

## Appendix A: Definitions of FRBROO Entities and other important terms used in this paper

Aggregate	A “manifestation embodying multiple distinct expressions” (WGA, p. 3)
Aggregation Work <sup>1</sup>	This is a type of FRBR Work whose essence is the selection and/or arrangement of expressions of one or more other works.
Aggregation Work Expression	An Expression that incorporates the distinct expressions of one or more Works
Distinct Work	A Work whose Expression is incorporated in an Aggregation Work Expression
Distinct Work Expression	An Expression that is incorporated in an Aggregation Work Expression
Expression <sup>2</sup>	This is a FRBR class that is the superclass of: F3 Manifestation Product Type, and F4 Manifestation Singleton.
Manifestation Product Type <sup>3</sup>	This is a type of FRBR Manifestation, and covers manifestations that are published as more than one identical Item.
Publication Expression <sup>4</sup>	This is a type of FRBR Expression, comprising the complete content and layout of a Manifestation Product Type.
Publication Work <sup>5</sup>	This is a type of FRBR Work, the conception of a Publication Expression embodied in a Manifestation Product Type.
Single Work	A Work that is realized by one and only one distinct Expression, embodied in a particular Manifestation
Single Work Expression	A single distinct Expression in a single Work, embodied in a particular Manifestation
Whole-part Work	TBA
Whole-part Work Expression	TBA
Work	This is a FRBR class that is the direct or indirect superclass of: F14 Individual Work; F15 Complex Work/Whole-Part; F17 Aggregation Work; F18 Serial Work; F19 Publication Work; F20 Performance Work; F21 Recording Work

<sup>1</sup> <http://iflastandards.info/ns/fr/frbr/frbroo/F1>

<sup>2</sup> <http://iflastandards.info/ns/fr/frbr/frbroo/F2>

<sup>3</sup> <http://iflastandards.info/ns/fr/frbr/frbroo/F3>

<sup>4</sup> <http://iflastandards.info/ns/fr/frbr/frbroo/F24>

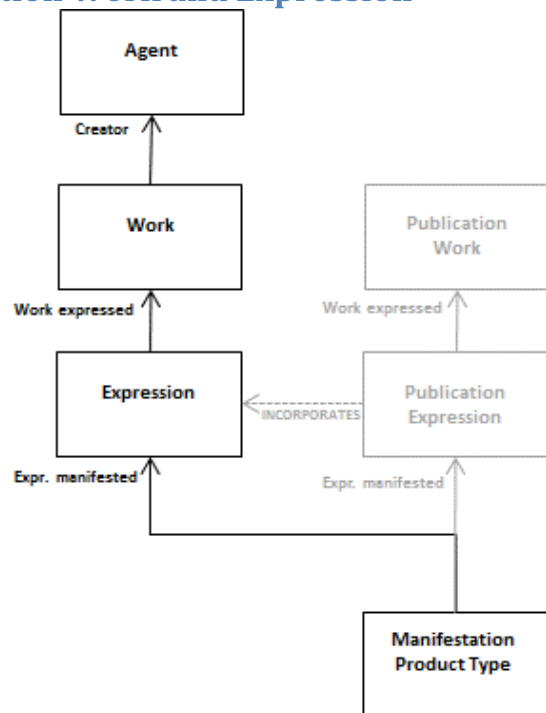
<sup>5</sup> <http://iflastandards.info/ns/fr/frbr/frbroo/F19>

## Appendix B: Examples to illustrate applying the AWG modeling of aggregates

### Key to abbreviations used in these examples

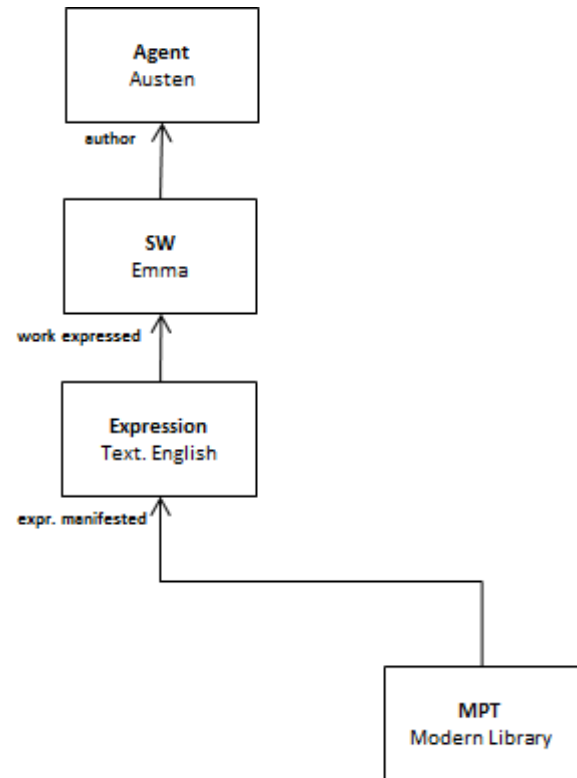
AW	Aggregation Work
AWE	Aggregation Work Expression
DW	Distinct Work
DWE	Distinct Work Expression
MPT	Manifestation Product Type
PW	Publication Work
PWE	Publication Expression
SW	Single Work
SWE	Single Work Expression
WPW	Whole-Part Work
WPWE	Whole-Part Work Expression

### 1. Collapsing FRBRoo to ignore Publication Work and Expression



- The manifestation is a MPT because it is a publication.
- The MPT has *expression manifested* Publication Expression.
- The Publication Expression has *work expressed* Publication Work.
- The Publication Expression is the *aggregation of* at least one other Expression, with added publication content in the form of layout, addition of a title page, page numbering, etc.
- The Expression has *work expressed* Work
- The Work has *creator* Agent (Person, Family, or Corporate body)
- We can ignore the Publication Work and Publication Expression

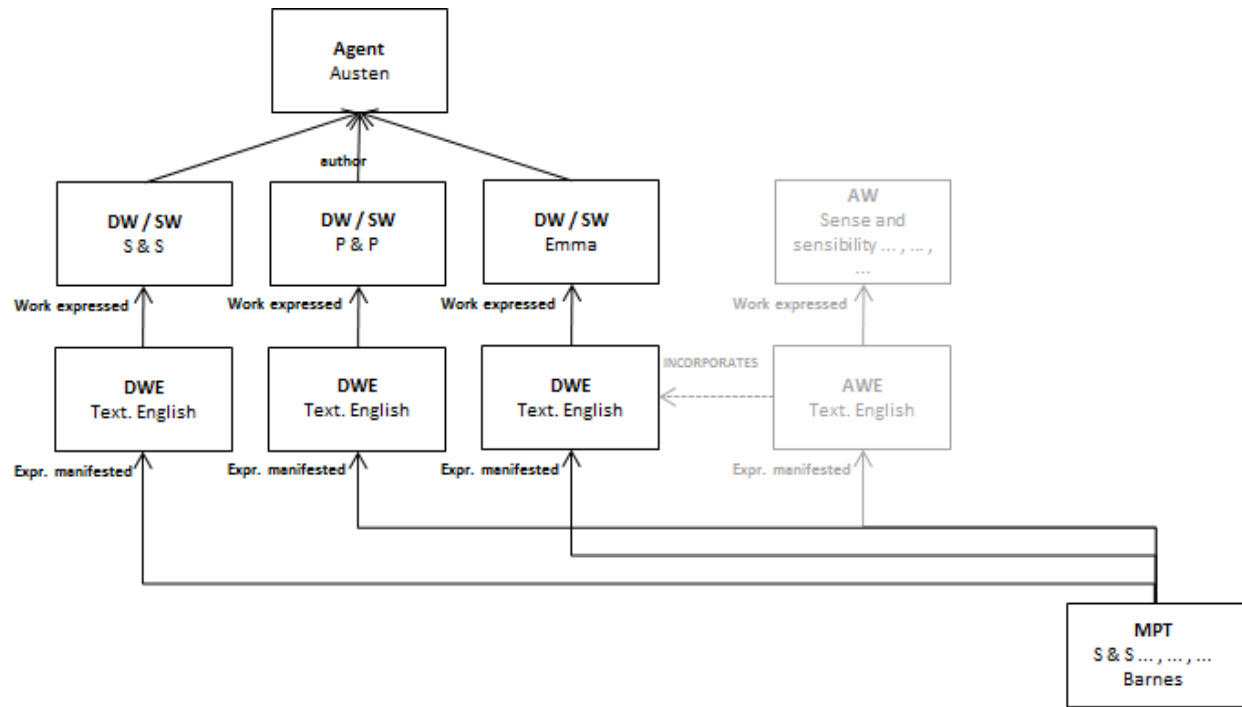
## 2. Single Work: Emma / Jane Austen. Modern Library



We know that this is published and that it is a SW because the manifestation contains only one distinct expression of one work

- Describe the SW, the SWE and the single MPT
- Relate the SW to:
  - the Agent: Austen (author)
  - the SWE
- Relate the SWE to the MPT

### 3. Aggregation Work--compilation: Sense and sensibility ; Pride and prejudice ; Emma / Jane Austen. Barnes & Noble.



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

The AWE does not incorporate any additional supplementary contributions, such as editing, abridging, censoring, etc.

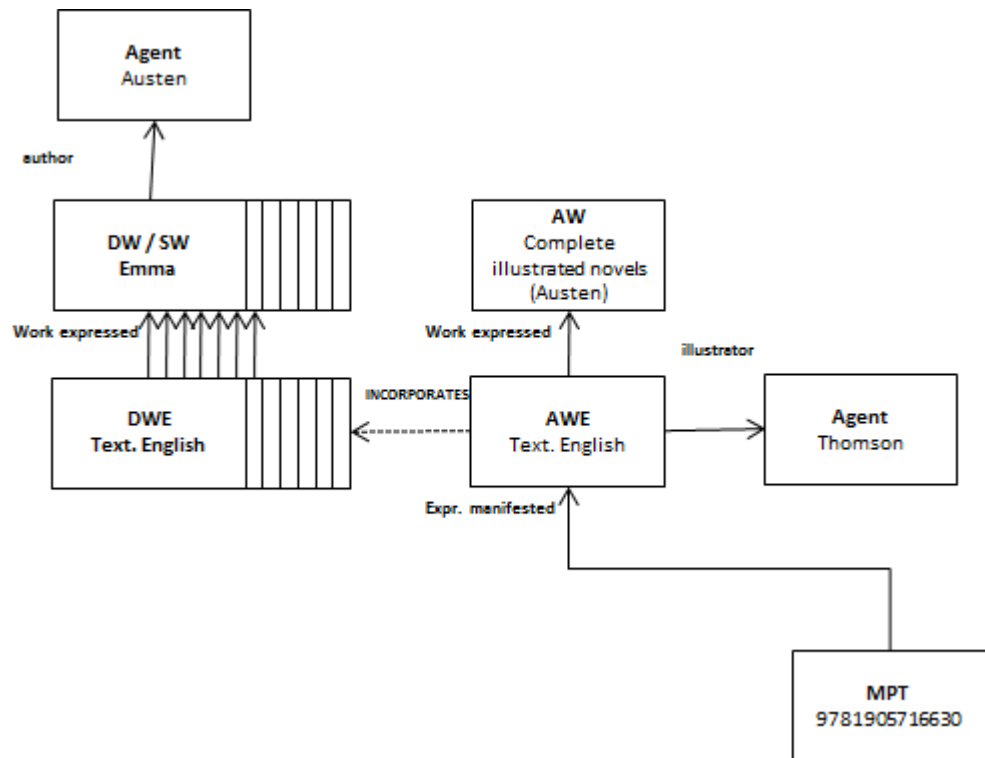
Each of the DW are SW

- Describe each of the DW, their DWE and the single MPT
- Relate each of the DW to:
  - the Agent: Austen (author)
  - their DWE
- Relate each of the DWE to the MPT

#### 4. Aggregation Work--augmentation: Complete illustrated novels / Jane Austen ; with illustrations by Hugh Thomson. ISBN 9781905716630

##### Option 1

Example 2 in 6JSC/AggregatesWG/1

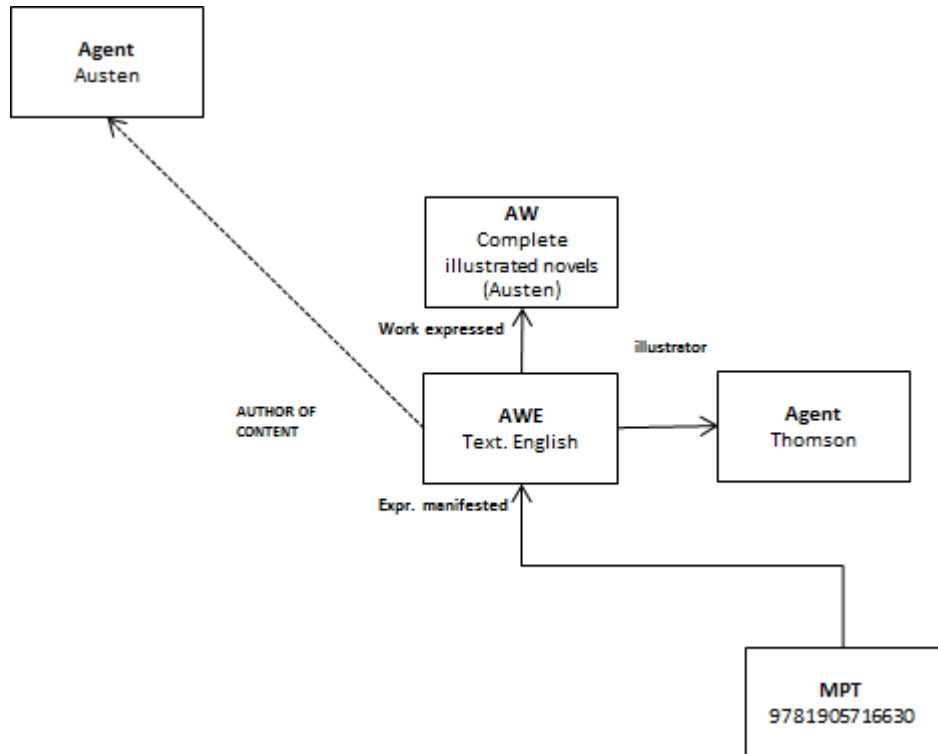


We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions. Each of the DW are SW.

- Describe each of the DW, their DWE and the single MPT
- Relate each of the DW to:
  - the Agent: Austen (author)
  - their DWE
- Describe the AW and AWE
- Relate the AWE to:
  - Each of the DWE (incorporates )
  - the Agent: Thomson (illustrator)
  - the MPT

The AWG proposes the addition of the Expression relationship “*incorporates / incorporated in*” to relate the AWE to the DWE as an efficiency instead of relating each of the DWE to the MPT, especially when there is more than one MPT for the AWE

**Option 2: (#4. Aggregation Work--augmentation: Complete illustrated novels / Jane Austen ; with illustrations by Hugh Thomson. ISBN 9781905716630)**



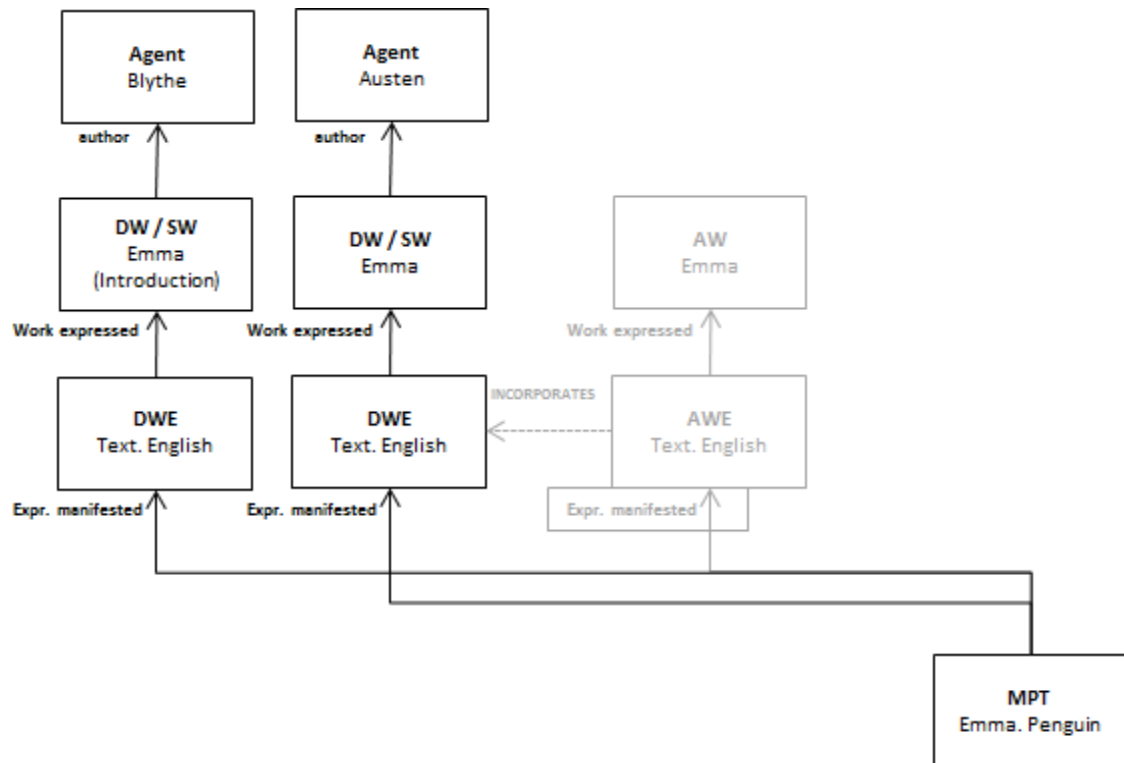
- Describe the AW and AWE and the single MPT
- Relate the AWE to:
  - the Agent: Austen (author of content)
  - the Agent: Thomson (illustrator)
  - the MPT

Austen is the author of the content incorporated in the AWE; she is not the creator (compiler) of the AW. However, adding an “author of content” relationship to Austen will allow a search on Austen to find this compilation; and will allow the user to distinguish between her works and when her works are included in a compilation.

However, applying this short-cut does not allow a search to find a DW that is included in the AW, because this short-cut does not tell us which of the DW are embodied in this M.

## 5. Aggregation Work--augmentation: Emma / Jane Austen ; edited and with an introduction by Ronald Blythe. Penguin Books

### Option 1

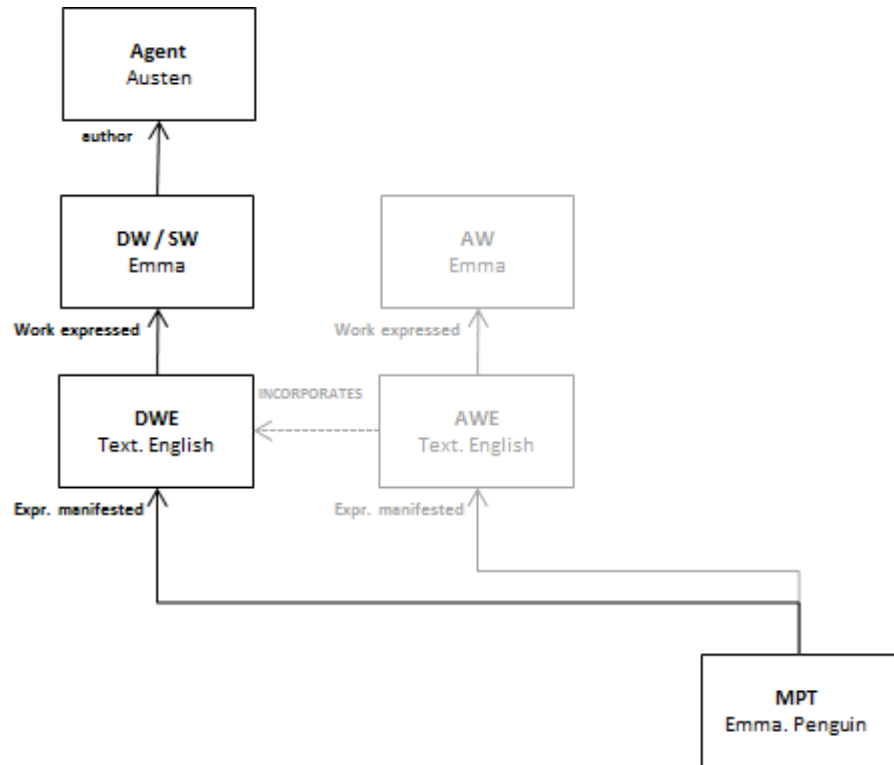


We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

In this option we decided to describe the two contents of the compilation, but not bother to identify the editor, so there was no need to describe the AW, which has the same title as the predominant content.

- Describe the DW that is a SW and is the predominant content of the MPT
  - Relate the DW to the Agent: Austen (author)
- Describe the DW that is a SW and is the Introduction about that content
  - Relate the DW to the Agent: Blythe (author)
- Relate each of the DWE to the MPT

**Option 2 (#5. Aggregation Work--augmentation: Emma / Jane Austen ; edited and with an introduction by Ronald Blythe. Penguin Books)**

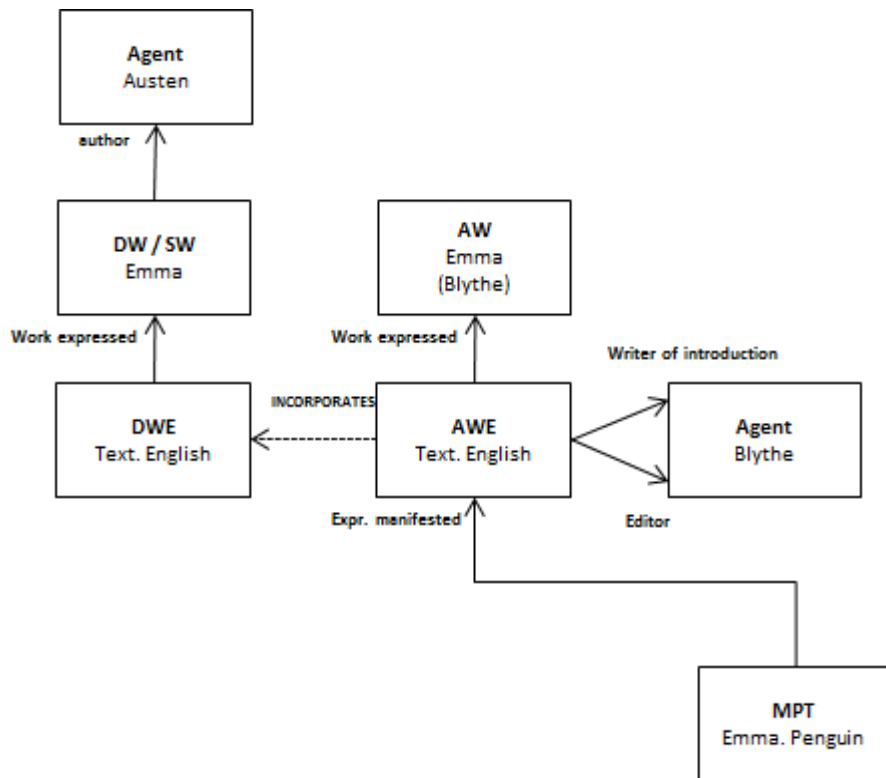


This option offers no access to Blythe's introduction

- Describe the MPT
- Describe the DW that is a SW and is the predominant content of the MPT, and its DWE
  - Relate the DW to the Agent: Austen (author)
- Not describe the other SW and its SWE, or the AW and its AWE
- Relate the DWE to the MPT



**Option 3 (#5. Aggregation Work--augmentation: Emma / Jane Austen ; edited and with an introduction by Ronald Blythe. Penguin Books)**



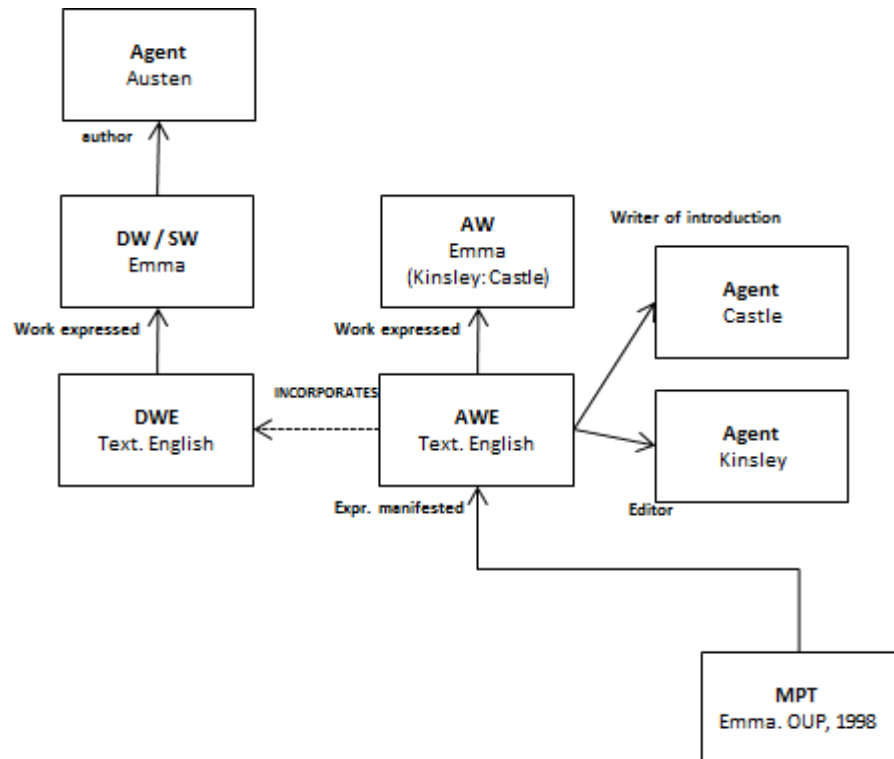
This option offers access to Blythe's introduction, using the short-cut method from 6JSC/AggregatesWG/1. To do this, it means that we have to describe the AW, even though the title of the AW is the same as the title of the predominant content, and so will need to be qualified to distinguish it.

Although it might seem like too much work to describe the AW and AWE when describing an augmentation like this, software will be able to make this a simple process.

- Describe the MPT
- Describe the DW that is a SW and is the predominant content of the MPT, and its DWE
  - Relate the DW to the Agent: Austen (author)
- Describe the AW and AWE
- Relate the AWE to:
  - the Agent: Blythe (editor)
  - the Agent: Blythe (writer of introduction)
  - the MPT

6. **Aggregation Work--augmentation: Emma / Jane Austen ; edited by James Kinsley ; with an introduction and notes by Terry Castle. Oxford University Press, 1998**

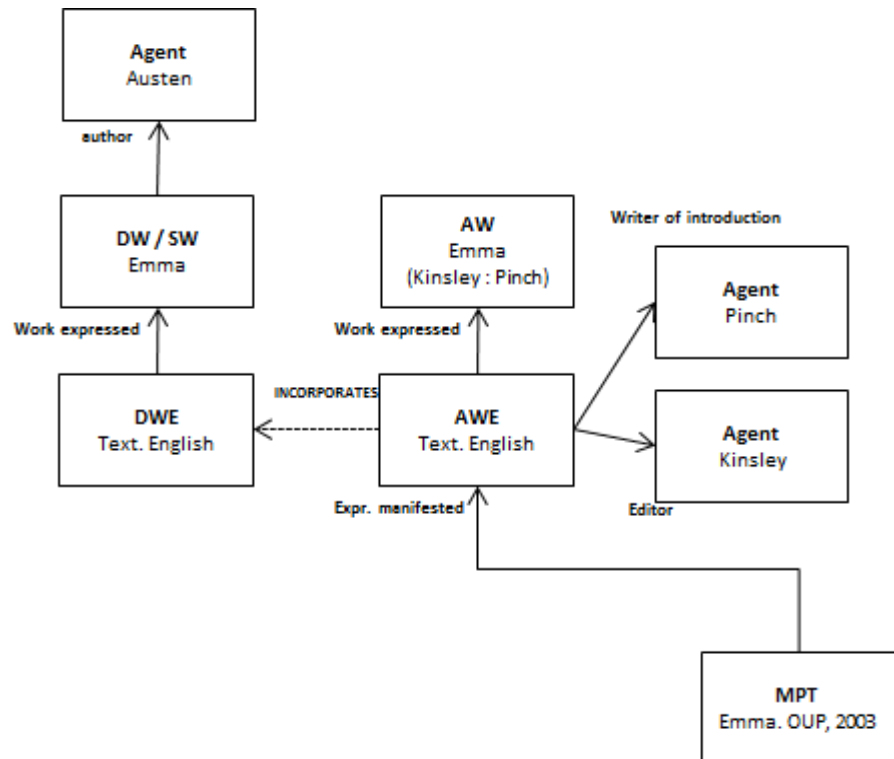
Example 1 in 6JSC/AggregatesWG/1



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

- Describe the MPT
- Describe the DW that is a SW and is the predominant content of the MPT, and its DWE
  - Relate the DW to the Agent: Austen (author)
- Describe the AW and AWE
- Relate the AWE to:
  - the Agent: Kinsey (editor)
  - the Agent: Castle (writer of introduction)
  - the MPT

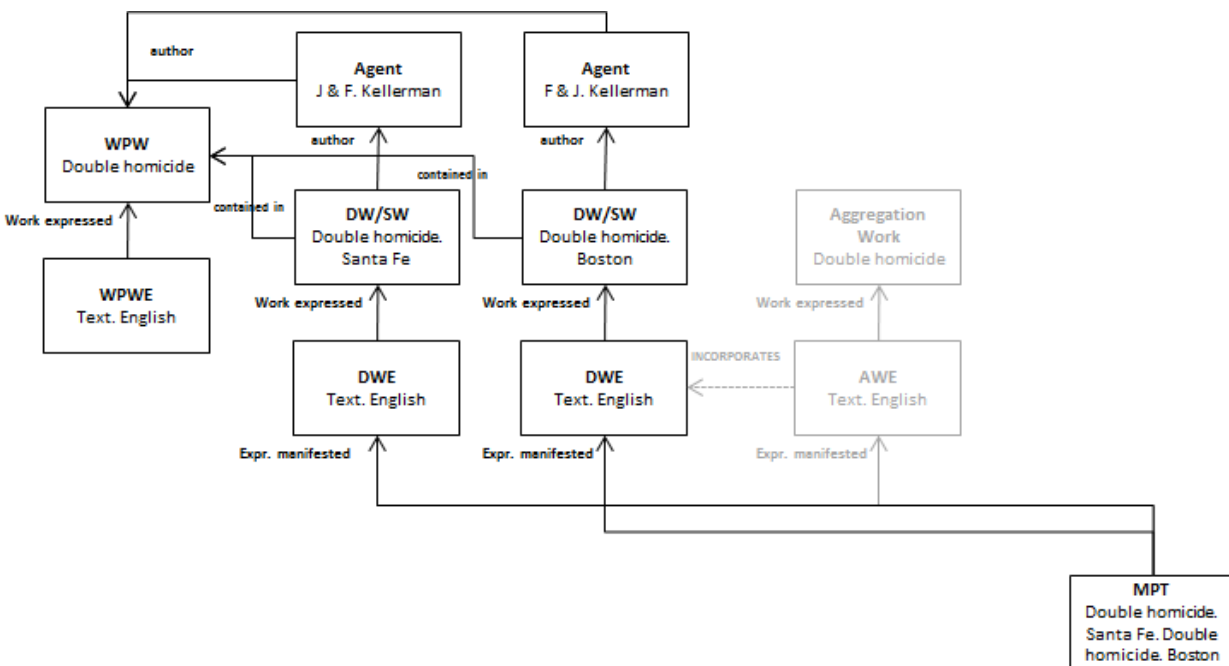
7. **Aggregation Work--augmentation: Emma / Jane Austen ; edited by James Kinsley ; with an introduction and notes by Adela Pinch. Oxford University Press, 2003**



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

- Describe the MPT
- Describe the DW that is a SW and is the predominant content of the MPT, and its DWE
  - Relate the DW to the Agent: Austen (author)
- Describe the AW and AWE
- Relate the AWE to:
  - the Agent: Kinsey (editor)
  - the Agent: Pinch (writer of introduction)
  - the MPT

## 8. Aggregation Work--compilation: Double homicide. Santa Fe / Jonathan & Faye Kellerman. Double homicide. Boston / Faye & Jonathan Kellerman



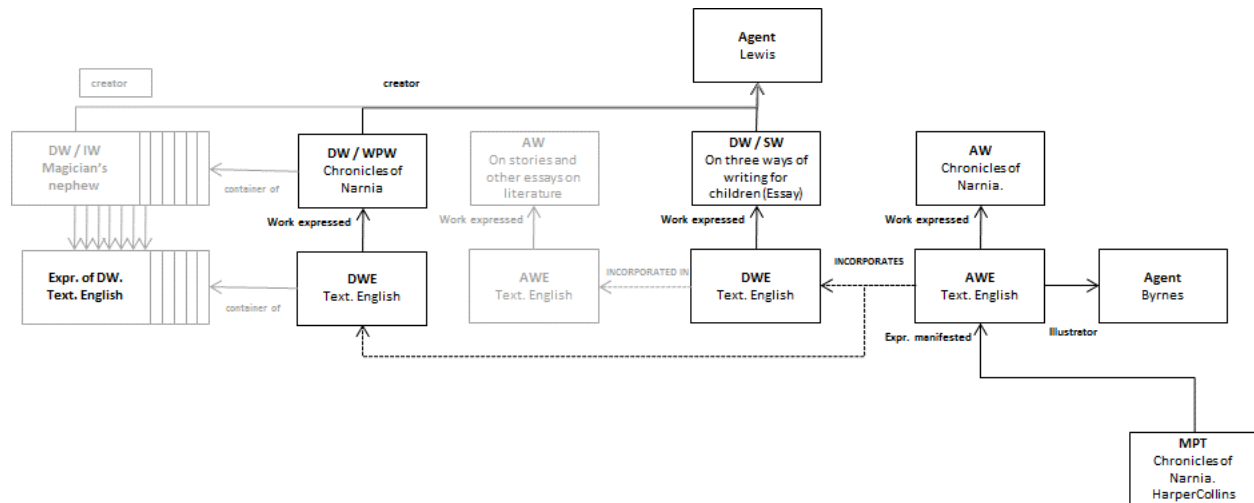
We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions. The AWE does not incorporate any additional supplementary contributions, such as editing, abridging, censoring, etc.

Both of the DW are SW that are PW of a larger WPW, but the DW are known by their common title + distinct titles; so we will describe both parts and link them to the MPT

The PW and the larger WPW are authored by a collaboration

- Describe the MPT
- Describe both of the DW and their DWE
  - Relate both of the DW to Agent: J. Kellerman and F. Kellerman (author)
- Describe the WPW and its Expression
  - Relate the WPW to Agent: J. Kellerman and F. Kellerman (author)
  - Relate both of the DW to the WPW
- Not provide, or describe the AW and its AWE
- Related both of the DWE to the MPT

## 9. Aggregation Work—augmentation + whole-part: The Chronicles of Narnia / C.S. Lewis ; illustrations by Pauline Byrnes ; and including an essay on writing by C.S. Lewis. HarperCollinsPublishers



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

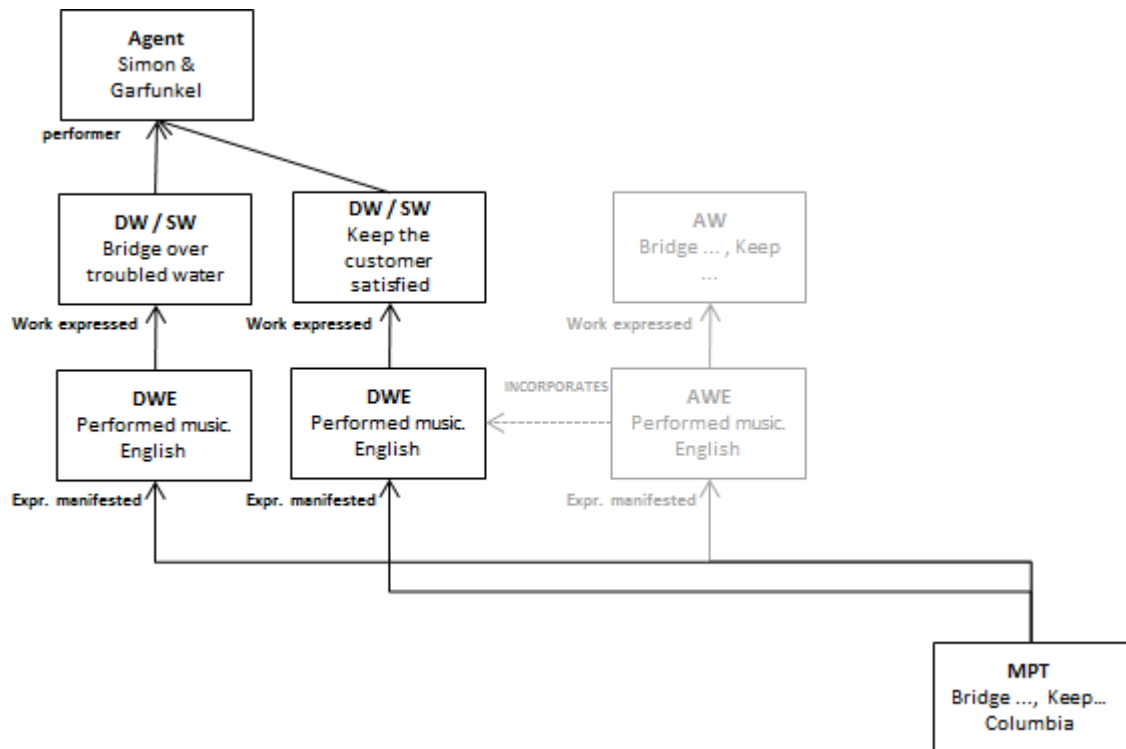
One of the DW is also incorporated in another compilation, not related to this compilation

One of the DW is a WPW that contains seven SW

- Describe the MPT
- Describe the DW that is a SW (Essay) and its DWE
  - Relate the DW/SW to Agent: Lewis (author)
- Describe the other AW and its AWE that also incorporates the Essay
  - Relate the DWE for the Essay to that AWE (incorporated in)
- Describe the DW that is a WPW and its DWE
  - Relate the DW/WPW to Agent: Lewis (author)
- Not describe the DW contained in the WPW (because describing the whole infers that you are always describing all of its parts) *the parts have already been explained*
- Describe the AW and the AWE
- Relate the AWE to:
  - the two DWE (incorporates )
  - the Agent: Byrnes (illustrator)
  - the MPT

## 10. Aggregation Work—performed work: Bridge over troubled water. Keep the customer satisfied / Simon and Garfunkel. Columbia. 1970

Example 1 in the WGA report



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

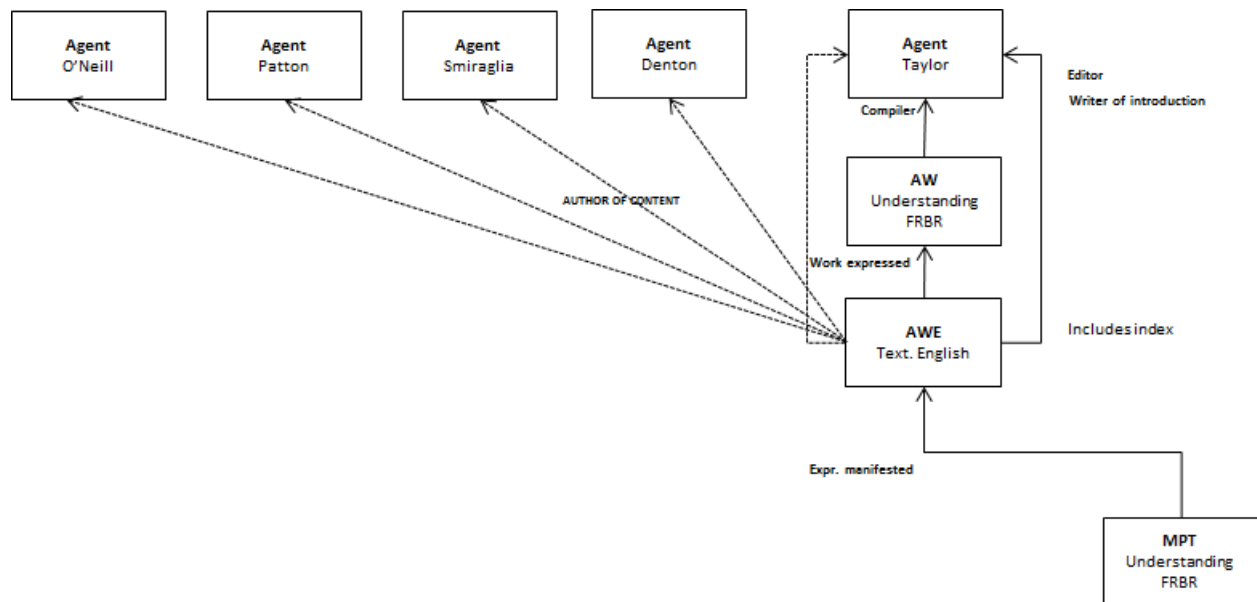
- Describe the MPT
  - Describe the DW that is a SW on Side A and its DWE
    - Relate the DW to the Agent: Simon & Garfunkel (performer)
  - Describe the DW that is a SW on Side B and its DWE
    - Relate the DW to the Agent: Simon & Garfunkel (performer)
- Relate each DWE to the MPT

We need further investigation before we can get into the relationships between Recording Works, Performance Works, composers, and lyricists

## 11. Aggregation Work--compilation: Understanding FRBR : what it is and how it will affect our retrieval tools / edited by Arlene G. Taylor. Libraries Unlimited, 2007

Example 2 in the WGA report

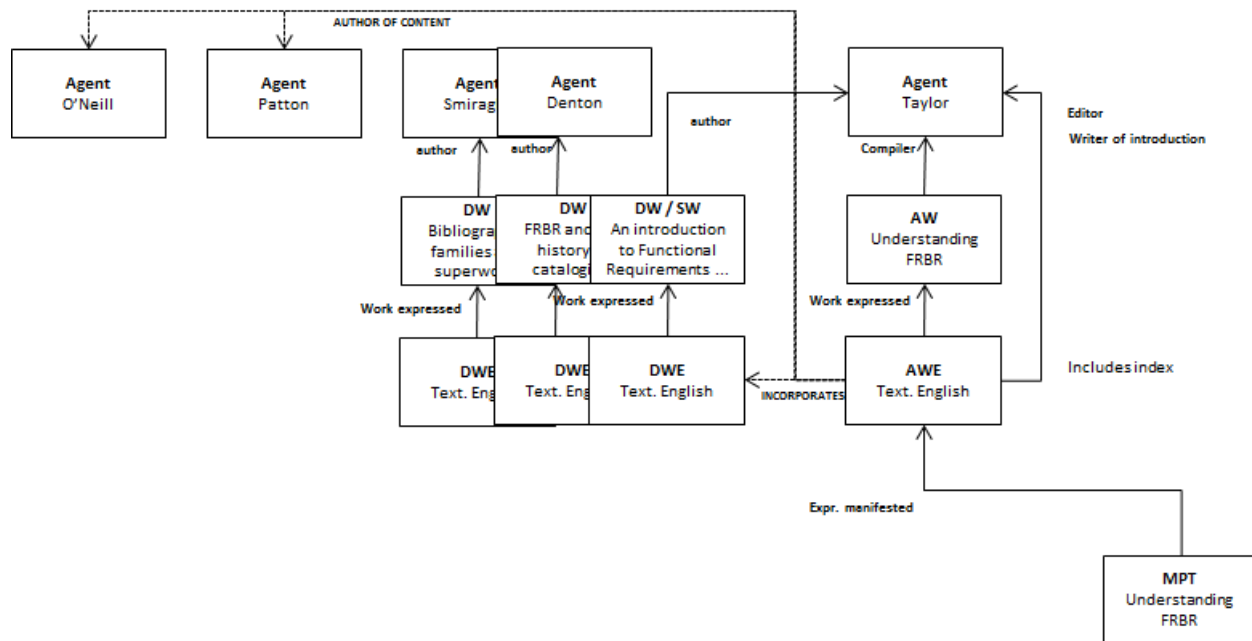
### Option 1



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

- Describe the MPT
- Describe the AW and its AWE
  - Relate the AW to the Agent: Taylor (compiler)
  - Relate the AWE to:
    - the Agent: Taylor (editor) and (writer of introduction)
    - the Agents who are creators of the DWs which we are not describing (writer of content)

**Option 2 (#11. Aggregation Work--compilation: Understanding FRBR : what it is and how it will affect our retrieval tools / edited by Arlene G. Taylor. Libraries Unlimited, 2007)**



We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

- Describe the MPT
- Describe the AW and its AWE
  - Relate the AW to the Agent: Taylor (compiler)
  - Relate the AWE to the Agent: Taylor (editor) and (writer of introduction)
- Describe one or more of the DW and their DWE
  - Relate the DW to the relevant Agents as authors
- Relate the AWE to:
  - the three described DWE (incorporates )
  - the Agents who are creators of the DWs which we are not describing (writer of content)
  - the MPT

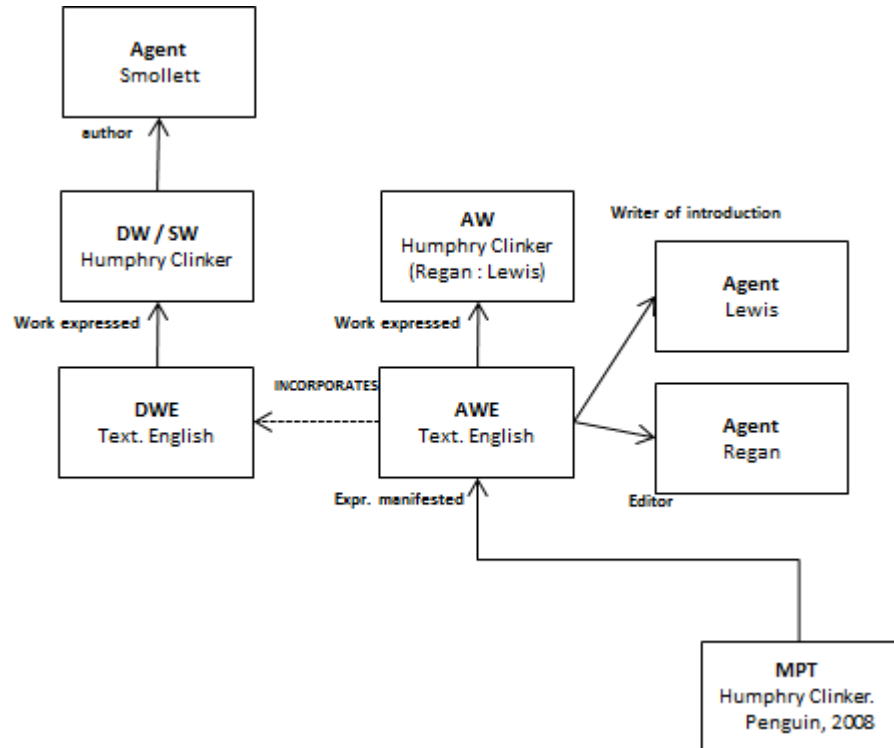
Why describe some of the DW/DWE data:

- Find the compilation under the names of the writers of the content, and change this Writer of content relationship into DW/DWE *Incorporated in* relationship if the DW/DWE is found published separately (as Denton and Smiraglia were):  
<http://yorkspace.library.yorku.ca/xmlui/bitstream/handle/10315/1250/denton-frbr-and-the-history-of-cataloging.pdf?sequence=1&isAllowed=y> and  
[https://pantherfile.uwm.edu/smiragli/www/Smiraglia\\_Bibliographic%20families%20and%20superworks.pdf](https://pantherfile.uwm.edu/smiragli/www/Smiraglia_Bibliographic%20families%20and%20superworks.pdf)



**12. Aggregation Work--augmentation: Humphry Clinker/ Tobias Smollett / edited by Shaun Regan ; with an introduction by Jeremy Lewis. Penguin, 2008.**

Example 3 in the WGA report



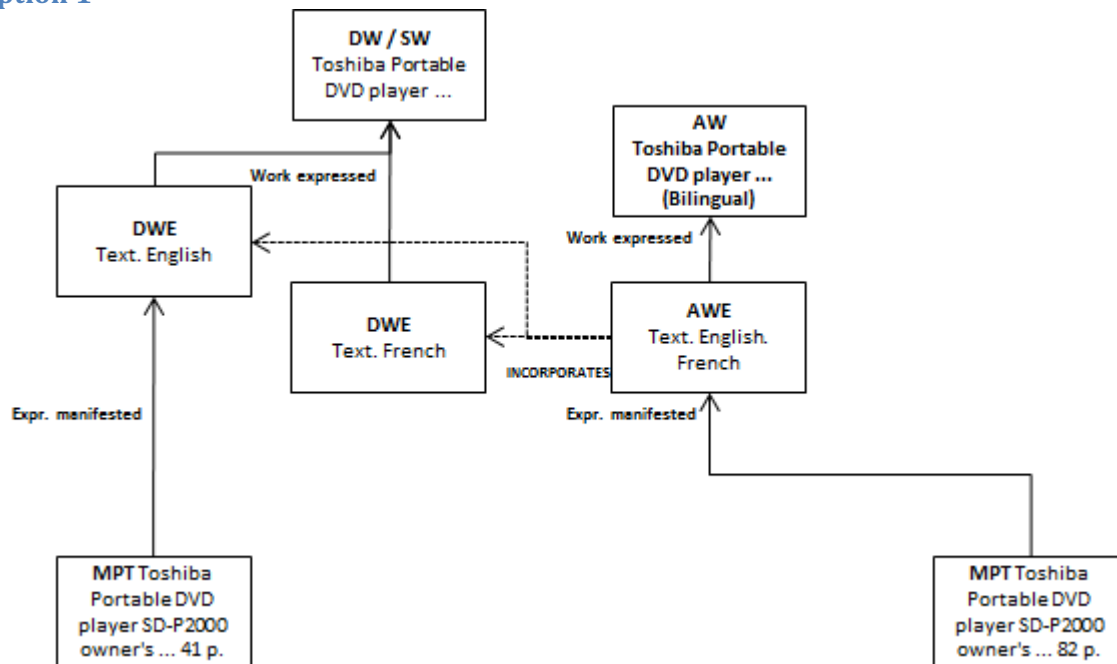
We know that this is published and that it is an AW because the manifestation embodies multiple distinct expressions.

- Describe the MPT
- Describe the DW that is a SW and is the predominant content of the MPT, and its DWE
  - Relate the DW to the Agent: Smollett (author)
- Describe the AW and AWE
- Relate the AWE to:
  - the Agent: Regan (editor)
  - the Agent: Lewis (writer of introduction)
  - the MPT

### 13. Aggregation Work—Parallel languages: Toshiba Portable DVD player SD-P2000 owner's manual. English and French + Single Work: Toshiba Portable DVD player SD-P2000 owner's manual. English

Example 4 in the WGA report

#### Option 1

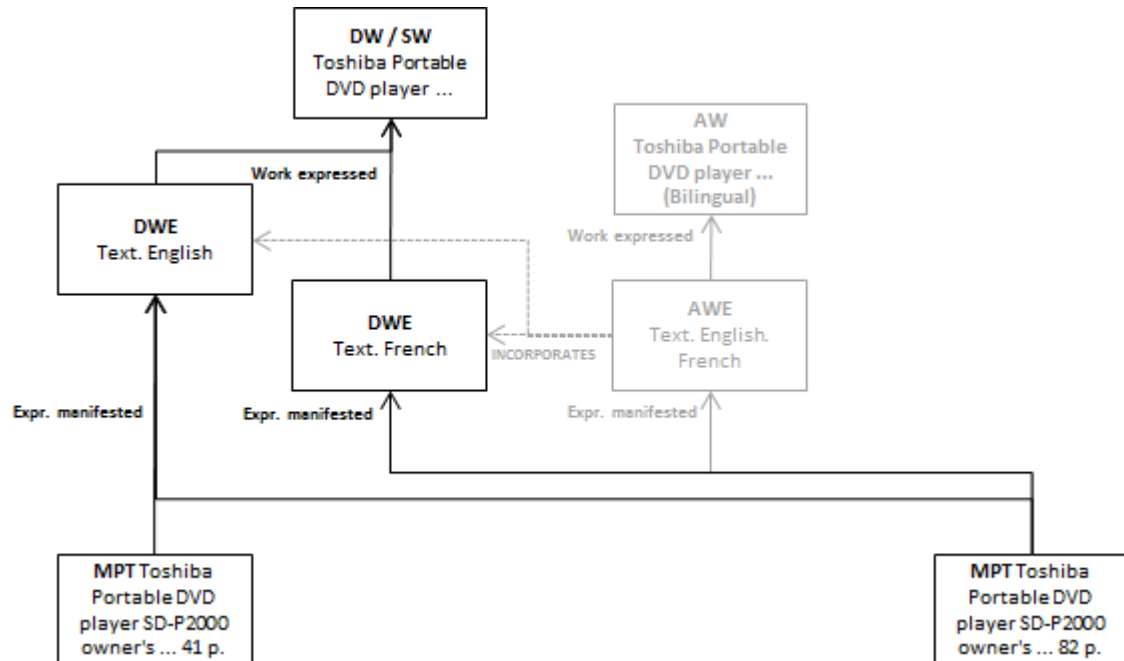


We know that the MPT in English is a published SW because it embodies only one distinct expression, and the MPT in English and French is a published AW because the manifestation embodies multiple distinct expressions (because somebody decided to put them together)

- Describe the MPT (English & French)
- Describe the DW that is a SW
  - Describe its DWE. French
  - Describe its DWE. English
- Describe the AW and AWE. French. English
- Relate the AWE to
  - the two DWE (incorporates )
  - the MPT
- Describe the MPT (English only)
  - Relate MPT (English only) to DWE. English

We treat translations of a work as different expressions of the same work. In the case of the bilingual MPT, someone has aggregated two expressions into one, creating an AW and AWE. The AW does not have a collective title, or any attributes or relationships that need to be identified, but it might be useful for someone to know that a bilingual expression of the work exists.

**Option 2 (#13: Aggregation Work—Parallel languages: Toshiba Portable DVD player SD-P2000 owner's manual. English and French + Single Work: Toshiba Portable DVD player SD-P2000 owner's manual. English)**



We know that the MPT in English is a published SW because it embodies only one distinct expression, and the MPT in English and French is a published AW because the manifestation embodies multiple distinct expressions (because somebody decided to put them together)

- Describe the MPT (English & French)
- Describe the DW that is a SW
  - Describe its DWE. French
  - Describe its DWE. English
- Do not describe the AW and AWE. French. English
- Relate the MPT (English & French) to
  - DWE. French
  - DWE. English
- Describe the MPT (English only)
  - Relate the MPT (English only) to DWE. English

## Appendix C: RDA instructions related to aggregate resources

In order to review RDA compliance with various models of aggregates, it is necessary to identify everything that RDA has to say about aggregates.

This appendix lists the RDA instructions that have been identified by the Group, thus far, as being related in some way to the concept of aggregation. Further investigations will be done to identify instructions containing some other possibly relevant keywords, such as: aggregate; aggregated; aggregation; augmentation; collection; compilation; component part; composite; container; distinct; parallel; part; section; set; unit

### 0 Introduction

#### [0.6.8 Section 5](#): Recording Primary Relationships between Work, Expression, Manifestation, and Item

### 1 General Guidelines on Recording Attributes of Manifestations and Items

#### 1.1 Terminology

[1.1.4](#) Comprehensive, Analytical, and Hierarchical Description

[1.1.5](#) Work, Expression, Manifestation, and Item

#### 1.5 Type of Description

1.5.1 Different Ways of Describing a Resource

1.5.2 Comprehensive Description

1.5.3 Analytical Description

1.5.4 Hierarchical Description

### 2 Identifying Manifestations

#### [2.1](#) Basis for Identification of the Resource

2.1.2 Comprehensive Description

2.1.2.2 Resource issued as a single unit

2.1.2.3 Resource Issued in More Than One Part

2.1.2.4 Integrating Resource

2.1.3 Analytical Description

2.1.3.2 Single Part

2.1.3.3 More Than One Part

2.1.3.4 Integrating Resource

## **2.2 Sources of Information**

2.2.2.1 General Guidelines

2.2.2.3.1 Tangible Resources

2.2.2.4.1 Tangible Resources

2.2.3 More Than One Preferred Source of Information

## **2.3 Title**

[2.3.1.7](#) Titles of Parts, Sections, and Supplements

[2.3.2.6](#) Collective Title and Titles of Individual Contents

2.3.2.6.1 Comprehensive Description

2.3.2.6.2 Analytical Description

[2.3.2.9](#) Resource Lacking a Collective Title

## **3 Describing Carriers**

### **3.1 General Guidelines on Describing Carriers**

[3.1.4](#) Resources Consisting of More Than One Carrier Type

[3.1.4.3](#) Recording Predominant Carrier Type and Extent in General Terms

### **3.4 Extent**

3.4.1.1 Scope

[3.4.1.10](#) Incomplete Resource

[3.4.1.11](#) Comprehensive Description of a Collection

[3.4.1.12](#) Analytical Description of a Part

3.4.1.12.2 Location of the Part within the Larger Resource

3.4.3.2 Recording Extent of Notated Music

### **3.21 Note on Carrier**

[3.21.2.5](#) Score and One or More Parts, or Multiple Parts in a Single Physical Unit

[3.21.2.6](#) Pagination Forming Part of a Larger Sequence

## **5 General Guidelines on Recording Attributes of Works and Expressions**

### **5.1 Terminology**

[5.1.2](#) Work and Expression

## 6 Identifying Works

### 6.2.2 Preferred Title for the Work

[6.2.2.4](#) Works Created after 1500

[6.2.2.9](#) Recording the Preferred Title for a Part or Parts of a Work

For parts of musical works, apply instead the instructions at [6.14.2.7](#)

For parts of religious works, apply instead the instructions at [6.23.2.9–6.23.2.20](#).

[6.2.2.10](#) Recording the Preferred Title for a Compilation of Works by One Person, Family, or Corporate Body

6.2.2.10.1 Complete Works

6.2.2.10.2 Complete Works in a Single Form

6.2.2.10.2 Other Compilations of Two or More Works

[6.2.2.11](#) Recording the Preferred Title for a Compilation of Works by Different Persons, Families, or Corporate Bodies

6.2.2.11.1 Collective Title

6.2.2.11.2 No Collective Title

### [6.3](#) Form of Work

### 6.9 Content Type

[6.9.1.3](#) Recording Content Type

### 6.14-26 Additional Instructions for ... Works

6.14.2 Preferred Title for a Musical Work

[6.14.2.7](#) Recording the Preferred Title for a Part or Parts of a Musical Work

[6.14.2.8](#) Recording the Preferred Title for a Compilation of Musical Works by One Composer

For compilations of musical works by different composers (see [6.2.2.11](#))

6.19.2 Preferred Title for a Legal Work

[6.19.2.5.1](#) Compilations of Laws, Etc.

[6.19.2.8](#) Compilations of Treaties

6.19.3 Variant Title for a Legal Work

[6.19.3.6](#) Conventional Collective Titles

6.23.2 Preferred Title for a Religious Work

[6.23.2.9-20](#) Recording preferred titles for parts of sacred scriptures

**6.27 Constructing Access Points to Represent Works and Expressions**

6.27.1.2 Works Created by One Person, Family, or Corporate Body

[Example of Title Proper used as Preferred Title for a collection of performed music by a single musical group](#)

[6.27.1.4](#) Compilations of Works by Different Persons, Families, or Corporate Bodies

[6.27.1.6](#) Commentary, Annotations, Illustrative Content, Etc., Added to a Previously Existing Work

[6.27.2](#) Authorized Access Point Representing a Part or Parts of a Work

Parts of musical works. For a part or parts of a musical work, apply instead the instructions at [6.28.2](#).

Parts of religious works. For a part or parts of a religious work, apply instead the instructions at [6.30.2](#)

[6.27.4.4](#) Variant Access Point Representing a Compilation of Works by One Person, Family, or Corporate Body

**6.28-31 Additional Instructions for ... Works**

[6.28.4.4](#) Variant Access Point Representing a Compilation of Musical Works

[6.30.2](#) Authorized Access Point Representing a Part or Parts of a Religious Work

**7 Describing Content**

[7.15](#) Illustrative Content

[7.16](#) Supplementary Content

[7.18](#) Sound Content

[7.22.1.4](#) Duration of Component Parts

## **17 General Guidelines on Recording Primary Relationships**

[17.1.2](#) Work, Expression, Manifestation, and Item

[17.3](#) Core Elements

[17.8](#) Work Manifested

[17.10](#) Expression Manifested

## **19 Persons, Families, and Corporate Bodies Associated with a Work**

[19.1.2](#) Recording Persons, Families, and Corporate Bodies Associated with a Work

[19.2.1.1](#) Scope

## **20 Persons, Families, and Corporate Bodies Associated with an Expression**

[20.1.2](#) Recording Persons, Families, and Corporate Bodies Associated with an Expression

## **21 Persons, Families, and Corporate Bodies Associated with a Manifestation**

[21.1.2](#) Recording Persons, Families, and Corporate Bodies Associated with a Manifestation

## **22 Persons, Families, and Corporate Bodies Associated with an Item**

[22.1.2](#) Recording Persons, Families, and Corporate Bodies Associated with an Item

## **Glossary**

[Component part](#)

[Collective title](#)

[Conventional Collective Title](#)

Correspondence

Essays

Novels

Plays

Poems



Prose Works

Short Stories

Speeches

[Part](#)

[Subunit](#)

[Unit](#)