52(y)