# MAPPING CRM → FRBR

Foreword to version 0, released on January 29th 2003:

This is the first draft version of a mapping from CRM to FRBR. It is intended to serve as a counterpart of the mapping from FRBR to CRM that was released by late December 2002. The aim is to test the robustness of both CRM and FRBR, and to test their potential interoperability. A more specific use of this mapping could be to ensure that CRM-compliant descriptions of museum or library materials could be understood in FRBR terms and automatically converted into entries in a library catalogue, or to display museum and library catalogue entries on the same OPAC (provided the museum catalogue is CRM-compliant and the library catalogue is FRBR-compliant).

In the "traditional" bibliographic universe, information is split into "bibliographic records" and "authority records". FRBR only deals with bibliographic records and FRANAR will deal with authority records. There is no such separation in CRM and all elements of interest in the museum universe of discourse are handled by CRM. Until FRANAR is finished and made public and the whole "bibliographic universe" is covered by the "FRBR+FRANAR" model, this mapping is necessarily incomplete; hence the mention "Out of scope of FRBR; pertains to the scope of FRANAR" for a number of properties.

This mapping is based on version 3.4 of CRM.

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.1. Work |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.2.1. Title of the Work |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Work] AND E41 IS INSTANTIATED BY E35 Title, THEN | *(General Comment on P1: there is no high-level property such as "P1 is identified by (identifies)" in FRBR: it is therefore necessary to instantiate this property for each entity)* *(Specific Comment: the condition is equivalent to having P1 instantiated by "P102 has title (is title of)"; see P102 below)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.2. Expression |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.3.1. Title of the Expression |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression] AND E41 IS INSTANTIATED BY E35 Title, THEN | *(Comment: the condition is equivalent to having P1 instantiated by "P102 has title (is title of)"; see P102 below)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.3. Manifestation |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.4.1. Title of the Manifestation + 4.4.2. Statement of Responsibility |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation] AND E41 IS INSTANTIATED BY E35 Title, THEN | *(Comment: the condition is equivalent to having P1 instantiated by "P102 has title (is title of)"; see P102 below)* *(Comment: "4.4.1. Title of the Manifestation" and "4.4.2. Statement of Responsibility" also are Inscriptions)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.3. Manifestation |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.4.14. Manifestation Identifier |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation] AND E41 Appellation IS INSTANTIATED BY E75 Conceptual |  |

|  | Object Appellation, THEN |  |
|---|---|---|

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.4. Item |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.5.1. Item Identifier<br>AND/OR<br>4.5.2. Fingerprint |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E84 Information Carrier, THEN |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.5. Person |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.6.1. Name of Person |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E21 Person AND E41 IS INSTANTIATED BY E82 Actor Appellation, THEN | *(Comment: the condition is equivalent to having P1 instantiated by P131; see P131 below)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.6. Corporate Body |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.7.1. Name of Corporate Body + 4.7.2. Number Associated with the Corporate Body + Place Associated with the Corporate Body + 4.7.4. Date Associated with the Corporate Body + 4.7.5. Other Designation Associated with the Corporate Body |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E74 Group, THEN | *(Comment: the condition is equivalent to having P1 instantiated by P131; see P131 below)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.7. Concept |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.8.1. Term for the Concept |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E28 Conceptual Object AND E41 Appellation IS INSTANTIATED BY E75 Conceptual Object Appellation, THEN |  |

# Mapping CRM_to_FRBR
## version 0, 29/01/2003

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.8. Object |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.9.1. Term for the Object |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E19 Physical Object, THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.10. Event |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.10.1. Term for the Event |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E4 Period, THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.11. Place |
| Link | P1 is identified by (identifies) | [has attribute] |
| Range | E41 Appellation | 4.11.1. Term for the Place |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E53 Place AND E41 Appellation IS INSTANTIATED BY E44 Place Appellation, THEN | *(Comment: the condition is equivalent to having P1 instantiated by P87; see P87 below)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | |
| Link | P2 has type (is type of) | |
| Range | E55 Type | |
| Conditions | | *(No equivalent at a high level; types are not explicitly dealt with in FRBR, though the notion of "types" is not absent from the model, e.g. in the Work attribute "4.2.8. Medium of Performance (Musical Work)": the value in brackets clearly indicates that the attribute is valid if and only if the instance of Work has type: Musical Work. Some FRBR attributes however can be regarded as instantiations of CRM E55 Type and are dealt with hereafter. Besides, the very notion of "Manifestation" in FRBR can be regarded as a Type.)* |

| | Source: CRM | FRBR |
|---|---|---|

| Domain | E1 CRM Entity | 3.2.1. Work |
|---|---|---|
| Link | P2 has type (is type of) | [has attribute] |
| Range | E55 Type | 4.2.2. Form of Work<br>AND/OR<br>4.2.5. Intended Termination<br>AND/OR<br>4.2.6. Intended Audience<br>AND/OR<br>4.2.12. Equinox (Cartographic Work) |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.2. Expression |
| Link | P2 has type (is type of) | [has attribute] |
| Range | E55 Type | 4.3.2. Form of Expression<br>AND/OR<br>4.3.6. Extensibility of Expression<br>AND/OR<br>4.3.7. Revisability of Expression<br>AND/OR<br>4.3.14 Expected Regularity of Issue (Serial)<br>AND/OR<br>4.3.15. Expected Frequency of Issue (Serial)<br>AND/OR<br>4.3.16. Type of Score (Musical Notation)<br>AND/OR<br>4.3.19 Projection (Cartographic Image/Object)<br>AND/OR<br>4.3.20. Presentation Technique (Cartographic Image/Object)<br>AND/OR<br>4.3.21. Representation of Relief (Cartographic Image/Object)<br>AND/OR<br>4.3.23. Recording Technique (Remote Sensing Image)<br>AND/OR<br>4.3.25 Technique (Graphic or Projected Image) |

| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression], THEN | |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.3 Manifestation |
| Link | P2 has type (is type of) | [has attribute] |
| Range | E55 Type | 4.4.12. Capture mode<br>AND/OR<br>Typeface (Printed Book)<br>AND/OR<br>4.4.19 Type Size (Printed Book)<br>AND/OR<br>4.4.20. Foliation (Hand-Printed Book)<br>AND/OR<br>4.4.22. Publication Status (Serial)<br>AND/OR<br>4.4.24. Playing Speed (Sound Recording)<br>AND/OR<br>4.4.25. Groove Width (Sound Recording)<br>AND/OR<br>4.4.26. Kind of Cutting (Sound recording)<br>AND/OR<br>4.4.27. Tape Configuration (Sound Recording)<br>AND/OR<br>4.4.28. Kind of Sound (Sound Recording)<br>AND/OR<br>4.4.29. Special Reproduction Characteristic (Sound Recording)<br>AND/OR<br>4.4.30. Colour (Image)<br>AND/OR<br>4.4.32. Polarity (Microform or Visual Projection)<br>AND/OR<br>4.4.34. Presentation Format (Visual Projection)<br>AND/OR<br>4.4.37. Mode of Access (Remote Access Electronic Resource) |

| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | |
| Link | P2 has type (is type of) | |
| Range | E55 Type | |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Person, Corporate Body, Concept, Event, Object or Place], THEN | *(out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.1. Work |
| Link | P3 has note | [has attribute] |
| Range | E62 String | 4.2.7. Context for the Work<br>AND/OR<br>4.2.11. Coordinates (Cartographic Work) |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.2. Expression |
| Link | P3 has note | [has attribute] |
| Range | E62 String | 4.3.9. Summarization of Content<br>AND/OR<br>4.3.10. Context for the Expression<br>AND/OR<br>4.3.11. Critical Response to the Expression<br>AND/OR<br>4.3.13. Sequencing Pattern (Serial)<br>AND/OR<br>4.3.18. Scale (Cartographic Image/Object)<br>AND/OR<br>4.3.22. Geodetic, Grid, and Vertical Measurement (Cartographic |

| | | Image/Object) AND/OR 4.3.24. Special Characteristic (Remote Sensing Image) |
|---|---|---|
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.3. Manifestation |
| Link | P3 has note | [has attribute] |
| Range | E62 String | 4.4.21. Collation (Hand-Printed Book) AND/OR 4.4.23. Numbering (Serial) AND/OR 4.4.31. Reduction Ratio (Microform) AND/OR 4.4.33. Generation (Microform or Visual Projection) AND/OR 4.4.35 System Requirements (Electronic Resource) AND/OR 4.4.36. File Characteristics (Electronic Resource) AND/OR 4.4.38. Access Address (Remote Access Electronic Resource) |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | 3.2.4. Item |
| Link | P3 has note | [has attribute] |
| Range | E62 String | 4.5.5. Exhibition History AND/OR 4.5.7. Treatment History AND/OR 4.5.8. Scheduled Treatment |

| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E84 Information Carrier, THEN | |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E1 CRM Entity | |
| Link | P3 has note | |
| Range | E62 String | |
| Conditions | IF E1 CRM Entity IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Person, Corporate Body, Concept, Event, Object or Place], THEN | *(out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P3 has note | |
| Link | P3.1 has Type | |
| Range | E55 Type | |
| Conditions | | *(see names of attributes above)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | 3.2.1. Work |
| Link | P4 has time-span (is time-span of) | [has attribute] |
| Range | E52 Time-Span | 4.2.3. Date — [has type:] range of dates |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | 3.2.2. Expression |
| Link | P4 has time-span (is time-span of) | [has attribute] |
| Range | E52 Time-Span | 4.3.3. Date — [has type:] range of dates |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Expression], THEN | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | 3.2.3. Manifestation |
| Link | P4 has time-span (is time-span of) | [has attribute] |
| Range | E52 Time-Span | 4.4.6. Date of Publication/Distribution − [has type:] range of dates |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E3 Condition State | |
| Link | P5 consists of (forms part of) | |
| Range | E3 Condition State | |
| Conditions | | *(No equivalent)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period | |
| Link | P7 took place at (witnessed) | |
| Range | E53 Place | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period | |
| Link | P8 took place on or within (witnessed) | |
| Range | E19 Physical Object | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period | |
| Link | P9 consists of (forms part of) | |
| Range | E4 Period | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period | |

| | | |
|---|---|---|
| Link | P10 falls within (contains) | |
| Range | E4 Period | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E5 Event | |
| Link | P11 had participant (participated in) | |
| Range | E39 Actor | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E5 Event | |
| Link | P12 occurred in the presence of (was present at) | |
| Range | E77 Persistent Item | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E6 Destruction | |
| Link | P13 destroyed (was destroyed by) | |
| Range | E19 Physical Object | |
| Conditions | | *(No relevance in library practice; the result of destruction is dealt with in Item attribute "4.5.6. Condition of the Item"; see "P44 has condition (condition of)")* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | 3.2.1. Work |
| Link | P14 carried out by (performed) | 5.2.2.[1]. created by ([has created]) |
| Range | E39 Actor | 3.1.2. Group 2 Entities (Person, Corporate Body) |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | 3.2.2. Expression |

| Link | P14 carried out by (performed) | 5.2.2.[2]. realized by ([has realized]) |
|---|---|---|
| Range | E39 Actor | 3.1.2. Group 2 Entities (Person, Corporate Body) |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | 3.2.3. Manifestation |
| Link | P14 carried out by (performed) | 5.2.2.[3]. produced by ([has produced]) |
| Range | E39 Actor | 3.1.2. Group 2 Entities (Person, Corporate Body) |
| Conditions | IF E7 Activity IS INSTANTIATED BY E65 Creation Event AND E65 Creation Event P94 has created (was created by) E73 Information Object AND 73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P15 was influenced by (influenced) | |
| Range | E1 CRM Entity | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P16 used specific object (was used for) | |
| Range | E19 Physical Object | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P16 used specific object (was used for) | |
| Link | P16.1 mode of use | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|

| Domain | E7 Activity | |
|---|---|---|
| Link | P17 was motivated by (motivated) | |
| Range | E1 CRM Entity | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P19 was intended use of (was made for) | |
| Range | E71 Man-Made Stuff | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P19 was intended use of (was made for) | |
| Link | P19.1 mode of use | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P20 had specific purpose (was purpose of) | |
| Range | E7 Activity | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P21 had general purpose (was purpose of) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E8 Acquisition Event | |
| Link | P22 transferred title to (acquired title through) | |
| Range | E39 Actor | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E8 Acquisition Event | |
| Link | P23 transferred title from (surrendered title of) | |
| Range | E39 Actor | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E8 Acquisition Event | |
| Link | P24 transferred title of (changed ownership by) | |
| Range | E18 Physical Stuff | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E9 Move | |
| Link | P25 moved (moved by) | |
| Range | E19 Physical Object | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E9 Move | |
| Link | P26 moved to (was destination of) | |
| Range | E53 Place | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E9 Move | |
| Link | P27 moved from (was origin of) | |
| Range | E53 Place | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E10 Transfer of Custody | |
| Link | P28 custody surrendered by (surrendered custody through) | |
| Range | E39 Actor | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E10 Transfer of Custody | |
| Link | P29 custody received by (received custody through) | |
| Range | E39 Actor | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E10 Transfer of Custody | |
| Link | P30 transferred custody of (custody transferred through) | |
| Range | E19 Physical Object | |
| Conditions | | *(No relevance in library practice; see P49 to P54)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E11 Modification Event | |
| Link | P31 has modified (was modified by) | |
| Range | E24 Physical Man-Made Stuff | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E11 Modification Event | |
| Link | P32 used general technique (was technique of) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E11 Modification Event | |
| Link | P33 used specific technique (was used by) | |
| Range | E29 Design or Procedure | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E14 Condition Assessment | |
| Link | P34 concerned (was assessed by) | |
| Range | E18 Physical Stuff | |

| Conditions | | *(No relevance in library practice; see "P44 has condition (condition of)")* |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E14 Condition Assessment | |
| Link | P35 has identified (identified by) | |
| Range | E3 Condition State | |
| Conditions | | *(No relevance in library practice; see "P44 has condition (condition of)")* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E15 Identifier Assignment | |
| Link | P36 registered (was registered by) | |
| Range | E19 Physical Object | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E15 Identifier Assignment | |
| Link | P37 assigned (was assigned by) | |
| Range | E42 Object Identifier | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E15 Identifier Assignment | |
| Link | P38 deassigned (was deassigned by)p | |
| Range | E42 Object Identifier | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E16 Measurement Event | |
| Link | P39 measured (was measured by) | |
| Range | E70 Stuff | |
| Conditions | | *(No relevance in library practice; see "P43 has dimension (is dimension of)")* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E16 Measurement Event | |

| Link | P40 observed dimension (was observed in) | |
|---|---|---|
| Range | E54 Dimension | |
| Conditions | | *(No relevance in library practice; see "P43 has dimension (is dimension of)")* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E17 Type Assignment | |
| Link | P41 classified (was classified by) | |
| Range | E1 CRM Entity | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E17 Type Assignment | |
| Link | P42 assigned (was assigned by) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.2. Expression |
| Link | P43 has dimension (is dimension of) | [has attribute] |
| Range | E54 Dimension | 4.3.8. Extent of the Expression |
| Conditions | IF E70 Stuff P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.3. Manifestation |
| Link | P43 has dimension (is dimension of) | [has attribute] |
| Range | E54 Dimension | 4.4.13. Dimensions of the Carrier |
| Conditions | IF E70 Stuff P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P44 has condition (condition of) | [has attribute] |
| Range | E3 Condition State | 4.5.6. Condition of the Item |
| Conditions | | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.3. Manifestation |
| Link | P45 consists of (is incorporated in) | [has attribute] |
| Range | E57 Material | 4.4.11. Physical Medium |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P46 is composed of (forms part of) | 5.3.6.1. has part (is part of) |
| Range | E18 Physical Stuff | 3.2.4. Item |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object | 3.2.4. Item |
| Link | P47 is identified by (identifies) | [has attribute] |
| Range | E42 Object Identifier | 4.5.1. Item Identifier |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object | 3.2.4. Item |
| Link | P48 has preferred identifier (is preferred identifier of) | [has attribute] |
| Range | E42 Object Identifier | 4.5.1. Item Identifier |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P49 has former or current keeper (is former or current keeper of) | 5.2.2.[4]. is owned by |
| Range | E39 Actor | 3.1.2. Group 2 Entities |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P50 has current keeper (is current keeper of) | 5.2.2.[4]. is owned by |
| Range | E39 Actor | 3.1.2. Group 2 Entities |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P51 has former or current owner (is former or current owner of) | 5.2.2.[4]. is owned by |
| Range | E39 Actor | 3.1.2. Group 2 Entities |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | 3.2.4. Item |
| Link | P52 has current owner (is current owner of) | 5.2.2.[4]. is owned by |
| Range | E39 Actor | 3.1.2. Group 2 Entities |
| Conditions |  |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff |  |
| Link | P53 has former or current location (is former or current location of) |  |
| Range | E53 Place |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object |  |
| Link | P54 has current permanent location (is current permanent location of) |  |
| Range | E53 Place |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object |  |
| Link | P55 has current location (currently holds) |  |
| Range | E53 Place |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object | 3.2.4. Item |
| Link | P56 bears feature (is found on) | [has attribute] |

| Range | E26 Physical Feature | 4.5.4. Marks/inscriptions |
|---|---|---|
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E19 Physical Object | 3.2.3. Manifestation |
| Link | P57 has number of parts | [has attribute] |
| Range | E60 Number | 4.4.10. Extent of the Carrier |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | |
| Link | P58 has section definition (defines section) | |
| Range | E46 Section Definition | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E18 Physical Stuff | |
| Link | P59 has section (is located on or within) | |
| Range | E53 Place | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E24 Physical Man-Made Stuff | 3.2.4. Item |
| Link | P62 depicts (is depicted by) | 5.2.1.[3]. [exemplifies] (is exemplified by) 3.2.3. Manifestation AND 3.2.3. Manifestation 5.2.1.[2] is an embodiment of (is embodied in) 3.2.2. Expression AND 3.2.2. Expression 5.2.1.[1]. is a realization of (realized through) 3.2.1. Work AND 3.2.1. Work |

|  |  | 5.2.3. has as subject ([is subject of]) |
|---|---|---|
| Range | E1 CRM Entity | 3.1.3. Group 3 Entities (Group 1 + Group 2 + Concept, Object, Event, Place) |
| Conditions |  | 3.2.1. Work [has type] Graphic or Projected Image |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | P62 depicts (is depicted by) |  |
| Link | P62.1 mode of depiction |  |
| Range | E55 Type |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E24 Physical Man-Made Stuff | 3.2.3. Manifestation |
| Link | P65 shows visual item (is shown by) | 5.2.1.[2] is an embodiment of (is embodied in) |
| Range | E36 Visual Item | 3.2.2. Expression |
| Conditions |  | 3.2.2. Expression [has type] Graphic or Projected Image |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E73 Information Object |  |
| Link | P67 refers to (is referred to by) |  |
| Range | E1 CRM Entity |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | P67 refers to (is referred to by) |  |
| Link | P67.1 has type |  |
| Range | E55 Type |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E29 Design or Procedure |  |
| Link | P68 usually employs (is usually employed by) |  |
| Range | E57 Material |  |
| Conditions |  | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E29 Design or Procedure | |
| Link | P69 is associated with | |
| Range | E29 Design or Procedure | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E31 Document | |
| Link | P70 documents (is documented in) | |
| Range | E1 CRM Entity | |
| Conditions | | *(Not mentioned in FRBR, though relevant to some special materials)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E32 Authority Document | |
| Link | P71 lists (is listed in) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E33 Linguistic Object | 3.2.2. Expression |
| Link | P72 has language (is language of) | [has attribute] |
| Range | E56 Language | 4.3.4. Language of Expression |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E33 Linguistic Object | 3.2.2. Expression |
| Link | P73 has translation (is translation of) | 5.3.2.[3] has a translation (is a translation of) |
| Range | E33 Linguistic Object | 3.2.2. Expression |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E39 Actor | |
| Link | P74 has current of former residence (is current or former residence of) | |
| Range | E53 Place | |

| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E39 Actor | |
| Link | P75 possesses (is possessed by) | |
| Range | E30 Right | |
| Conditions | | *(See P104)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E39 Actor | |
| Link | P76 has contact point (provides access to) | |
| Range | E51 Contact Point | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | 3.2.9. Event |
| Link | P78 is identified by (identifies) | [has attribute] |
| Range | E49 Time Appellation | 4.10.1 Term for the Event |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P79 beginning is qualified by | |
| Range | E62 String | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P80 end is qualified by | |
| Range | E62 String | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P81 ongoing throughout | |

| Range | E61 Time Primitive | |
|---|---|---|
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P82 at some time within | |
| Range | E61 Time Primitive | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P83 had at least duration (was minimum duration of) | |
| Range | E54 Dimension | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P84 had at most duration (was maximum duration of) | |
| Range | E54 Dimension | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E52 Time-Span | |
| Link | P86 falls within (contains) | |
| Range | E52 Time-Span | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E53 Place | 3.2.10. Place |
| Link | P87 is identified by (identifies) | [has attribute] |
| Range | E44 Place Appellation | 4.11.1. Term for the Place |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E53 Place | |

| Link | P88 consists of (forms part of) | |
|---|---|---|
| Range | E53 Place | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E53 Place | |
| Link | P89 falls within (contains) | |
| Range | E53 Place | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E54 Dimension | |
| Link | P90 has value | |
| Range | E60 Number | |
| Conditions | | *(See P43)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E54 Dimension | |
| Link | P91 has unit (is unit of) | |
| Range | E58 Measurement Unit | |
| Conditions | | *(See P43)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E63 Beginning of Existence | |
| Link | P92 brought into existence (was brought into existence by) | |
| Range | E77 Persistent Item | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E64 End of Existence | |
| Link | P93 took out of existence (was taken out of existence by) | |
| Range | E77 Persistent Item | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|

| | | |
|---|---|---|
| Domain | E65 Creation Event | |
| Link | P94 has created (was created by) | |
| Range | E28 Conceptual Object | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E66 Formation Event | |
| Link | P95 has formed (was formed by) | |
| Range | E74 Group | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E67 Birth | |
| Link | P96 by mother (gave birth) | |
| Range | E21 Person | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E67 Birth | |
| Link | P97 by father (was father for) | |
| Range | E21 Person | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E67 Birth | |
| Link | P98 brought into life (was born) | |
| Range | E21 Person | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E68 Dissolution | |
| Link | P99 dissolved (was dissolved by) | |
| Range | E74 Group | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E69 Death | |
| Link | P100 was death of (died in) | |
| Range | E21 Person | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | |
| Link | P101 had as general use (was use of) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E71 Man-Made Stuff | 3.2.1. Work |
| Link | P102 has title (is title of) | [has attribute] |
| Range | E35 Title | 4.2.1. Title of the Work |
| Conditions | IF E71 Man-Made Stuff P2 has type E55 Type [= Work], THEN | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E71 Man-Made Stuff | 3.2.2. Expression |
| Link | P102 has title (is title of) | [has attribute] |
| Range | E35 Title | 4.3.1. Title of the Expression |
| Conditions | IF E71 Man-Made Stuff P2 has type E55 Type [= Expression], THEN | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E71 Man-Made Stuff | 3.2.3. Manifestation |
| Link | P102 has title (is title of) | [has attribute] |
| Range | E35 Title | 4.4.1. Title of the Manifestation + 4.4.2. Statement of Responsibility |
| Conditions | IF E71 Man-Made Stuff P2 has type E55 Type [= Manifestation], THEN | *(Comment: "4.4.1. Title of the Manifestation" and "4.4.2. Statement of Responsibility" also are Inscriptions)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | P102 has title (is title of) | |
| Link | P102.1 has type | |
| Range | E55 Type | |

| Conditions | | *(This data element is recorded in MARC formats, but not at the abstract level of the FRBR model)* |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E71 Man-Made Stuff | |
| Link | P103 was intended for (was intention of) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E72 Legal Object | 3.2.2. Expression |
| Link | P104 is subject to (applies to) | [has attribute] |
| Range | E30 Right | 4.3.12. Use Restrictions on the Expression |
| Conditions | IF E72 Legal Object IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E72 Legal Object | 3.2.3. Manifestation |
| Link | P104 is subject to (applies to) | [has attribute] |
| Range | E30 Right | 4.4.17. Access Restrictions on the Manifestation |
| Conditions | IF E72 Legal Object IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E72 Legal Object | 3.2.4. Item |
| Link | P104 is subject to (applies to) | [has attribute] |
| Range | E30 Right | 4.5.9. Access Restrictions on the Item |
| Conditions | IF E72 Legal Object IS INSTANTIATED BY E84 Information Carrier, THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E72 Legal Object | 3.2.3. Manifestation |
| Link | P105 right held by (has right on) | [has attribute] |

| Range | E39 Actor | 4.4.15. Source for Acquisition/Access Authorization |
|---|---|---|
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E73 Information Object | 3.2.2. Expression |
| Link | P106 is composed of (forms part of) | 5.3.2.1. has part (is part of) |
| Range | E73 Information Object | 3.2.2. Expression |
| Conditions | IF E73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E73 Information Object | 3.2.3. Manifestation |
| Link | P106 is composed of (forms part of) | 5.3.4.1. has part (is part of) |
| Range | E73 Information Object | 3.2.2. Manifestation |
| Conditions | IF E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E74 Group | |
| Link | P107 has current or former member (is current or former member of) | |
| Range | E39 Actor | |
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E12 Production Event | |
| Link | P108 has produced (was produced by) | |
| Range | E24 Physical Man-Made Stuff | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E78 Collection | |
| Link | P109 has current or former curator (is current or former curator of) | |
| Range | E39 Actor | |
| Conditions | | *(Comment: Collections are not dealt with by FRBR nor by FRANAR)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E79 Part Addition | |
| Link | P110 augmented (was augmented by) | |
| Range | E24 Physical Man-Made Stuff | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E79 Part Addition | |
| Link | P111 added (was added by) | |
| Range | E18 Physical Stuff | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E79 Part Addition | |
| Link | P112 diminished (was diminished by) | |
| Range | E24 Physical Man-Made Stuff | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E80 Part Removal | |
| Link | P113 removed (was removed by) | |
| Range | E18 Physical Stuff | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P114 is equal in time to | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P115 finishes (is finished by) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P116 starts (is started by) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P117 occurs during (includes) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P118 overlaps in time with (is overlapped in time by) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P119 meets in time with (is met in time by) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E2 Temporal Entity | |
| Link | P120 occurs before (occurs after) | |
| Range | E2 Temporal Entity | |
| Conditions | | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E53 Place | |
| Link | P121 overlaps with | |
| Range | E53 Place | |

| | | |
|---|---|---|
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E53 Place | |
| Link | P122 borders with | |
| Range | E53 Place | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E81 Transformation | |
| Link | P123 resulted in (resulted from) | |
| Range | E77 Persistent Item | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E81 Transformation | |
| Link | P124 transformed in (was transformed by) | |
| Range | E77 Persistent Item | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity | |
| Link | P125 used object of type (was type of object used in) | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E11 Modification Event | |
| Link | P126 employed (was employed in) | |
| Range | E57 Material | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E55 Type | |
| Link | P127 has broader term (has narrower term) | |

| Range | E55 Type | |
|---|---|---|
| Conditions | | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E24 Physical Man-Made Stuff | 3.2.4. Item |
| Link | P128 carries (is carried by) | 5.2.1.[3] [exemplifies] (is exemplified by) <br> 3.2.3. Manifestation <br> AND <br> 3.2.3. Manifestation <br> 5.2.1.[2] is an embodiment of (is embodied in) <br> 3.2.2. Expression <br> AND <br> 3.2.2. Expression <br> 5.2.1.[1] is a realization of (is realized through) |
| Range | E73 Information Object | 3.2.1. Work |
| Conditions | IF E73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E24 Physical Man-Made Stuff | 3.2.4. Item |
| Link | P128 carries (is carried by) | 5.2.1.[3] [exemplifies] (is exemplified by) <br> 3.2.3. Manifestation <br> AND <br> 3.2.3. Manifestation <br> 5.2.1.[2] is an embodiment of (is embodied in) |
| Range | E73 Information Object | 3.2.2. Expression |
| Conditions | IF E73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E24 Physical Man-Made Stuff | 3.2.4. Item |
| Link | P128 carries (is carried by) | 5.2.1.[3] [exemplifies] (is exemplified by) |
| Range | E73 Information Object | 3.2.3. Manifestation |
| Conditions | IF E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E73 Information Object | 3.2.1. Work |
| Link | P129 is about (is subject of) | 5.2.3. has as subject ([is subject of]) |
| Range | E1 CRM Entity | 3.1.3. Group 3 Entities (Group 1 + Group 2 + Concept, Object, Event, and Place) |
| Conditions | | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.1. Work |
| Link | P130 shows features of (features are also found on) | 5.3.1. Work-to-Work Relationships |
| Range | E70 Stuff | 3.2.1. Work |
| Conditions | IF E70 Stuff IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.2. Expression |
| Link | P130 shows features of (features are also found on) | 5.3.2. Expression-to-Expression Relationships |
| Range | E70 Stuff | 3.2.2. Expression |
| Conditions | IF E70 Stuff IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.2. Expression |
| Link | P130 shows features of (features are also found on) | 5.3.3. Expression-to-Work Relationships |
| Range | E70 Stuff | 3.2.1. Work |
| Conditions | IF E70 Stuff(Domain) IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Expression] AND E70 Stuff(Range) IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Work], THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.3. Manifestation |
| Link | P130 shows features of (features are also found on) | 5.3.4. Expression-to-Expression Relationships |
| Range | E70 Stuff | 3.2.3. Manifestation |

| Conditions | IF E70 Stuff IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation], THEN | |
|---|---|---|

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.3. Manifestation |
| Link | P130 shows features of (features are also found on) | 5.3.5. Manifestation-to-Item Relationships |
| Range | E70 Stuff | 3.2.4. Item |
| Conditions | IF E70 Stuff(Domain) IS INSTANTIATED BY E73 Information Object AND E73 Information Object P2 has type E55 Type [= Manifestation] AND E70 Stuff(Range) IS INSTANTIATED BY E84 Information Carrier, THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E70 Stuff | 3.2.4. Item |
| Link | P130 shows features of (features are also found on) | 5.3.6. Item-to-Item Relationships |
| Range | E70 Stuff | 3.2.4. Item |
| Conditions | IF E70 Stuff IS INSTANTIATED BY E84 Information Carrier, THEN | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P130 shows features of (features are also found on) | 5.3.1. Work-to-Work Relationships OR 5.3.2. Expression-to-Expression Relationships OR 5.3.3. Expression-to-Work Relationships OR 5.3.4. Expression-to-Expression Relationships OR 5.3.5. Manifestation-to-Item Relationships OR 5.3.6. Item-to-Item Relationships |
| Link | P130.1 kind of similarity | [has name] |
| Range | E55 Type | [name of relationship] |
| Conditions | | |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E39 Actor | 3.2.5. Person |
| Link | P131 is identified by (identifies) | [has attribute] |
| Range | E82 Actor Appellation | 4.6.1. Name of Person |
| Conditions | IF E39 Actor IS INSTANTIATED BY E21 Person, THEN |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E39 Actor | 3.2.6. Corporate Body |
| Link | P131 is identified by (identifies) | [has attribute] |
| Range | E82 Actor Appellation | 4.7.1. Name of the Corporate Body |
| Conditions | IF E39 Actor IS INSTANTIATED BY E74 Group, THEN |  |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period |  |
| Link | P132 overlaps with |  |
| Range | E4 Period |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E4 Period |  |
| Link | P133 is separated from |  |
| Range | E4 Period |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E7 Activity |  |
| Link | P134 continued (was continued by) |  |
| Range | E7 Activity |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E83 Type Creation |  |
| Link | P135 created type (was created by) |  |
| Range | E55 Type |  |
| Conditions |  | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E83 Type Creation | |
| Link | P136 was based on (supported type creation) | |
| Range | E1 CRM Entity | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P136 was based on (supported type creation) | |
| Link | P136.1 in the taxonomic role | |
| Range | E55 Type | |
| Conditions | | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E55 Type | 3.2.3. Manifestation |
| Link | P137 is exemplified by (exemplifies) | 5.2.1.[3] is exemplified by ([exemplifies]) |
| Range | E1 CRM Entity | 3.2.4. Item |
| Conditions | IF E55 Type P2 has type E55 Type [= Manifestation] AND E1 CRM Entity IS INSTANTIATED BY E84 Information Carrier, THEN P137 IS EQUIVALENT TO P128 carries (is carried by) | |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | E55 Type | |
| Link | P137 is exemplified by (exemplifies) | |
| Range | E1 CRM Entity | |
| Conditions | IF NOT, THEN | *(No relevance in library practice)* |

| | Source: CRM | FRBR |
|---|---|---|
| Domain | P137 is exemplified by (exemplifies) | 3.2.4. Item |
| Link | P137.1 in the taxonomic role | [has type] |
| Range | E55 Type | [type] [e.g., Legal Deposit Item used to produce a National Bibliography] |
| Conditions | | *(Could be used to characterize Items obtained through legal deposit and that were used to produce national bibliographies by National Bibliographic Agencies)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E36 Visual Item | 3.2.2. Expression |
| Link | P138 represents (has representation) | 5.2.1.[1]. is a realization of (realized through) 3.2.1. Work AND 3.2.1. Work 5.2.3. has as subject ([is subject of]) |
| Range | E1 CRM Entity | 3.1.3. Group 3 Entities (Group 1 + Group 2 + Concept, Object, Event, and Place) |
| Conditions |  | 3.2.2. Expression [has type] Graphic or Projected Image |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | P138 represents (has representation) |  |
| Link | P138.1 mode of representation |  |
| Range | E55 Type |  |
| Conditions |  | *(No relevance in library practice)* |

|  | Source: CRM | FRBR |
|---|---|---|
| Domain | E41 Appellation |  |
| Link | P139 has alternative form |  |
| Range | E41 Appellation |  |
| Conditions |  | *(Out of scope of FRBR; pertains to the scope of FRANAR)* |