**P58 has section definition (defines section)**

Domain: [E18](#_E18_Physical_Thing) Physical Thing

Range: [E46](#_E46_Section_Definition) Section Definition

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

Scope note: This property links an area (section) named by a E46 Section Definition to the instance of E18 Physical Thing upon which it is found.

The CRM handles sections as locations (instances of E53 Place) within or on E18 Physical Thing that are identified by E46 Section Definitions. Sections need not be discrete and separable components or parts of an object.

This is part of a more developed path from ‘*E18 Physical Thing’* through *‘P58 has section definition’, ‘E46 Section Definition, P87 is identified by, E44 Place Appellation* that allows a more precise definition of a location found on an object than the shortcut *P59 has section (is located on or within)*.

A particular instance of a Section Definition only applies to one instance of Physical Thing.

Examples:

* HMS Victory (E22) *has section definition* “poop deck of HMS Victory” (E46)

In First Order Logic:

P58(x,y) ⊃ E18(x)

P58(x,y) ⊃ E46(y)

**Comment:**

For this property, the range is deprecated. The scope note of [E46](#_E46_Section_Definition) Section Definition says “is deprecated, use E41 Appellation instead”. However, E41 Appellation is not the direct superclass of E46. The direct super property is E44 Place Appellation, which has no properties. The decision to generalize E46 Section Definition to E41 Appellation implies that P58 has section definition (defines section) would get the range E41 Appellation. The ‘new’ P58 will link instances of [E18](#_E18_Physical_Thing) Physical Thing to an instance of E41 Appellation being the name of a section (place) on the instances of [E18](#_E18_Physical_Thing) Physical Thing. Is this really a necessary property?

### P149 is identified by (identifies)

Domain: [E28](#_E28_Conceptual_Object) Conceptual Object

Range: [E75](#_E75_Conceptual_Object) Conceptual Object Appellation

Subproperty of: [E1](#_E1_CRM_Entity) CRM Entity. [P1](#_P1_is_identified) is identified by (identifies): [E41](#_E41_Appellation) Appellation

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

Scope note: This property identifies an instance of E28 Conceptual Object using an instance of E75 Conceptual Object Appellation.

Examples:

The German edition of the CIDOC CRM (E73) *is identified* *by* ISBN 978-3-00-030907-6 (E75)

In First Order Logic:

P149(x,y) ⊃ E28(x)

P149(x,y) ⊃ E75(y)

P149(x,y) ⊃ P1(x,y)

**Comment:**

For this property, the range is deprecated. The scope note of [E75](#_E75_Conceptual_Object) Conceptual Object Appellation says “is deprecated, use E41 Appellation instead. The P149 will then be equal to P1 Identified by (identifies) restricted to E28 Conceptual Objects and should be deleted/ deprecated. The scope not header of [P1](#_P1_is_identified) is identified by (identifies): must be adjusted.