

# **Definition of Art and Architectural Argumentation Ontology Version 2.0**

Version: 2.0

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# Introduction

## Scope

This document represents the formal specification for an unofficial formal extension of the CIDOC CRM designed for application in the area of art and architectural historical research. The scope of this extension is to support art and architectural research in the sense of the study of primary and secondary documents for the derivation, manually and programmatically, of historically contextual facts that can be used to support reflection and structured argumentation. The core expressivity that this extension adds is the ability to accurately express historically bound, contextual social facts relative to the agents holding those beliefs and the temporal period for which those beliefs were valid. The extension enables this expressivity by introducing the notions of institutional fact and speech act as core modelling concepts. Institutional facts are collective beliefs about the world held by groups for a period of time. Such collective beliefs, while subjectively grounded, are epistemically objective for the community over which they hold sway. Introducing the notion of institutional fact allows for a specialization of the core CRM to be able to express these social realities (expressed in simple, aoristic binary properties in the core CRM) in their full social complexity as temporally and socially bound beliefs. The concomitant core notion introduced in this extension is the idea of Speech Act in the Austinian and Searlean sense. A speech act is a kind of intentional event (E7 Activity of CRM base) in which agents purposefully apply a rule and perform a set practice in order to bring about a new social state or institutional fact. Introducing the notion of speech act provides both a high-level ontological category and set of relations for describing the kinds of events which are the cause of institutional facts as well as providing a starting point for the analysis of the non-truth propositional use of information objects. In speech acts, information objects (e.g. phrases and formulae) are deployed not to convey states of the world but to generate states of the world. The subject of historical investigation is not simply the bare facts available to an empirical analysis of the physical world but involves an investigation of the social activities which generated contexts of understanding and belief that may differ significantly across times and peoples. Materializing the social facts implicit in CRM base as explicit institutional facts gives them a richer ontological representation and offers a consistent epistemological approach to their study by recognizing social, negotiated facts as objective realities in themselves and treating them as first order entities of study. This involves a departure from the aims of CRM base which is guided by an information integration functionality which favours the representation of the latest state of knowledge in a presentist perspective. In the study of the history of art and architecture it is in no small part the different non-coinciding facts held or supported by different actors over different times which are of interest. The materialization of institutional facts supports the information management functionality which guides this informal extension of the CIDOC CRM and which aims to support historians in representing the positive knowledge they can gather from primary and secondary sources of evidence of both past simple and institutional facts for the purposes of proposing hypotheses and analyses of texts, authors, periods, works and so on. In this regard, AAAo also provides an initial limited set of classes for describing traditional and digital methods of deriving facts from texts, in order to support the linking of contemporary research processes as provenance nodes for the different data points of simple and institutional facts which they generate in the course of their research.

## Examples Used

With this in mind, examples have been chosen which potentially support a variety of social facts. Some of these facts, i.e., those held by one group of people at some time or other, may directly contradict another, i.e., that held by a different group of people at some potentially different time. Most of the examples have been reused across different types of social fact, in order to tell more completely the history of the objects in question and the beliefs that have been held about them by specific groups of people over a given period of time. These histories can in themselves be quite complex. References are thus provided for further contextualization. These appear in brackets following the examples, like so:

- The Ownership Status (ZE8) of the G'psgolox totem pole (E22) as 'has current owner' the Haisla people (E74) from 1872 - 2012 holds for the Haisla people (E74) and as 'has current owner' the Swedish National Museum of Ethnography (E74) from 1929 - 2006 holds for the Swedish Polity. ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))

# Compatibility and Nomenclature

This unofficial extension of the CIDOC CRM is formulated in relation to the following official extensions:

- CIDOC CRM v.7.1.3
- CIDOC CRM Dig v.4.0
- CRMtex v.1.0
- LRM v.1.0

The specification consists of a set of declarations for formalized classes and properties that extend the CIDOC CRM and the above official extensions.

Adopting the conventions of the CIDOC CRM each class and property have been given an identifier in addition to their names. The naming convention adopted for this extension is:

ZE = class

ZP = property

The choice of these names was arbitrary, making a conceptual connection with the official CRM representation while clearly distinguishing the new classes and properties from those of either CRM base or its official extensions.

## Namespace

<https://ontology.swissartresearch.net/aaao>

## Maintenance and Archiving

AAAO is an actively maintained ontology. It is our aim to develop publicly and participatively, learning from and engaging with the scholarly community that adopts it. Towards this end we maintain the ontology with the following processes and relative tools.

### *Ontology Development*

We adopt the OntoMe tool developed by LARHRA to manage the ontology and produce editions. This ensures a consistent management of the ontology and provides a public space to engage in revisions.

The maintenance space for the ontology can be found here: <https://ontome.net/project/69>

Please note, at time of publishing, OntoME is not capable of producing complete, provenanced RDF serializations, so please only use the official RDF for this standard stored on our github. See below.

### *Issue Management and Revision Storage*

We adopt github as a platform for inviting and managing issues related to the ontology as well as providing an active place to be able to access the latest edition of the ontology, its specification and relevant documentation.

The address for the github repository is: <https://github.com/swiss-art-research-net/aaao>

## Acknowledgements

The initiative for creating, developing and maintaining this ontology is made possible by important on-going funding and institutional commitment, which is gratefully acknowledged here.

### *Funding Support*

- The development of the initial version (v0.9) of AAAO was initiated and generously funded by ETH Zurich, Chair of the History and Theory of Architecture, Prof. Maarten Delbeke.

- The continued development and enrichment of the latest version (v1.5) has been generously funded as part of the Open Research Data (ORD) initiative by swissuniversities.

### *Collaborations*

Collaborations with the following projects provided important feedback and input for the testing and further elaboration of the standard:

- the Releven: Re-evaluating the Eleventh Century project
- the Globalise project

### *Institutional Support*

The continuous maintenance and promotion of AAAo is made possible by the initial commitment of its partners to maintain the ontology and promote its understanding and adoption.

- Swiss Art Research Infrastructure - University of Zurich
- Takin.solutions

## **Status**

Published version

**Art and Architectural Argumentation Ontology  
Version 2.0 class hierarchy, aligned with portions  
from the CRMdig version 4.0, CIDOC CRM version  
7.1.3, LRMoo 1.0, CRMtex version 2.0 and the CIDOC  
CRM class hierarchies**

This class hierarchy lists:

- all classes declared in Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CIDOC CRM version 7.1.3 that are declared as superclasses of classes declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CRMdig version 4.0 version 4.0 unstable that are declared as superclasses of classes declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in LRMoo 1.0 version 1.0 that are declared as superclasses of classes declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CRMtex version 2.0 version 2.0 that are declared as superclasses of classes declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CIDOC CRM version 7.1.3 that are either domain or range for a property declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CRMdig version 4.0 version 4.0 unstable that are either domain or range for a property declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in LRMoo 1.0 version 1.0 that are either domain or range for a property declared in the Art and Architectural Argumentation Ontology Version 2.0
- all classes declared in CRMtex version 2.0 version 2.0 that are either domain or range for a property declared in the Art and Architectural Argumentation Ontology Version 2.0

Table 1: List of classes in class hierarchy.

|      |            |                 |        |       |          |                            |
|------|------------|-----------------|--------|-------|----------|----------------------------|
| E1   | CRM Entity |                 |        |       |          |                            |
| E2   | -          | Temporal Entity |        |       |          |                            |
| E4   | -          | -               | Period |       |          |                            |
| E5   | -          | -               | -      | Event |          |                            |
| E7   | -          | -               | -      | -     | Activity |                            |
| E11  | -          | -               | -      | -     | -        | Modification               |
| E12  | -          | -               | -      | -     | -        | Production                 |
| ZE46 | -          | -               | -      | -     | -        | Promissory Agreement Event |
| D7   | -          | -               | -      | -     | -        | Digital Machine Event      |
| ZE17 | -          | -               | -      | -     | -        | Digital Reading            |
| E65  | -          | -               | -      | -     | -        | Creation                   |
| F28  | -          | -               | -      | -     | -        | Expression Creation        |
| ZE46 | -          | -               | -      | -     | -        | Promissory Agreement Event |
| D7   | -          | -               | -      | -     | -        | Digital Machine Event      |

|      |   |   |   |   |   |   |   |                                 |
|------|---|---|---|---|---|---|---|---------------------------------|
| ZE17 | - | - | - | - | - | - | - | Digital Reading                 |
| E13  | - | - | - | - | - | - | - | Attribute Assignment            |
| ZE19 | - | - | - | - | - | - | - | Naming                          |
| ZE53 | - | - | - | - | - | - | - | Symbolic Act                    |
| ZE52 | - | - | - | - | - | - | - | Transformative Symbolic Act     |
| ZE13 | - | - | - | - | - | - | - | Speech Act                      |
| ZE17 | - | - | - | - | - | - | - | Digital Reading                 |
| ZE18 | - | - | - | - | - | - | - | Critical Reading                |
| ZE26 | - | - | - | - | - | - | - | Dating Declaration              |
| ZE19 | - | - | - | - | - | - | - | Naming                          |
| ZE21 | - | - | - | - | - | - | - | Decl. Transfer of Custody       |
| ZE22 | - | - | - | - | - | - | - | Declarative Joining             |
| ZE23 | - | - | - | - | - | - | - | Declarative Leaving             |
| ZE33 | - | - | - | - | - | - | - | Declarative Formation           |
| ZE34 | - | - | - | - | - | - | - | Declarative Dissolution         |
| ZE46 | - | - | - | - | - | - | - | Promissory Agreement Event      |
| ZE27 | - | - | - | - | - | - | - | Decl. of Obligation             |
| ZE29 | - | - | - | - | - | - | - | Transfer of Property Right      |
| ZE20 | - | - | - | - | - | - | - | Decl. Acquisition               |
| ZE21 | - | - | - | - | - | - | - | Decl. Trans. Custody            |
| E8   | - | - | - | - | - | - | - | Acquisition                     |
| ZE20 | - | - | - | - | - | - | - | Declarative Acquisition         |
| E10  | - | - | - | - | - | - | - | Transfer of Custody             |
| ZE21 | - | - | - | - | - | - | - | Declarative Transfer of Custody |
| E66  | - | - | - | - | - | - | - | Formation                       |
| ZE33 | - | - | - | - | - | - | - | Declarative Formation           |
| E68  | - | - | - | - | - | - | - | Dissolution                     |
| ZE34 | - | - | - | - | - | - | - | Declarative Dissolution         |
| E85  | - | - | - | - | - | - | - | Joining                         |
| ZE22 | - | - | - | - | - | - | - | Declarative Joining             |
| E86  | - | - | - | - | - | - | - | Leaving                         |
| ZE23 | - | - | - | - | - | - | - | Declarative Leaving             |
| D7   | - | - | - | - | - | - | - | Digital Machine Event           |
| ZE17 | - | - | - | - | - | - | - | Digital Reading                 |
| TX5  | - | - | - | - | - | - | - | Text Recognition                |
| ZE17 | - | - | - | - | - | - | - | Digital Reading                 |
| II   | - | - | - | - | - | - | - | Argumentation                   |
| ZE18 | - | - | - | - | - | - | - | Critical Reading                |
| ZE26 | - | - | - | - | - | - | - | Dating Declaration              |
| ZE38 | - | - | - | - | - | - | - | Population Existence            |
| ZE1  | - | - | - | - | - | - | - | Institutional Fact              |
| ZE2  | - | - | - | - | - | - | - | Appellative Status              |
| ZE3  | - | - | - | - | - | - | - | Contact Point Status            |
| ZE4  | - | - | - | - | - | - | - | Classificatory Status           |
| ZE5  | - | - | - | - | - | - | - | Function Status                 |
| ZE6  | - | - | - | - | - | - | - | Social Status                   |
| ZE50 | - | - | - | - | - | - | - | Authority Status                |
| ZE55 | - | - | - | - | - | - | - | Social Relation Status          |
| ZE10 | - | - | - | - | - | - | - | Family Status                   |
| ZE11 | - | - | - | - | - | - | - | Membership Status               |
| ZE12 | - | - | - | - | - | - | - | Referential Status              |
| ZE14 | - | - | - | - | - | - | - | Similarity Status               |
| ZE15 | - | - | - | - | - | - | - | Set Status                      |
| ZE25 | - | - | - | - | - | - | - | Dating Status                   |
| ZE30 | - | - | - | - | - | - | - | Property Right Status           |

|      |   |                 |   |   |                          |
|------|---|-----------------|---|---|--------------------------|
| ZE7  | - | -               | - | - | Custodial Status         |
| ZE8  | - | -               | - | - | Ownership Status         |
| ZE45 | - | -               | - | - | Promissory Status        |
| ZE28 | - | -               | - | - | Obligation Status        |
| ZE35 | - | -               | - | - | Locative Status          |
| ZE9  | - | -               | - | - | Residential Status       |
| ZE43 | - | -               | - | - | Physical Locative Status |
| ZE44 | - | -               | - | - | Topographical Status     |
| ZE49 | - | -               | - | - | Text Sequential Status   |
| ZE60 | - | -               | - | - | Evental Locative Status  |
| E77  | - | Persistent Item |   |   |                          |
| ZE36 | - | -               | - | - | Persons                  |
| E39  | - | -               | - | - | Actor                    |
| ZE37 | - | -               | - | - | Population               |
| ZE39 | - | -               | - | - | Polity                   |
| E70  | - | -               | - | - | Thing                    |
| E72  | - | -               | - | - | Legal Object             |
| E18  | - | -               | - | - | Physical Thing           |
| ZE37 | - | -               | - | - | Population               |
| E71  | - | -               | - | - | Human-Made Thing         |
| E28  | - | -               | - | - | Conceptual Object        |
| E89  | - | -               | - | - | Propositional Object     |
| E73  | - | -               | - | - | Information Object       |
| F2   | - | -               | - | - | Expression               |
| ZE59 | - | -               | - | - | Plan                     |
| E29  | - | -               | - | - | Design or Procedure      |
| ZE59 | - | -               | - | - | Plan                     |
| E90  | - | -               | - | - | Symbolic Object          |
| E73  | - | -               | - | - | Information Object       |
| F2   | - | -               | - | - | Expression               |
| ZE59 | - | -               | - | - | Plan                     |
| E29  | - | -               | - | - | Design or Procedure      |
| ZE59 | - | -               | - | - | Plan                     |
| ZE24 | - | -               | - | - | Notional Set             |

## List of external classes used in Art and Architectural Argumentation Ontology Version 2.0

Table 2: List of external classes grouped by model and ordered by model (exception: CRMbase always goes first) and then by class identifier.

| Class identifier | Class name           | Model     | Version |
|------------------|----------------------|-----------|---------|
| E1               | CRM Entity           | CIDOC CRM | 7.1.3   |
| E2               | Temporal Entity      | CIDOC CRM | 7.1.3   |
| E4               | Period               | CIDOC CRM | 7.1.3   |
| E5               | Event                | CIDOC CRM | 7.1.3   |
| E7               | Activity             | CIDOC CRM | 7.1.3   |
| E8               | Acquisition          | CIDOC CRM | 7.1.3   |
| E10              | Transfer of Custody  | CIDOC CRM | 7.1.3   |
| E13              | Attribute Assignment | CIDOC CRM | 7.1.3   |
| E18              | Physical Thing       | CIDOC CRM | 7.1.3   |
| E21              | Person               | CIDOC CRM | 7.1.3   |
| E28              | Conceptual Object    | CIDOC CRM | 7.1.3   |



|     |                       |  |              |
|-----|-----------------------|--|--------------|
| E29 | Design or Procedure   | CIDOC CRM  | 7.1.3        |
| E39 | Actor                 | CIDOC CRM  | 7.1.3        |
| E41 | Appellation           | CIDOC CRM  | 7.1.3        |
| E42 | Identifier            | CIDOC CRM  | 7.1.3        |
| E53 | Place                 | CIDOC CRM  | 7.1.3        |
| E54 | Dimension             | CIDOC CRM  | 7.1.3        |
| E55 | Type                  | CIDOC CRM  | 7.1.3        |
| E66 | Formation             | CIDOC CRM  | 7.1.3        |
| E68 | Dissolution           | CIDOC CRM  | 7.1.3        |
| E72 | Legal Object          | CIDOC CRM  | 7.1.3        |
| E73 | Information Object    | CIDOC CRM  | 7.1.3        |
| E74 | Group                 | CIDOC CRM  | 7.1.3        |
| E77 | Persistent Item       | CIDOC CRM  | 7.1.3        |
| E85 | Joining               | CIDOC CRM  | 7.1.3        |
| E86 | Leaving               | CIDOC CRM  | 7.1.3        |
| E89 | Propositional Object  | CIDOC CRM  | 7.1.3        |
| D7  | Digital Machine Event | CRMdig: An Extension of CIDOC CRM to support provenance metadata | 4.0 unstable |
| F2  | Expression            | LRMoo: Library Reference Model object-oriented                   | 1.0          |
| F28 | Expression Creation   | LRMoo: Library Reference Model object-oriented                   | 1.0          |
| I1  | Argumentation         | CRMinf: An Extension of CIDOC-CRM to support argumentation       | 1.0          |
| TX4 | Writing Field         | CRMtex: An Extension of CIDOC CRM to Model Textual Entities      | 2.0          |
| TX5 | Text Recognition      | CRMtex: An Extension of CIDOC CRM to Model Textual Entities      | 2.0          |

# Art and Architectural Argumentation Ontology

## Version 2.0 property hierarchy, aligned with portions from the CRMdig version 4.0, CIDOC CRM version 7.1.3, LRMoo 1.0, CRMtex version 2.0 and the CIDOC CRM property hierarchies

This property hierarchy lists:

- all properties declared in Art and Architectural Argumentation Ontology Version 2.0
- all properties declared in CIDOC CRM version 7.1.3 that are declared as superproperties of properties declared in the Art and Architectural Argumentation Ontology Version 2.0
- all properties declared in CRMdig version 4.0 version 4.0 unstable that are declared as superproperties of properties declared in the Art and Architectural Argumentation Ontology Version 2.0
- all properties declared in LRMoo 1.0 version 1.0 that are declared as superproperties of properties declared in the Art and Architectural Argumentation Ontology Version 2.0
- all properties declared in CRMtex version 2.0 version 2.0 that are declared as superproperties of properties declared in the Art and Architectural Argumentation Ontology Version 2.0

*Table 3: Property Hierarchy*

| Prop. Id | Property Name  | Entity – Domain                 | Entity - Range         |
|----------|--|---------------------------------|------------------------|
| P11      | had participant (participated in)                                      | E5 Event                        | E39 Actor              |
| ZP79     | - had population (was population of)                                   | ZE38 Population Existence       | ZE37 Population        |
| ZP117    | - generated promise to (was promisee in)                               | ZE46 Promissory Agreement Event | ZE36 Persons           |
| P12      | occurred in the presence of (was present at)                           | E5 Event                        | E77 Persistent Item    |
| ZP121    | - involved (was involved in)   | E5 Event                        | ZE36 Persons           |
| P14      | carried out by (performed)   | E7 Activity                     | E39 Actor              |
| ZP61     | - transferred property right to (acquired property right through)      | ZE29 Transfer of Property Right | E39 Actor              |
| ZP62     | - transferred property right from (surrendered property right through) | ZE29 Transfer of Property Right | E39 Actor              |
| ZP118    | - generated promise upon (was promisor in)                             | ZE46 Promissory Agreement Event | E39 Actor              |
| ZP67     | -- generated obligation upon (had obligation generated upon by)        | ZE27 Declaration of Obligation  | E39 Actor              |
| ZP68     | - generated obligation to (had obligation to generated by)             | ZE27 Declaration of Obligation  | E39 Actor              |
| P16      | used specific object (was used for)                                    | E7 Activity                     | E70 Thing              |
| ZP41     | - uttered (was uttered by)   | ZE13 Speech Act                 | E73 Information Object |
| ZP63     | - transferred property right over (had change in)                      | ZE29 Transfer of                | E72 Legal Object       |

|       |   |                                 |                          |
|-------|---|---------------------------------|--------------------------|
|       | property right through)   | Property Right                  |                          |
| P33   | used specific technique (was used by)                               | E7 Activity                     | E29 Design or Procedure  |
| ZP40  | - performed (was performed by)                                      | ZE53 Symbolic Act               | E29 Design or Procedure  |
| R17   | created (was created by)  | F28 Expression Creation         | F2 Expression            |
| ZP91  | - generated promise of (is promise generated by)                    | ZE46 Promissory Agreement Event | ZE59 Plan                |
| ZP1   | has intentional subject (is intentional subject of)                 | ZE1 Institutional Fact          | E1 CRM Entity            |
| ZP5   | - has appellative subject (is appellative subject of)               | ZE2 Appellative Status          | E1 CRM Entity            |
| ZP8   | - - has contact point subject (is contact point subject of)         | ZE3 Contact Point Status        | E39 Actor                |
| ZP11  | - has classificatory subject (is classificatory subject of)         | ZE4 Classificatory Status       | E1 CRM Entity            |
| ZP14  | - - has functional subject (is functional subject of)               | ZE5 Function Status             | E1 CRM Entity            |
| ZP17  | - - has social status subject (is social status subject of)         | ZE6 Social Status               | E39 Actor                |
| ZP96  | - - - has authority status subject (is authority status subject of) | ZE50 Authority Status           | E39 Actor                |
| ZP20  | - has custodial subject (is custodial subject of)                   | ZE7 Custodial Status            | E18 Physical Thing       |
| ZP23  | - has ownership subject (is ownership subject of)                   | ZE8 Ownership Status            | E18 Physical Thing       |
| ZP26  | - has residence subject (is residence subject of)                   | ZE9 Residential Status          | E39 Actor                |
| ZP32  | - has membership subject (is membership subject of)                 | ZE11 Membership Status          | E39 Actor                |
| ZP35  | - has referential subject (is referential subject of)               | ZE12 Referential Status         | E89 Propositional Object |
| ZP43  | - has similarity subject (is similarity subject of)                 | ZE14 Similarity Status          | E1 CRM Entity            |
| ZP47  | - has set belonging subject (is set belonging subject of)           | ZE15 Set Status                 | E1 CRM Entity            |
| ZP55  | - has dating subject (is dating subject of)                         | ZE25 Dating Status              | E4 Period                |
| ZP64  | - has property right subject (is property right subject of)         | ZE30 Property Right Status      | E72 Legal Object         |
| ZP83  | - has physical locative subject (is physical locative subject of)   | ZE43 Physical Locative Status   | E18 Physical Thing       |
| ZP85  | - has topographical subject (is topographical subject of)           | ZE44 Topographical Status       | E53 Place                |
| ZP89  | - has promissory subject (is promissory subject of)                 | ZE45 Promissory Status          | ZE59 Plan                |
| ZP57  | - - has obligation subject (is obligation subject of)               | ZE28 Obligation Status          | E54 Dimension            |
| ZP93  | - has text sequence subject (is text sequence subject ascribed by)  | ZE49 Text Sequence Status       | TX4 Writing Field        |
| ZP105 | - has social relation subject (is social relation subject of)       | ZE55 Social Relation Status     | E39 Actor                |
| ZP29  | - - has familial subject (is familial subject of)                   | ZE10 Family Status              | E21 Person               |

|       |   |                              |                   |
|-------|---|------------------------------|-------------------|
| ZP120 | - has event location subject (is event location subject of)                 | ZE60 Evental Locative Status | E5 Event          |
| ZP2   | ascribes intentional target (is intentional target ascribed by)             | ZE1 Institutional Fact       | E1 CRM Entity     |
| ZP6   | - ascribes appellation (is appellation ascribed by)                         | ZE2 Appellative Status       | E41 Appellation   |
| ZP9   | - - ascribes contact point (is contact point ascribed by)                   | ZE3 Contact Point Status     | E42 Identifier    |
| ZP12  | - ascribes classification (is classification ascribed by)                   | ZE4 Classificatory Status    | E55 Type          |
| ZP15  | - - ascribes function (is function ascribed by)                             | ZE5 Function Status          | E55 Type          |
| ZP18  | - - ascribes social status (is social status ascribed by)                   | ZE6 Social Status            | E55 Type          |
| ZP97  | - - - ascribes authority status (is authority status ascribed by)           | ZE50 Authority Status        | E55 Type          |
| ZP21  | - ascribes custodian (is custodian ascribed by)                             | ZE7 Custodial Status         | E39 Actor         |
| ZP24  | - ascribes owner (is owners ascribed by)                                    | ZE8 Ownership Status         | E39 Actor         |
| ZP33  | - ascribes group (is group ascribed by)                                     | ZE11 Membership Status       | E74 Group         |
| ZP36  | - ascribes referent (is referent ascribed by)                               | ZE12 Referential Status      | E1 CRM Entity     |
| ZP44  | - ascribes similarity target (is similarity target ascribed by)             | ZE14 Similarity Status       | E1 CRM Entity     |
| ZP48  | - ascribes set (is set ascribed by)   | ZE15 Set Status              | ZE24 Notional Set |
| ZP54  | - ascribes relative date (is relative date ascribed by)                     | ZE25 Dating Status           | E4 Period         |
| ZP65  | - ascribes property right holder (is property right holder ascribed by)     | ZE30 Property Right Status   | E39 Actor         |
| ZP77  | - ascribes place (is place ascribed by)                                     | ZE35 Locative Status         | E53 Place         |
| ZP27  | - - ascribes residence place (is residence place ascribed by)               | ZE9 Residential Status       | E53 Place         |
| ZP86  | - ascribes promisee (is promisee ascribed by)                               | ZE45 Promissory Status       | ZE36 Persons      |
| ZP60  | - - ascribes debtee (is debtee ascribed by)                                 | ZE28 Obligation Status       | E39 Actor         |
| ZP87  | - ascribes promisor (is promisor ascribed by)                               | ZE45 Promissory Status       | E39 Actor         |
| ZP58  | - - ascribes debtor (is debtor ascribed by)                                 | ZE28 Obligation Status       | E39 Actor         |
| ZP94  | - ascribes text sequence correlate (is text sequence correlate ascribed by) | ZE49 Text Sequence Status    | TX4 Writing Field |
| ZP103 | - ascribes social relation target (is social relation target ascribed by)   | ZE55 Social Relation Status  | E39 Actor         |
| ZP30  | - - ascribes relative (is relative ascribed by)                             | ZE10 Family Status           | E21 Person        |
| ZP3   | ascribes intentional relation (is intentional relation ascribed by)         | ZE1 Institutional Fact       | E55 Type          |
| ZP7   | - ascribes appellative relation (is appellative relation ascribed by)       | ZE2 Appellative Status       | E55 Type          |

|       |   |                               |          |
|-------|---|-------------------------------|----------|
| ZP10  | - - ascribes contact point relation (is contact point relation ascribed by)     | ZE3 Contact Point Status      | E55 Type |
| ZP13  | - ascribes classification relation (is classification relations ascribed by)    | ZE4 Classificatory Status     | E55 Type |
| ZP16  | - - ascribes functional relation (is functional relation ascribed by)           | ZE5 Function Status           | E55 Type |
| ZP19  | - - ascribes social status relation (is social status relation ascribed by)     | ZE6 Social Status             | E55 Type |
| ZP22  | - ascribes custodial relation (is custodial relation ascribed by)               | ZE7 Custodial Status          | E55 Type |
| ZP25  | - ascribes ownership relation (is ownership relation ascribed by)               | ZE8 Ownership Status          | E55 Type |
| ZP28  | - ascribes residence relation (is residence relation ascribed by)               | ZE9 Residential Status        | E55 Type |
| ZP34  | - ascribes membership relation (is membership relation ascribed by)             | ZE11 Membership Status        | E55 Type |
| ZP37  | - ascribes referential relation (is referential relation ascribed by)           | ZE12 Referential Status       | E55 Type |
| ZP45  | - ascribes similarity relation (is similarity relation ascribed by)             | ZE14 Similarity Status        | E55 Type |
| ZP49  | - ascribes set belonging relation (is set belonging relation ascribed by)       | ZE15 Set Status               | E55 Type |
| ZP56  | - ascribes dating relation (is dating relation ascribed by)                     | ZE25 Dating Status            | E55 Type |
| ZP66  | - ascribes property right relation (is property right relation ascribed by)     | ZE30 Property Right Status    | E55 Type |
| ZP84  | - ascribes location relation (is location relation ascribed by)                 | ZE43 Physical Locative Status | E55 Type |
| ZP88  | - ascribes topographical relation (is topographical relation ascribed by)       | ZE44 Topographical Status     | E55 Type |
| ZP90  | - ascribes promissory relation (is promissory relation ascribed by)             | ZE45 Promissory Status        | E55 Type |
| ZP59  | - - ascribes obligation relation (is obligation relation ascribed by)           | ZE28 Obligation Status        | E55 Type |
| ZP95  | - ascribes text sequence relation (is text sequence relation ascribed by)       | ZE49 Text Sequence Status     | E55 Type |
| ZP104 | - ascribes social relation (is social relation ascribed by)                     | ZE55 Social Relation Status   | E55 Type |
| ZP31  | - - ascribes familial relation (is familial relation ascribed by)               | ZE10 Family Status            | E55 Type |
| ZP116 | - ascribes authority status relation (is authority status relation ascribed by) | ZE50 Authority Status         | E55 Type |
| ZP119 | - ascribes event location relation (is event location relation ascribed by)     | ZE60 Evental Locative Status  | E55 Type |
| ZP38  | ascribes referential mode (is referential mode ascribed by)                     | ZE12 Referential Status       | E55 Type |
| ZP46  | ascribes similarity mode (is similarity mode                                    | ZE14 Similarity Status        | E55 Type |

|       |  |                                  |                        |
|-------|--|----------------------------------|------------------------|
|       | ascribed by)   |                                  |                        |
| ZP51  | has former or current set member (is current or former set member of)    | ZE24 Notional Set                | E1 CRM Entity          |
| ZP69  | generated obligation of (had obligation generated of by)                 | ZE27 Declaration of Obligation   | E54 Dimension          |
| ZP70  | ascribes social status in relation to (is related to held social status) | ZE6 Social Status                | E39 Actor              |
| ZP75  | applies for context (is context for)                                     | ZE1 Institutional Fact           | E5 Event               |
| ZP76  | applies for context type (is context type for)                           | ZE1 Institutional Fact           | E55 Type               |
| ZP111 | initiated (was initiated by)   | E5 Event                         | ZE1 Institutional Fact |
| ZP42  | - intentionally initiated (was intentionally initiated by)               | ZE52 Transformative Symbolic Act | ZE1 Institutional Fact |
| ZP112 | terminated (was terminated by)   | E5 Event                         | ZE1 Institutional Fact |
| ZP52  | - intentionally terminated (was intentionally terminated by)             | ZE52 Transformative Symbolic Act | ZE1 Institutional Fact |
| ZP100 | challenged (was challenged by)   | ZE53 Symbolic Act                | ZE1 Institutional Fact |
| ZP101 | affirmed (was affirmed by)   | ZE53 Symbolic Act                | ZE1 Institutional Fact |
| ZP78  | had constituent (was constituent of)                                     | ZE37 Population                  | ZE36 Persons           |
| ZP79  | had population (was population of)                                       | ZE38 Population Existence        | ZE37 Population        |
| ZP113 | has successor status (is successor status of)                            | ZE1 Institutional Fact           | ZE1 Institutional Fact |
| ZP114 | has geographic scope (is geographic scope of)                            | ZE1 Institutional Fact           | E53 Place              |
| ZP4   | holds for (holds)  | ZE1 Institutional Fact           | E74 Group              |
| ZP115 | holds over (is held over by)   | ZE1 Institutional Fact           | ZE37 Population        |

## List of external properties used in Art and Architectural Argumentation Ontology Version 2.0

Table 4: List of external properties grouped by model and ordered by model and then by property identifier.

|     |  |  |       |
|-----|--|--|-------|
| P11 | had participant (participated in)            | CIDOC CRM                                      | 7.1.3 |
| P12 | occurred in the presence of (was present at) | CIDOC CRM                                      | 7.1.3 |
| P14 | carried out by (performed)                   | CIDOC CRM                                      | 7.1.3 |
| P16 | used specific object (was used for)          | CIDOC CRM                                      | 7.1.3 |
| P33 | used specific technique (was used by)        | CIDOC CRM                                      | 7.1.3 |
| R17 | created (was created by)                     | LRMoo: Library Reference Model object-oriented | 1.0   |

# Art and Architectural Argumentation Ontology

## Version 2.0 Class Declarations

The classes are comprehensively declared in this section using the following format:

- Class names are presented as headings in bold face, preceded by the class' unique identifier;
- The line "Subclass of:" declares the superclass of the class from which it inherits properties;
- The line "Superclass of:" is a cross-reference to the subclasses of this class;
- The line "Scope note:" contains the textual definition of the concept the class represents;
- The line "Examples:" contains a bulleted list of examples of instances of this class.
- The line "Properties:" declares the list of the class's properties;
- Each property is represented by its unique identifier, its forward name and the range class that it links to, separated by colons;
- Inherited properties are not represented;

### ZE1 Institutional Fact

**Subclass of:**

E2 Temporal Entity

**Superclass of:**

ZE2 Appellative Status  
ZE4 Classificatory Status  
ZE11 Membership Status  
ZE12 Referential Status  
ZE14 Similarity Status  
ZE15 Set Status  
ZE25 Dating Status  
ZE30 Property Right Status  
ZE35 Locative Status  
ZE45 Promissory Status  
ZE55 Social Relation Status

**Scope note:**

An instance of institutional fact is an ascription of a status function to an object by a community. The institutional fact is a concretization of a collective intentionality of the community in question towards a certain object over a certain period of time.

An instance of institutional fact is recognizable to a competent speaker/member of a symbolic community (native or learner with sufficient competence). It may not be perceived through a single sense impression but through multiple experiences and implicit reasonings (e.g.: embedded participation, behavioural observation, linguistic evidence and interview), yet typically such intermediate observations and inferences are not necessarily recorded or accessible. The historical statement is typically the assertion of the institutional fact, that such and such a fact was the case, and was in force for a given community, at some time. The epistemic veridicality of the stated /reference instance of institutional fact is always open to contestation. The means of contestation involve analyzing the sources which support it.

Instances of institutional fact come into existence based on conventions establishing the conditions under which they come into effect. Typically, an instance of institutional fact will come into existence either because of the performance of its stipulated, initiating speech act (e.g.: state of being married via marriage) or as a result of events fulfilling existing norm prescriptions in the community (e.g.: state of being uncle as result of birth of child of sister). An institutional fact comes to be through the agreed fiat of a community. It typically ceases to exist either because of a stipulated, nullifying speech act (e.g. divorce proceeding), because a community ceases to support the effective

rule supporting its declaration (e.g.: ownership of people) or force majeure (e.g.: object ascribed function/status or community perceiving status is eliminated).

**Examples:**

- The Ownership Status (ZE8) of the G'psgolox totem pole (E22) as 'has current owner' the Haisla Eagle clan (E74) from 1872 - 2012 holds for the Haisla people (E74) and as 'has current owner' the Swedish National Museum of Ethnography (E74) from 1929 - 2006 holds for the Government of the Kingdom Sweden (E74). ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The Classificatory Status (ZE4) of the "French baguette" (E55) as 'has type' "Intangible Cultural Heritage" (E55) 2022 - Present holds for UNESCO (E74) (<https://www.bbc.com/news/world-europe-63800674>)

**Properties:**

ZP1 has intentional subject (is intentional subject of): E1 CRM Entity  
ZP2 ascribes intentional target (is intentional target ascribed by): E1 CRM Entity  
ZP3 ascribes intentional relation (is intentional relation ascribed by): E55 Type  
ZP4 holds for (holds): E74 Group  
ZP75 applies for context (is context for): E5 Event  
ZP76 applies for context type (is context type for): E55 Type  
ZP113 has successor status (is successor status of): ZE1 Institutional Fact  
ZP114 has geographic scope (is geographic scope of): E53 Place  
ZP115 holds over (is held over by): ZE37 Population

## ZE2 Appellative Status

**Subclass of:**

ZE1 Institutional Fact

**Superclass of:**

ZE3 Contact Point Status

**Scope note:**

An instance of appellative status is the collective ascription of an appellation to an object by a community. The substance of the appellative status is the communal commitment to the naming of the object in question with a designated appellation, under a designated modality.

Instances of appellative status are recognizable through evidence of community members adopting the intentional stance of so-naming towards the object in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE19 Naming] initiating this status. Examples of such evidence include, several individuals so naming a thing, a witness declaring that a thing is 'so named, by us' or through documents reporting this fact.

Instances of appellative status may come to be through a formal process such as a declarative act of naming, or may have arisen through habit, fiat or be of unknown origin. Instances of appellative status may end either through a formal process, such as a new declarative act of naming, the formal stripping of a name, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Appellative Status (ZE2) of the Prince Rogers Nelson (E21) as 'is identified by' the name "The Artist Formerly Known as Prince" (E41) 1993-2000 holds for Warner Bros. (E74) ([https://en.wikipedia.org/wiki/Prince\\_\(musician\)](https://en.wikipedia.org/wiki/Prince_(musician)))
- The Appellative Status (ZE2) for the city of Mumbai (E54) as 'is identified by' "Mumbai" (E41) 1995-Present holds for the Indian Central Government (E74). (<https://www.hindustantimes.com/india/what-s-in-a-name-mumbai-20-years-on-from-bombay/story-8WiPZO0gfHD0le6WptGaGO.html>)

**Properties:**

ZP5 has appellative subject (is appellative subject of): E1 CRM Entity



ZP6 ascribes appellation (is appellation ascribed by): E41 Appellation  
ZP7 ascribes appellative relation (is appellative relation ascribed by): E55 Type

## ZE3 Contact Point Status

### Subclass of:

ZE2 Appellative Status

### Scope note:

An instance of contact status is the collective ascription of a contact point to an actor by a community. The substance of the contact status is the communal commitment to the addressing of messages to the actor in question according to a designated contact point appellation, using the implied message exchanging method.

Instances of contact status are recognizable through evidence of community members adopting the intentional stance of so-addressing messages to the actor in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: E15 Identifier Assignment] initiating this status. Examples of such evidence include, several individuals so addressing messages to an actor via this contact point appellation, a witness declaring that an actor can so be reached, or through documents reporting this fact.

Instances of contact status may come to be through a formal process such as a declarative act of identifier assignment, or may have arisen through habit, fiat or be of unknown origin. Instances of contact status may end either through a formal process, such as a new declarative act of identifier assignment, through formal assignment, or may simply fade out of use, be eliminated by fiat or for unknown reasons.

### Examples:

- The Contact Point Status (ZE3) of Charles the 3rd's mailing address "Buckingham Palace London SW1A 1AA" (E41) as 'provides access to' Charles III (E21), 6 May 2023 - Present holds for the Royal Households of the United Kingdom (E74) (<https://www.royal.uk/contact>)
- The Contact Point Status (ZE3) of "thomas.haensli@uzh.ch" (E41) as 'provides access to' Thomas Hänsli (E21), 2023 - Present holds Swiss Art Research Infrastructure (E74) (<https://www.sari.uzh.ch/de/organisation/mitarbeitende/thomas-haensli.html>)

### Properties:

ZP8 has contact point subject (is contact point subject of): E39 Actor  
ZP9 ascribes contact point (is contact point ascribed by): E42 Identifier  
ZP10 ascribes contact point relation (is contact point relation ascribed by): E55 Type

## ZE4 Classificatory Status

### Subclass of:

ZE1 Institutional Fact

### Superclass of:

ZE5 Function Status  
ZE6 Social Status

### Scope note:

An instance of classificatory status is the collective ascription of a type to an object by a community. The substance of the classificatory status is the communal commitment to the classification of the object in question according to the designated type.

Instances of classificatory status are recognizable through evidence of community members adopting the intentional stance of so-classifying the object in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.:

E17 Type Assignment] initiating this status.

Instances of classificatory status may come to be through a formal process such as a declarative act of classification [E17 Type Assignment], or may have arisen through habit, fiat or be of unknown origin. Instances of classificatory status may end either through a formal process, such as a new declarative act of classification, be officially declassified, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Classificatory Status (ZE4) of the assemblage of apatosaurus and camarasaurus remains (E19) as 'has type' Brontosaurus excelsus (E55) 1905 - Present holds for American Museum of Natural History (E74). (<https://en.wikipedia.org/wiki/Brontosaurus>)
- The Classificatory Status (ZE4) of the "French baguette" (E55) as 'has type' Intangible Cultural Heritage (E55) 2022 - Present holds for UNESCO (E74)(<https://www.bbc.com/news/world-europe-63800674>)

**Properties:**

ZP11 has classificatory subject (is classificatory subject of): E1 CRM Entity

ZP12 ascribes classification (is classification ascribed by): E55 Type

ZP13 ascribes classification relation (is classification relations ascribed by): E55 Type

## ZE5 Function Status

**Subclass of:**

ZE4 Classificatory Status

**Scope note:**

An instance of function status is the collective ascription of an operative functionality to an object by a community. The substance of the function status is the communal commitment to relating to and / or using the object in question according to a designated function.

Instances of function status are recognizable through evidence of community members adopting the intentional stance of so using or relating to the object in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: E17 Type Assignment] initiating this status.

Instances of function status may come to be through a formal process such as a declarative act of classification [E17 type Assignment], or may have arisen through habit, fiat or be of unknown origin. Instances of function status may end either through a formal process, such as a new declarative act of classification, or may simply fade out of use, be eliminated by fiat or by unknown reason.

**Examples:**

- The Function Status (ZE5) of St Joe's Cathedral (E22) as 'has type' minor basilica (E55) 1984 - Present holds for the Catholic Church (E74) ([https://en.wikipedia.org/wiki/St.\\_Joseph%27s\\_Basilica\\_\(Edmonton\)](https://en.wikipedia.org/wiki/St._Joseph%27s_Basilica_(Edmonton)))
- The Function Status (ZE5) of Sen. Mary Jane McCallum's eagle feather (E20) as 'has type' sacred object (E55) holds for members of the Cree First Nation (E74) (<https://www.cbc.ca/news/politics/tory-senator-eagle-feather-in-the-chamber-1.6061577>)

**Properties:**

ZP14 has functional subject (is functional subject of): E1 CRM Entity

ZP15 ascribes function (is function ascribed by): E55 Type

ZP16 ascribes functional relation (is functional relation ascribed by): E55 Type

## ZE6 Social Status

**Subclass of:**

ZE4 Classificatory Status

**Superclass of:**

ZE50 Authority Status

**Scope note:**

An instance of social status is the collective ascription of a social function to an actor by a community. The substance of the social status is the communal commitment to relating to and acting toward the actor in question according to the designated status.

It is important to underline that an instance of social status relates to a classification of an individual as holding a particular role or function in the community in general. This is to be distinguished from a social relation status, a binary construct that binds two different actors in a certain relation. For example, an instance of social status could be the social status of "Coach". This social status, if ascribed to an individual, holds for that person within a general social context and for a particular group and/or population. This is distinct from a social relation status that is recognized particularly between the two individuals concerned, such as "coach of", that would particularly hold between the individual who is coach and the individual who is a team member. Instances of social status are recognizable through evidence of community members adopting the intentional stance of so relating or acting toward the actor in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: E17 Type Assignment] initiating this status.

Instances of social status may be attributed to individuals or to groups of individuals. Instances of social status may also be held in relation to a third party, to whom the subject of the social status bears certain rights and/or responsibilities.

Instances of social status may come to be through a formal process such as a declarative act of assignment [E17 Type Assignment], or may have arisen through habit, fiat or be of unknown origin. Instances of social status may end either through a formal process, such as a new declarative act of classification, or may simply fade out of use, be eliminated by fiat or by unknown reason.

**Examples:**

- The Social Status (ZE6) of Tayegaza (E21) as 'has type' Enslaved Person (E55) 2 January 1494 - unknown, holds for the Crown of Aragon (E74) (Archival source: A.R.V., C.M.R., 194, fol. 1-7)
- The Social Status (ZE6) of the jurors in the O.J. Simpson murder trial (E74) as 'has type' juror (E55) in relation to O.J. Simpson (E21) 9 November 1994 - 3 October 1995 holds for the People of the State of California (E74). ([https://en.wikipedia.org/wiki/Murder\\_trial\\_of\\_O.\\_J.\\_Simpson](https://en.wikipedia.org/wiki/Murder_trial_of_O._J._Simpson))

**Properties:**

ZP17 has social status subject (is social status subject of): E39 Actor

ZP18 ascribes social status (is social status ascribed by): E55 Type

ZP19 ascribes social status relation (is social status relation ascribed by): E55 Type

ZP70 ascribes social status in relation to (is related to held social status): E39 Actor

## ZE7 Custodial Status

**Subclass of:**

ZE30 Property Right Status

**Scope note:**

An instance of custodial status is the collective ascription of a relationship of custodianship of some actor over an object by a community. The substance of the custodial status is the communal commitment to the recognition of the relationship of custodianship over the designated object by the actor in question.

Instances of custodial status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE21 Declarative Transfer of Custody] initiating this status.

Instances of classificatory status may come to be through a formal process such as a declarative transfer of custody, or may have arisen through habit, fiat or be of unknown origin. Instances of custodial status may end either through a formal process, such as a new declarative act of legal transfer of custody, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Custodial Status (ZE7) of the G'psgolox totem pole (E22) as 'has current keeper' maintained by the Swedish National Museum of Ethnography (E74) 1929 - 2006 holds for the Haisla Eagle clan (E74) ([https://en.wikipedia.org/wiki/G%27psgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%27psgolox_totem_pole))
- The Custodial Status (ZE7) of Banff National Park (E53) as 'has current keeper' maintained by Parks Canada (E74) 19 May 1911 - Present holds for the Government of Canada (E74). ([https://en.wikipedia.org/wiki/Parks\\_Canada](https://en.wikipedia.org/wiki/Parks_Canada))

**Properties:**

ZP20 has custodial subject (is custodial subject of): E18 Physical Thing  
ZP21 ascribes custodian (is custodian ascribed by): E39 Actor  
ZP22 ascribes custodial relation (is custodial relation ascribed by): E55 Type

## ZE8 Ownership Status

**Subclass of:**

ZE30 Property Right Status

**Scope note:**

An instance of ownership status is the collective ascription of a relationship of legal possession of some actor over a legal object by a community. The substance of the ownership status is the communal commitment to the recognition of the relationship of possession over the designated legal object by the actor in question.

Instances of ownership status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE20 Declarative Acquisition] initiating this status.

Instances of ownership status may come to be through a formal process such as a declarative act of taking ownership, or may have arisen through habit, fiat or be of unknown origin. Instances of ownership status may end either through a formal process, such as a new declarative act of acquisition, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Ownership Status (ZE8) of the G'psgolox totem pole (E22) as 'has current owner' the Haisla Eagle clan (E74) from 1872 - 2012 holds for the Haisla Eagle clan (E74) ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The Ownership Status (ZE8) of the G'psgolox totem pole (E22) as 'has current owner' the Swedish National Museum of Ethnography (E74) from 1929 - 2006 holds for the Government of the Kingdom Sweden (E74) ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))

**Properties:**

ZP23 has ownership subject (is ownership subject of): E18 Physical Thing  
ZP24 ascribes owner (is owners ascribed by): E39 Actor  
ZP25 ascribes ownership relation (is ownership relation ascribed by): E55 Type

## ZE9 Residential Status

**Subclass of:**

ZE35 Locative Status

**Scope note:**

An instance of residential status is the collective ascription to an actor of a formal place of residence by a community. The substance of the residential status is the communal commitment to the recognition and use of the designated place with regards to the residence of the designated actor. Instances of residential status are recognizable through evidence of community members adopting the intentional stance of so-recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status. Instances of residence status may come to be through a formal process such as a declarative act of taking up residence, or may have arisen through habit, fiat or be of unknown origin. Instances of residence status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Residential Status (ZE9) of the Prime Minister of Canada (E21) as 'has former or current residence' 24 Sussex Drive (E53) 1951 - Present holds for the Canadian Polity (E74) ([https://en.wikipedia.org/wiki/24\\_Sussex\\_Drive](https://en.wikipedia.org/wiki/24_Sussex_Drive))
- The Residential Status (ZE9) of Donald Trump (E21) as 'has former or current residence' The White House (E53) 2025 - Present holds for the U.S. Federal Government (E74) (<https://www.whitehouse.gov/>)

**Properties:**

ZP26 has residence subject (is residence subject of): E39 Actor  
 ZP27 ascribes residence place (is residence place ascribed by): E53 Place  
 ZP28 ascribes residence relation (is residence relation ascribed by): E55 Type

## ZE10 Family Status

**Subclass of:**

ZE55 Social Relation Status

**Scope note:**

An instance of family status is the collective ascription of a familial relationship between one person and another by a community. The substance of the family status is the communal recognition of the familial connection between the two actors in question. Instances of family status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated as proper to this relation, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act (e.g.: adoption) initiating this status. Instances of family status may come to be simply through birth in a certain community or may require that a formal process such as a right of passage has been undertaken. Instances of family status may end either through a formal process such as a renunciation or through death.

**Examples:**

- The Family Status (ZE10) of Trajan (E21) as 'is father of' adoptive son of Nerva (E21) 97BCE - 117BCE holds for the Roman Republic (E74) ([https://en.wikipedia.org/wiki/Adoption\\_in\\_ancient\\_Rome](https://en.wikipedia.org/wiki/Adoption_in_ancient_Rome))
- The Family Status (ZE10) of Michael Leshner (E21) as 'has husband' Michael Stark (E21) 2003 - Present holds for the Supreme Court of Canada (E74) ([https://en.wikipedia.org/wiki/Michael\\_Leshner\\_and\\_Michael\\_Stark](https://en.wikipedia.org/wiki/Michael_Leshner_and_Michael_Stark))

**Properties:**

ZP29 has familial subject (is familial subject of): E21 Person  
 ZP30 ascribes relative (is relative ascribed by): E21 Person  
 ZP31 ascribes familial relation (is familial relation ascribed by): E55 Type

# ZE11 Membership Status

## Subclass of:

ZE1 Institutional Fact

## Scope note:

An instance of membership status is the collective ascription of a membership relationship between an actor and some group by a community. The substance of the membership status is the communal recognition of the ascribed membership relation between the actor and the group in question.

Instances of membership status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated as proper to this relation, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE22 Declarative Joining] initiating this status.

Instances of membership status may come to be through a formal process such as a declarative act of declarative joining or may have arisen through habit, fiat or be of unknown origin. Instances of membership status may end either through a formal process [e.g.: ZE23 Declarative Leaving], or may simply fade out, be eliminated by fiat or for unknown reasons.

## Examples:

- The Membership Status (ZE11) of Mary Ellen Turpel-Lafond (E21) as 'is current member of the Cree First Nation (E74) 1963 - Present holds for the Turpel-Lafond family (E74). (<https://www.cbc.ca/newsinteractives/features/mary-ellen-turpel-lafond-indigenous-cree-claims>)
- The Membership Status (ZE11) of Sinéad O'Connor (E21) as "is current member" of the Catholic Church (E74) 1966 - 2018 holds for the Catholic Church (E74). ([https://en.wikipedia.org/wiki/Sin%C3%A9ad\\_O%27Connor](https://en.wikipedia.org/wiki/Sin%C3%A9ad_O%27Connor))

## Properties:

郑32 has membership subject (is membership subject of): E39 Actor

郑33 ascribes group (is group ascribed by): E74 Group

郑34 ascribes membership relation (is membership relation ascribed by): E55 Type

# ZE12 Referential Status

## Subclass of:

ZE1 Institutional Fact

## Scope note:

An instance of referential status is the collective ascription of a referential relationship between a propositional object and some entity by a community. The substance of the referential status is the communal recognition of the ascribed referential relation holding between the propositional object and the entity in question.

Instances of referential status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated as properly holding between the propositional object and the object it is taken to refer to in the manner it is meant to refer, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of referential status may come to be through a formal process such as a declarative act or may have arisen through habit, fiat or be of unknown origin. Instances of referential status may end either through a formal process, or may simply fade out, be eliminated by fiat or for unknown reasons.

## Examples:

- The Referential Status (ZE12) of the visual appearance of wearing a balaclava (E36) as 'refers to' "military identity" (E55) as "appropriated" (E55) February 1967 holds for members of the anarchist group Black Mask (E74) ([https://en.wikipedia.org/wiki/Black\\_bloc](https://en.wikipedia.org/wiki/Black_bloc))

- The Referential Status (ZE12) of 'Let's Go, Brandon' (E89) as 'refers to' Joe Biden (E21) as "anti-Joe Biden sentiment" (E55) 2 October 2021 - Present holds for members of the Republican Party (E74) (<https://apnews.com/article/lets-go-brandon-what-does-it-mean-republicans-joe-biden-ab13db212067928455a3dba07756a160>)

**Properties:**

ZP35 has referential subject (is referential subject of): E89 Propositional Object  
 ZP36 ascribes referent (is referent ascribed by): E1 CRM Entity  
 ZP37 ascribes referential relation (is referential relation ascribed by): E55 Type  
 ZP38 ascribes referential mode (is referential mode ascribed by): E55 Type

## ZE13 Speech Act

**Subclass of:**

ZE52 Transformative Symbolic Act

**Superclass of:**

ZE17 Digital Reading  
 ZE18 Critical Reading  
 ZE19 Naming  
 ZE22 Declarative Joining  
 ZE23 Declarative Leaving  
 ZE26 Dating Declaration  
 ZE29 Transfer of Property Right  
 ZE33 Declarative Formation  
 ZE34 Declarative Dissolution  
 ZE46 Promissory Agreement Event

**Scope note:**

An instance of speech act comprises an intentional activity engaged in by a set of actors to create a new institutional fact - or to nullify an existing one - that holds for a given community. In this sense, a speech act is transformative symbolic act. Speech acts are carried out by intentional actors through invoking a social rule and performing a prescribed set of actions often including the locution of set formulae of phrases by certain actors, fulfilling certain roles. Correct execution of the speech act as specified by the rule results in the existence of new institutional facts or their negation. The substance of speech act is ritual action performed by a group.  
 An instance of speech act begins when the intended ritual proceeding as specified by the rule invoked is initiated. The instance of speech act ends when the required set of actions specified for the act in question are executed or it is abandoned.

**Examples:**

- The ratification of the Republic of Ireland Act on 18 April 1949 (ZE23), by which the Republic of Ireland (E74) left the Commonwealth of Nations (E74).  
 ([https://en.wikipedia.org/wiki/The\\_Republic\\_of\\_Ireland\\_Act\\_1948](https://en.wikipedia.org/wiki/The_Republic_of_Ireland_Act_1948))
- The signing of the Louisiana Purchase in 1803 (ZE20), by which the Federal Government of the United States of America (E74) acquired the territory of Louisiana (E27).  
 ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

**Properties:**

ZP41 uttered (was uttered by): E73 Information Object

## ZE14 Similarity Status

**Subclass of:**

## ZE1 Institutional Fact

### Scope note:

An instance of similarity status is the collective ascription of a similarity relationship between any two objects by a community. The substance of the similarity status is the communal recognition of the ascribed similarity relation between the two entities in question.

Instances of similarity status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated by the kind of similarity believed to hold between the two referenced entities, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of similarity status may come to be through a formal process such as a declarative act (e.g., scholarship) or may have arisen through habit, fiat or be of unknown origin. Instances of similarity status may end either through a formal process (e.g., disproof or refutation), or may simply fade out, be eliminated by fiat or for unknown reasons.

### Examples:

- The Similarity Status (ZE14) of George Bruseker (E21) as 'shows features of his dog Stilton (E20) 2021 - Present holds for the employees of Takin.solutions (E74) ([https://www.huffpost.com/entry/people-look-like-their-dogs-study\\_n\\_5838278](https://www.huffpost.com/entry/people-look-like-their-dogs-study_n_5838278))
- The Similarity Status (ZE14) of Ed Sheehan's song "Thinking Out Loud" (E73) as 'shows features of Marvin Gaye's song "Let's Get It On" (E73) 2017 - 2023 holds for the heirs of Gaye's co-writer Ed Townsend (E74) in the mode of "copyright infringement" (E55) (<https://www.theguardian.com/music/2023/may/04/ed-sheeran-verdict-not-liable-copyright-lawsuit-marvin-gaye>)

### Properties:

ZP43 has similarity subject (is similarity subject of): E1 CRM Entity

ZP44 ascribes similarity target (is similarity target ascribed by): E1 CRM Entity

ZP45 ascribes similarity relation (is similarity relation ascribed by): E55 Type

ZP46 ascribes similarity mode (is similarity mode ascribed by): E55 Type

## ZE15 Set Status

### Subclass of:

ZE1 Institutional Fact

### Scope note:

An instance of set status is the collective ascription of some relationship of belonging between some entity and a notional set by a community. The substance of the set status is the communal recognition of the ascribed belonging between the subject entity and the set in question.

Instances of set status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated as proper to this set-belonging relation, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of set status may come to be through a formal process or may have arisen through habit, fiat or be of unknown origin. Instances of membership status may end either through a formal process, or may simply fade out, be eliminated by fiat or for unknown reasons.

### Examples:

- The Set Status (ZE15) of the Marvin Gaye's album 'Let's Get It On' (E73) as belonging to the 500 Greatest Albums of All Time (ZE24) 2020 - Present holds for Rolling Stone Magazine (E74) (<https://www.rollingstone.com/music/music-lists/best-albums-of-all-time-1062063/>)
- The Set Status (ZE15) of the Duffer Brother's 'Stranger Things' (E73) as belonging to the 50 Best TV Shows of 2022 (ZE24) 2022 - Present holds for the Guardian (E74) (<https://www.theguardian.com/tv-and-radio/2022/dec/02/the-50-best-tv-shows-of-2022>)

### Properties:



ZP47 has set belonging subject (is set belonging subject of): E1 CRM Entity  
ZP48 ascribes set (is set ascribed by): ZE24 Notional Set  
ZP49 ascribes set belonging relation (is set belonging relation ascribed by): E55 Type

## ZE17 Digital Reading

### Subclass of:

D7 Digital Machine Event  
TX5 Text Recognition  
ZE13 Speech Act

### Scope note:

An instance of digital reading is a digital processing event guided by a set of instructions or parameters which in turn returns a digital output. The digital output will consist in a set of propositions related to the 'read' input which might include things like classifications, identifications, transformations, comparisons and so on. In the context of semantic data processes, such output might consist in semantically encoded knowledge graph statements, the collection of which may be referred to as an I4 Propositional Set, which can be regarded as the 'conclusion' of the digital reading. As such, Digital reading may be regarded as a computational process guided by a parametrized hypothesis resulting in a new propositional dataset for scientific consideration. The propositional information generated by the digital reading process should be considered as provisional knowledge posited under a hypothesis. Typically propositions generated by the digital reading may become the subject of further scholarly research.

Instances of this class come to be when a process is initiated to generate new information and finish upon completion of that process or if the process is interrupted and fails to complete.

### Examples:

- HTR extraction of text on page 1r of manuscript 20-Ms-215 (E22), written by Gottfried Semper (E21), performed with Transkribus (D14), 23 February 2018 ([https://semper-edition.ch/workspace/facsimile/semper/stil\\_draft\\_whole\\_vol1\\_prolegomena/pages/20\\_Ms\\_215\\_1.xml/with/transcript](https://semper-edition.ch/workspace/facsimile/semper/stil_draft_whole_vol1_prolegomena/pages/20_Ms_215_1.xml/with/transcript)).
- The process of calculating a numerical score that captures the visual similarity status (ZE14) holding between sets of images (E36) in the holdings of the Schweizerische Nationalbibliothek (E74) and the Zentralbibliothek Zürich (E74) (<https://bso.swissartresearch.net/resource/page:exploreVisualSimilarities>)

## ZE18 Critical Reading

### Subclass of:

ZE13 Speech Act  
I1 Argumentation

### Scope note:

An instance of critical reading is a process of analysis undertaken by a scholar to derive analytical facts from a specific information resource. Critical reading engages the background knowledge of the scholar and their interpretive horizon in order to support them in actively reading the research object to derive factual, historically contextualized/contextualizing information regarding the propositional content in question and the world(s) it pertains too. This process can take as input previous scholarly documentation or outputs of digital reading events. Critical reading may result in a series of constructed arguments, serving as a foundation for the documentation and analysis of an argument regarding the text and its referents. Critical reading might also result in the observation, documentation or assertion of a social fact, such as the assertion of an appellative or classificatory status. In the latter case, the instance of ZE18 Critical Reading serves as provenance for the existence of the fact in the network.

**Examples:**

- The critical reading of the Canadian literary canon (E89) by Margret Atwood (E21) in the 1972 book *Survival: A Thematic Guide to Canadian Literature* (E89). ([https://en.wikipedia.org/wiki/Survival:\\_A\\_Thematic\\_Guide\\_to\\_Canadian\\_Literature](https://en.wikipedia.org/wiki/Survival:_A_Thematic_Guide_to_Canadian_Literature))
- The critical reading of biblical canon (E89) commissioned by King James I (E21) in 1604, now known as *The King James Bible* (E89). ([https://en.wikipedia.org/wiki/King\\_James\\_Version](https://en.wikipedia.org/wiki/King_James_Version))

## ZE19 Naming

**Subclass of:**

E13 Attribute Assignment  
ZE13 Speech Act

**Scope note:**

Instances of naming are comprised of an act which officially confers a name to some object under a specific procedure. The substance of naming is an intentional, social act.

Instances of ZE19 Naming come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

The result of the instance of naming is the coming to be of a collective acceptance of a name for some object in some mode for some time. The details of this institutional fact are documented in the resultant instance of ZE2 Appellative Status.

**Examples:**

- The re-naming of King Charles III (E21) in the Coronation of 6 May 2023 ([https://en.wikipedia.org/wiki/Coronation\\_of\\_Charles\\_III\\_and\\_Camilla](https://en.wikipedia.org/wiki/Coronation_of_Charles_III_and_Camilla))
- The self-naming of The Artist Formerly Known as Prince (E21) 1993 ([https://en.wikipedia.org/wiki/Prince\\_\(musician\)](https://en.wikipedia.org/wiki/Prince_(musician)))

## ZE20 Declarative Acquisition

**Subclass of:**

E8 Acquisition  
ZE29 Transfer of Property Right

**Scope note:**

Instances of this class comprise official acquisition events undertaken following formal procedures within a social grouping leading to formal ownership status over an object by some actor according to the participating parties. The substance of declarative acquisition is an intentional, social act.

Instances of ZE20 Declarative Acquisition come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE20 Declarative Acquisition leads to the generation of an instance of ZE8 Ownership Status, the institutional fact that thereafter mediates the social relation to this object until it has been abrogated.

**Examples:**

- The declarative acquisition of the territory of Louisiana (E27) by the United States of America (E74) in the 1803 signing of the Louisiana Purchase ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The declarative acquisition of the G'psglox totem pole (E22) by Olof Hanson (E21) with the permission granted by the Canadian Department of Indian Affairs (E74) in 1929. ([https://en.wikipedia.org/wiki/G%CA%BCpsglox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsglox_totem_pole))

## **ZE21 Declarative Transfer of Custody**

### **Subclass of:**

E10 Transfer of Custody  
ZE29 Transfer of Property Right

### **Scope note:**

Instances of this class comprise official transfer of custody events undertaken following formal procedures within a social grouping leading to formal change in the custody status over an object, ascribing it to some actor's custody, according to the participating parties. The substance of declarative transfer of custody is an intentional, social act.

Instances of ZE21 Declarative Transfer of Custody come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of declarative transfer of custody leads to the generation of an instance of ZE7 Custodial Status, the institutional fact that thereafter mediates the social relation to this object until it has been abrogated.

### **Examples:**

- The declarative transfer of custody made by the Swedish National Museum (E74) upon the return of the G'psgolox totem pole to the Haisla people (E74) in 2006. ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The declarative transfer of custody of Banff National Park (E27) to Parks Canada (E74) upon its creation in 1911. ([https://en.wikipedia.org/wiki/Parks\\_Canada](https://en.wikipedia.org/wiki/Parks_Canada))

## **ZE22 Declarative Joining**

### **Subclass of:**

E85 Joining  
ZE13 Speech Act

### **Scope note:**

Instances of this class comprise official joining events undertaken following formal procedures within a social grouping leading to formal change in the membership status of an actor relative to a group for the participating parties. The substance of declarative joining is an intentional, social act.

Instances of ZE22 Declarative Joining come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE22 Declarative Joining leads to the generation of an instance of ZE11 Membership Status, the institutional fact that thereafter mediates the social relation between the group and actor in question until it has been abrogated.

### **Examples:**

- The declarative joining of the Church of Scientology (E74) by Tom Cruise (E21) in 1986. ([https://en.wikipedia.org/wiki/Tom\\_Cruise#Scientology\\_advocacy](https://en.wikipedia.org/wiki/Tom_Cruise#Scientology_advocacy))
- The declarative joining of the LA Galaxy (E74) by David Beckham (E21), 11 July 2007. ([https://en.wikipedia.org/wiki/David\\_Beckham#LA\\_Galaxy](https://en.wikipedia.org/wiki/David_Beckham#LA_Galaxy))

## ZE23 Declarative Leaving

### Subclass of:

E86 Leaving  
ZE13 Speech Act

### Scope note:

Instances of this class comprise official leaving events undertaken following formal procedures within a social grouping leading to formal change in the membership status of an actor relative to a group for the participating parties. The substance of declarative leaving is an intentional, social act. Instances of ZE23 Declarative Leaving come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE23 Declarative Leaving leads to the termination of an instance of ZE11 Membership Status, the institutional fact that thereafter no longer mediates the social relation between the group and actor in question.

### Examples:

- The declarative leaving of the Commonwealth of Nations (E74) by the Republic of Ireland (E74) on 18 April 1949 through the ratification of the Republic of Ireland Act ([https://en.wikipedia.org/wiki/The\\_Republic\\_of\\_Ireland\\_Act\\_1948](https://en.wikipedia.org/wiki/The_Republic_of_Ireland_Act_1948))
- The declarative leaving of the Catholic Church (E74) by Sinead O'Connor (E21) in 2018 through renunciation. (<https://www.irishpost.com/entertainment/sinead-oconnor-renounces-catholicism-converts-islam-161261>)

## ZE24 Notional Set

### Subclass of:

E28 Conceptual Object

### Scope note:

Instances of this class comprise notional sets of objects which have been grouped together for one reason or another. The substance of notional set is ideational.

A notional set comes to be when it is asserted or otherwise declared. It gains or loses members according to the particular rules guiding its maintenance. Typically instances of ZE24 Notional Set serve a functional purpose such as the grouping of some objects according to an ad hoc, context particular, or a context categorical criterion.

See also `Linked.Art:Set`

### Examples:

- Rolling Stone's The 500 Greatest Albums of All Time (<https://www.rollingstone.com/music/music-lists/best-albums-of-all-time-1062063/>)
- The Guardian's 50 Best TV Shows of 2022 (<https://www.theguardian.com/tv-and-radio/2022/dec/02/the-50-best-tv-shows-of-2022>)

### Properties:

ZP51 has former or current set member (is current or former set member of): E1 CRM Entity

## ZE25 Dating Status

### Subclass of:

ZE1 Institutional Fact

**Scope note:**

An instance of dating status is the collective ascription of a relative dating to an event (such as the production or the use of an object or the despotional moment of an archaeological context) by its association to an established and named historical or archaeological period or event. The substance of the dating status is the communal recognition of the ascribed chronology as holding true for the dated event and potential, relative object(s) it involves.

Instances of dating status are typically recorded in the archaeological / archival record.

Instances of dating status are most typically initiated by a formal process such as a scholarly dating attribution (ZE26 Dating Declaration). Instances of dating status may be terminated either through a formal process (official disproof) or be replaced by another dating declaration holding an updated belief and supported by further evidence.

**Examples:**

- The Dating Status (ZE25) of the first purposeful settlement of Crete (E7) as 'falls within' the pre-Neolithic period (E4) 2018 - Present holds for members of the Archaeological Society of Athens (E74). (Day, Jo (2018), "Crete, Archaeology of", Encyclopaedia of Global Archaeology, Cham: Springer International Publishing, pp. 1–18)
- The Dating Status (ZE25) of the existence of Brontosaurus excelsus (E4) as 'falls within' late Jurassic period (E4) 2007 - Present holds for members of the Palaeontological Association (E74). (Foster, J. (2007). Jurassic West: The Dinosaurs of the Morrison Formation and Their World. Indiana University Press.)

**Properties:**

ZP54 ascribes relative date (is relative date ascribed by): E4 Period

ZP55 has dating subject (is dating subject of): E4 Period

ZP56 ascribes dating relation (is dating relation ascribed by): E55 Type

## ZE26 Dating Declaration

**Subclass of:**

I1 Argumentation

ZE13 Speech Act

**Scope note:**

Instances of dating declaration are scholarly acts which officially assign a historical or archaeological period to an event of interest (paradigmatic cases being the production or the time of use or termination of existence of some object or physical thing) of which, typically, a material artefact is the material remain.

The result of the instance of dating declaration is the coming to be of a collective acceptance of the dating status for some object or some physical thing at some time by some group of people. This status may come to be contested or replaced by some new status, either through reasoned argumentation, assertion or even forgetting.

The details of this institutional fact are documented in the resultant instance of ZE25 Dating Status.

**Examples:**

- The dating declaration of the first purposeful settlement of Crete (E7) within the Neolithic period (E4). (<https://en.wikipedia.org/wiki/Crete>)
- The dating declaration of the existence of Brontosaurus excelsus (E4) within the late Jurassic period (E4). (<https://en.wikipedia.org/wiki/Brontosaurus>)

## ZE27 Declaration of Obligation

**Subclass of:**

## ZE46 Promissory Agreement Event

### Scope note:

Instances of declaration of obligation are characterized by formal acts of recognition of a state of obligation between one party and another party for a certain measurable amount of goods.

Instances of this class comprise official acts undertaken following formal procedures within a social grouping leading to formal recognition of an obligation status between two actors. The substance of declaration of obligation is an intentional, social act.

Instances of ZE27 Declaration of Obligation come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE27 Declaration of Obligation leads to the generation of an instance of ZE28 Obligation Status, the institutional fact that thereafter holds between two actors until it has been abrogated.

### Examples:

- The declaration of obligation made from the United States of America (E74) to the Republic of France (E74) for the amount of 15 million USD (E54) as declared in the 1803 signing of the Louisiana Purchase ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The declaration of obligation made from Micheal Jackson (E21) to Associated TeleVision (E74) for the amount of 47.5 million USD (E54) as declared in the purchase of the Beatles back catalogue. (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

### Properties:

ZP67 generated obligation upon (had obligation generated upon by): E39 Actor

ZP68 generated obligation to (had obligation to generated by): E39 Actor

ZP69 generated obligation of (had obligation generated of by): E54 Dimension

## ZE28 Obligation Status

### Subclass of:

ZE45 Promissory Status

### Scope note:

An instance of obligation status demarks a socially recognized state of obligation holding between two parties, wherein the first party is recognized to have the requirement to fulfil a debt to the second party for a certain measurable amount. The substance of the obligation status is the commitment from one party to another for compensation in a socially recognized form.

Instances of obligation status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE27 Declaration of Obligation) initiating this status.

Instances of obligation status may come to be through a formal process such as an act of declaring obligation [ZE27 Declaration of Obligation), or may have arisen through habit, fiat or be of unknown origin. Instances of obligation may end either through a formal process, such as an act of renunciation, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

### Examples:

- The Obligation Status (ZE28) of the Federal Government of the United States of America (E74) to the First Republic of France (E74) following the Louisiana Purchase to the amount of fifteen million USD (E54) 1803 - 1823 holds for the agreeing parties (E74) ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The Obligation Status (ZE28) of Michael Jackson (E21) to Associated TeleVision (E74) following the purchase of the Beatles back catalogue to the amount of 47.5 million USD (E54) 1984 holds for the United States Federal Government (E74). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

**Properties:**

ZP57 has obligation subject (is obligation subject of): E54 Dimension  
ZP58 ascribes debtor (is debtor ascribed by): E39 Actor  
ZP59 ascribes obligation relation (is obligation relation ascribed by): E55 Type  
ZP60 ascribes debtee (is debtee ascribed by): E39 Actor

## ZE29 Transfer of Property Right

**Subclass of:**

ZE13 Speech Act

**Superclass of:**

ZE20 Declarative Acquisition  
ZE21 Declarative Transfer of Custody

**Scope note:**

Instances of declaration of transfer of property right consist of events in which an official transfer of a property right is undertaken between two individuals with the result that a new right is assigned to the receiver and the right of the giver may be forfeited.

Instances of this class consist of events in which an official transfer of a property right is undertaken between two individuals with the result that a new right is assigned to the receiver and the right of the giver may be forfeited. The substance of transfer of property right is an intentional, social act.

Instances of ZE29 Transfer of Property Right come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE29 Transfer of Property Right leads to the generation of an instance of ZE30 Property Right Status, the institutional fact that thereafter mediates the social relation to this object until it has been abrogated.

**Examples:**

- The transfer of property right made by Michael Jackson (E21) upon the purchase of the Beatles back catalogue (E73) 14 August 1985 (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)
- The transfer of property right made by the First French Republic (E74) upon the sale of the territory of Louisiana (E27) 1803 ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

**Properties:**

ZP61 transferred property right to (acquired property right through): E39 Actor  
ZP62 transferred property right from (surrendered property right through): E39 Actor  
ZP63 transferred property right over (had change in property right through): E72 Legal Object

## ZE30 Property Right Status

**Subclass of:**

ZE1 Institutional Fact

**Superclass of:**

ZE7 Custodial Status  
ZE8 Ownership Status

**Scope note:**

Instances of property right status indicate the holding of a right over a legal object by some actor for some time.

An instance of property right status is the collective ascription of a relationship of legal right of some actor over a legal object by a community. The substance of the property right status is the communal commitment to the recognition of the right of use, right to earn income from, and right of disposal (of some sort) over the designated legal object by the actor in question.

Instances of property right status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: ZE29 Transfer of Property Right) initiating this status.

Instances of property right status may come to be through a formal process such as a declarative act of taking possession of right [ZE29 Transfer of Property Right), or may have arisen through habit, fiat or be of unknown origin. Instances of property right status may end either through a formal process, such as a new transfer or right, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Property Right Status (ZE30) exercised by the First French Republic (E74) as 'has current owner' over the Louisiana territory (E27), 1800 to 30 April 1803 held by the Federal Government of the United States of America (E74). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The Property Right Status (ZE30) exercised by Michael Jackson (E21) as 'has current owner' over the Beatles back catalogue (E73) 14 August 1985 - 25 June 2009 held by the United States Copyright Office (E74). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

**Properties:**

ZP64 has property right subject (is property right subject of): E72 Legal Object

ZP65 ascribes property right holder (is property right holder ascribed by): E39 Actor

ZP66 ascribes property right relation (is property right relation ascribed by): E55 Type

## ZE33 Declarative Formation

**Subclass of:**

E66 Formation

ZE13 Speech Act

**Scope note:**

Instances of this class comprise official group formation events undertaken following formal procedures within a social grouping leading to the formal existence of the group relative to the participating parties, whether subgroups or individual persons. The substance of declarative group formation is an intentional, social act.

Instances of ZE33 Declarative Formation come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE33 Declarative Formation leads to the generation of an instance of ZE11 Membership Status, the institutional fact that thereafter mediates the social relation between the group and actor in question until it has been abrogated.

**Examples:**

- The signing of the Vienna Circle Manifesto by R. Carnap (E21), O. Neurath (E21), F. Waismann (E21), *inter alia*, in 1929. (<https://plato.stanford.edu/entries/vienna-circle/>)
- The founding of the Black Panther Party by Bobby Seale (E21) and Huey P. Newton (E21) on 15 October 1966. ([https://en.wikipedia.org/wiki/Black\\_Panther\\_Party](https://en.wikipedia.org/wiki/Black_Panther_Party))

## ZE34 Declarative Dissolution



**Subclass of:**

E68 Dissolution  
ZE13 Speech Act

**Scope note:**

Instances of this class comprise official group dissolution events undertaken following formal procedures within a social grouping leading to the formal termination of the existence of the group relative to the participating parties, whether subgroups or individual persons. The substance of declarative group dissolution is an intentional, social act.

Instances of ZE34 Declarative Dissolution come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful completion of the act or because of its premature termination.

A successful act of ZE34 Declarative Dissolution leads to the termination of an instance of ZE11 Membership Status for each of the groups members, whether individuals or subgroups, until such a time as the group is reformed.

**Examples:**

- The official disbandment of the Beatles (E74) by J. Lennon (E21), P. McCartney (E21), G. Harrison (E21), and R. Starr (E21) on 29 December 1974. ([https://en.wikipedia.org/wiki/Break-up\\_of\\_the\\_Beatles](https://en.wikipedia.org/wiki/Break-up_of_the_Beatles))
- The public announcement of the cessation of all activities of the ETA (E74) by its leadership (E74) on 2 May 2018. ([https://en.wikipedia.org/wiki/ETA\\_\(separatist\\_group\)](https://en.wikipedia.org/wiki/ETA_(separatist_group)))

## ZE35 Locative Status

**Subclass of:**

ZE1 Institutional Fact

**Superclass of:**

ZE9 Residential Status  
ZE43 Physical Locative Status  
ZE44 Topographical Status  
ZE49 Text Sequence Status  
ZE60 Evental Locative Status

**Scope note:**

An instance of locative status is the collective ascription to an entity of a formal association to a geographic place. The substance of the locative status is the communal attribution of a defined association type between the designated entity and place. As opposed to connections created between entities and places through their passage through space and time, e.g.: the place of birth being a property of the birth event of an individual, locative statuses are created de jure rather than de facto and create a socially recognized connection between an entity and a location regardless the real or known spatiotemporal history of that object. For example, documentation may point to ambiguous evidence linking an object and a place such as the 'origin' of a person or the 'provenance' location of a physical object. In these cases, when we do not know the actual physical history of the object in question, but we do have a de jure attribution from which some knowledge may be derived, we can document and follow an instance of Locative Status for an object in relation to a geographic location.

Instances of locative status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status. Instances of locative status may come to be through a formal process such as a declarative act of such definition, or may have arisen through habit, fiat or be of unknown origin. Instances of locative status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Physical Locative Status (ZE43) of Hoa Hakananai'a and Moai Hava (E22) as 'has permanent location' Room 24 at the British Museum (E53) held by the British Museum (E74) (E74) (<https://www.britishmuseum.org/about-us/british-museum-story/contested-objects-collection/moai>)
- The Residential Status (ZE9) of Donald Trump (E21) as 'has former or current residence' The White House (E53) 2025 - Present holds for the U.S. Federal Government (E74) (<https://www.whitehouse.gov/>)

**Properties:**

ZP77 ascribes place (is place ascribed by): E53 Place

## ZE36 Persons

**Subclass of:**

E77 Persistent Item

**Superclass of:**

ZE37 Population

**Scope note:**

Instances of this class comprise sentient beings endowed, to more or less extent, with intentionality, either as individuals or collectives. Instances of Persons are first causes and ends in themselves in a philosophical sense. The substance of Persons is personhood in this sense of being endowed with intentionality and the requisite respect qua sentient being.

**Examples:**

- Rosa Parks (E21) ([https://en.wikipedia.org/wiki/Rosa\\_Parks](https://en.wikipedia.org/wiki/Rosa_Parks))
- The segment of ethnically Greek inhabitants of Venice from 1460 to 1600 CE (ZE37) (<https://www.greecewithin.com/articles/309-greek-community-venice-from-the-10th-century-until-today>)

## ZE37 Population

**Subclass of:**

E18 Physical Thing  
ZE36 Persons

**Superclass of:**

ZE39 Polity

**Scope note:**

This class comprises a defined set of persons who are considered to together form a coherent, identifiable unit according to certain characteristics such as citizenry, religious affiliation or other uniting characteristics or properties. Instances of population may be emically or etically defined. The substance of population is a collectivity of people[.]

Instances of population existence natural population come into and go out of existence through natural and social processes the particular details of which are often difficult to know or the subject of research and investigation. If a population is declaratively defined such as 'male voters between the age of 20 and 30 in Alabama in 2024 election cycle', then the existence condition is relative to the de jure declaration of their composition. An instance of population can be identified to be in existence when a suitable collective of individuals matching to its description can be identified to live and conform to those characteristics

**Examples:**

- The segment of ethnically Greek inhabitants of Venice from 1460 to 1600 CE

(<https://www.greecewithin.com/articles/309-greek-community-venice-from-the-10th-century-until-today>)

- The passengers on board the RMS Titanic, when it sunk on its maiden voyage from South Hampton to New York in April 1912 (<https://en.wikipedia.org/wiki/Titanic>)

**Properties:**

ZP78 had constituent (was constituent of): ZE36 Persons

## ZE38 Population Existence

**Subclass of:**

E5 Event

**Scope note:**

This class comprises the proper existence event of a population. Population existence consists in the temporal continuance of a specified population over a time and space.

Instances of population existence come into existence with the appearance or expression of the population and cease to exist with its dissolution. In the case of a de jure population, the duration of the population existence is a matter of declaration.

**Examples:**

- The existence of the segment of ethnically Greek inhabitants of Venice from 1460 to 1600 CE (ZE37) (<https://www.greecewithin.com/articles/309-greek-community-venice-from-the-10th-century-until-today>)
- The existence of the passengers on board the RMS Titanic (ZE37) (<https://en.wikipedia.org/wiki/Titanic>)

**Properties:**

ZP79 had population (was population of): ZE37 Population

## ZE39 Polity

**Subclass of:**

ZE37 Population

**Scope note:**

This class comprises a defined set of persons who are joined together by virtue of belonging to a shared civil society, collectively subject to the rights and responsibilities that that civil society confers. As an otherwise unorganized group, polities lack the agency required to undertake collective actions. They may however be subject to the actions of others, with the authority to organize the civil society to which the individuals belong. The substance of polity is a collectivity of people defined by their belonging to a shared civil society.

Instances of polity come into and go out of existence through natural and social processes, these may be formal (in the case, e.g., of a constitutional formation) or informal, where the particular details of the polity's formation are difficult to know or the subject of research and investigation. An instance of polity can be identified when a suitable collective of individuals matching to its description can be identified to live within the bounds of a recognized civil society.

**Examples:**

- Canadians (<https://en.wikipedia.org/wiki/Canadians>)
- Americans (<https://newlifevisa.com/canadians-vs-americans-top-10-differences/>)

## ZE43 Physical Locative Status

### Subclass of:

ZE35 Locative Status

### Scope note:

An instance of physical locative status is the collective ascription to a physical object of a formal association to a geographic place. The substance of the locative status is the communal attribution of a defined association type between the designated object and place.

As opposed to connections created between physical objects and places through their passage through space and time, e.g.: the place of production being a property of the production event of an individual, physical locative statuses are created de jure rather than de facto and create a socially recognized connection between an object and a location regardless the real or known spatiotemporal history of that object. For example, documentation may point to ambiguous evidence linking an object and a place such as the 'provenance' location of a physical object. In these cases, when we do not know the actual physical history of the object in question, but we do have a de jure attribution from which some knowledge may be derived, we can document and follow an instance of Physical Locative Status for an object in relation to a geographic location. Instances of physical locative status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of locative status may come to be through a formal process such as a declarative act of such definition, or may have arisen through habit, fiat or be of unknown origin. Instances of locative status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

### Examples:

- The Physical Locative Status (ZE43) of Hoa Hakananai'a and Moai Hava (E22) as 'has permanent location' Easter Island (E53) held by the Council of Elders (Consejo de Ancianos), CODEIPA (Comisión de Desarrollo de la Isla de Pascua/Development Commission of Easter Island) (E74) (<https://www.britishmuseum.org/about-us/british-museum-story/contested-objects-collection/moai>)
- The Physical Locative Status (ZE43) of Hoa Hakananai'a and Moai Hava (E22) as 'has permanent location' Room 24 at the British Museum (E53) held by the British Museum (E74) (E74) (<https://www.britishmuseum.org/about-us/british-museum-story/contested-objects-collection/moai>)

### Properties:

ZP83 has physical locative subject (is physical locative subject of): E18 Physical Thing  
ZP84 ascribes location relation (is location relation ascribed by): E55 Type

## ZE44 Topographical Status

### Subclass of:

ZE35 Locative Status

### Scope note:

An instance of topographical status is the collective ascription to a geographical place of a formal spatial association to another geographic place. The substance of the topographical status is the communal attribution of a defined spatial association between two geographic places.

As opposed to connections created between geographic places as determined through a pure mathematic relation, e.g.: the falling within of a larger geometry by a smaller geometry, topographical statuses depend also on a de jure, socially recognized connection between two topographies. For example, when there are distinct political positions on the boundaries of a country, whether a geographic area 'falls within' another geographic area depends not only on the geometric calculation, but on the definition of extents of the geographic spaces in the first place. Instances of topographical status are recognizable through evidence of community members

adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of topographical status may come to be through a formal process such as a declarative act of such definition, or may have arisen through habit, fiat or be of unknown origin. Instances of locative status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Topographic Status (ZE44) of mainland China (E53) as 'falls within' the Territory of The Republic of China (E53), from 1949 - present, as held by the Republic of China (ROC) (E74) ([https://en.wikipedia.org/wiki/Political\\_status\\_of\\_Taiwan](https://en.wikipedia.org/wiki/Political_status_of_Taiwan))
- The Topographic Status (ZE44) of Taiwan (E53) as 'falls within' the territory of the People's Republic of China (E53), from 1949 - present, as held by the People's Republic of China (PRC) (E74) ([https://en.wikipedia.org/wiki/Political\\_status\\_of\\_Taiwan](https://en.wikipedia.org/wiki/Political_status_of_Taiwan))

**Properties:**

ZP85 has topographical subject (is topographical subject of): E53 Place

ZP88 ascribes topographical relation (is topographical relation ascribed by): E55 Type

## ZE45 Promissory Status

**Subclass of:**

ZE1 Institutional Fact

**Superclass of:**

ZE28 Obligation Status

**Scope note:**

An instance of promissory status is the collective ascription of a promissory obligation between two parties. The substance of the promissory status is the communal recognition of the promise in question, which may nonetheless only bind two individuals directly. The substance of promissory status includes the ascription of an outcome which may detail guidelines and constraints that downstream activities on the part of promissory parties should comply with. Put otherwise, the promise promises a futural event on the part of the promisor to the promisee. The specified promissory constraints of this event can be instantiated on the level of kinds of processes, items or qualities and quantities involved in the action.

Instances of promissory status are recognizable through evidence of community members adopting an intentional stance towards the promise that exists between the two parties, as observable from direct witnesses, through the reports of competent observers or through documentary evidence of a declarative act (e.g.: ZE46 Promissory Agreement Event) initiating this status.

Instances of promissory status may come to be through a formal process such as a declarative promissory agreement, or may have arisen through habit, fiat or be of unknown origin. Instances of promissory status may end either through a formal process, such as a new declarative promissory agreement, the formal stripping of an existing promissory status, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

**Examples:**

- The Promissory Status (ZE45) from the Federal Government of the United States of America (E74) to the Sioux Nation (E74) of the recognition of the Black Hills as part of the Great Sioux Reservation (ZE59) (<https://www.archives.gov/milestone-documents/fort-laramie-treaty>)
- The Promissory Status (ZE45) from Barack Obama (E21) to the American people (ZE39) to close Guantanamo Bay (ZE59) ([https://en.wikipedia.org/wiki/Guantanamo\\_Bay\\_detention\\_camp](https://en.wikipedia.org/wiki/Guantanamo_Bay_detention_camp))

**Properties:**

ZP86 ascribes promisee (is promisee ascribed by): ZE36 Persons

ZP87 ascribes promisor (is promisor ascribed by): E39 Actor

ZE46 has promissory subject (is promissory subject of): ZE59 Plan  
ZE46 ascribes promissory relation (is promissory relation ascribed by): E55 Type

## ZE46 Promissory Agreement Event

### Subclass of:

F28 Expression Creation  
ZE13 Speech Act

### Superclass of:

ZE27 Declaration of Obligation

### Scope note:

Instances of promissory agreement event are characterized by formal acts of recognition of a promise between one party and another party for a certain outcome.

Instances of this class comprise explicit acts undertaken following given procedures within a social grouping leading to explicit recognition of a promissory status between two actors. The substance of promissory agreement is an intentional, social act.

Instances of ZE46 Promissory Agreement come about when the specific social procedure required is intentionally and successfully enacted according to the prevalent rules. They end with the successful termination of the act or because of its premature termination.

A successful act of ZE46 Promissory Agreement leads to the generation of an instance of ZE45 Promissory Status, the institutional fact that thereafter holds between two actors until it has been abrogated.

### Examples:

- The signing of the Treaty of Fort Laramie (ZE46) on April 29, 1868, between the U.S. Federal Government (E74) and the Sioux Nation (E74)  
(<https://www.archives.gov/milestone-documents/fort-laramie-treaty>)
- The promise of Barack Obama (ZE46) to the American people to close Guantanamo in 2008 Election Campaign  
(<https://www.pbs.org/newshour/show/obama-failed-close-guantanamo>)

### Properties:

ZE46 generated promise of (is promise generated by): ZE59 Plan  
ZE46 generated promise to (was promisee in): ZE36 Persons  
ZE46 generated promise upon (was promisor in): E39 Actor

## ZE49 Text Sequence Status

### Subclass of:

ZE35 Locative Status

### Scope note:

An instance of text sequence status is a collective ascription to a written text sequence of a formal association to another written text sequence, in relation to which it is conceived as occupying a determinate place (i.e., the order in which they are to be read, wherein one text sequence follows another). The substance of the text sequence status is the communal attribution of a recognizable sequencing order between the designated text fields

As opposed to the connections created between a text field and the physical substrate upon which it is written, text sequence statuses are created de jure rather than de facto and create socially recognized connections between them. For example, an editorial annotation may indicate that a paragraph from a 'lower' position on the writing surface (such as a page) is to be inserted between two paragraphs at a 'higher' position (or on another page altogether). In such cases, the sequence in

which the paragraphs are to be read does not coincide with the physical position of the text field in question, or the exact ordering of the paragraphs may be the subject of research or scholarly debate, but we do have de jure attribution from which some knowledge may be derived and documented with an instance of Text Sequence Status.

Instances of text sequence status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of text sequence status may come to be through a formal process such as a declarative act of such definition, or may have arisen through habit, fiat or be of unknown origin. Instances of text sequence status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

#### Examples:

- The Text Sequence Status (ZE49) of the writing field (TX4) that carries remark #108 (E89) of Wittgenstein's *Philosophical Investigations*, written on a separate scrap of paper (E22) and inserted into the manuscript TS-227a (E22), as 'follows' the writing field (TX4) that carries remark #107 (E89), held by Wittgenstein's literary executors (E74). (<http://www.wittgensteinsource.org/>)
- The Text Sequence Status (ZE49) of the writing field identified as p.x55u61 (TX4) on page 1v of manuscript 20-Ms-187-188 (E22), written by Gottfried Semper (E21), as 'follows' the writing field identified as p.yP1OvN (TX4), held by Semper-Edition SNF Projekt (E74) ([www.semper-edition.ch](http://www.semper-edition.ch))

#### Properties:

ZP93 has text sequence subject (is text sequence subject ascribed by): TX4 Writing Field

ZP94 ascribes text sequence correlate (is text sequence correlate ascribed by): TX4 Writing Field

ZP95 ascribes text sequence relation (is text sequence relation ascribed by): E55 Type

## ZE50 Authority Status

#### Subclass of:

ZE6 Social Status

#### Scope note:

An instance of authority status is the collective ascription of an authority function to an actor by a community, although not necessary by their will. The substance of the authority status is the communal commitment to relating to and acting toward the actor in question according to the designated authority. Instances of authority status may be attributed to individuals or to groups of individuals.

Instances of authority status are recognizable through evidence of community members adopting the intentional stance of so relating or acting toward the actor in question, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act [e.g.: E17 Type Assignment] initiating this status.

Instances of social status may come to be through a formal process such as a declarative act of assignment [E17 Type Assignment], or may have arisen through habit, fiat or be of unknown origin. Instances of social status may end either through a formal process, such as a new declarative act of classification, or simply fade out of existence.

#### Examples:

- The Authority Status (ZE50) of Auguste Escoffier (E21) as 'Chef' (E55), 1898 - 1913, held by the Carleton Hotel, London (E74) ([https://en.wikipedia.org/wiki/Auguste\\_Escoffier](https://en.wikipedia.org/wiki/Auguste_Escoffier))
- The Authority Status (ZE50) of Dwight Eisenhower (E21) as 'Supreme Commander of Allied Expeditionary Force, 1942 - 1944, held by the United Nations (E74) ([https://en.wikipedia.org/wiki/Dwight\\_D.\\_Eisenhower](https://en.wikipedia.org/wiki/Dwight_D._Eisenhower))

#### Properties:

ZP96 has authority status subject (is authority status subject of): E39 Actor

ZP97 ascribes authority status (is authority status ascribed by): E55 Type

ZP116 ascribes authority status relation (is authority status relation ascribed by): E55 Type

## ZE52 Transformative Symbolic Act

**Subclass of:**

ZE53 Symbolic Act

**Superclass of:**

ZE13 Speech Act

**Scope note:**

This class comprises actions of a symbolic nature that are intentionally carried out by instances of E39 Actor and are transformative in consequence on a cultural and/or social level, initiating new instances of institutional fact or terminating the existence of previous institutional facts within that society / culture. An instance of transformative symbolic act is carried out within a social-cultural framework and makes use of the codes and symbols of that framework to communicate a message symbolically. As with any symbolic act, it may affirm or challenge one or more institutional facts recognized within such a system, but the specific difference of a transformative symbolic act is to be the cause of both new institutional facts and of the demise of existing institutional facts.

Instances of transformative symbolic act begin when an E39 Actor intentionally engages in an action invoking an existing code or symbol with the intent to affirm or challenge an institutional fact and end when the invoking act / practice has been completed (or was interrupted). The end of a transformative symbolic act is necessarily accompanied by the change in composition of the overall set of institutional facts of the social cultural framework in which it was undertaken, with one or more instances thereof either coming into or going out of existence.

**Examples:**

- The Montgomery Bus Boycott, 5 December 1955 - 20 December 1956, coordinated by the Montgomery Improvement Association (E74) in protest of segregation on public transport (<https://kinginstitute.stanford.edu/montgomery-bus-boycott>)
- The capture of Constantinople, 29 May 1453, by the Ottoman Army (E74) of Sultan Mehmed II (E21) ([https://en.wikipedia.org/wiki/Fall\\_of\\_Constantinople](https://en.wikipedia.org/wiki/Fall_of_Constantinople))

**Properties:**

ZP42 intentionally initiated (was intentionally initiated by): ZE1 Institutional Fact

ZP52 intentionally terminated (was intentionally terminated by): ZE1 Institutional Fact

## ZE53 Symbolic Act

**Subclass of:**

E7 Activity

**Superclass of:**

ZE52 Transformative Symbolic Act

**Scope note:**

This class comprises actions of a symbolic nature that are intentionally carried out by instances of E39 Actor. In engaging in a symbolic act, an E39 Actor communicates to other actors. The specific content of a symbolic act's communicative outcome currently lies beyond the scope of this class. Instances of this class can be used to document events of affirmative or negatory relation towards an extant social fact as communicated by an actor. An instance of symbolic act is carried out within a social-cultural framework and makes use of the codes and symbols of that framework to communicate a message symbolically and typically affirms or challenges one or more institutional facts recognized therein.



Instances of symbolic act begin when an E39 Actor intentionally engages in an action invoking an existing code or symbol with the intent to affirm or challenge an institutional fact and end when the invoking act / practice has been completed (or was interrupted).

**Examples:**

- The refusal of Rosa Parks (E21) to give up her seat to a white person, as obliged by Alabama transportation segregation law (E29), 1 December 1955. (<https://www.loc.gov/item/today-in-history/december-01>)
- The planting of the American flag by Neil Armstrong (E21) at the Apollo 11 landing site (E27), 16 July 1969 ([https://en.wikipedia.org/wiki/Neil\\_Armstrong](https://en.wikipedia.org/wiki/Neil_Armstrong))

**Properties:**

ZP40 performed (was performed by): E29 Design or Procedure

ZP100 challenged (was challenged by): ZE1 Institutional Fact

ZP101 affirmed (was affirmed by): ZE1 Institutional Fact

## ZE55 Social Relation Status

**Subclass of:**

ZE1 Institutional Fact

**Superclass of:**

ZE10 Family Status

**Scope note:**

An instance of social relation status is the collective ascription of a social relationship between one person and another by a community. The substance of the social relation status is the communal recognition of the binary social connection between the two actors in question.

It is important to underline that an instance of social relation consists of is a binary construct that binds two different actors in a certain relation and is to be distinguished from social status. For example, an instance of social relation status could be the social relation status of "professor of" between a teacher and their student. This is a social relation status that is recognized particularly between the two individuals concerned, to be distinguished from a social status, recognized, for example, by the title 'Dr', which may or may not be held at the time in question and has no particular bearing on a relationship with any one individual.

Instances of social relation status are recognizable through evidence of community members adopting the intentional stance and behaviour indicated as proper to this relation, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of social relation status may come to be simply through birth in a certain community or may require that a formal process such as a right of passage has been undertaken. Instances of social relation status may end either through a formal process such as a renunciation, or may simply fade out of use, be eliminated by fiat or be of unknown reason. or through death.

**Examples:**

- The Social Relation Status (ZE55) between Plato (E21) and Aristotle (E21) as 'is teacher of', ca. 356 - 348 BCE, held by the Academy (E74) (<https://en.wikipedia.org/wiki/Aristotle>)
- The Social Relation Status (ZE55) of Rudolf Carnap (E21), Hans Hahn (E21) and Otto Neurath (E21) *inter alia* as 'founder of', 1929 - present, the Vienna Circle (E74) ([https://en.wikipedia.org/wiki/Vienna\\_Circle](https://en.wikipedia.org/wiki/Vienna_Circle))

**Properties:**

ZP103 ascribes social relation target (is social relation target ascribed by): E39 Actor

ZP104 ascribes social relation (is social relation ascribed by): E55 Type

ZP105 has social relation subject (is social relation subject of): E39 Actor

## ZE59 Plan

### Subclass of:

E29 Design or Procedure  
F2 Expression

### Scope note:

Instances of this class comprise symbolically expressed (whether in writing, orally or in some other recognized symbolic system within a socio-cultural group) projections of futural events and objectivities. An instance of this class is an intellectual object which describes a not yet extant futural world and describes how it is projected to be. A plan foresees what is foreseen to be brought about or to take place given certain eventualities.

The content of a plan expressed as a machine-readable string can be documented in relation to an instance of this object via the property P190 has symbolic content.

The content of a plan can further be expressed in more analytic format by connecting it to a projected instance of Event Trigger Template which describes the particular set of parameters which are envisioned to take place when the plan would be executed.

An instance of plan comes into existence when it is symbolically formulated in some real instantiation and ceases to exist when no further carriers or memory of it remain.

### Examples:

- The Treaty of Fort Laramie (1868), outlining the intention to set aside the Black Hills for the exclusive of use by the Sioux people  
(<https://www.archives.gov/milestone-documents/fort-laramie-treaty>)
- Barack Obama's executive order (2008) to close Guantanamo Bay within a year  
(<https://www.pbs.org/newshour/show/obama-failed-close-guantanamo>)

## ZE60 Evental Locative Status

### Subclass of:

ZE35 Locative Status

### Scope note:

An instance of evental locative status is the collective ascription to an event of a formal association to a geographic place. The substance of the locative status is the communal attribution of a defined association type between the designated event and place. As opposed to connections created between events and places through their passage through space and time, e.g.: the place of production being a property of the production event, evental locative statuses are created de jure rather than de facto and create a socially recognized connection between an event and a location regardless the real spatiotemporal history of that event, known or unknown.

Instances of evental locative status are recognizable through evidence of community members adopting the intentional stance of so recognizing this status, as observable from direct witnesses, through the reports of competent observers or through evidence of a declarative act initiating this status.

Instances of evental locative status may come to be through a formal process such as a declarative act of such definition, or may have arisen through habit, fiat or be of unknown origin. Instances of evental locative status may end either through a formal process, such as a new declarative act, or may simply fade out of use, be eliminated by fiat or be of unknown reason.

### Examples:

- The Evental Locative Status (ZE60) of the 21 May 2014 Russian attack on the Ukrainian ship Zaporizhzhia (E7) as 'took place at' territorial waters of the Russian Federation (E53) held by the Russian Federation (E74)  
([https://en.wikipedia.org/wiki/Timeline\\_of\\_the\\_annexation\\_of\\_Crimea\\_by\\_the\\_Russian\\_Federation](https://en.wikipedia.org/wiki/Timeline_of_the_annexation_of_Crimea_by_the_Russian_Federation))

- The Evental Locative Status (ZE60) of the 21 May 2014 Russian attack on the Ukrainian ship Zaporizhzhia (E7) as 'took place at' the territorial waters of the Ukraine (E53) held by the United Nations (E74)  
([https://en.wikipedia.org/wiki/Timeline\\_of\\_the\\_annexation\\_of\\_Crimea\\_by\\_the\\_Russian\\_Federation](https://en.wikipedia.org/wiki/Timeline_of_the_annexation_of_Crimea_by_the_Russian_Federation))

**Properties:**

ZP119 ascribes event location relation (is event location relation ascribed by): E55 Type

ZP120 has event location subject (is event location subject of): E5 Event

# Art and Architectural Argumentation Ontology

## Version 2.0 Property Declarations

The properties are comprehensively declared in this section using the following format:

- Property names are presented as headings in bold face, preceded by unique property identifiers;
- The line “Domain:” declares the class for which the property is defined;
- The line “Range:” declares the class to which the property points, or that provides the values for the property;
- The line “Superproperty of:” is a cross-reference to any subproperties the property may have;
- The line “Quantification:” declares the possible number of occurrences for domain and range class instances for the property. Possible values are: one to many, many to many, many to one. Quantifications are presented in UML format and in ER format (used by the CIDOC CRM);
- The line “Scope note:” contains the textual definition of the concept the property represents;
- The line “Examples:” contains a bulleted list of examples of instances of this property.

### **ZP1 has intentional subject (is intentional subject of)**

**Domain:**

ZE1 Institutional Fact

**Range:**

E1 CRM Entity

**Scope note:**

This property is used to connect an instance of institutional fact to an entity with which it is concerned. The intentional subject indicated by this property is the object about which the institutional fact holds for the group committed to this institutional reality.

**Examples:**

- The Ownership Status of the G’psgolox totem pole (ZE8) *has ownership subject* (ZP23) the G’psgolox totem pole (E22). ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The Classificatory Status of the "French baguette" (ZE4) *has classificatory subject* (ZP11) the "French baguette" (E55). (<https://www.bbc.com/news/world-europe-63800674>)

### **ZP2 ascribes intentional target (is intentional target ascribed by)**

**Domain:**

ZE1 Institutional Fact

**Range:**

E1 CRM Entity

**Scope note:**

This property is used to indicate the entity which an instance of institutional fact ascribes to its subject. The intentional target indicated by this property is the object which the institutional fact establishes as holding of its subject for the group committed to this institutional reality. The manner of its holding is indicated by the intentional relation.

**Examples:**

- The Ownership Status of the G'psgolox totem pole (ZE8) *ascribes owner* (ZP24) the Haisla people (E74). ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The Classificatory Status of the "French baguette" (ZE4) *ascribes classification* (ZP12) Intangible Cultural Heritage (E55). (<https://www.bbc.com/news/world-europe-63800674>)

## ZP3 ascribes intentional relation (is intentional relation ascribed by)

**Domain:**

ZE1 Institutional Fact

**Range:**

E55 Type

**Scope note:**

This property is used to indicate the relationship which an instance of institutional fact takes to hold between its subject and its object. The intentional relation indicated by this property is the kind of relationship which the institutional fact establishes as holding between them for the group committed to this institutional reality.

**Examples:**

- The Ownership Status of the G'psgolox totem pole (ZE8) *ascribes ownership relation* (ZP25) "has current owner" (E55).
- The Classificatory Status of the "French baguette" (ZE4) *ascribes classification relation* (ZP13) "has type" (E55).

## ZP4 holds for (holds)

**Domain:**

ZE1 Institutional Fact

**Range:**

E74 Group

**Scope note:**

This property is used to indicate the community or group for whom an instance of institutional fact holds. Institutional facts have identity only relative to some group for whom they have a significance as formulated through a chosen symbolic system.

**Examples:**

- The Family Status of Trajan to Nerva (ZE10) as "father" (E55) *holds for* the Roman Republic (E74)
- The Ownership Status of the G'psgolox totem pole (ZE8) of the Haisla people (E74) as "is current owner of" (E55) the G'psgolox totem pole (E22) *holds for* the Haisla people (E74).

## ZP5 has appellative subject (is appellative subject of)

**Domain:**

ZE2 Appellative Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the entity for which an appellation holds as institutional fact.

**Examples:**

- The appellative status of Prince Rogers Nelson (ZE2) *has appellative subject* Prince Rogers Nelson (E21)
- The appellative status for the city of Mumbai (ZE2) *has appellative subject* the city of Mumbai (E53)

## **ZP6 ascribes appellation (is appellation ascribed by)**

**Domain:**

ZE2 Appellative Status

**Range:**

E41 Appellation

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the appellation which is indicated as holding for the named subject of the appellative status.

**Examples:**

- The Appellative Status of Prince Rogers Nelson (ZE2) *ascribes appellation* "The Artist Formerly Known as Prince" (E41)
- The appellative status for the city of Mumbai (ZE2) *ascribes appellation* "Mumbai" (E41)

## **ZP7 ascribes appellative relation (is appellative relation ascribed by)**

**Domain:**

ZE2 Appellative Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the appellation which is indicated as holding for the named subject of the appellative status pertains to this subject.

**Examples:**

- The Appellative Status of Prince Rogers Nelson (ZE2) *ascribes appellative relation* 'is identified by' (E55)
- The appellative status for the city of Mumbai (ZE2) *ascribes appellative relation* "is identified by" (E55)

## ZP8 has contact point subject (is contact point subject of)

**Domain:**

ZE3 Contact Point Status

**Range:**

E39 Actor

**Subproperty of:**

ZE2 Appellative Status:ZP5 has appellative subject (is appellative subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the entity for which a contact point has been specified as means of contact.

**Examples:**

- The Contact Point Status of the mailing address of the Charles the 3rd (ZE3) *has contact point subject* King Charles III (E21).
- The Contact Point Status of "thomas.haensli@uzh.ch" (ZE3) *has contact point subject* Thomas Hänsli (E21).

## ZP9 ascribes contact point (is contact point ascribed by)

**Domain:**

ZE3 Contact Point Status

**Range:**

E42 Identifier

**Subproperty of:**

ZE2 Appellative Status:ZP6 ascribes appellation (is appellation ascribed by):E41 Appellation

**Scope note:**

This property is used to indicate the contact point which is indicated as holding for the named subject of the contact status.

**Examples:**

- The contact point status of the mailing address of the Charles the 3rd (ZE3) *ascribes contact point* "His Majesty The King, Buckingham Palace, London SW1A 1AA, UK" (E42).
- The Contact Point Status of "thomas.haensli@uzh.ch" (ZE3) *ascribes contact point* "thomas.haensli@uzh.ch" (E41)

## ZP10 ascribes contact point relation (is contact point relation ascribed by)

**Domain:**

ZE3 Contact Point Status

**Range:**

E55 Type

**Subproperty of:**

ZE2 Appellative Status:ZP7 ascribes appellative relation (is appellative relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the contact point which is indicated as holding for the named subject of the contact status pertains to this subject.

**Examples:**

- The contact point status of the mailing address of the Charles the 3rd (ZE3) *ascribes contact point relation* "provides access to" (E55)
- The contact point status of the emailing address of Thomas Hänsli (ZE3) *ascribes contact point relation* "provides access to" (E55)

## **ZP11 has classificatory subject (is classificatory subject of)**

**Domain:**

ZE4 Classificatory Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the entity for which a certain classification is taken to hold by the instance of classificatory status.

**Examples:**

- The classificatory status of the assemblage of apatosaurus and camarasaurus remains (ZE4) *has classificatory subject* the assemblage of apatosaurus and camarasaurus remains (E19)
- The classificatory status of the "French baguette" (ZE4) *has classificatory subject* the French baguette (E55)

## **ZP12 ascribes classification (is classification ascribed by)**

**Domain:**

ZE4 Classificatory Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the type which is indicated as holding for the subject of the classification status.



**Examples:**

- The classificatory status of the assemblage of apatosaurus and camarasaurus remains (ZE4) *ascribes classification* Brontosaurus excelsus (E55)
- The classificatory status of the "French baguette" (ZE4) *ascribes classification* Intangible Cultural Heritage (E55)

## **ZP13 ascribes classification relation (is classification relations ascribed by)**

**Domain:**

ZE4 Classificatory Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the type which is indicated as holding for the subject of the classification status pertains to this subject.

**Examples:**

- The classificatory status of the assemblage of apatosaurus and camarasaurus remains (ZE4) *ascribes classification relation* "P2 has type" (E55)
- The classificatory status of the "French baguette" (ZE4) *ascribes classification relation* "P2 has type" (E55)

## **ZP14 has functional subject (is functional subject of)**

**Domain:**

ZE5 Function Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE4 Classificatory Status:ZP11 has classificatory subject (is classificatory subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the entity for which a certain functional classification is taken to hold by the instance of functional status.

**Examples:**

- The function status of St Joe's Cathedral (ZE5) *has functional subject* St Joe's Cathedral (E22)
- The function status of Sen. Mary Jane McCallum's eagle feather (ZE5) *has functional subject* Sen. Mary Jane McCallum's eagle feather (E20)

## ZP15 ascribes function (is function ascribed by)

**Domain:**

ZE5 Function Status

**Range:**

E55 Type

**Subproperty of:**

ZE4 Classificatory Status:ZP12 ascribes classification (is classification ascribed by):E55 Type

**Scope note:**

This property is used to indicate the type of function which is indicated as holding for the subject of the function status.

**Examples:**

- The function status of St Joe's Cathedral (ZE5) *ascribes function* minor basilica (E55)
- The function status of Sen. Mary Jane McCallum's eagle feather (ZE5) *ascribes function* sacred object (E55)

## ZP16 ascribes functional relation (is functional relation ascribed by)

**Domain:**

ZE5 Function Status

**Range:**

E55 Type

**Subproperty of:**

ZE4 Classificatory Status:ZP13 ascribes classification relation (is classification relations ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the function which is indicated as holding for the subject of the function status pertains to this subject.

**Examples:**

- The function status of St Joe's Cathedral (ZE5) *ascribes functional relation* "has type" (E55)
- The function status of Sen. Mary Jane McCallum's eagle feather (ZE5) *ascribes functional relation* "has type" (E55)

## ZP17 has social status subject (is social status subject of)

**Domain:**

ZE6 Social Status

**Range:**

E39 Actor

**Subproperty of:**

ZE4 Classificatory Status:ZP11 has classificatory subject (is classificatory subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the actor for which a certain social status is taken to hold by the instance of social status.

**Examples:**

- The social status of Tayegaza (ZE6) *has social status subject* Tayegaza (E21)
- The social status of the jurors in the O.J. Simpson murder trial (ZE6) *has social status subject* the jurors in the O.J. Simpson murder trial (E74)

## **ZP18 ascribes social status (is social status ascribed by)**

**Domain:**

ZE6 Social Status

**Range:**

E55 Type

**Subproperty of:**

ZE4 Classificatory Status:ZP12 ascribes classification (is classification ascribed by):E55 Type

**Scope note:**

This property is used to indicate the type of social status which is indicated as holding for the subject of the social status ascription.

**Examples:**

- The social status of Tayegaza (ZE6) *ascribes social status* Enslaved Person (E55)
- The social status of the jurors in the O.J. Simpson murder trial (ZE6) *ascribes social status* Juror (E55)

## **ZP19 ascribes social status relation (is social status relation ascribed by)**

**Domain:**

ZE6 Social Status

**Range:**

E55 Type

**Subproperty of:**

ZE4 Classificatory Status:ZP13 ascribes classification relation (is classification relations ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the type of social status which is indicated as holding for the subject pertains to this subject.

**Examples:**

- The social status of Tayegaza (ZE6) *ascribes social status relation* 'has type' (E55)
- The social status of the jurors in the O.J. Simpson murder trial III (ZE6) *ascribes social status relation* "has type" (E55)

## ZP20 has custodial subject (is custodial subject of)

**Domain:**

ZE7 Custodial Status

**Range:**

E18 Physical Thing

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the physical thing over which a certain custodial status is taken to hold.

**Examples:**

- The custodial status of the G'psgolox totem pole (ZE7) *has custodial subject* G'psgolox totem pole (E22)
- The custodial status of Banff National Park (ZE7) *has custodial subject* Banff National Park (E53)

## ZP21 ascribes custodian (is custodian ascribed by)

**Domain:**

ZE7 Custodial Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the custodian to whom the custody of the physical thing which is the subject of the custodial status redounds.

**Examples:**

- The custodial status of the G'psgolox totem pole (ZE7) *ascribes custodian* the Swedish National Museum of Ethnography (E74)
- The custodial status of Banff National Park (ZE7) *ascribes custodian* Parks Canada (E74)

## ZP22 ascribes custodial relation (is custodial relation ascribed by)

**Domain:**

ZE7 Custodial Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the custodial status which is indicated as holding over the legal object by the custodian pertains to this subject.

**Examples:**

- The custodial status of the G'psgolox totem pole (ZE7) *ascribes custodial relation* "has current custodian" (E55)
- The custodial status of Banff National Park (ZE7) *ascribes custodial relation* "has current custodian" (E55)

## ZP23 has ownership subject (is ownership subject of)

**Domain:**

ZE8 Ownership Status

**Range:**

E18 Physical Thing

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the legal object over which a certain ownership status is taken to hold.

**Examples:**

- The ownership status of the Euphronios Krater (ZE8) *has ownership subject* the Euphronios Krater (E22)
- The ownership status of the G'psgolox totem pole (ZE8) *has ownership subject* the G'psgolox totem pole (E22)

## ZP24 ascribes owner (is owners ascribed by)

**Domain:**

ZE8 Ownership Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the owner to whom the title of the legal object which is the subject of the ownership status redounds.

**Examples:**

- The ownership status of the Euphronios Krater (ZE8) *ascribes owner* the Metropolitan Museum of Art (E74)
- The ownership status of the G'psgolox totem pole (ZE8) *ascribes owner* the Haisla people (E74)
- The ownership status of the G'psgolox totem pole (ZE8) *ascribes owner* the Swedish National Museum of Ethnography (E74)

## ZP25 ascribes ownership relation (is ownership relation ascribed by)

**Domain:**

ZE8 Ownership Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the ownership status which is indicated as holding over the legal object by the owner pertains to this subject.

**Examples:**

- The ownership status of the Euphronios Krater (ZE8) *ascribes ownership relation* "has current owner" (E55)
- 

The ownership status of the G'psgolox totem pole (ZE8) *ascribes ownership relation* "has current owner" (E55)

## ZP26 has residence subject (is residence subject of)

**Domain:**

ZE9 Residential Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the actor for whom the residence status is taken to hold.

**Examples:**

- The residential status of the Prime Minister Role of Canada (ZE9) *has residence subject* the current Prime Minister of Canada (E21)
- The residential status of Donald Trump (ZE9) *has residence subject* Donald Trump (E21)

## ZP27 ascribes residence place (is residence place ascribed by)

**Domain:**

**Range:** ZE9 Residential Status  
E53 Place

**Subproperty of:**  
ZE35 Locative Status:ZP77 ascribes place (is place ascribed by):E53 Place

**Scope note:**  
This property is used to indicate the place at which the subject of the residence status is taken to reside or dwell.

**Examples:**

- The residential status of the Prime Minister Role of Canada (ZE9) *ascribes residence place* 24 Sussex Drive (E53)
- The residential status of Donald Trump (ZE9) *ascribes residence place* The White House (E53)

## **ZP28 ascribes residence relation (is residence relation ascribed by)**

**Domain:** ZE9 Residential Status  
**Range:** E55 Type

**Subproperty of:**  
ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**  
This property is used to indicate the specific manner in which the residence status which is indicated as holding over the actor pertains to this subject.

**Examples:**

- The residential status of the Prime Minister Role of Canada (ZE9) *ascribes residence relation* "has current or former residence" (E55)
- The residential status of Donald Trump (ZE9) *ascribes residence relation* "has current or former residence" (E55)

## **ZP29 has familial subject (is familial subject of)**

**Domain:** ZE10 Family Status  
**Range:** E21 Person

**Subproperty of:**  
ZE55 Social Relation Status:ZP105 has social relation subject (is social relation subject of):E39 Actor

**Scope note:**  
This property is used to indicate the person for whom the family status is taken to hold.

**Examples:**

- The family status of "father" between Trajan and adoptive son Nerva (ZE10) *has familial subject* Trajan (E21)
- The family status of "husband" between Michael Leshner and Michael Stark (ZE10) *has familial subject* Michael Leshner (E21)

## **ZP30 ascribes relative (is relative ascribed by)**

**Domain:**

ZE10 Family Status

**Range:**

E21 Person

**Subproperty of:**

ZE55 Social Relation Status:ZP103 ascribes social relation target (is social relation target ascribed by):E39 Actor

**Scope note:**

This property is used to indicate the person with whom the subject of the family relation status has the familial relation which they have.

**Examples:**

- The family status of "father" Trajan and adoptive son Nerva (ZE10) *ascribes relative* Nerva (E21)
- The family status of "husband" between Michael Leshner and Michael Stark (ZE10) *ascribes relative* Michael Stark (E21)

## **ZP31 ascribes familial relation (is familial relation ascribed by)**

**Domain:**

ZE10 Family Status

**Range:**

E55 Type

**Subproperty of:**

ZE55 Social Relation Status:ZP104 ascribes social relation (is social relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of family status which is indicated as holding between the subject individual and his/her ascribed relative.

**Examples:**

- The family status of "father" Trajan and adoptive son Nerva (ZE10) *ascribes familial relation* "father" (E55)
- The family status of "husband" between Michael Leshner and Michael Stark (ZE10) *ascribes familial relation* "husband" (E55)



## ZP32 has membership subject (is membership subject of)

**Domain:**

ZE11 Membership Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the person or group for whom the membership status is taken to hold.

**Examples:**

- The membership status of Mary Ellen Turpel-Lafond (ZE11) *has membership subject* Mary Ellen Turpel-Lafond (E21)
- The membership status of Sinéad O'Connor (ZE11) *has membership subject* Sinéad O'Connor (E21)

## ZP33 ascribes group (is group ascribed by)

**Domain:**

ZE11 Membership Status

**Range:**

E74 Group

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the group ascribed to the subject person of the membership status as having a membership relation thereto.

**Examples:**

- The membership status of Mary Ellen Turpel-Lafond (ZE11) *ascribes group* the Cree First Nation (E74)
- The membership status of Pete Best (ZE11) *ascribes group* the Fifth Beatles (E74)

## ZP34 ascribes membership relation (is membership relation ascribed by)

**Domain:**

ZE11 Membership Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of membership status which is indicated as holding between the subject actor and the group to which it is ascribed as being a member.

**Examples:**

- The membership status of Mary Ellen Turpel-Lafond (ZE11) *ascribes membership relation* "has current member" (E55)
- The membership status of Sinéad O'Connor (ZE11) *ascribes membership relation* "has current member" (E55)

## ZP35 has referential subject (is referential subject of)

**Domain:**

ZE12 Referential Status

**Range:**

E89 Propositional Object

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the propositional object for which the referential status is taken to hold.

**Examples:**

- The referential status of 'Let's Go, Brandon' (E12) *has referential subject* 'Let's Go, Brandon' (E89).
- The referential status of the visual appearance of wearing a balaclava (E12) *has referential subject* the visual appearance of wearing a balaclava (E36).

## ZP36 ascribes referent (is referent ascribed by)

**Domain:**

ZE12 Referential Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the referent to which the subject propositional object is taken to refer.

**Examples:**

- The referential status of 'Let's Go, Brandon' (ZE12) *ascribes referent* Joe Biden (E21)
- The referential status of the visual appearance of wearing a balaclava (ZE12) *ascribes referent* "military identity" (E55)

## ZP37 ascribes referential relation (is referential relation)

## ascribed by)

**Domain:**

ZE12 Referential Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of referential status which is indicated as holding between the subject propositional object and its indicated intended referent.

**Examples:**

- The referential status of the visual appearance of wearing a balaclava (ZE12) *ascribes referential relation "refers to"* (E55)
- The referential status of 'Let's Go, Brandon' (ZE12) *ascribes referential relation "refers to"* (E55)

## ZP38 ascribes referential mode (is referential mode ascribed by)

**Domain:**

ZE12 Referential Status

**Range:**

E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the referential status which is indicated as holding between the subject propositional object and its indicated intended referent holds.

**Examples:**

- The referential status of the visual appearance of wearing a balaclava (ZE12) *ascribes referential mode "appropriated"* (E55)
- The referential status of 'Let's Go, Brandon'(ZE12) *ascribes referential mode "anti-Joe Biden sentiment"* (E55)

## ZP40 performed (was performed by)

**Domain:**

ZE53 Symbolic Act

**Range:**

E29 Design or Procedure

**Subproperty of:**

E7 Activity:P33 used specific technique (was used by):E29 Design or Procedure

**Scope note:**

This property is used to indicate the performance plan sanctioned by normative rule appealed to by

a symbolic act in order to bring out the specific intended communicative effect. At a general level, the performance plan is what is appealed to in order to carry out the symbolic act in the first place. For example, an act of defiance may call on a specific sequence of gestures to be instantiated. The case of speech act (ZE13) is a special case of symbolic act where the performance plan indicates the series of necessary procedures that must be followed in order for the speech act to have been successfully carried out and to have created a genuine instance of the institutional fact that it was designed to make possible.

**Examples:**

- Michael Leshner (E21) and Michael Stark (E21) *performed* the marriage ceremony (E29) in their 2003 wedding in Toronto, Ontario. ([https://en.wikipedia.org/wiki/Michael\\_Leshner\\_and\\_Michael\\_Stark](https://en.wikipedia.org/wiki/Michael_Leshner_and_Michael_Stark))
- Father Andres Arango's baptisms (ZE13) *performed* the Catholic Right of Baptism (E29) (<https://www.cbc.ca/radio/asithappens/as-it-happens-the-thursday-edition-1.6355198/thousands-of-baptisms-declared-invalid-in-arizona-because-of-a-single-word-1.6355339>)

## **ZP41 uttered (was uttered by)**

**Domain:**

ZE13 Speech Act

**Range:**

E73 Information Object

**Subproperty of:**

E7 Activity:P16 used specific object (was used for):E70 Thing

**Scope note:**

It is typical of performance plans for normative procedures to include a necessary invoking clause or set of clauses which must be uttered in the course of the performance of the speech act in order to for it to be successfully carried out. This property enables the documentation of the use of such a linguistic object.

**Examples:**

- John F. Kennedy's speech on 26 June 1963 (ZE13) *uttered* "Ich bin ein Berliner" (E89) ([https://en.wikipedia.org/wiki/Ich\\_bin\\_ein\\_Berliner](https://en.wikipedia.org/wiki/Ich_bin_ein_Berliner))
- Father Andres Arango's baptisms (ZE13) *uttered* "We baptize you in the name of the Father, and of the Son, and of the Holy Spirit." (E89) (<https://www.cbc.ca/radio/asithappens/as-it-happens-the-thursday-edition-1.6355198/thousands-of-baptisms-declared-invalid-in-arizona-because-of-a-single-word-1.6355339>)

## **ZP42 intentionally initiated (was intentionally initiated by)**

**Domain:**

ZE52 Transformative Symbolic Act

**Range:**

ZE1 Institutional Fact

**Subproperty of:**

E5 Event:ZP111 initiated (was initiated by):ZE1 Institutional Fact

**Scope note:**

This property is used to connect an instance of transformative symbolic act to the instance of institutional fact which it brought into existence through the successful performance of a specified norm type conformant symbolic act.

**Examples:**

- The permission granted by the Canadian Department of Indian Affairs in 1929 (ZE13) *intentionally initiated* the Custodial Status (ZE7) of G'psgolox totem pole (E22) vis. Olof Hanson (E21). ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))
- The signing of the Louisiana Purchase in 1803 (ZE13) *intentionally initiated* the Ownership Status (ZE8) of the territory of Louisiana (E27) vis. the United States of America (E74) ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

**ZP43 has similarity subject (is similarity subject of)****Domain:**

ZE14 Similarity Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate one of two entities for which the similarity status is taken to hold.

**Examples:**

- The similarity status of George and his dog Stilton (ZE14) *has similarity subject* George (E21)
- The similarity status of Ed Sheehan's song "Thinking Out Loud" and Marvin Gaye's song "Let's Get It On" (ZE14) *has similarity subject* Ed Sheehan's song "Thinking Out Loud" (E73)

**ZP44 ascribes similarity target (is similarity target ascribed by)****Domain:**

ZE14 Similarity Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the other entity for which the similarity status is taken to hold.

**Examples:**

- The similarity status of George and his dog Stilton (ZE14) *ascribes similarity target* Stilton (E20)
- The similarity status of Ed Sheehan's song "Thinking Out Loud" and Marvin Gaye's song "Let's Get It On" (ZE14) *ascribes similarity target* Marvin Gaye's song "Let's Get It On" (E73)

**ZP45 ascribes similarity relation (is similarity relation)**

## ascribed by)

**Domain:**

ZE14 Similarity Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of similarity which is indicated as holding between the two entities indicated in the similarity status.

**Examples:**

- The similarity status of George and his dog Stilton (ZE14) *ascribes similarity relation* "has similarity" (E55)
- The similarity status of Ed Sheehan's song "Thinking Out Loud" and Marvin Gaye's song "Let's Get It On" *ascribes similarity relation* "has similarity" (E55)

## ZP46 ascribes similarity mode (is similarity mode ascribed by)

**Domain:**

ZE14 Similarity Status

**Range:**

E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the similarity status, which is indicated as holding between the two entities indicated in the similarity status, is the case. It's function corresponds with the .1 properties in CIDOC-CRM 7.1.1.

**Examples:**

- The similarity status of Ed Sheehan's song "Thinking Out Loud" and Marvin Gaye's song "Let's Get It On" (ZE14) *ascribes similarity mode* "copy of" (E55)

## ZP47 has set belonging subject (is set belonging subject of)

**Domain:**

ZE15 Set Status

**Range:**

E1 CRM Entity

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate an entity which is taken as belonging to a particular set by the

instance of set status.

**Examples:**

- The set status of the Marvin Gaye's album 'Let's Get It On' (ZE16) *has set belonging subject* Marvin Gaye's album 'Let's Get It On' (E73)
- The set status of the Duffer Brother's 'Stranger Things' (ZE16) *has set belonging subject* the Duffer Brother's 'Stranger Things' (E73)

## **ZP48 ascribes set (is set ascribed by)**

**Domain:**

ZE15 Set Status

**Range:**

ZE24 Notional Set

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the set to which an entity is indicated as belonging .

**Examples:**

- The set status of the Marvin Gaye's album 'Let's Get It On' (ZE16) *ascribes set* the 500 Greatest Albums of All Time (ZE24)
- The set status of the Duffer Brother's 'Stranger Things' (ZE16) *ascribes set* the 50 Best TV Shows of 2022 (ZE24)

## **ZP49 ascribes set belonging relation (is set belonging relation ascribed by)**

**Domain:**

ZE15 Set Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of belonging to the set which is indicated as holding between the subject entity and the target set.

**Examples:**

- The set status of the Marvin Gaye's album 'Let's Get It On' (ZE16) *ascribes set belonging relation* "has current set member" (E55)
- The set status of the Duffer Brother's 'Stranger Things' (ZE16) *ascribes set belonging relation* "has current set member" (E55)

## ZP51 has former or current set member (is current or former set member of)

**Domain:**

ZE24 Notional Set

**Range:**

E1 CRM Entity

**Scope note:**

This property is used to connect an instance of set to an entity considered to be one of its members.

**Examples:**

- The 500 Greatest Albums of All Time (ZE24) *has former or current set member* Marvin Gaye's album 'Let's Get It On' (E73). (<https://www.rollingstone.com/music/music-lists/best-albums-of-all-time-1062063/>)
- The 50 Best TV Shows of 2022 (ZE24) *has former or current set member* the Duffer Brother's 'Stranger Things' (E73). (<https://www.theguardian.com/tv-and-radio/2022/dec/02/the-50-best-tv-shows-of-2022>)

## ZP52 intentionally terminated (was intentionally terminated by)

**Domain:**

ZE52 Transformative Symbolic Act

**Range:**

ZE1 Institutional Fact

**Subproperty of:**

E5 Event:ZP112 terminated (was terminated by):ZE1 Institutional Fact

**Scope note:**

This property is used to connect an instance of transformative symbolic act to the instance of institutional fact which it cancels through the successful performance of a specified norm type conformant symbolic act.

**Examples:**

- The ratification of the Republic of Ireland Act on 18 April 1949 (ZE13) *intentionally terminated* Ireland's Membership Status (ZE11) vis. the Commonwealth of Nations (E74) ([https://en.wikipedia.org/wiki/The\\_Republic\\_of\\_Ireland\\_Act\\_1948](https://en.wikipedia.org/wiki/The_Republic_of_Ireland_Act_1948))
- The permission for repatriation of the G'psgolox totem pole granted in 2006 (ZE13) *intentionally terminated* its Custodial Status (ZE8) vis. the Swedish National Museum (E74) ([https://en.wikipedia.org/wiki/G%CA%BCpsgolox\\_totem\\_pole](https://en.wikipedia.org/wiki/G%CA%BCpsgolox_totem_pole))

## ZP54 ascribes relative date (is relative date ascribed by)

**Domain:**

ZE25 Dating Status

**Range:**

E4 Period

**Subproperty of:**



ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to connect the instance of dating status to the instance of a period to which another instance of period is related for the purposes of datation.

**Examples:**

- The dating status of the first purposeful settlement of Crete (ZE25) *ascribes relative date* the pre-Neolithic period (E4)
- The dating status of the Bronosaurus excelsus (ZE25) *ascribes relative date* the late Jurassic period (E4)

## ZP55 has dating subject (is dating subject of)

**Domain:**

ZE25 Dating Status

**Range:**

E4 Period

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to connect the instance of dating status to an instance of a period typically associated with the existence or use of a physical thing or an object which is the ultimate object of inquiry.

**Examples:**

- The dating status of the first purposeful settlement of Crete (ZE25) *has dating subject* the first purposeful settlement of Crete (E7)
- The dating status of the Bronosaurus excelsus (ZE25) *has dating subject* the existence of Brontosaurus excelsus (E5)

## ZP56 ascribes dating relation (is dating relation ascribed by)

**Domain:**

ZE25 Dating Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to assign the type of relationship the dated period of the object under investigation bears towards the period assigned to it as its datation.

**Examples:**

- The dating status of the first purposeful settlement of Crete (ZE25) *ascribes dating relation* "falls within" (E55)
- The dating status of the Bronosaurus excelsus (ZE25) *ascribes dating relation* "falls within" (E55)

## ZP57 has obligation subject (is obligation subject of)

**Domain:**

ZE28 Obligation Status

**Range:**

E54 Dimension

**Subproperty of:**

ZE45 Promissory Status:ZP89 has promissory subject (is promissory subject of):ZE59 Plan

**Scope note:**

This property is used to indicate a dimension which represents an amount of debt owed from one party to another within an instance of formal obligation.

**Examples:**

- The obligation status of the United States of America to the Republic of France following the Louisiana Purchase (ZE28) *has obligation subject* fifteen million USD (E54)
- The obligation status of Michael Jackson to Associated TeleVision following the purchase of the Beatles back catalogue (ZE28) *has obligation subject* forty-seven million USD (E54)

## ZP58 ascribes debtor (is debtor ascribed by)

**Domain:**

ZE28 Obligation Status

**Range:**

E39 Actor

**Subproperty of:**

ZE45 Promissory Status:ZP87 ascribes promisor (is promisor ascribed by):E39 Actor

**Scope note:**

This property is used to indicate an actor whom is bound by an obligation which it is their duty to repay.

**Examples:**

- The obligation status of the United States of America to the Republic of France following the Louisiana Purchase (ZE28) *ascribes debtor* The United States of America (E74)
- The obligation status of Michael Jackson to Associated TeleVision following the purchase of the Beatles back catalogue (ZE28) *ascribes debtor* Michael Jackson (E21)

## ZP59 ascribes obligation relation (is obligation relation ascribed by)

**Domain:**

ZE28 Obligation Status

**Range:**

E55 Type

**Subproperty of:**

ZE45 Promissory Status:ZP90 ascribes promissory relation (is promissory relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of obligation relation that holds between the debtor and the obligation.

**Examples:**

- The obligation status of the United States of America to the Republic of France following the Louisiana Purchase (ZE28) *ascribes obligation relation* "financial obligation" (E55)
- The obligation status of Michael Jackson to Associated TeleVision following the purchase of the Beatles back catalogue (ZE28) *ascribes obligation relation* "financial obligation" (E55)

## ZP60 ascribes debtee (is debtee ascribed by)

**Domain:**

ZE28 Obligation Status

**Range:**

E39 Actor

**Subproperty of:**

ZE45 Promissory Status:ZP86 ascribes promisee (is promisee ascribed by):ZE36 Persons

**Scope note:**

This property is used to indicate the actor to whom an obligation is owed in the context of an obligation.

**Examples:**

- The obligation status of the United States of America to the Republic of France following the Louisiana Purchase (ZE28) *ascribes debtee* The Republic of France (E74)
- The obligation status of Michael Jackson to Associated TeleVision following the purchase of the Beatles back catalogue (ZE28) *ascribes debtee* Associated TeleVision (E74)

## ZP61 transferred property right to (acquired property right through)

**Domain:**

ZE29 Transfer of Property Right

**Range:**

E39 Actor

**Subproperty of:**

E7 Activity:P14 carried out by (performed):E39 Actor

**Scope note:**

This property is used to indicate the receiver of a property right from another party within the context of a transfer of property right.

**Examples:**

- Transfer of Property Right (ZE29) *transferred property right to* Michael Jackson (E21). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

- Transfer of Property Right (ZE29) *transferred property right to* the United States of America (E74) ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

## ZP62 transferred property right from (surrendered property right through)

**Domain:**

ZE29 Transfer of Property Right

**Range:**

E39 Actor

**Subproperty of:**

E7 Activity:P14 carried out by (performed):E39 Actor

**Scope note:**

This property is used to indicate the party ceding property right to another party within the context of a transfer of property right.

**Examples:**

- Transfer of Property Right (ZE29) *transferred property right from* Associated TeleVision (E74). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)
- Transfer of Property Right (ZE29) *transferred property right from* the First French Republic (E74). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

## ZP63 transferred property right over (had change in property right through)

**Domain:**

ZE29 Transfer of Property Right

**Range:**

E72 Legal Object

**Subproperty of:**

E7 Activity:P16 used specific object (was used for):E70 Thing

**Scope note:**

This property is used to indicate the legal object over which property right has been transferred from one party to another.

**Examples:**

- Transfer of Property Right (ZE29) *transferred property right over* the Beatles back catalogue (E73). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)
- Transfer of Property Right (ZE29) *transferred property right over* the territory of Louisiana (E27). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

## ZP64 has property right subject (is property right subject

of)

**Domain:**

ZE30 Property Right Status

**Range:**

E72 Legal Object

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate an object that is subject to a property right of some actor.

**Examples:**

- The property right status exercised by the United States of America over the Louisiana Territory (ZE30) *has property right subject* the Louisiana Territory (E27).
- The property right status exercised by Michael Jackson over the Beatles back catalogue (ZE30) *has property right subject* the Beatles back catalogue (E73).

## **ZP65 ascribes property right holder (is property right holder ascribed by)**

**Domain:**

ZE30 Property Right Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate an actor who holds a right over a legal object within the context of a property right status.

**Examples:**

- The property right status exercised by the United States of America over the Louisiana Territory (ZE30) *ascribes property right holder* the United States of America (E74).
- The property right status exercised by Michael Jackson over the Beatles back catalogue (ZE30) *ascribes property right holder* Michael Jackson (E21).

## **ZP66 ascribes property right relation (is property right relation ascribed by)**

**Domain:**

ZE30 Property Right Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55

Type

**Scope note:**

This property is used to indicate the specific type of property right relation that is held over the legal object by the actor in the context of a property right status.

**Examples:**

- The property right status exercised by the United States of America over the Louisiana Territory (ZE30) *ascribes property right relation* "has current owner" (E55).
- The property right status exercised by Michael Jackson over the Beatles back catalogue (ZE30) *ascribes property right relation* "has current owner" (E55).

## ZP67 generated obligation upon (had obligation generated upon by)

**Domain:**

ZE27 Declaration of Obligation

**Range:**

E39 Actor

**Subproperty of:**

E7 Activity:P14 carried out by (performed):E39 Actor

**Scope note:**

This property is used to indicate the party who owes another party within the the context of a declaration of obligation.

**Examples:**

- The signing of the Louisiana Purchase (ZE27) *generated obligation upon* the United States of America (E74). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The purchase of the Beatles back catalogue (ZE27) *generated obligation upon* Micheal Jackson (E21). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

## ZP68 generated obligation to (had obligation to generated by)

**Domain:**

ZE27 Declaration of Obligation

**Range:**

E39 Actor

**Subproperty of:**

E7 Activity:P14 carried out by (performed):E39 Actor

**Scope note:**

This property is used to indicate the party who is owed by another party within the the context of a declaration of obligation.

**Examples:**

- The signing of the Louisiana Purchase (ZE27) *generated obligation to* the Republic of France (E74). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))

- The purchase of the Beatles back catalogue (ZE27) *generated obligation to* Associated TeleVision (E74). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

## ZP69 generated obligation of (had obligation generated of by)

**Domain:**

ZE27 Declaration of Obligation

**Range:**

E54 Dimension

**Scope note:**

This property is used to indicate the specific amount owed by one party to another within the context of a declaration of obligation.

**Examples:**

- The signing of the Louisiana Purchase (ZE27) *generated obligation of* 15 million USD (E54). ([https://en.wikipedia.org/wiki/Louisiana\\_Purchase](https://en.wikipedia.org/wiki/Louisiana_Purchase))
- The purchase of the Beatles back catalogue (ZE27) *generated obligation of* 47.5 million USD (E54). (<https://americansongwriter.com/the-story-behind-michael-jackson-buying-the-beatles-catalog-and-angering-friend-paul-mccartney/>)

## ZP70 ascribes social status in relation to (is related to held social status)

**Domain:**

ZE6 Social Status

**Range:**

E39 Actor

**Scope note:**

This property is used to indicate a third party actor for whom another's social status holds relevance (in the form of rights and/or responsibilities that are thus due to them) in the instance of social status.

**Examples:**

- The social status of the jurors in the O.J. Simpson murder trial (ZE6) *ascribes social status in relation to* O.J. Simpson (E21)

## ZP75 applies for context (is context for)

**Domain:**

ZE1 Institutional Fact

**Range:**

E5 Event

**Scope note:**

This property is used to indicate an event context which limits the temporal scope within which an instance of institutional fact is meant to hold. When indicated the event context stands as the frame

in which the institutional fact is held to be valid by the associated group for whom it has significance.

**Examples:**

- The Social Status of the jurors in the O.J. Simpson murder trial (ZE6) *applies for context* O.J. Simpson murder trial (E7)
- The Ownership Status of the G'psgolox totem pole vis. The Swedish National Museum (ZE8) *applies for context* the permission granted to remove it from Haida Gwaii granted by the Canadian Department of Indian Affairs in 1929 (ZE20)

## **ZP76 applies for context type (is context type for)**

**Domain:**

ZE1 Institutional Fact

**Range:**

E55 Type

**Scope note:**

This property is used to indicate an event context type which limits the spatio-temporal scope within which an instance of institutional fact is meant to hold to certain kinds of event. When indicated the event context type stands as the frame or frames in which the institutional fact is held to be valid by the associated group for whom it has significance.

**Examples:**

- The Function Status (ZE5) of St Joe's Cathedral (E22) as 'has type' minor basilica (E55) *applies for context type* religious activities (E55).
- The ownership status of the Euphronios Krater (E22) as 'has current owner' the Metropolitan Museum of Art (E74) *applies for context type* litigation (E55).

## **ZP77 ascribes place (is place ascribed by)**

**Domain:**

ZE35 Locative Status

**Range:**

E53 Place

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the place in a locative association that is taken to hold for an entity.

**Examples:**

- The Physical Locative Status of the hardcopy of "The Early Work of Aubrey Beardsley" (ZE43) ascribes place Worcester Public Library (E53)
- The Physical Locative Status of Hoa Hakananai'a and Moai Hava (ZE43) ascribes place Easter Island (E53)



## ZP78 had constituent (was constituent of)

**Domain:**

ZE37 Population

**Range:**

ZE36 Persons

**Scope note:**

This property relates an instance of population to an instance of persons, individual or collective, to which it belongs qua constituent.

**Examples:**

- Canadians (ZE39) *had constituent* Pierre Trudeau (E21)
- The passengers on board the flight that left Clear Lake on February 3, 1959 (ZE37) *had constituent* Buddy Holly (E21)

## ZP79 had population (was population of)

**Domain:**

ZE38 Population Existence

**Range:**

ZE37 Population

**Subproperty of:**

E5 Event:P11 had participant (participated in):E39 Actor

**Scope note:**

This property relates an instance of population existence to the population whose existence it was.

**Examples:**

- The existence of the segment of ethnically Greek inhabitants of Venice from 1460 to 1600 CE (ZE38) *had population* the segment of ethnically Greek inhabitants of Venice from 1460 to 1600 CE (ZE37)
- The existence of the passengers on board the RMS Titanic (ZE38) *had population* the passengers on board the RMS Titanic (ZE37)

## ZP83 has physical locative subject (is physical locative subject of)

**Domain:**

ZE43 Physical Locative Status

**Range:**

E18 Physical Thing

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to designate the instance of physical object whose socially defined location the instance of physical locative status delineates.

**Examples:**

- The Physical Locative Status of the hardcopy of "The Early Work of Aubrey Beardsley" (ZE43) has

- physical locative subject "The Early Work of Aubrey Beardsley" (E22)
- The Physical Locative Status of Hoa Hakananai'a and Moai Hava (ZE43) has physical locative subject Hoa Hakananai'a and Moai Hava (E22)

## **ZP84 ascribes location relation (is location relation ascribed by)**

**Domain:**

ZE43 Physical Locative Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the physical locative status which is indicated as holding over the physical object pertains to this subject.

**Examples:**

- The Physical Locative Status of the hardcopy of "The Early Work of Aubrey Beardsley" (ZE43) *ascribes location relation* 'has permanent location'
- The Physical Locative Status of Hoa Hakananai'a and Moai Hava (ZE43) *ascribes location relation* 'has permanent location'

## **ZP85 has topographical subject (is topographical subject of)**

**Domain:**

ZE44 Topographical Status

**Range:**

E53 Place

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to designate the instance of place whose socially defined location the instance of topographical status delineates.

**Examples:**

- The topographic status of mainland China (ZE44) *has topographical subject* mainland China (E53)
- The topographic status of Taiwan (ZE44) *has topographic subject* Taiwan (E53)

## **ZP86 ascribes promisee (is promisee ascribed by)**

**Domain:**

**Range:** ZE45 Promissory Status  
ZE36 Persons

**Subproperty of:**  
ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**  
This property is used to indicate the actor to whom a promise has been offered in an intentional promise.

**Examples:**

- The Promissory Status of the promise to recognize the Black Hills as part of the Great Sioux Reservation (ZE45) ascribes promisee the Sioux Nation (E74)
- The Promissory Status of the promise to close Guantanamo Bay (ZE45) ascribes promisee the American people (ZE39)

## **ZP87 ascribes promisor (is promisor ascribed by)**

**Domain:** ZE45 Promissory Status  
**Range:** E39 Actor

**Subproperty of:**  
ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**  
This property is used to indicate an actor who is bound by a promise which it is their duty to fulfil.

**Examples:**

- The Promissory Status of the promise to recognize the Black Hills as part of the Great Sioux Reservation (ZE45) ascribes promisor The Federal Government of the United States of America (E74)
- The Promissory Status of the promise to close Guantanamo Bay (ZE45) ascribes promisor Barack Obama (E21)

## **ZP88 ascribes topographical relation (is topographical relation ascribed by)**

**Domain:** ZE44 Topographical Status  
**Range:** E55 Type

**Subproperty of:**  
ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**  
This property is used to indicate the specific manner in which the topographical status which is indicated as holding between two places.

**Examples:**

- The topographic status of mainland China (ZE44) *ascribes topographical relation 'falls within'* (E55)
- The topographic status of Taiwan (ZE44) *ascribes topographical relation 'falls within'* (E55)

## **ZP89 has promissory subject (is promissory subject of)**

**Domain:**

ZE45 Promissory Status

**Range:**

ZE59 Plan

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate an instance of formulation which represents the promise given from one party to another within an instance of an intentional promise.

**Examples:**

- The Promissory Status of the promise to recognize the Black Hills as part of the Great Sioux Reservation (ZE45) has promissory subject the recognition of the Black Hills as part of the Great Sioux Reservation (ZE59)
- The Promissory Status of the promise to close Guantanamo Bay (ZE45) has promissory subject the closure of Guantanamo Bay (ZE59)

## **ZP90 ascribes promissory relation (is promissory relation ascribed by)**

**Domain:**

ZE45 Promissory Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of promise relation that holds between the promisor and the promisee.

**Examples:**

- The Promissory Status of the promise to recognize the Black Hills as part of the Great Sioux Reservation (ZE45) ascribes promissory relation 'promised' (E55)
- The Promissory Status of the promise to close Guantanamo Bay (ZE45) ascribes promissory relation 'promised' (E55)

## **ZP91 generated promise of (is promise generated by)**

**Domain:**

ZE46 Promissory Agreement Event

**Range:**

ZE59 Plan

**Subproperty of:**

F28 Expression Creation:R17 created (was created by):F2 Expression

**Scope note:**

This property associates an instance of promissory agreement to the plan for a futural event (the realized promise) that it generates and which is promised through it.

**Examples:**

- The signing of the Treaty of Fort Laramie (ZE46) on April 29, 1868, generated the promise of the recognition of the Black Hills as part of the Great Sioux Reservation (ZE59)
- The promise of Barack Obama (ZE46) generated promise of the closure of Guantanamo Bay (ZE59)

## **ZP93 has text sequence subject (is text sequence subject ascribed by)**

**Domain:**

ZE49 Text Sequence Status

**Range:**

TX4 Writing Field

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the text field which has been ascribed a sequential location in relation to another text field.

**Examples:**

- The Text Sequence Status of writing field that carries remark #108 of Wittgenstein's *Philosophical Investigations* (ZE49) *has text sequence subject* the writing field that carries remark #108 (TX4)

## **ZP94 ascribes text sequence correlate (is text sequence correlate ascribed by)**

**Domain:**

ZE49 Text Sequence Status

**Range:**

TX4 Writing Field

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to designate a text field to which another text field has been assigned in order to designate its relative place.

**Examples:**

- The Text Sequence Status of the writing field that carries remark #108 of Wittgenstein's *Philosophical Investigations* (ZE49) *has text sequence correlate* the writing field that carries remark #107 (TX4)

## **ZP95 ascribes text sequence relation (is text sequence relation ascribed by)**

**Domain:**

ZE49 Text Sequence Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the text sequence status which is indicated as holding over the textual sequence pertains to this subject.

**Examples:**

- The Text Sequence Status of the writing field that carries remark #108 of Wittgenstein's *Philosophical Investigations* (ZE49) *ascribes text sequence relation 'follows'* (E55)

## **ZP96 has authority status subject (is authority status subject of)**

**Domain:**

ZE50 Authority Status

**Range:**

E39 Actor

**Subproperty of:**

ZE6 Social Status:ZP17 has social status subject (is social status subject of):E39 Actor

**Scope note:**

This property is used to indicate the actor which has been ascribed an authority status.

**Examples:**

- The Authority Status of Auguste Escoffier (ZE50) *has authority status subject* Auguste Escoffier (E21)
- The Authority Status of Dwight Eisenhower (ZE50) *has authority status subject* Dwight Eisenhower (E21)

## **ZP97 ascribes authority status (is authority status ascribed by)**

**Domain:**

ZE50 Authority Status

**Range:**

E55 Type

**Subproperty of:**

ZE6 Social Status:ZP18 ascribes social status (is social status ascribed by):E55 Type

**Scope note:**

This property is used to indicate the type of authority ascribed to the actor by the authority status.

**Examples:**

- The Authority Status of Auguste Escoffier (ZE50) *ascribes authority status* 'Chef' (E55)
- The Authority Status of Dwight Eisenhower (ZE50) *ascribes authority status* 'Supreme Commander of Allied Expeditionary Force' (E55)

## ZP100 challenged (was challenged by)

**Domain:**

ZE53 Symbolic Act

**Range:**

ZE1 Institutional Fact

**Scope note:**

This property links an instance of symbolic act with an instance of institutional fact which it challenges through its performance.

**Examples:**

- The refusal of the Haida people to accept the G'psgolox totem pole as a gift from the Swedish National Museum (ZE53) *challenged* the ownership status of the G'psgolox totem pole vis. the Swedish National Museum (ZE8)
- The planting of the American flag by Neil Armstrong at the Apollo 11 landing site (E7) *challenged* the Authority Status of the USSR Government (ZE50)

## ZP101 affirmed (was affirmed by)

**Domain:**

ZE53 Symbolic Act

**Range:**

ZE1 Institutional Fact

**Scope note:**

This property links an instance of symbolic act with an instance of institutional fact which it affirms through its performance.

**Examples:**

- The refusal of the Haida people to accept the G'psgolox totem pole as a gift from the Swedish National Museum (ZE53) *affirmed* the ownership status of the G'psgolox totem pole vis. the Haisla Eagle clan (ZE8)
- The planting of the American flag by Neil Armstrong at the Apollo 11 landing site (E7) *affirmed* the Authority Status of the United States Government (ZE50)

## ZP103 ascribes social relation target (is social relation

## target ascribed by)

**Domain:**

ZE55 Social Relation Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP2 ascribes intentional target (is intentional target ascribed by):E1 CRM Entity

**Scope note:**

This property is used to indicate the person with whom the subject of the social relation status has the social relation which they have.

**Examples:**

- The Social Relation Status of Plato and Aristotle (ZE55) *ascribes social relation target* Aristotle (E21)
- The Social Relation Status of Rudolf Carnap (ZE55) *ascribes social relation target* the Vienna Circle (E74)

## ZP104 ascribes social relation (is social relation ascribed by)

**Domain:**

ZE55 Social Relation Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of social relation status which is indicated as holding between the subject individual and their ascribed social relative.

**Examples:**

- The Social Relation Status of Plato and Aristotle (ZE55) *ascribes social relation* 'teacher of' (E55)
- The Social Relation Status of Rudolf Carnap (ZE55) *ascribes social relation* 'founder of' (E55)

## ZP105 has social relation subject (is social relation subject of)

**Domain:**

ZE55 Social Relation Status

**Range:**

E39 Actor

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity



**Scope note:**

This property is used to indicate the person for whom the social relation status is taken to hold.

**Examples:**

- The Social Relation Status between Plato and Aristotle (ZE55) *has social relation subject* Plato (E21)
- The Social Relation Status between Rudolf Carnap and the Vienna Circle (ZE55) *ascribes social relation subject* Rudolf Carnap (E21)

## ZP111 initiated (was initiated by)

**Domain:**

E5 Event

**Range:**

ZE1 Institutional Fact

**Scope note:**

This property is used to connect the instance of event to the instance of institutional fact which it brought into existence by fiat thanks to its accordance to a socially defined norm. In this case the bringing about of a new institutional fact need not be intentional or following any particular rule intentionally. Rather, within a social context it is recognized that the very fact of a particular event occurring is causal to the initiation of the related social fact. For example, in certain property right laws, the very fact of writing down an idea (E65 Creation) initiates an instance of property right over the generated information object, regardless of the intention or not of the author to so create such a right.

**Examples:**

- The birth of Prince George of Wales (E67) *initiated* the Social Status as 'Heir to the British Throne' (ZE6)
- The birth of Nimarata Nikki Randhawa Haley (later Nikki Haley) (E67) on American soil *initiated* her American Citizenship status (ZE4)

## ZP112 terminated (was terminated by)

**Domain:**

E5 Event

**Range:**

ZE1 Institutional Fact

**Scope note:**

This property is used to connect the instance of event to the instance of institutional fact which it terminated the existence of by fiat thanks to its accordance to a socially defined norm. In this case the cancellation of an institutional fact need not be intentional or following any particular rule intentionally. Rather, within a social context it is recognized that the very fact of a particular event occurring is causal to the cancellation of the related social fact. For example, a certain social system may recognize that an 'act of god' such as an earthquake may terminate the property right of an individual over some object (another social system may not, however).

**Examples:**

- The crash landing of flight that left Clear Lake on February 3, 1959 (E5) *terminated* the Social Status Relation of 'collaborator of' between Buddy Holly and Richie Valens (ZE55)
- The end of Barack Obama's term as president (E7) *terminated* the Promissory Status of the promise to close Guantanamo Bay (ZE45)

## ZP113 has successor status (is successor status of)

**Domain:**

ZE1 Institutional Fact

**Range:**

ZE1 Institutional Fact

**Scope note:**

This property links one instance of institutional fact with another where the latter succeeds the former as a formal continuation.

**Examples:**

- The Swedish National Museum's Custodial Status of the G'psgolox totem pole (ZE7) *has successor status* the Haisla Eagle clan's Custodial Status of the G'psgolox totem pole (ZE7)
- The First French Republic's Property Right Status over the Louisiana territory (ZE30) *has successor status* the U.S. Federal Government's Property Right Status over the Louisiana territory (ZE30)

## ZP114 has geographic scope (is geographic scope of)

**Domain:**

ZE1 Institutional Fact

**Range:**

E53 Place

**Scope note:**

This property is used to connect an institutional fact to a place, which defines the scope of that facts spatial validity.

**Examples:**

- The appellative status of the name 'Gulf of Mexico' (ZE2) *has geographic scope* Mexico (E53)
- The appellative status of the name 'Gulf of America' (ZE2) *has geographic scope* The United States of America (E53)

## ZP115 holds over (is held over by)

**Domain:**

ZE1 Institutional Fact

**Range:**

ZE37 Population

**Scope note:**

This property associates and instance of institutional fact to an instance of population over which this fact holds. As opposed to the property of ZP4 holding for, the effect which this institutional fact holds in relation to the related population is not necessarily one which has been directly intended. The population undergoes the social fact instantiated, rather than causing it to occur directly through agency in a speech act or transformative act. The population is the patient of this operation, not its agent.

**Examples:**

- The Social Status of 'Enslaved Person' (ZE6) *holds over* Tayegaza (E21)

- The Promissory Status to recognize the Black Hills as part of the Great Sioux Reservation (ZE45) *holds over* the American people (ZE39)

## **ZP116 ascribes authority status relation (is authority status relation ascribed by)**

**Domain:**

ZE50 Authority Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific manner in which the type of authority status which is indicated as holding for the subject pertains to this subject.

**Examples:**

- The Authority Status of Auguste Escoffier (ZE50) *ascribes authority status relation* 'has type' (E55)
- The Authority Status of Dwight Eisenhower (ZE50) *ascribes authority status relation* 'has type' (E55)

## **ZP117 generated promise to (was promisee in)**

**Domain:**

ZE46 Promissory Agreement Event

**Range:**

ZE36 Persons

**Subproperty of:**

E5 Event:P11 had participant (participated in):E39 Actor

**Scope note:**

This property is used to indicate the persons to whom a promise is made, when two parties reach a promissory agreement.

**Examples:**

- The signing of the Treaty of Fort Laramie (ZE46) on April 29, 1868, *generated promise to* the Sioux Nation (E74)
- The promise of Barack Obama (ZE46) *generated promise to* the American people (ZE39)

## **ZP118 generated promise upon (was promisor in)**

**Domain:**

ZE46 Promissory Agreement Event

**Range:**

E39 Actor

**Subproperty of:**

E7 Activity:P14 carried out by (performed):E39 Actor

**Scope note:**

This property is used to indicate the actor upon whom an obligation is generated when two parties reach a promissory agreement.

**Examples:**

- The signing of the Treaty of Fort Laramie (ZE46) on April 29, 1868, *generated promise upon* the Federal Government of the United States of America (E74)
- The promise of Barack Obama (ZE46) *generated promise upon* Barack Obama (E21)

## **ZP119 ascribes event location relation (is event location relation ascribed by)**

**Domain:**

ZE60 Evental Locative Status

**Range:**

E55 Type

**Subproperty of:**

ZE1 Institutional Fact:ZP3 ascribes intentional relation (is intentional relation ascribed by):E55 Type

**Scope note:**

This property is used to indicate the specific type of event locative status which is indicated as holding between the subject event and its ascribed place.

**Examples:**

- The Evental Locative Status of the 21 May 2014 Russian attack on the Ukrainian ship Zaporizhzhia (ZE60) *ascribes event location relation* 'took place at' (E55)
- The Evental Locative Status of a (fictional) murder on the Øresund bridge connecting Denmark and Sweden (ZE60) *ascribes event location relation* 'took place at' (E55)

## **ZP120 has event location subject (is event location subject of)**

**Domain:**

ZE60 Evental Locative Status

**Range:**

E5 Event

**Subproperty of:**

ZE1 Institutional Fact:ZP1 has intentional subject (is intentional subject of):E1 CRM Entity

**Scope note:**

This property is used to indicate the event which has been ascribed a place.

**Examples:**

- The Evental Locative Status of the 21 May 2014 Russian attack on the Ukrainian ship Zaporizhzhia (ZE60) *ascribes event location subject* the Russian attack (E7)
- The Evental Locative Status of a (fictional) murder on the Øresund bridge connecting Denmark and Sweden in the Scandi Noir series 'The Bridge' (ZE60) *ascribes event location subject* murder (E7)

## ZP121 involved (was involved in)

**Domain:**

E5 Event

**Range:**

ZE36 Persons

**Subproperty of:**

E5 Event:P12 occurred in the presence of (was present at):E77 Persistent Item

**Scope note:**

This property describes the passive involvement of instances of ZE39 Persons in an instance of E5 Event.

**Examples:**

- The sinking of RMS Titanic (E5) *involved* the passengers on board (ZE37)
- The Montgomery Bus Boycott (E7) *involved* Rosa Parks (E21)