E19 Physical Object in version 7.1.1

Acquired from http://www.cidoc-crm.org/Entity/E19-Physical-Object/version-7.1.1

Included here because a 'sample' can be viewed as an identified physical object that is representative of something in the world.

## Subclass **of :**

[**E18 Physical Thing**](http://www.cidoc-crm.org/entity/e18-physical-thing/version-7.1.1)

## Superclass of:

[**E20 Biological Object**](http://www.cidoc-crm.org/Entity/e20-biological-object/version-7.1.1)**,**[**E22 Human-Made Object**](http://www.cidoc-crm.org/Entity/e22-human-made-object/version-7.1.1) **[no subclass for natural object!]**

## Scope Note:

This class comprises items of a material nature that are units for documentation and have physical boundaries that separate them completely in an objective way from other objects.

The class also includes all aggregates of objects made for functional purposes of whatever kind, independent of physical coherence, such as a set of chessmen. Typically, instances of E19 Physical Object can be moved (if not too heavy).

In some contexts, such objects, except for aggregates, are also called “bona fide objects” (Smith & Varzi, 2000, pp.401-420), i.e., naturally defined objects.

The decision as to what is documented as a complete item, rather than by its parts or components, may be a purely administrative decision or may be a result of the order in which the item was acquired.

## Examples**:**

* Aphrodite of Milos (E22) (Kousser, 2005)
* the Cullinan Diamond (Scarratt and Shor, 2006)
* Apollo 13 at the time of launch (E22) (Lovell and Kluger, 1994)

## Properties**:**

[P54 has current permanent location (is current permanent location of)](http://www.cidoc-crm.org/Property/p54-has-current-permanent-location/version-7.1.1)  [E53 Place](http://www.cidoc-crm.org/entity/e53-place/version-7.1.1),

[P55 has current location (currently holds)](http://www.cidoc-crm.org/Property/p55-has-current-location/version-7.1.1)  [E53 Place](http://www.cidoc-crm.org/entity/e53-place/version-7.1.1),

[P56 bears feature (is found on)](http://www.cidoc-crm.org/Property/p56-bears-feature/version-7.1.1)  [E26 Physical Feature](http://www.cidoc-crm.org/entity/e26-physical-feature/version-7.1.1),

Physical feature: has a one-, two- or three-dimensional geometric extent, but no natural borders that separate them completely in an objective way from the carrier objects. For example, a doorway is a feature but the door itself, being attached by hinges, is not. They cannot be separated from the carrier object, but a segment of the carrier object may be identified (or sometimes removed) carrying the complete feature.

Instances can be scratches, holes, reliefs, surface colours, reflection zones in an opal crystal or a density change in a piece of wood. In the wider sense, they are portions of particular objects with partially imaginary borders, such as the core of the Earth, an area of property on the surface of the Earth, a landscape or the head of a contiguous marble statue. They can be measured and dated, and it is sometimes possible to state who or what is or was responsible for them.

[P57 has number of parts](http://www.cidoc-crm.org/Property/p57-has-number-of-parts/version-7.1.1) [E60 Number](http://www.cidoc-crm.org/entity/e60-number/version-7.1.1)

## Inherited properties

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| [E1 CRM Entity.](http://www.cidoc-crm.org/node/7759) [P1 is identified by (identifies)](http://www.cidoc-crm.org/node/8093)[E41 Appellation](http://www.cidoc-crm.org/node/7796) |
| [E1 CRM Entity.](http://www.cidoc-crm.org/node/7759) [P2 has type (is type of)](http://www.cidoc-crm.org/node/8094)[E55 Type](http://www.cidoc-crm.org/node/7801)  Type: concept used to characterize and classify instances of classes. Instances of E55 Type represent concepts in contrast to instances of E41 Appellation which are used to name instances of CIDOC CRM classes. E55 Type is the CIDOC CRM’s interface to domain specific ontologies and thesauri. These can be represented in the CIDOC CRM as subclasses of E55 Type, forming hierarchies of terms, i.e., instances of E55 Type linked via P127 has broader term (has narrower term): E55 Type. Such hierarchies may be extended with additional properties. |
| [E70 Thing.](http://www.cidoc-crm.org/node/7816) [P101 had as general use (was use of)](http://www.cidoc-crm.org/node/8176)[E55 Type](http://www.cidoc-crm.org/node/7801) |
| [E1 CRM Entity.](http://www.cidoc-crm.org/node/7759) [P137 exemplifies (is exemplified by)](http://www.cidoc-crm.org/node/8204)[E55 Type](http://www.cidoc-crm.org/node/7801) |
| [E1 CRM Entity.](http://www.cidoc-crm.org/node/7759) [P3 has note](http://www.cidoc-crm.org/node/8095) [E62 String](http://www.cidoc-crm.org/node/7808) |
| [E70 Thing.](http://www.cidoc-crm.org/node/7816) [P43 has dimension (is dimension of)](http://www.cidoc-crm.org/node/8132)[E54 Dimension](http://www.cidoc-crm.org/node/7800)  Maps to 'hasAttribute' |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P44 has condition (is condition of)](http://www.cidoc-crm.org/node/8133)[E3 Condition State](http://www.cidoc-crm.org/node/7761) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P45 consists of (is incorporated in)](http://www.cidoc-crm.org/node/8134)[E57 Material](http://www.cidoc-crm.org/node/7803)  Material: Instances of E57 Material may denote properties of matter before its use, during its use, and as incorporated in an object, such as ultramarine powder, tempera paste, reinforced concrete. This type is used categorically in the model without reference to instances of it, i.e., the Model does not foresee the description of instances of instances of E57 Material, e.g.: “instances of gold”. Discrete pieces of raw-materials kept in museums, such as bricks, sheets of fabric, pieces of metal, should be modelled individually in the same way as other objects. Discrete used or processed pieces, such as the stones from Nefer Titi's temple, should be modelled as parts (cf. P46 is composed of (forms part of): E18 Physical Thing). |
| [E70 Thing.](http://www.cidoc-crm.org/node/7816) [P130 shows features of (features are also found on)](http://www.cidoc-crm.org/node/8198)[E70 Thing](http://www.cidoc-crm.org/node/7816) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P198 holds or supports (is held or supported by)](http://www.cidoc-crm.org/node/8246)[E18 Physical Thing](http://www.cidoc-crm.org/node/7776) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P46 is composed of (forms part of)](http://www.cidoc-crm.org/node/8135)[E18 Physical Thing](http://www.cidoc-crm.org/node/7776)  Maps to 'hasPart' |
| [E1 CRM Entity.](http://www.cidoc-crm.org/node/7759) [P48 has preferred identifier (is preferred identifier of)](http://www.cidoc-crm.org/node/8136)[E42 Identifier](http://www.cidoc-crm.org/node/7797) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P49 has former/current keeper (is former or current keeper of)](http://www.cidoc-crm.org/node/8137)[E39 Actor](http://www.cidoc-crm.org/node/7795) |
| Actor: people, either individually or in groups, who have the potential to perform intentional actions of kinds for which someone may be held responsible. |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P50 has current keeper (is current keeper of)](http://www.cidoc-crm.org/node/8138)[E39 Actor](http://www.cidoc-crm.org/node/7795) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P51 has former/current owner (is former or current owner of)](http://www.cidoc-crm.org/node/8139)[E39 Actor](http://www.cidoc-crm.org/node/7795) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P52 has current owner (is current owner of)](http://www.cidoc-crm.org/node/8140)[E39 Actor](http://www.cidoc-crm.org/node/7795) |
| [E72 Legal Object.](http://www.cidoc-crm.org/node/7818) [P105 right held by (has right on)](http://www.cidoc-crm.org/node/8180)[E39 Actor](http://www.cidoc-crm.org/node/7795) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P53 has former/current location (is former or current location of)](http://www.cidoc-crm.org/node/8141)[E53 Place](http://www.cidoc-crm.org/node/7799)  Place: an extent in space, in particular on the surface of the earth, in the pure sense of physics: independent from temporal phenomena and matter. The instances of E53 Place are usually determined by reference to the position of “immobile” objects such as buildings, cities, mountains, rivers, or dedicated geodetic marks, but may also be determined by reference to mobile objects. A Place can be determined by combining a frame of reference and a location with respect to this frame. It is sometimes argued that instances of E53 Place are best identified by global coordinates or absolute reference systems. However, relative references are often more relevant in the context of cultural documentation and tend to be more precise. In particular, we are often interested in position in relation to large, mobile objects, such as ships. For example, the Place at which Nelson died is known with reference to a large mobile object – H.M.S Victory. A resolution of this Place in terms of absolute coordinates would require knowledge of the movements of the vessel and the precise time of death, either of which may be revised, and the result would lack historical and cultural relevance. Any instance of E18 Physical Thing can serve as a frame of reference for an instance of E53 Place. This may be documented using the property P157 is at rest relative to (provides reference space for). |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P59 has section (is located on or within)](http://www.cidoc-crm.org/node/8146)[E53 Place](http://www.cidoc-crm.org/node/7799)  hasLocatedPart |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P156 occupies (is occupied by)](http://www.cidoc-crm.org/node/8219)[E53 Place](http://www.cidoc-crm.org/node/7799) |
| [E72 Legal Object.](http://www.cidoc-crm.org/node/7818) [P104 is subject to (applies to)](http://www.cidoc-crm.org/node/8179)[E30 Right](http://www.cidoc-crm.org/node/7787) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P128 carries (is carried by)](http://www.cidoc-crm.org/node/8196)[E90 Symbolic Object](http://www.cidoc-crm.org/node/7831) |
| [E18 Physical Thing.](http://www.cidoc-crm.org/node/7776) [P196 defines (is defined by)](http://www.cidoc-crm.org/node/8244)[E92 Spacetime Volume](http://www.cidoc-crm.org/node/7832) |