###### F4 Manifestation Singleton

*We may get rid of this* [Chryssoula's annotation on April 6th, 2017]

Subclass of: [E24](#_E24_Physical_Man-Made_1) Physical Man-Made Thing

Superclass of: Z9 Storage Unit

Scope note: This class comprises physical objects that each carry an instance of F2 Expression, and that were produced as unique objects, with no siblings intended in the course of their production. It should be noted that if all but one copy of a given publication are destroyed, then that copy does not become an instance of F4 Manifestation Singleton, because it was produced together with sibling copies, even though it now happens to be unique. Examples of instances of F4 Manifestation Singleton include manuscripts, preparatory sketches and the final clean draft sent by an author or a composer to a publisher.

In some cases, the handwritten annotations on a printed exemplar of a publication, which would normally be modelled as an instance of F5 Item, can be regarded as more important than the published content of that printed exemplar, to the point that the physical object is analysed as a manuscript in its own right, and therefore as an instance of F4 Manifestation Singleton, rather than (or in addition to) F5 Item.

Examples: The manuscript known as ‘The Book of Kells’

The manuscript score of Charles Racquet’s ‘Organ fantasy’, included in Marin Mersenne’s personal copy of his own ‘Harmonie universelle’ [Marin Mersenne planned a second edition of his ‘Harmonie universelle’ after it had been first published in 1636, and he asked the composer Charles Racquet to compose his organ fantasy especially for that planned second edition; but Mersenne died before he could finish and publish the second edition and Racquet’s score remained until the 20th century as a manuscript addition to Mersenne’s copy, held in Paris by the Library of the Conservatoire national des arts et métiers]

Marin Mersenne’s personal copy, held in Paris by the Library of the Conservatoire national des arts et métiers, of his own ‘Harmonie universelle’, containing all of his manuscript additions for a planned second edition that never took place before his death, but that served as a basis for the modern reprint published in 1986

The prompt book for performances of George Frideric Handel's opera 'Radamisto', 1720, now held in London by the Victoria and Albert Museum, Museum no. S.501-1985 (an annotated copy of a printed edition of the libretto, in which the significance of the annotations justifies the qualification of the holding as a unique manuscript)

[*I don't think we need specific properties between F4 Manifestation Singleton – if it is kept in the model – and Fn Storage Unit; an instance of F4 Manifestation Singleton can either P46 be composed of an instance of Fn Storage Unit, or P46i form part of Fn Storage Unit (or be equal to it); I think the CIDOC CRM property P46 is composed of (forms part of) is sufficient (unless we need a specific property for the equivalence relationship between a manifestation singleton and a storage unit)*]

***F5 Item***

*We may distinguish items that are compatible with the manistation and items that are not* [Chryssoula's annotation on April 6th, 2017]

Subclass of: [F54](#_F54_Utilized_Information) Utilised Information Carrier

Scope note: This class comprises physical objects (printed books, scores, CDs, DVDs, CD-ROMS, etc.) that were produced by (P186i) an industrial process involving a given instance of Fn Manifestation. As a result, all the instances of F5 Item associated with a given instance of Fn Manifestation are expected to carry the content defined in that instance of Fn Manifestation, although some or even all of them may happen to carry a content that significantly differs from it, due to either an accident in the course of industrial production, or subsequent physical degradation.

Examples: Marin Mersenne’s personal copy of his own ‘Harmonie universelle’ without any manuscript addition and without Charles Racquet’s manuscript score, as a mere witness of the 1st edition of ‘Harmonie universelle’, Paris, 1636 [the same physical object can be regarded at the same time as an instance of F5 Item inasmuch as it is a witness of a publication, and as an instance of F4 Manifestation Singleton inasmuch as it contains manuscript annotations and additions and as it served as the basis for a subsequent production process]

Any other copy of the original edition of Marin Mersenne’s ‘Harmonie universelle’, Paris, 1636

Any copy of the modern reprint publication of Marin Mersenne’s ‘Harmonie universelle’, Paris, 1986, ISBN ‘2-222-00835-2’

Properties: [R7](#_R7_is_example) is example of (has example): [F3](#_F3_Manifestation_Product) Manifestation Product Type

[*I don't think we need specific properties between F5 Item and Fn Storage Unit; an instance of F5 Item can either P46 be composed of an instance of Fn Storage Unit, or P46i form part of Fn Storage Unit (or be equal to it); I think the CIDOC CRM property P46 is composed of (forms part of) is sufficient (unless we need a specific property for the equivalence relationship between an item and a storage unit)*]

***Fn Storage Unit***

Subclass of: [F4](#_F4_Manifestation_Singleton) Manifestation Singleton

Scope note: This class comprises unique combinations of instances of E18 Physical Thing that are bound together, or otherwise physically united, for the sake of preservation, and are communicated to library users as single, indivisible units. The individual components of a given instance of Z9 Storage Unit are generally instances of F4 Manifestation Singleton and/or F5 Item, but the binding itself that holds them together can be a valuable piece of cultural heritage that is worth describing for its own sake. Z9 Storage Unit makes it possible to account indifferently for the description of the various materials (printed or manuscript or of any other type) that make up a holding, and of the binding (or any other type of device, e.g. a box, a casket, etc.) that was produced for that holding, if needed.

An instance of Fn Storage Unit can be either larger than an instance of F5 Item (if it contains an instance of F5 Item plus something else, e.g. another instance of F5 Item, or dried flowers), or smaller than an instance of F5 Item (if it results from the decomposition of an instance of F5 Item into separate physical units, e.g. a printed copy in one volume that was transformed into three interleaved volumes, or a 2 CD box of which only 1 CD was kept).

Examples: The physical storage unit held by the BnF and containing under one binding exemplars of Vol. 307, No. 1 (January 2011) through Vol. 308, No. 5 (December 2011) of the periodical entitled ‘The Atlantic Monthly’ (ISSN ‘1072-7825’)

The physical storage unit held by the BnF and containing, under one binding with the arms of Madame de Pompadour, exemplars of volumes 3 and 4 (1674) of the periodical entitled ‘Le Mercure galant’

The physical storage unit held by the BnF and containing, in one box, printed exemplars of volumes 1 to 6 (1930-33) of the periodical entitled ‘Le Surréalisme au service de la révolution’, together with holograph manuscripts by André Breton, Louis Aragon, Salvador Dalí, René Char, Max Ernst, and others (both the box and the individual bindings were created by bookbinder and craftsman Renaud Vernier in 2006)

The physical storage unit held by the New York Public Library, in the Pforzheimer Collection, and containing, bound together: part I only of 'The works of Percy Bysshe Shelley, with his life: in two volumes' (published in London by John Ascham, 1834); an extract from Ebenezer Elliot's 'The splendid village' (published in London by B. Steill, 1833 or 1834); a copy of 'Sixpennyworth of truth, good measure' (published in London by W. Strange, 1836); and a copy of 'The songs, &c. delivered in the entertainment of Henry Russell' (published in London by G.H. Davidson, ca. 1850)

The physical storage unit held by the BnF under shelf mark LJ Y-867 (35), and containing the fourth part of volume 7 of Molière's complete works as published in Paris by Garnier frères in 1863-1864 (this publication was issued as 7 volumes; the artist Jacques Leman (1829-1889), who was preparing an illustrated edition of Molière's plays, subdivided the 7 volumes of his exemplar into 35 distinct interleaved volumes, so as to make drawings in front of chosen scenes)

The physical storage unit held by the Houghton Library (Harvard University, Harvard College Library) under shelf mark MS Typ 1122 (73), and consisting of a box that contained Edward Gordon Craig's proofs for the Cranach Presse edition of Shakespeare's 'Hamlet'

[*No need for specific properties; all properties declared for E18 Physical Thing in CIDOC CRM are sufficient to account for Z9/Fn Storage Unit*]

***F33 Reproduction Event***

Subclass of: [E12](#_E12_Production_) Production

Scope note: This class comprises activities that consist in producing items of a new instance of Fn Manifestation that preserve both the content and layout found on items of a pre-existing instance of Fn Manifestation. The individual instance or instances of F5 Item that was or were used as a source for this process may be precisely identified or not. Such activities result in products known as facsimiles, reproductions, reprints, reissues, or new releases.

Examples: The 2014 publication of Daniel Wilson's 'Caliban: the missing link' by Cambridge University Press (a facsimile edition of the 1873 publication by Macmillan)

The 2015 publication of Harry Partch's 'Two studies on ancient Greek scales' by Schott (which reproduces Harry Partch's holograph manuscript)

Properties**:**

[R30](#_R30_produced_(was) produced (was produced by): Fn Manifestation

Rn reproduced object: E84 Information Carrier

Rn reproduced publication: Fn Manifestation

***F53 Material Copy***

Subclass of: [F54](#_F54_Utilized_Information) Utilised Information Carrier

[E25](#_E25_Man-Made_Feature) Man-Made Feature

Scope note: This class comprises the features created on an instance of E84 Information Carrier when an instance of Fn Manifestation is copied to it by an F32 Carrier Production Event. This is the typical result of an electronic publishing process.

Examples: The physical features created on my PC’s hard drive when I clicked on the link <http://cidoc.ics.forth.gr/docs/cidoc\_crm\_version\_4.0.pdf>, and thus downloaded a reproduction of the electronic file titled ‘Definition of the CIDOC Conceptual Reference Model… version 4.0’ that is stored on the ICS FORTH’s servers in Heraklion, Crete

***F54 Utilised Information Carrier***

Subclass of: [E84](#_E84_Information_Carrier_) Information Carrier

Superclass of: [F53](#_F53_Material_Copy) Material Copy

[F5](#_F5_Item_1) Item

Scope note: This class comprises physical objects that carry one or more instances of Fn Manifestation.

Examples: The physical features created on my PC’s hard drive when I clicked on the link <<http://cidoc.ics.forth.gr/docs/cidoc_crm_version_4.0.pdf>>, and thus downloaded a reproduction of the electronic file titled ‘Definition of the CIDOC Conceptual Reference Model… version 4.0’ that is stored on the ICS FORTH’s servers in Heraklion, Crete (F53)

Any copy of the modern reprint publication of Marin Mersenne’s ‘Harmonie universelle’, Paris, 1986, ISBN ‘2-222-00835-2’ (F5)

Properties: [R6](#_R6_carries_(is) carries (is carried by): Fn Manifestation

[*Should we deprecate this class? There is nothing now in its new Scope note that distinguishes it from F5 Item.*]

***F12 Nomen***

Subclass of: [E41](#_E41_Appellation_3) Appellation

Scope note: This class comprises associations between an instance of any class, and signs or arrangements of signs following a specific syntax (sequences of alphanumeric characters, chemical structure symbols, sound symbols, ideograms etc.) that are used or can be used to refer to and identify that instance. The scripts or type sets for the types of symbols used to compose an instance of F12 Nomen have to be explicitly specified. Spelling variants are regarded as different nomina, whereas the use of different fonts (visual representation variants) or different digital encodings do not change the identity.

An arbitrary combination of signs or symbols cannot be regarded as an appellation or designation until it is associated with something in some context. In that sense, the F12 Nomen class can be understood as the reification of a relationship between an instance of E1 CRM Entity and an instance of E62 String. Two instances of F12 Nomen can happen to be associated with two identical instances of E62 String and yet remain distinct, as long as they either refer to distinct instances of E1 CRM Entity, or as long as they are associated with distinct instances of other classes through one or more than one of the other properties of the F12 Nomen class (while referring to the same instance of E1 CRM Entity).

An instance of F12 Nomen associates a combination of signs with an instance of E1 CRM Entity on the basis of a cultural or linguistic convention: by associating a nomen string with anything, the instance of F12 Nomen establishes a meaning that is not inherent in the instance of E62 String that is associated with it. Depending on context of use, nomens associated with identical strings can involve instances of different things in the real world even within the same language (polysemy and homonymy). Conversely, the same thing can be referred to through any number of nomens (synonymy). In the controlled environment of a bibliographic information system, though, synonymy is avoided and the instances of E62 String associated with a given instance of F12 Nomen would generally be disambiguated, so that each nomen string is associated with only one instance of E1 CRM Entity within the specific scheme.

The identity of an instance of F12 Nomen is determined by the combination of the thing it refers to, the choice and order of the symbols used within the instance of E62 String that represents it, and the specific instances of the various classes with which it is associated through all other properties of the F12 Nomen class. Variation in the symbols used (such as transliteration into another script) or variation in their ordering usually results in a distinct instance of F12 Nomen, but variation in the visual representation of the symbols present in the instance of E62 String that represents the instance of F12 Nomen (such as different fonts that may be used to present alpha-numeric or character strings) does not result in a different nomen string.

Instances of F12 Nomen are assigned and associated with instances of E1 CRM Entity either formally (such as by bibliographic agencies) or informally through common usage. When they are assigned formally, the construction of the instances of E62 String that represent them may follow predetermined rules.

The act of naming something may involve the combination of various symbolic objects, which may be instances of F12 Nomen in their own right, and therefore refer to distinct instances of E1 CRM Entity, or just be used as qualifiers. A frequent example is provided by the tradition consisting of naming persons by juxtaposing a given name (such as 'John'), and a last name (such as 'Smith') which is shared by all members of the same family. The given name alone can be sufficient to refer unambiguously to a given individual in a given context, but not in a wider context, in which the combination of given name plus last name proves necessary. Similarly, the combination of given name plus last name may be ambiguous in an even wider context, in which case the need for further qualifiers (such as a nickname, or, in the context of bibliographic control, dates and statement of occupation) can be felt. An instance of F12 Nomen can therefore be decomposed into further reifications that refer to distinct things through distinct strings, and/or instances of E90 Symbolic Object that serve merely as qualifiers and do not refer to anything in particular.

Examples: ‘杜甫’ [the name of a Chinese poet of the 8th century, in simplified Chinese characters]

‘Du Fu’ [Pinyin romanised form of the name of a Chinese poet of the 8th century]

‘Tu Fu’ [another romanised form of the name of a Chinese poet of the 8th century]

‘Thơ Ðô Phủ’ [Vietnamese form of the name of a Chinese poet of the 8th century]

‘**جامعة صفاقس**’ [Arabic name of the Sfax University (Tunisia), in Arabic script]

‘Ğāmi‘at̀̀ Ṣafāqis’ [Arabic name of the Sfax University (Tunisia), transliterated]

‘Université de Sfax’ [French name of the Sfax University (Tunisia)]

‘3-[(2S)-1-methylpyrrolidin-2-yl]pyridine’ [the IUPAC systematic name for nicotine]

‘Murders in the rue Morgue’ [English title of a textual work]

‘Poe, Edgar Allan, 1809-1849. Murders in the rue Morgue’ (F50) [controlled author/title access point for a textual work]

‘modelling’ [not the activity, just the written signs that represent its English name in British spelling]

‘modeling’ [not the activity, just the written signs that represent its English name in American spelling]

‘Maxwell equations’ [preferred subject access point from LCSH, http://lccn.loc.gov/sh85082387, as of 19 November 2012]

‘Equations, Maxwell’ [variant subject access point, from the same source]

‘Gončarova, Natalʹâ Sergeevna (1881-1962)’ [preferred access point for a personal name, from the authority file of the National Library of France, http://catalogue.bnf.fr/ark:/12148/cb119547494/PUBLIC, as of 15 June 2012]

‘Гончарова, Наталья Сергеевна (1881-1962)’ [parallel access point from the same source]

‘Goncharova, Natalia (1881-1962)’ [variant access point from the same source]

Properties**:** [R33](#_R33_has_content) has content: [E62](#_E62_String) String

***F35 Nomen Use Statement***

Subclass of:

[E29](#_E29_Design_or_) Design or Procedure

Scope note: This class comprises statements relating an instance of E1 CRM Entity with a particular instance of F12 Nomen and its usage in a given context.

Examples: 'Definition of 'poison''…'1. variable noun: Poison is a substance that harms or kills people or animals if they swallow it or absorb it.' [Part of the definition of the English term 'poison' from the Collins English dictionary, <https://www.collinsdictionary.com/dictionary/english/poison>, as of 2 December 2017]

‘010 **\_\_** |a sh 85082387’…‘150 \_\_**|a** Maxwell equations’ [MARC 21 encoding of the preferred subject access point from LCSH, <http://lccn.loc.gov/sh85082387>, as of 19 November 2012]

‘010 **\_\_** |a sh 85082387’…‘450 \_\_ |aEquations, Maxwell’ [MARC 21 encoding of a variant subject access point, from the same source]

‘PTBNP|20891’…‘200 1‎‡a Whitman,‏ ‎‡b Walt,‏ ‎‡f 1819-1892‏’ [UNIMARC encoding of the preferred access point for a personal name, from the authority file of the National Library of Portugal, as found on VIAF, <http://www.viaf.org/processed/PTBNP%7C20891>, on 28 September 2015]

‘001  FRBNF119547493’…‘100  w.0..barus.$aGončarova$mNatalʹâ Sergeevna$d1881-1962’ [INTERMARC encoding of the preferred access point for a personal name, from the authority file of the National Library of France, [http://catalogue.bnf.fr/ark:/12148/cb119547494/ INTERMARC](http://catalogue.bnf.fr/ark:/12148/cb119547494/INTERMARC), as of 15 June 2012]

‘001  FRBNF119547493’…‘100  w.0..c.rus.$aГончарова$mНаталья Сергеевна$d1881-1962’ [INTERMARC encoding of a parallel access point from the same source]

‘001  FRBNF119547493’…‘400  $w....b.eng.$aGoncharova$mNatalia$d1881-1962’ [INTERMARC encoding of a variant access point from the same source]

‘<eac-cpf […]> <control> <recordId>beinecke.7h44jbj</recordId> […] </control>’ … ‘<cpfDescription> <identity> <entityType>family</entityType> <nameEntry xml:lang="eng" scriptCode="Latn"><part localType="100a">Boswell family</part> […] </nameEntry> […] </identity> </cpfDescription> […] </eac-cpf>’ [EAC encoding of the preferred access point for a family]

Properties**:** [R32](#_R32_is_warranted) is warranted by (warrants): [F52](#_F52_Name_Use_Activity) Name Use Activity

[R35](#_R35_is_specified) is specified by (specifies): [F34](#_F34_KOS) KOS

(R35.1 has status: [E55](#_E55_Type_) Type)

[R36](#_R36_uses_script) uses script conversion (is script conversion used in): [F36](#_F36_Script_Conversion) Script Conversion

[R37](#_R37_states_as) states as nomen (is stated as nomen in): [F12](#_F12_Nomen) Nomen

[R38](#_R38_refers_to_thema_(is_thema_of)) refers to thema (is thema of): [E1](#_E1_CRM_Entity_) CRM Entity

[R39](#_R39_is_intended) is intended for (is target audience in): [E74](#_E74_Group_) Group

[R54](#_R54_has_nomen) has nomen language (is language of nomen in): [E56](#_E56_Language_1) Language

[R55](#_R55_has_nomen) has nomen form (is nomen form in): [E55](#_E55_Type_) Type

[R56](#_R56_has_related) has related use (is related use for): [F35](#_F35_Nomen_Use_Statement) Nomen Use Statement

(R56.1 has type: [E55](#_E55_Type_) Type)

***F52 Name Use Activity***

Subclass of: [E13](#_E18_Physical_Thing_) Attribute Assignment

Scope note: This class comprises periods of continuous use of a specific instance of E41 Appellation for a particular instance of E1 CRM Entity by an E39 Actor. It includes in particular the use of the name by its carrier. Characteristically, actors performing an activity may choose a particular appellation for themselves in the context of this activity. Such cases should be modelled by additionally classifying these activities as instances of F52 Name Use Activity.

It is possible to specify the type of name use, through the *P2 has type* property, e.g.: use of a pseudonym, use of a married name, use of a birth name, use of a blended name, use of a religious name, etc.

Examples: Using the pseudonym ‘Prince’ until 1993, and again from 2000 on

Using the pseudonym ‘Love Symbol’ from 1993 to 2000

Using the pseudonym ‘Lewis Carroll’ when authoring works of fiction (*P2 has type* E55 Type {use of a pseudonym})

Using the name ‘Charles Dodgson’ when authoring works of mathematics and logics (*P2 has type* E55 Type {use of a birth name})

Using the name ‘Mother Teresa’ instead of ‘Agnes Gonxha Bojaxhiu’ when becoming head of the Missionaries of Charity (*P2 has type* E55 Type {use of a religious name})

Using the name ‘Elizabeth Barrett Browning’ instead of ‘Elizabeth Barrett Barrett’ after marrying Robert Browning (*P2 has type* E55 Type {use of a married name})

Using the name ‘Antonio Villaraigosa’ instead of ‘Antonio Villar’ after marrying Corina Raigosa (*P2 has type* E55 Type {use of a blended name}) [*comment:* when former mayor of Los Angeles Antonio Villar and Corina Raigosa got married in 1987, the two spouses decided they would merge their two last names into one]

Properties**: R45 assigned to (was assigned by): E1 CRM Entity**

[R61](#_R61_occurred_in) occurred in kind of context (was kind of context for): [E55](#_E55_Type_) Type

[R62](#_R62_was_used) was used for membership in (was context for): [E74](#_E74_Group_) Group

[R63](#_R63_named_(was) named (was named by): [E1](#_E1_CRM_Entity_) CRM Entity

[R64](#_R64_used_name) used name (was name used by): [E41](#_E41_Appellation_3) Appellation

***R7 is example of (has example)***

Domain: [F5](#_F5_Item_1) Item

Range: Fn Manifestation

Subproperty of: [E1](#_E1_CRM_Entity_) CRM Entity. [P2](#_P2_has_type_) has type (is type of): [E55](#_E55_Type_) Type

Quantification: (1,1:0,n)

Scope note: This property associates a publication with one of its exemplars.

It is a shortcut of the more developed path: F5 Item *R28i was produced by* F32 Carrier Production *R26 produced things of type (was produced by):* F3 Manifestation Product Type.

Examples: The item held by the National Library of France and identified by shelf mark ‘Res 8 P 10’ (F5) *R7 is example of* the edition of Amerigo Vespucci’s textual and cartographic work entitled ‘Mundus novus’ issued in Paris ca. 1503-1504 (F3)

***Rn reproduced object (was object reproduced by)***

Domain: [F33](#_F41_Publication_Expression) Reproduction Event

Range: [E84](#_E84_Information_Carrier_) Information Carrier

Subproperty of: [E7](#_E7_Activity_) Activity. [P16](#_P16__used_) used specific object (was used for): [E70](#_E70_Thing_1) Thing

Quantification: (1,n:0,n)

Scope note: This property associates an instance of F33 Reproduction Event with an instance of E84 Information Carrier it reproduces.

Examples: The activity performed by Schott when producing the 2015 publication of Harry Partch's 'Two studies on ancient Greek scales' *Rn reproduced object* Harry Partch's holograph manuscript of 'Two studies on ancient Greek scales'

***Rn reproduced publication (was publication reproduced by)***

Domain: [F33](#_F41_Publication_Expression) Reproduction Event

Range: Fn Manifestation

Subproperty of: [E7](#_E7_Activity_) Activity. P125 used object of type (was type of object used in): E55 Type

Quantification: (1,n:0,n)

Scope note: This property associates an instance of F33 Reproduction Event with an instance of Fn Manifestation it reproduces.

Examples: The activity performed by Cambridge University Press when producing the 2014 publication of Daniel Wilson's 'Caliban: the missing link' *Rn reproduced publication* the 1873 publication of Daniel Wilson's 'Caliban: the missing link' by Macmillan

***R30 produced (was produced by)***

Domain: [F33](#_F33_Reproduction_Event) Reproduction Event

Range: Fn Manifestation

Subproperty of: [E12](#_E12_Production_) Production. P186 produced thing of product type (is produced by): E99 Product Type

Quantification: (1,n:0,1)

Scope note: This property associates an instance of F33 Reproduction Event with an instance of Fn Manifestation it produces.

Examples: The activity performed by Macmillan when making a facsimile edition of the 1873 publication of Daniel Wilson's 'Caliban: the missing link' by Macmillan (F33) *R30 produced* the 2014 publication of Daniel Wilson's 'Caliban: the missing link' by Cambridge University Press (F33)

The activity performed by Schott when producing an edition that reproduces Harry Partch's holograph manuscript of 'Two studies on ancient Greek scales' (F33) *R30 produced* the 2015 publication of Harry Partch's 'Two studies on ancient Greek scales' by Schott (F33)

***R33 has content***

Domain: [F12](#_F13_Name) Nomen

Range: [E62](#_E62_String) String

Subproperty of: [E1](#_E1_CRM_Entity_) CRM Entity. [P3](#_P3_has_note) has note: [E62](#_E62_String) String

Quantification: (1,n:0,n)

Scope note: This property associates an instance of F12 Nomen with a sign or arrangement of signs that is used to refer to something through that instance of F12 Nomen.

Examples: The English term ‘poison’ in written form in the Latin alphabet (F12) *R33* *has content* the letters p, o, i, s, o, n with no intervening space (E62)

The English term ‘poison’ notated in the International Phonetic Alphabet (F12) *R33 has content* the string of characters ['pɔɪzən] (E62)

The French term ‘poison’ in written form in the Latin alphabet (F12) *R33* *has content* the letters p, o, i, s, o, n with no intervening space (E62)

The French term ‘poison’ notated in the International Phonetic Alphabet (F12) *R33* *has content* the string of characters [pwa'zɔ̃] (E62)

Properties: R33.1 has encoding: [E55](#_E55_Type_) Type

***R8 combines (is combined to form)***

Domain: F12 Nomen

Range: [E90](#_E90_Symbolic_Object) Symbolic Object

Subproperty of: [E90](#_E90_Symbolic_Object) Symbolic Object. [P106](#_P106_is_composed_) is composed of (forms part of): [E90](#_E90_Symbolic_Object_1) Symbolic Object

Quantification: (0,n:0,n)

Scope note: This property associates an instance of F12 Nomen with one of the non-syntactic instances of E90 Symbolic Object which are combined to form it.

Examples: The English term 'starfish' (F12) [an instance of F12 Nomen that refers to echinoderms] *R8 combines* the English term 'star' (F12) [an instance of F12 Nomen that refers to celestial bodies], and *R8 combines* the English term 'fish' (F12) [an instance of F12 Nomen that refers, in its looser sense, to animals that live exclusively in water]

Controlled access point ‘The Adoration of the Shepherds (Coventry)’ (F12) *R8 combines* ‘The Adoration of the Shepherds’ (F12) [a title, i.e., an instance of F12 Nomen that refers to a work], and *R8 combines* ‘Coventry’ (F12) [an instance of F12 Nomen that refers to a place]

Controlled access point ‘Guillaume, de Machaut, ca. 1300-1377’ (F12) *R8 combines* ‘Guillaume’ (E90) [a given name], *R8 combines* ‘Machaut’ (F12) [an instance of F12 Nomen that refers to a place], and *R8 combines* ‘ca. 1300-1377’ (F12) [an instance of F12 Nomen that refers to a time-span]

Controlled access point ‘Univerza v Ljubljani. Oddelek za bibliotekarstvo’ (F12) *R8 combines* ‘Univerza v Ljubljani’ (F12) [an instance of F12 Nomen that refers to a corporate body], and *R8 consists of* ‘Oddelek za bibliotekarstvo’ (F12) [an instance of F12 Nomen that refers to another corporate body, affiliated to the former]

ISBN ‘978-002-002-0’ (F12) *R8 combines* ‘978’ (E90) [an instance of E90 Symbolic Object indicating the Nigerian ISBN Agency], *R8 combines* ‘002’ (E90) [an instance of E90 Symbolkic Object indicating the Nigerian Institute of International Affairs], *R8 combines* ‘002’ (E90) [an instance of E90 Symbolic Object used for the publication entitled ‘Nigeria’s international economic relations’], and *R8 combines* ‘0’ (E90) [an instance of E90 Symbolic Object that constitutes the control character for this ISBN]

***R37 states as nomen (is stated as nomen in)***

Domain: [F35](#_F35_Nomen_Use) Nomen Use Statement

Range: [F12](#_F13_Name) Nomen

Subproperty of: [E89](#_E89_Propositional_Object) Propositional Object. [P67](#_P67_refers_to) refers to (is referred to by**):** [E1](#_E1_CRM_Entity_) CRM Entity

Quantification: (1,1:0,n)

Scope note: This property associates an instance of F35 Nomen Use Statement with the instance of F12 Nomen for which it declares usage.

Examples: ‘Definition of 'poison' ’…‘1. variable noun: Poison is a substance that harms or kills people or animals if they swallow it or absorb it.’ [Part of the definition of the English term 'poison' from the Collins English dictionary, <https://www.collinsdictionary.com/dictionary/english/poison>, as of 2 December 2017] *R37 states as nomen* the English term 'poison' (F12)

‘PTBNP|20891’…‘200 1‎‡a Whitman,‏ ‎‡b Walt,‏ ‎‡f 1819-1892‏’ [an instance of F35 Nomen Use Statement in UNIMARC format] (F35) *R37 states as nomen* ‘Whitman, Walt (1819-1892)’ (F12)

‘001  FRBNF120864715’…‘100  $w.0..ba....$aDu$mFu$d0712-0770’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R37 states as nomen* ‘Du, Fu (0712-0770)’ (F12)

‘001  FRBNF119547493’…‘100  w.0..barus.$aGončarova$mNatalʹâ Sergeevna$d1881-1962’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R37 states as nomen* ‘Gončarova, Natalʹâ Sergeevna (1881-1962)’ (F12)

‘010 \_\_ |a n 79021736’…‘400 1\_**|**aПруст, Марсель, **|**d1871-1922’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R37 states as nomen* ‘Пруст, Марсель, 1871-1922’ (F12)

‘010 \_\_ |a sh 85074230’…‘150\_\_ |a Lamniformes’ [an instance of F35 Nomen Use Statement in MARC 21 format] (F35) *R37 states as nomen* ‘Lamniformes’ (F12)

‘010 \_\_ |a sh 85074230’…‘053 \_0 |a QL638.94.L36 |c Zoology’ [an instance of F35 Nomen Use Statement in MARC 21 format] (F35) *R37 states as nomen* the Library of Congress classification number ‘QL638.94.L36’ (F12)

‘ID: 300024668’…‘navaja (C,U,Spanish,UF,U,SN)’ *R37 states as nomen* ‘navaja’(F12) (“used for” term, Getty Art & Architecture Thesaurus Online, retrieved 19/11/2012)

‘ID: 7010879’…‘Candia (H,V,Greek (transliterated),U) ….Venetian corruption of Arabic name, used from 13th cen.’ *R37 states as nomen* ‘Candia’ (F12) (“historical term”, Getty Thesaurus of Geographic Names Online, retrieved 19/11/2012)

‘ID: 7010879’…‘Ērakleion (NA,V,Greek (transliterated),U)’ *R37 states as nomen* ‘Ērakleion’ (F12) (“not-applicable term”, Getty Thesaurus of Geographic Names Online, retrieved 19/11/2012)

‘<eac-cpf […]> <control> <recordId>beinecke.7h44jbj</recordId> […] </control>’ … ‘<cpfDescription> <identity> <entityType>family</entityType> <nameEntry xml:lang="eng" scriptCode="Latn"><part localType="100a">Boswell family</part> […] </nameEntry> […] </identity> </cpfDescription> […] </eac-cpf>’ [an instance of F35 Nomen Use Statement in EAC] (F35) *R37 states as nomen* ‘Boswell family’ (F12)

***R38 refers to thema (is thema of)***

Domain: [F35](#_F35_Nomen_Use) Nomen Use Statement

Range: [E1](#_E1_CRM_Entity_) CRM Entity

Is covered by shortcut: [E32](#_E32_Authority_Document) Authority Document. [*P71*](#_P71_lists_(is) *lists:* [E1](#_E1_CRM_Entity_) CRM Entity is shortcut of: [F34](#_F34_KOS) KOS. [*R35B*](#_R35_is_specified_by (specifies)) *specifies:* [F35](#_F35_Nomen_Use) Nomen Use Statement.[*R38*](#_R38_refers_to) *refers to thema*: [E1](#_E1_CRM_Entity_) CRM Entity

[*There is surely a better superproperty for R38 but I can't think of any one right now*]

Quantification: (1,1:0,n)

Scope note: This property associates an instance of F35 Nomen Use Statement with the instance of E1 CRM Entity for which it declares the usage of a nomen.

Examples: 'Definition of 'poison''…'1. variable noun: Poison is a substance that harms or kills people or animals if they swallow it or absorb it.' [Part of the definition of the English term 'poison' from the Collins English dictionary, <https://www.collinsdictionary.com/dictionary/english/poison>, as of 2 December 2017] *R38 refers to thema* any substance that harms or kills people or animals if they swallow it or absorb it (E18)

‘PTBNP|20891’…‘200 1‎‡a Whitman,‏ ‎‡b Walt,‏ ‎‡f 1819-1892‏’ [an instance of F35 Nomen Use Statement in UNIMARC format] (F35) *R38 refers to thema* the person who wrote the collection of poems titled ‘Leaves of Grass’ (E21=F10)

‘010 \_\_ |a sh 85109469’…‘150 \_\_**|a** Quantum theory’ [preferred subject access point from LCSH, in MARC 21 format, <http://lccn.loc.gov/sh85109469>, as of 15 June 2012] (F35) *R38 refers to thema* the branch of physics known as quantum theory (E28)

‘<eac-cpf […]> <control> <recordId>beinecke.7h44jbj</recordId> […] </control>’ … ‘<cpfDescription> <identity> <entityType>family</entityType> <nameEntry xml:lang="eng" scriptCode="Latn"><part localType="100a">Boswell family</part> […] </nameEntry> […] </identity> </cpfDescription> […] </eac-cpf>’ [an instance of F35 Nomen Use Statement in EAC] (F35) *R38 refers to thema* the family who held the barony of Auchinleck in Scotland from 1504 on (F39)

***R32 is warranted by (warrants)***

Domain: [F35](#_F35_Nomen_Use) Nomen Use Statement

Range: [F52](#_F52_Name_Use) Name Use Activity

Subproperty of: [E89](#_E89_Propositional_Object) Propositional Object. [P67](#_P67_refers_to) refers to (is referred to by**):** [E1](#_E1_CRM_Entity_) CRM Entity

Quantification: (0,n:0,n)

Scope note: This property associates an instance of F35 Nomen Use Statement with an instance of F52 Name Use Activity which provides evidence for the use of the particular nomen in the stated sense. The association between this name use activity and a source for it may be described by the property *P70 documents (is documented in)*.

Examples: The variant controlled access point in record n 79021736, tagged in MARC 21 format, ‘400 1\_**|a** Пруст, Марсель, **|d** 1871-1922’ found in the Library of Congress authorities as of 15 June 2012 (F35) *R32 is warranted by* the use of the name ‘Марсель Пруст’ in Cyrillic script (F52), for which evidence can be found in the publication referred to as ‘Andreev, L.G. Marselʹ Prust, 1968’ in the authority record established by the Library of Congress for Marcel Proust

The preferred access point in record sh 85109469, tagged in MARC 21 format, ‘150 \_\_**|a** Quantum theory’ found in the Library of Congress authorities as of 15 June 2012 (F35) *R32 is warranted by* the use of the phrase ‘quantum theory’ in the English language (F52), as attested to by references to the NASA and INSPEC thesauri in the authority record established by the Library of Congress

The preferred access point in record sh 85074230 in the LCSH authority file tagged in MARC 21 in the field ‘150\_\_ |a Lamniformes’ (F35) *R32 is warranted by* the use of the term ‘Lamniformes’ for mackerel sharks in the entry on page 51 of Fishes of the world by J.S. Nelson published in 1994 (F52)

The preferred access point in record n 85118480 in the Library of Congress name authority file as of 19 November 2012 tagged in MARC 21 in the field ‘110 2\_ |a Canadian Academic Centre in Italy’ (F35) *R32 is warranted by* the use of the name ‘Canadian Academic Centre in Italy’ on page 6 of the book ‘Lo Scavo di S. Giovanni di Ruoti ed il periodo tardoantico in Basilicata’ published in 1983

***R56 has related use (is related use for)***

Domain: [F35](#_F35_Nomen_Use) Nomen Use Statement

Range: [F35](#_F35_Nomen_Use) Nomen Use Statement

Subproperty of: [E29](#_E29_Design_or_) Design or Procedure. [P69](#_P69_is_associated) has association with (is associated with): [E29](#_E29_Design_or_) Design or Procedure

Quantification: (0,n:0,n)

Scope note: This property associates an instance of F35 Nomen Use Statement with another instance of F35 Nomen Use Statement which has a related use in some context, such as alternative, lexical variant, replacing former use etc. The property R56.1 allows for specifying the particular kind of the nomen use statement relationship.

Examples: ‘001  FRBNF122597517’…‘14506$w.1..b.fre.$aDu sublime’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R56 has related use* ‘001  FRBNF122597517’…‘14506$w.0..g.grp $aΠερὶ ὕπσους’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R56.1 has type* parallel form (E55)

‘001  FRBNF126866954’…‘100  $w.0..b.....$aTyrrell$mGeorge$d1861-1909’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R56 has related use* ‘001  FRBNF126866954’…‘466  $w....b     $aTyrell$oAffaire$g1907’ [an instance of F35 Nomen Use Statement in INTERMARC format] (F35) *R56.1 has type* variant access point for a personal name, intended to be displayed in a subject index only, and not in a personal names index (E55) [Explanation: in the INTERMARC format used at the National Library of France, tag 466 in an authority record for a person serves to introduce a topical term which is displayed as a variant form for the personal name in the subject index, but is not displayed in the name index]

‘010 \_\_ |a n 78004438’…‘110 2\_ |a International Federation of Library Associations and Institutions’ [an instance of F35 Nomen Use Statement in MARC 21 format] (F35) *R56 has related use* ‘010 \_\_ |a n 78004438’…‘410 2\_ |a IFLA’ [an instance of F35 Nomen Use Statement in MARC 21 format] (F35) *R56.1 has type* acronym (E55) (in MARC 21 field 410 serves as a reference to the accepted form which appears in field 110)

‘PTBNP|20891’…‘200 1‎‡a Whitman,‏ ‎‡b Walt,‏ ‎‡f 1819-1892‏’ (F35) *R56 has related use* ‘PTBNP|20891’…‘675 ‎‡a 820(73) Whitman, Walt.09‏ ‎‡v BN‏ ‎‡z por‏’ *R56.1 has type* has associated UDC number (in UNIMARC field 675 serves to associate a UDC number with the accepted form which appears in field 200)

‘<eac-cpf […]> <control> <recordId>beinecke.7h44jbj</recordId> […] </control>’ … ‘<cpfDescription> <identity> <entityType>family</entityType> <nameEntry xml:lang="eng" scriptCode="Latn"><part localType="100a">Boswell family</part> […] </nameEntry> […] </identity> </cpfDescription> […] </eac-cpf>’ [an instance of F35 Nomen Use Statement in EAC] (F35) *R56 has related use* ‘<eac-cpf […]> <control> <recordId>beinecke.7h44jbj</recordId> […] </control>’ … ‘<cpfDescription> <identity> <entityType>family</entityType> <nameEntry xml:lang="eng" scriptCode="Latn"> <part localType="400a">Buzwell family </part> […] </nameEntry> […] </identity> </cpfDescription> […] </eac-cpf>’ [an instance of F35 Nomen Use Statement in EAC] (F35) *R56.1 has type* alternative form (E55)

Properties: R56.1 has type: [E55](#_E55_Type_) Type

***R45 assigned to (was assigned by)***

Domain: F52 Name Use Activity

Range: [E1](#_E1_CRM_Entity_) CRM Entity

Subproperty of: [E13](#_E18_Physical_Thing_) Attribute Assignment. [P140](#_P140_assigned_attribute_1) assigned attribute to (was attributed by): [E1](#_E1_CRM_Entity_) CRM Entity

Quantification: (1,1:0,n)

Scope note: This property identifies the entity to which an actor, such as a bibliographic agency, assigned an instance of F12 Nomen.

Examples: Assigning the controlled access point ‘The Adoration of the Shepherds (Coventry)’ (F52) *R45 assigned to* the anonymous textual work otherwise simply known as ‘The Adoration of the Shepherds’ (F12) [assignment of an Identifier to a Work]

Assigning the controlled access point ‘Rite of spring (Choreographic Work: Bausch)’ (F52) *R45 assigned to* Pina Bausch’s choreographic work entitled ‘Rite of spring’ (F12) [assignment of an Identifier to a Work]

Assigning the controlled access point ‘King Kong (1933)’ (F52) *R45 assigned to* the motion picture directed in 1933 by Merian C. Cooper and Ernest B. Schoedsack, entitled ‘King Kong’ (F12) [assignment of an Identifier to a Work]

Assigning the controlled access point ‘Guillaume, de Machaut, ca. 1300-1377’ (F52) *R45 assigned to* Guillaume de Machaut (F12) [assignment of an Identifier to a Person]

Assigning the controlled access point ‘Univerza v Ljubljani. Oddelek za bibliotekarstvo’ (F52) *R45 assigned to* the Department for library science of the University of Ljubljana (F12) [assignment of an Identifier to a Corporate Body]