## ISSUE 367: E13 Attribute Assignment

**DECISION**: The sig reviewed the new scope note for E13 Attribute Assignment (MD’s HW) and accepted it.

New definition reads:

### E13 Attribute Assignment

Subclass of: E7 Activity

Superclass of: E14 Condition Assessment

E15 Identifier Assignment

E16 Measurement

E17 Type Assignment

Scope note: This class comprises the actions of making assertions about one property of an object or any single relation between two items or concepts. The type of the property asserted to hold between two items or concepts can be described by the property Pxxx assigned property type.

For example, the class describes the actions of people making propositions and statements during certain scientific/scholarly procedures, e.g. the person and date when a condition statement was made, an identifier was assigned, the museum object was measured, etc. Which kinds of such assignments and statements need to be documented explicitly in structures of a schema rather than free text, depends on whether this information should be accessible by structured queries.

This class allows for the documentation of how the respective assignment came about, and whose opinion it was. Note that all instances of properties described in a knowledge base are the opinion of someone. Per default, they are the opinion of the team maintaining the knowledge base. This fact must not individually be registered for all instances of properties provided by the maintaining team, because it would result in an endless recursion of whose opinion was the description of an opinion. Therefore, the use of E13 Attribute Assignment marks the fact, that the maintaining team is in general neutral to the validity of the respective assertion, but registers someone else’s opinion and how it came about.

All properties assigned in such an action can also be seen as directly relating the respective pair of items or concepts. Multiple use of E13 Attribute Assignment may possibly lead to a collection of contradictory values. All cases of properties in this model that are also described indirectly through a subclass of E13 Attribute Assignment are characterised as "short cuts" of a path via this subclass. This redundant modelling of two alternative views is preferred because many implementations may have good reasons to model either the action of assertion or the short cut, and the relation between both alternatives can be captured by simple rules.

Examples:

§ the assessment of the current ownership of Martin Doerr’s silver cup in February 1997

Properties:

P140 assigned attribute to (was attributed by): E1 CRM Entity

P141 assigned (was assigned by): E1 CRM Entity

**DECISION**: Furthermore, the sig reviewed the proposed property Pxxx assigned property type [D: E13 Attribute Assignment, R: E55 Type] (part of the same HW) and accepted it as well. It will be assigned an identifier (one of those for properties that were deleted without having been part of an official release).

The definition of the property can be found below:

### Pxxx assigned property type

Domain: E13 Attribute Assignment

Range: E55 Type

Subproperty of: E1 CRM Entity. P2 has type: E55 Type

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

Scope note: This property associates an instance of E13 Attribute Assignment with the type of property or relation that this assignment maintains to hold between the item to which it assigns an attribute and the attribute itself. Note that the properties defined by the CIDOC CRM also constitute instances of E55 Type themselves. The direction of the assigned property type is understood to be from the attributed item (the range of property P140 assigned attribute to) to the attribute item (the range of the property P141 assigned ). More than one property type may be assigned to hold between two items.

Examples:

§ February 1997 Current Ownership Assessment of Martin Doerr’s silver cup (E13) assigned property type P52 has former or current owner (is former or current keeper of) (E55)

§ 01 June 1997 Identifier Assignment of the silver cup donated by Martin Doerr (E15) assigned property type P48 has preferred identifier (is preferred identifier of) (E55)

In First Order Logic:

 Pxxx(x,y) ⊃ E13(x)

 Pxxx(x,y) ⊃ E55(y)