### 447: A7 Embedding

#### OLD definition

**A7 Embedding**

Subclass of: [E3](#_E3_Condition_State) Condition State

Superclass of:

Scope Note: This class comprises the states of instances of E18 Physical Things of being partially or completely embedded at a particular position with relative stability in one or more A2 Stratigraphic Volume Units. Normally, an embedding is expected to have been stable from the time of generation of the first A2 Stratigraphic Volume Unit that surrounds it. However, it may also be due to later intrusion. As an empirical fact, the expert may only be able to decide that a particular embedding is not recent, i.e. has been persisting for longer than the activity that encountered it. This class can be used to document the fact of embedding generally with respect to the surrounding matter or, more specifically, with respect to a more precise position within this matter. It further allows for specifying temporal bounds for which a particular embedding has existed, as specified by the evidence.

Examples:

Τhe individual fallen slabs (E19) that were discovered (S19) during the excavation process of Room 5 (A1) of the West House in Akrotiri, Thera, were embedded (A7) in an almost vertical position (E55) within deposit (A8) on the ground floor (E53) (Fig. 10). [Μιχαηλίδου 2001, pp. 68-70].

In First Order Logic:

A7(x) ⊃ E3(x)

Properties:[AP17](#_AP17_is_found) is found by (found): [S19](#_S19_Encounter_Event) Encounter Event

[AP18](#_AP18_is_embedding) is embedding of (is embedded): [E18](#_E18_Physical_Thing) Physical Thing

A[P19](#_P19_was_intended) is embedding in (contains embedding): [A2](#_A2_Stratigraphic_Volume) Stratigraphic Volume Unit

[AP20](#_AP20_is_embedding) is embedding at (contains): [E53](#_E53_Place_1) Place

#### NEW definition

**A7 Embedding**

Subclass of:      [A8](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.17dp8vu) Stratigraphic Unit

Superclass of:

Scope Note: This class comprises instances of A8 Stratigraphic Unit partially or completely embedding one or more instances of E20 Physical Thing and at a particular position with relative stability in one or more instances of A2 Stratigraphic Volume Units. Normally, an embedding is expected to have been stable from the time of generation of the first instance of A2 Stratigraphic Volume Unit that surrounds it. However, it may also be due to later intrusion. As an empirical fact, the expert may only be able to decide that a particular embedding is not recent, i.e. has been persisting for longer than the activity that encountered it. This class can be used to document the fact of embedding generally with respect to the surrounding matter or, more specifically, with respect to a more precise position within this matter.

Examples:

Τhe individual fallen slabs (E19) that were discovered (S19) during the excavation  process of Room 5 (A1) of the West House in Akrotiri, Thera, were embedded (A7) in an almost vertical position (E55) within deposit (A8) on the ground floor (E53) (Fig. 10).  [Μιχαηλίδου 2001, pp. 68-70]

San Galgano’s sword embedded at the Hermitage of Monte Siepi, [He retired around 1170 to live as a hermit. as a symbol of peace he embedded his sword in a stone, which can still be seen today] (<https://en.wikipedia.org/wiki/Galgano_Guidotti>)

In First Order Logic:

A7(x) ⊃ A8(x)

Properties:[AP17](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.3rdcrjn) is found by (found): [S19](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.26in1rg) Encounter Event

[AP18](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.3dy6vkm) is embedding of (is embedded): [E18](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.lnxbz9) Physical Thing

[AP19](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.35nkun2) is embedding in (contains embedding): [A2](https://docs.google.com/document/d/1_A4Pj1Ji0o1YqVQOfXBBzd62g3VWIKML/edit#heading=h.1ksv4uv) Stratigraphic Volume Unit