## Issue 453

Changes in **blue**

### P4 has time-span (is time-span of) edited form

Domain: E2 Temporal Entity

Range: E52 Time-Span

Quantification: many to one, necessary (1,1:0,n)

Scope note: This property associates an instance of E2 Temporal Entity with the instance of E52 Time-Span during which it was on-going. The associated instance of E52 Time-Span is understood as the real time-span during which the phenomena making up the temporal entity instance were active. More than one instance of E2 Temporal Entity may share a common instance of E52 Time-Span only if they come into being and end being due to identical declarations or events.

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)

### P170 defines time (time is defined by) –HW by SdS

Domain: E61Time Primitive

Range: E52 Time Span

Quantification: many to one (0,1:0,n)

Scope note: This property associates an instance of E61 Time Primitive with the instance of E52 Time-Span that constitutes the interpretation of the terms of the time primitive as an extent in absolute, real time.

The quantification allows several instances of E61 Time Primitive that are each expressed in different syntactic forms, to define the same instance of E52 Time Span.

Examples:

* + (1800/1/1 0:00:00 – 1899/31/12 23:59:59)(E61) defines time The 19th century (E52)
	+ (1968/1/1 – 2018/1/1)(E61) defines time “1968/1/1 – 2018/1/1” (E52) [an arbitrary time-span during which the Saint Titus reliquary was present in the Saint Titus Church in Heraklion, Crete]

In First Order Logic:

 P170(x,y) ⊃ E61(x)

 P170(x,y) ⊃ E52(y)