### 524: reformulate the scope note of O19 and O21.

The scope note for O19 encountered object (was object encountered at) changed

#### FROM (original)

**O19 encountered object (was object encountered at)**

Domain: [S19](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_S40_Encounter_Event) Encounter Event

Range: [E18](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_E12_Production_) Physical Thing

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

Scope note: This property associates an instance of S19 Encounter Event with an instance of E18 Physical

Thing that has been found.

Examples:

* The preservation followed the in situ finding (S19) that *has found*/detected the 18 arrowheads (E18) from Lerna in Argolis in 1994.

In First Order Logic:

O19(x,y) ⊃ S19(x)

O19(x,y) ⊃ E18(y)

#### TO (revised)

**O19 encountered object (was object encountered at)**

Domain: [S19](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_S40_Encounter_Event) Encounter Event

Range: [E18](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_E12_Production_) Physical Thing

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

Scope note: This property associates an instance of S19 Encounter Event with an instance of E18 Physical Thing that was encountered or observed as present during the event.

Examples:

* The preservation followed the in situ finding (S19) that *has found*/detected the 18 arrowheads (E18) from Lerna in Argolis in 1994[[1]](#footnote-1).

In First Order Logic:

O19(x,y) ⊃ S19(x)

O19(x,y) ⊃ E18(y)

The scope note of O21 encountered at (witnessed encounter) changed

**O21 encountered at (witnessed encounter)**

Domain: [S19](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_S40_Encounter_Event) Encounter Event

Range: [E53](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_E53_Place) Place

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

Scope note: This property associates an instance of S19 Encounter Event with an instance of E53 Place at which an encounter event found things. It identifies the narrower spatial location in which a thing was found at. This maybe known or given in absolute terms or relative to the thing found. It describes a position within the area in which the instance of the encounter event occurred and found something.

Examples:

* The “urn:catalog:IOL:POLY:Sphaerosyllis-levantina-ALA-IL-7-Oct.2009” (S19) *has found at* Haifa Bay (E53).

In First Order Logic:

O21(x,y) ⊃ S19(x)

O21(x,y) ⊃ E53(y)

#### TO (revised)

**O21 encountered at (witnessed encounter)**

Domain: [S19](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_S40_Encounter_Event) Encounter Event

Range: [E18](file:///C:\Users\tsoulouha\Desktop\CRMsci%20v.1.2.9_0.docx#_E12_Production_) Physical Thing

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

Scope note: This property associates an instance of S19 Encounter Event with an instance of E53 Place at which the things, which were encountered, were observed to be present. This may be given in absolute terms or in terms relative to the observed thing. The associated place must be within the boundaries of the E53 Place at which the S19 Encounter Event took place, if that has been given.

Examples:

* The “urn:catalog:IOL:POLY:Sphaerosyllis-levantina-ALA-IL-7-Oct.2009” (S19) *has found at* Haifa Bay (E53).

In First Order Logic:

O21(x,y) ⊃ S19(x)

O21(x,y) ⊃ E53(y)

1. *Fake example* (fictitious) [↑](#footnote-ref-1)