

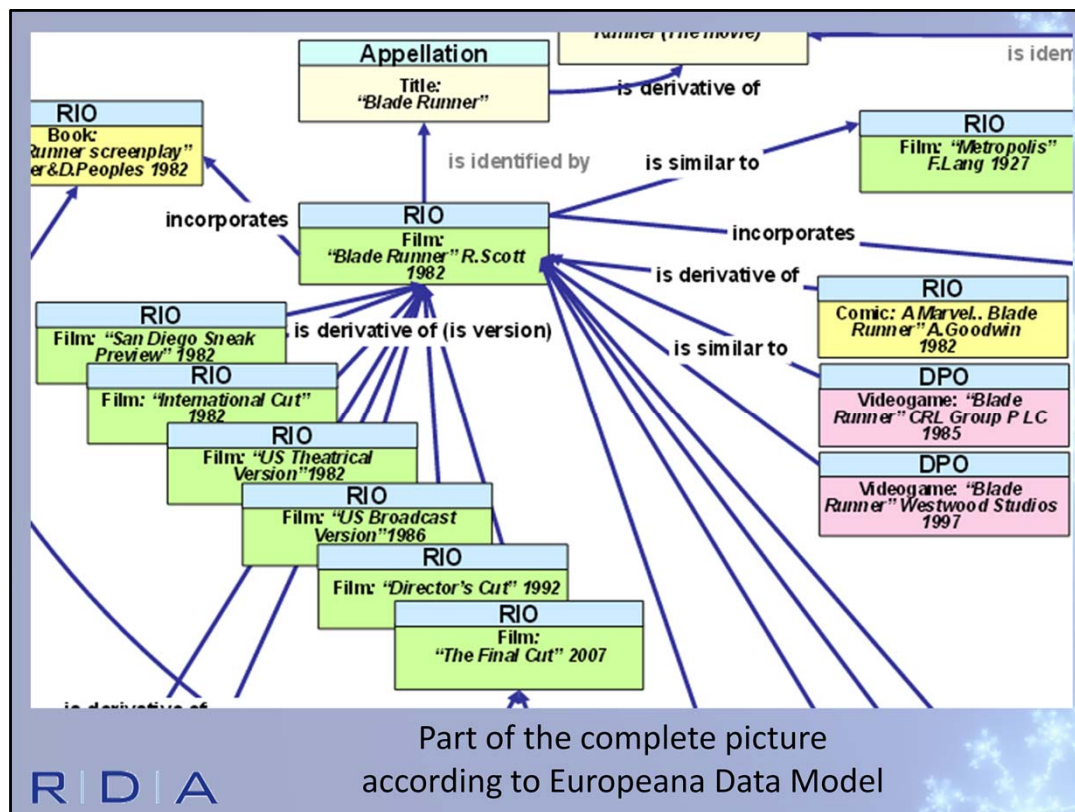
# Blade runner: my first R-Ball

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Presented to the first Jane-athon,  
January 30, 2015 at ALA MidWinter in  
Chicago, USA

R | D | A

I originally set aside a morning to explore RIMMF3, version 3 of RDA in Many Metadata Formats. I forced myself to stop three days later – I was having so much fun, cataloguing instincts took over, and I wanted to see if FRBR really worked with the RDA instructions across the modern diversity of information resources.



Why Blade Runner

Well, you have to start somewhere ...

And I was familiar with this diagram used to illustrate the Europeana Data Model

Plus I like the movie, the novel, and the soundtrack!

**nls** National Library of Scotland  
Leabharlann Nàiseanta na h-Alba

[Login](#) if you are a registered user  
[Register](#) for a library card

[Help](#)

[New search](#) [My searches](#) [My list](#) [My account](#) [Ask a librarian](#) [Advocates Library](#)

[Gaelic version](#)

**Main catalogue**

[Search](#) [Advanced search](#) [Author](#) [Search history](#)

1. Search or: blade runner 2. Choose a search type: **Title**

3. Quick limits: **None**

Records per page: **25 records per page** [Search](#)

**Search tips**

- For title and journal title searches, remove 'the' or any other leading article
- For author searches, use surname then forename (for example **Rankin Ian**)
- For keyword searches, use quotes to search phrases: **"world wide web"**

<http://main-cat.nls.uk/vwebv/searchBasic>

**Simple search**

**RIDA**

As soon as I open RIMMF3, I dive straight in after a cursory glance at tutorials, documentation, etc.

I start from close to home. The National Library of Scotland (a 30 minute walk from where I live) has an open license policy for its metadata, and makes it easy to download MARC21 records.

\* I use the search in beginner mode ...

\* I just enter "blade runner" into the default search form.

The screenshot shows the National Library of Scotland (nls) website. The header includes the nls logo, the text 'National Library of Scotland' and 'Leabharlann Nàiseanta na h-Alba', and links for 'Login if you are a registered user' and 'Register for a library card'. A navigation bar contains buttons for 'New search', 'My searches', 'My list', 'My account', 'Ask a librarian', and 'Advocates Library', along with a 'Help' link and a 'Gaelic version' button.

The main content area displays search results for the query 'Title(blade runner)'. It states '14 results found for the search Title(blade runner)' and provides instructions: 'To request an item, click on a title to go to the full record then select **Request this item**'. Below this are buttons for 'Edit / new search' and 'Save search'.

The results are listed in a table-like format. The first result is highlighted with a red circle around its checkbox and the 'Export' button. The results are:

Item	Author	Year	ISBN	Availability
1	Blade runner / Matt Hills.	Hills, Matt, 1971- 2011	PB2.212.22/10	Available, General Reading Room (stored offsite)
2	Blade runner / Scott Bukatman.	Bukatman, Scott, 1957- 1997	HP1.98.845	Available, General Reading Room (stored in George IV Bridge)
3	Blade runner / Scott Bukatman.	Bukatman, Scott, 1957- 2012	PB5.212.1031/12	

On the right side, there is a 'Refine your search:' section with links for 'Electronic resources', 'In English', 'In Scottish Gaelic', 'In Scots', 'Published this year', 'Published in the past 3 years', 'Published in the past 10 years', 'Map collection', 'Printed maps', and 'Reading Room collection'.

The footer features the 'R | D | A' logo.

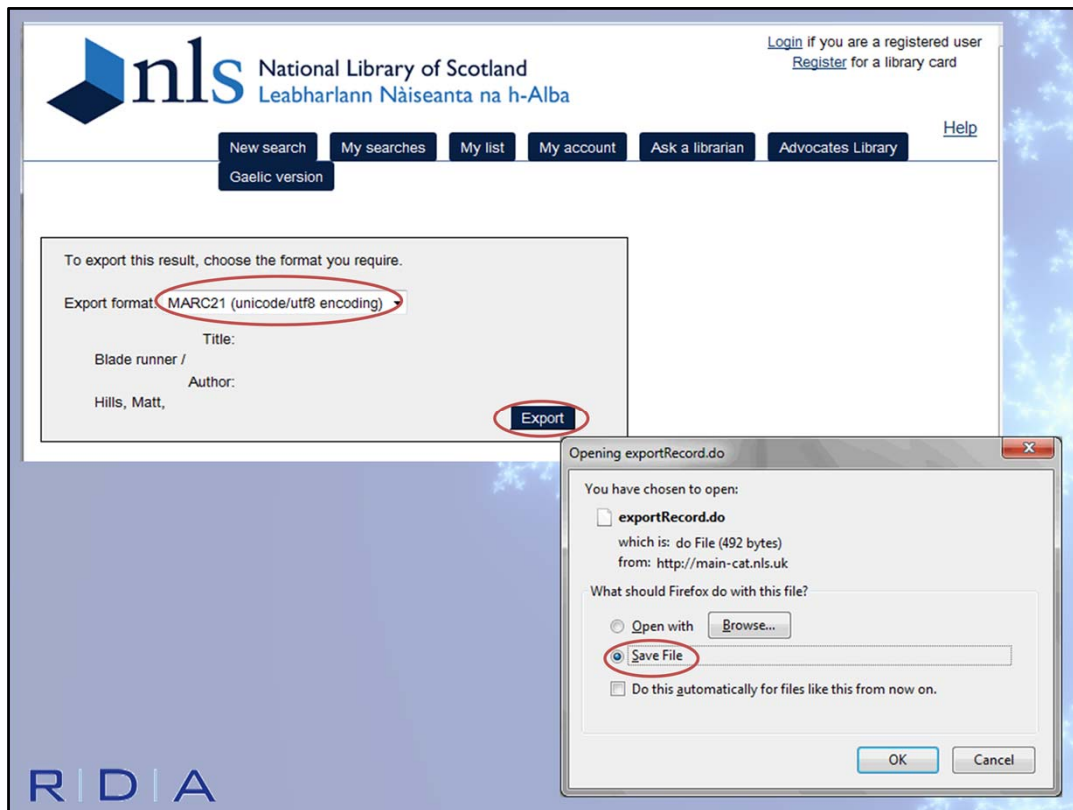
I get 14 hits. I am going to export them one at a time until I get familiar with the data flow.

The first hit looks promising. (I go to the “full” display and the summary indicates this is a work about the movie “Blade Runner”.)

\* I select the record by clicking its box.

\* Then I export the selected record using the Export option.

\* Note that I can also email the record or add it to a personal list.



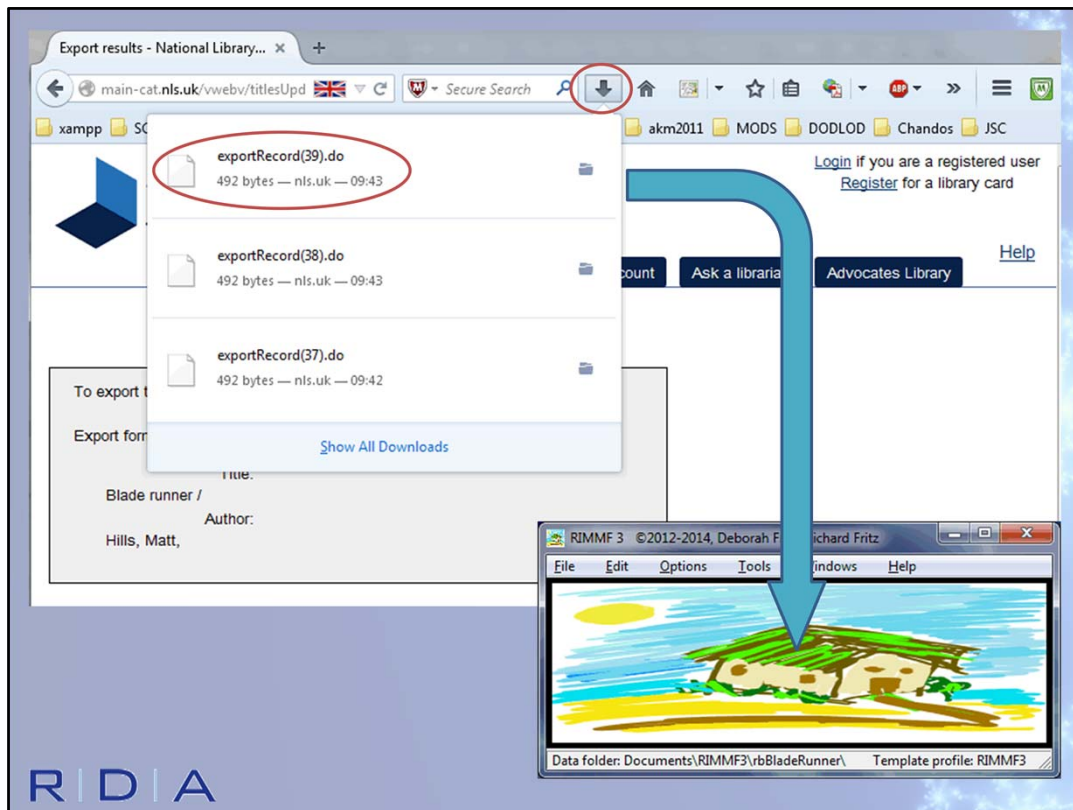
The Library offers a choice of formats for exporting records.

\* I select the MARC21 Unicode export format.

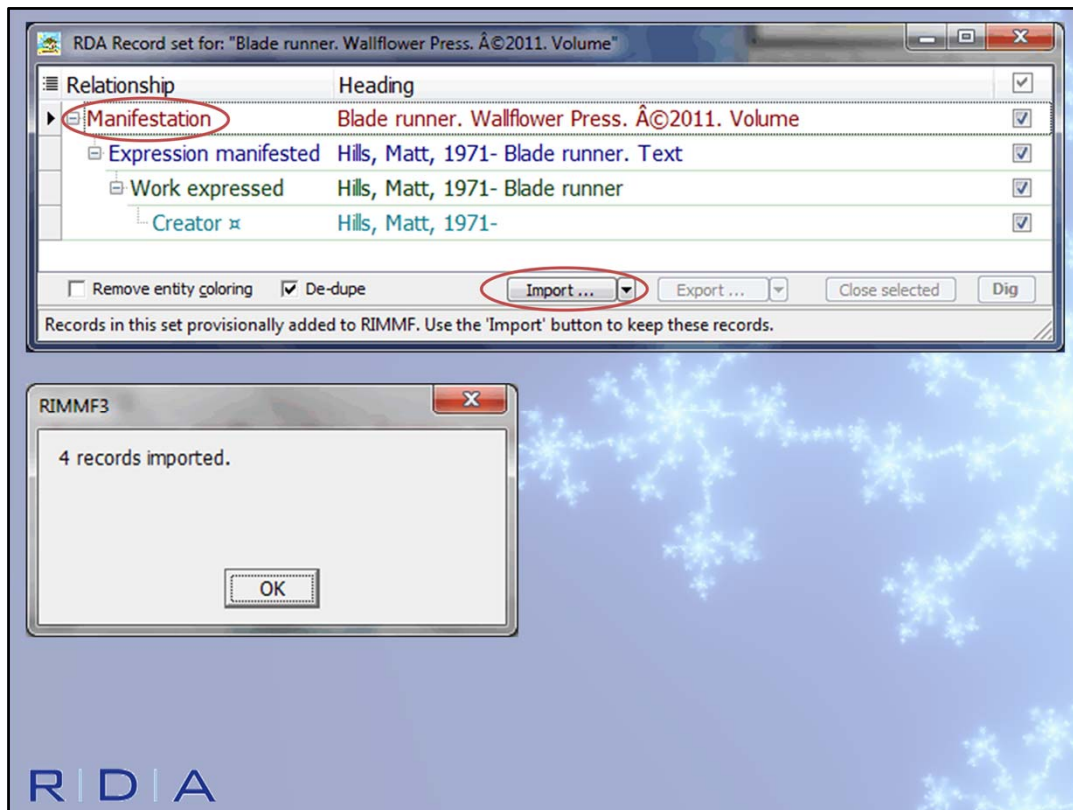
(MARC21 Latin 1, and "Raw MARC21" are also available.)

\* Then I use the Export option to export the MARC21 record.

\* I save the file on my computer.



- \* I use the download access option on my web browser to display recent files.
- \* Then I just drag and drop the downloaded MARC21 export file onto RIMMF.



RIMMF tells me it has created a set of 4 RDA entity records from the MARC21 record.

The set includes a Work-Expression-Manifestation (WEM) stack, and the Person with primary responsibility for the Work.

RIMMF has pre-selected all 4 records. That is good enough for me.

\* I use the import option to import all the selected records.

RIMMF notifies me that all 4 records have been imported.

\* Then I click on the Manifestation record to open it up in the RIMMF editor.



Element Label	Text	RDA Rule	AAP
Manifestation			
RIMMF Identifier *	brgd00000827	no rule	
Composite Key *	Blade runner. Wallflower Press. Å©2011. Volume		
Title		2.3	
Title Proper	Blade runner	2.3.2	<input checked="" type="checkbox"/>
Statement of Responsibility		2.4	
Statement of Responsibility Relating to Title Proper	Matt Hills	2.4.2	
Publication Statement		2.8	
Place of Publication	London	2.8.2	<input type="checkbox"/>
Publisher's Name	Wallflower Press	2.8.4	<input checked="" type="checkbox"/>
Date of Publication	©2011	2.8.6	<input checked="" type="checkbox"/>
Copyright Date	©2011	2.11	<input type="checkbox"/>
Series Statement		2.12	
Title Proper of Series	Cultographies	2.12.2	<input type="checkbox"/>
Mode of Issuance	single unit	2.13	<input type="checkbox"/>
Identifier for the Manifestation	ISBN 9781906660338 (pbk.)	2.15	
Identifier for the Manifestation	ISBN 1906660336 (pbk.)	2.15	
Note On Manifestation	Formerly CIP.	2.17	
Media Type	unmediated	3.2	<input type="checkbox"/>
Carrier Type	volume	3.3	<input checked="" type="checkbox"/>
Extent statement †	128 p	3.4	<input type="checkbox"/>
Number of units †	128	3.4.1.3	
Type of Unit (Text) ×	pages	3.4.5	<input type="checkbox"/>
Dimensions	18 cm	3.5	<input type="checkbox"/>
Expression Manifested	Hills, Matt, 1971- Blade runner. Text ·brgd00000828·	17.1+	

The Manifestation record looks basically correct according to the RDA instructions.

The Media type and Carrier type values are correct.

\* These elements seem to contain data outside of their scope.

The copyright symbol should be removed from Date of publication.

The format qualifiers should be removed from Identifier for the Manifestation.

The metadata about the record should be removed from Note on Manifestation.

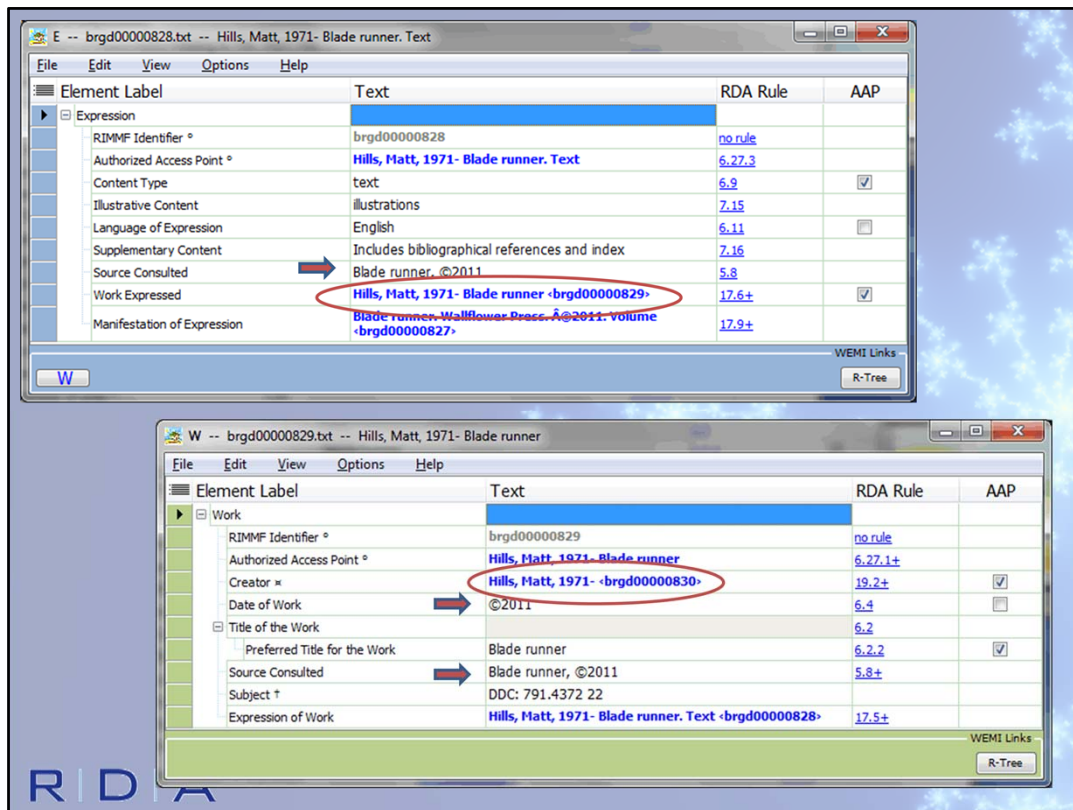
These are simple to delete inside the value boxes or by using <F6> when the element is highlighted.

The other elements and values seem to be compatible with RDA, but the Item is not in hand.

\* Then I (double) click on the Expression Manifested link to open the Expression record in the RIMMF editor.

Note that I could also click on the “E” button at the bottom of the Manifestation record.





The Expression record looks fine. The content type is correct.

\* I am not sure about the Source consulted element ...

\* Then I click on the Work Expressed link to open the Work record in the RIMMF editor.

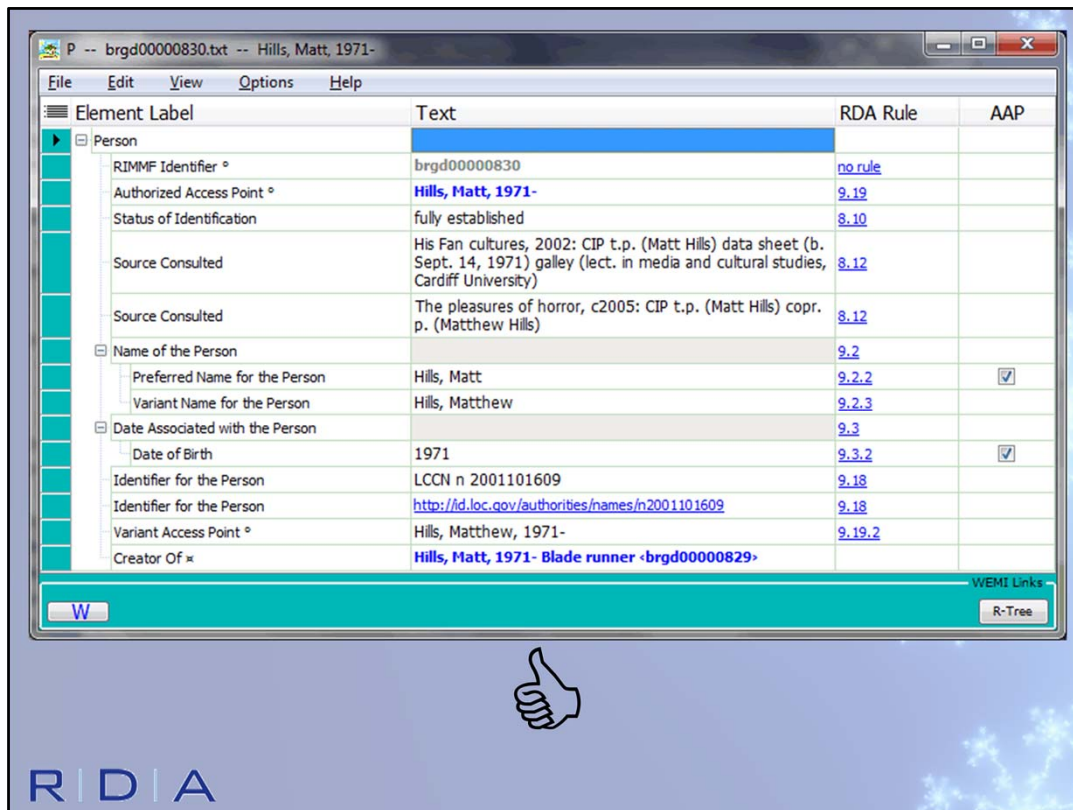
It looks basically correct.

\* But there's another Source Consulted element ...

\* And another copyright symbol to remove.

\* Then I click on the Creator link to open the Person record in the RIMMF editor.

Note that I could refine the Creator element by selecting the relationship designator for Author.



The Person record looks fine.

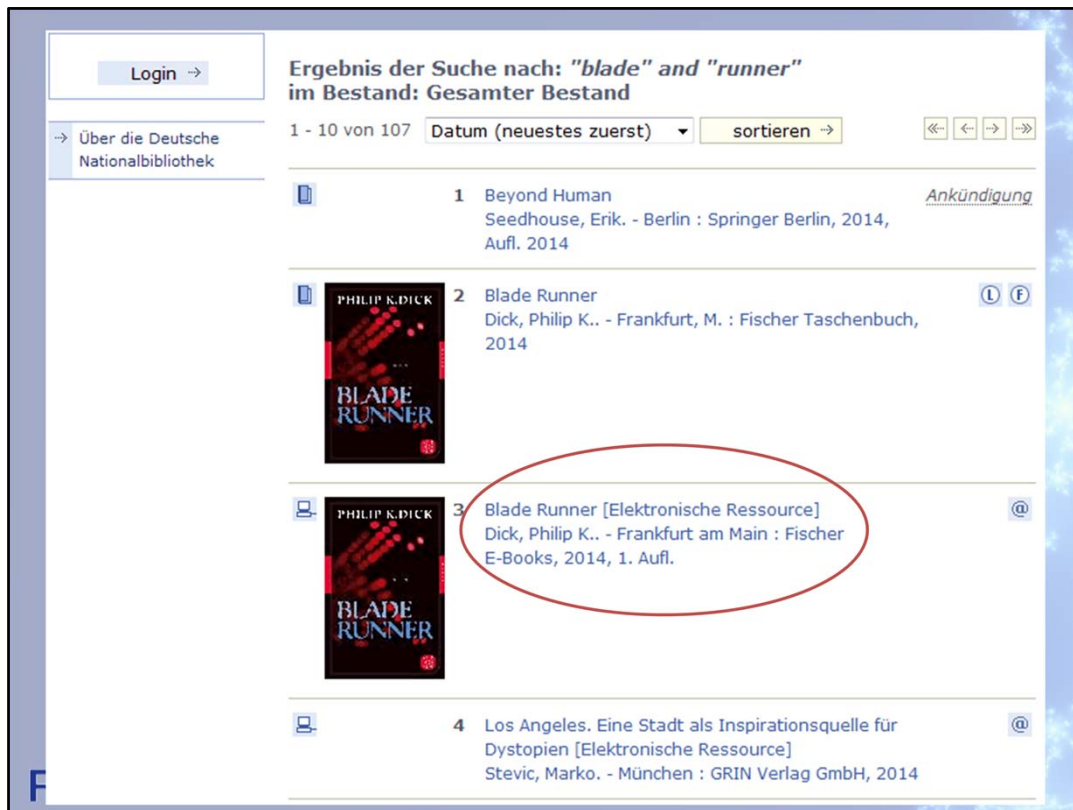
\* I have successfully imported and FRBRized a MARC21 record!



Next I want to try the Deutsche Nationalbibliothek, the German National Library. It also makes it easy to download MARC21 records.

As before, I use the search in beginner mode ...

\* I just enter "blade runner" into the default search form.



I get 107 hits. I am going to export them one at a time because not all of the metadata is available in MARC21 format.

I go to the "full" display for the first two hits, and see that they do not have a MARC download.

\* I select the third record by clicking its brief display.

Treffer 3 von 107

Link zu diesem Datensatz	<a href="http://d-nb.info/1057953342">http://d-nb.info/1057953342</a>
Titel/Bezeichnung	Blade Runner [Elektronische Ressource] : Roman Fischer Klassik PLUS / Philip K. Dick
Person(en)	Dick, Philip K. Wölfl, Norbert [Übers.]
Ausgabe	1. Aufl.
Verleger	Frankfurt am Main : Fischer E-Books
Erscheinungsjahr	2014
Umfang/Format	Online-Ressource Dateiformat: epub
Parallele Ausgabe(n)	Druckausg.: ISBN: 978-3-596-90559-1 Druckausg. Dick, Philip K.: Blade Runner

**PHILIP K. DICK**  
**BLADE RUNNER**

**Aktionen**

- In meine Auswahl übernehmen
- Druckansicht
- MARC21-XML-Repräsentation dieses Datensatzes**
- RDF/XML-Repräsentation dieses Datensatzes
- Dokumentation Linked Data
- bf: BIBFRAME-Repräsentation dieses Datensatzes
- Projekt BIBFRAME
- Korrekturanfrage

Lieferbar bei [buchhandel.de](http://buchhandel.de)

Teilen

**R | D | A**

Opening 1057953342\_marcxml.xml

You have chosen to open:

☐ 1057953342\_marcxml.xml  
which is: XML Document (6.5 KB)  
from: <http://d-nb.info>

What should Firefox do with this file?

☐ Open with Adobe Dreamweaver CSS5.5 (default)

☒ **Save File**

☐ Do this automatically for files like this from now on.

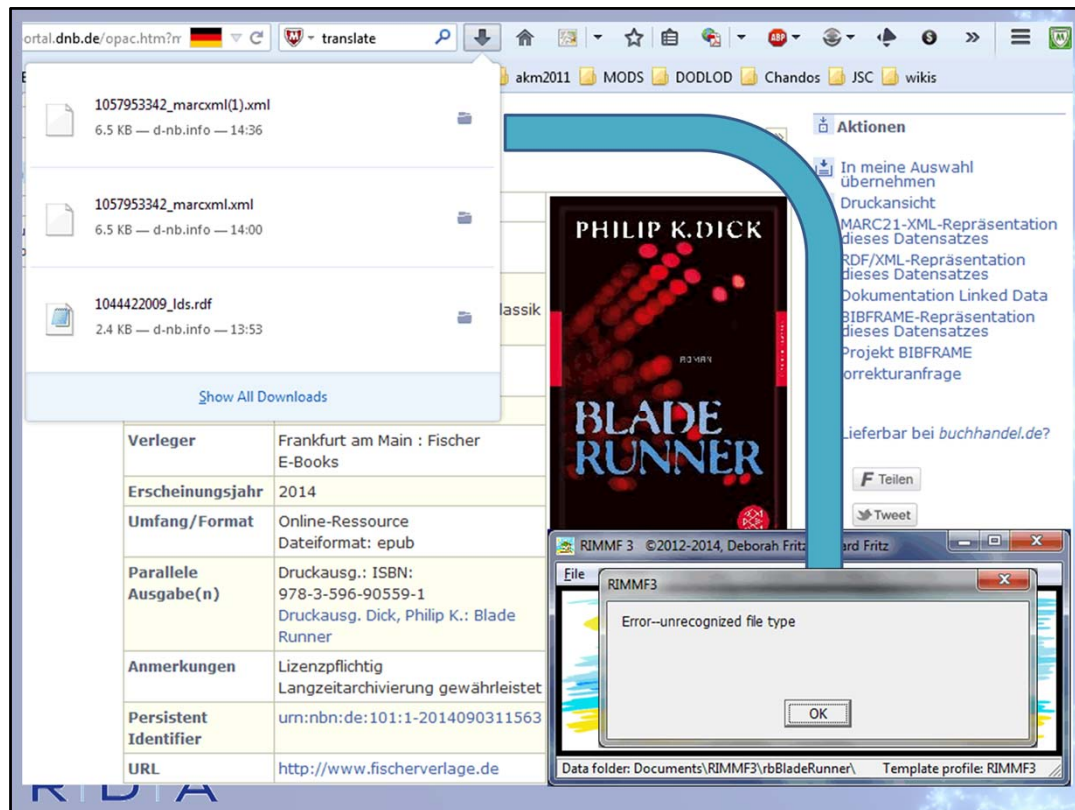
OK Cancel

The record is available in MARC21 XML format.

I note also that it is available in RDF/XML and BIBFRAME formats, but these are lossy, do not use the RDA namespace, and cannot be imported into RIMMF.

\* I click on the MARC21-XML option.

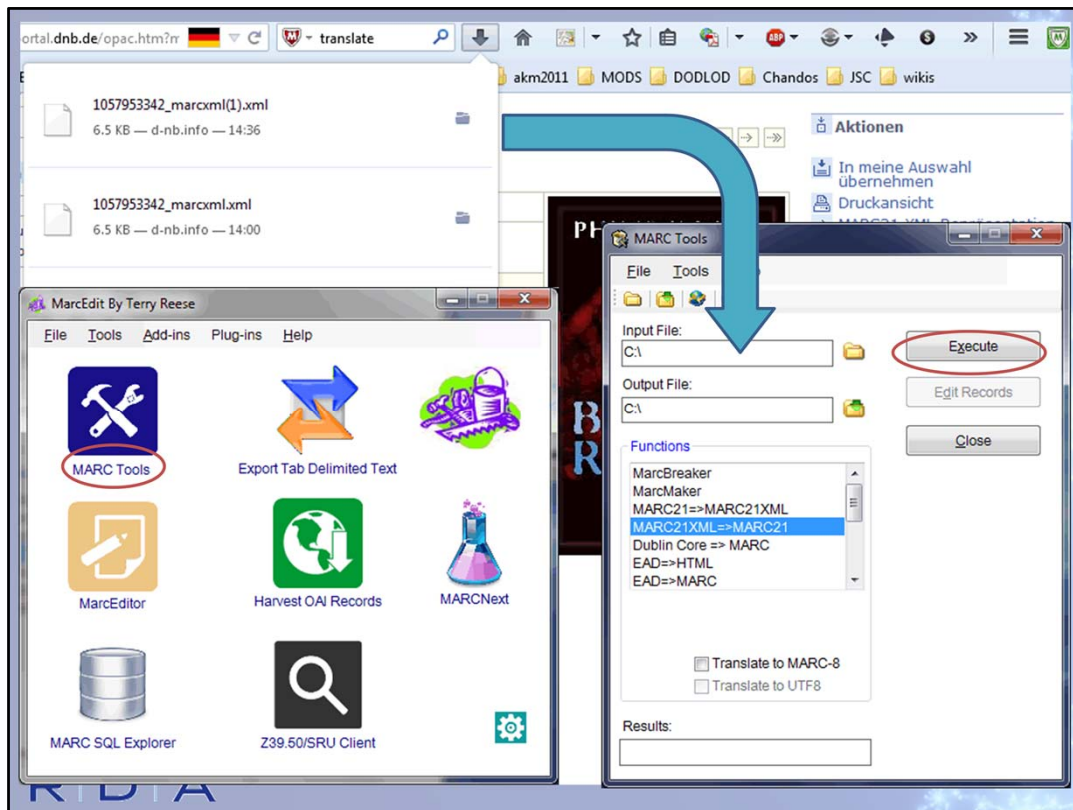
\* And choose to save the download file.



As before, I use the download access option on my web browser to display recent files.

\* Then I just drag and drop the downloaded MARC21 export file onto RIMMF.

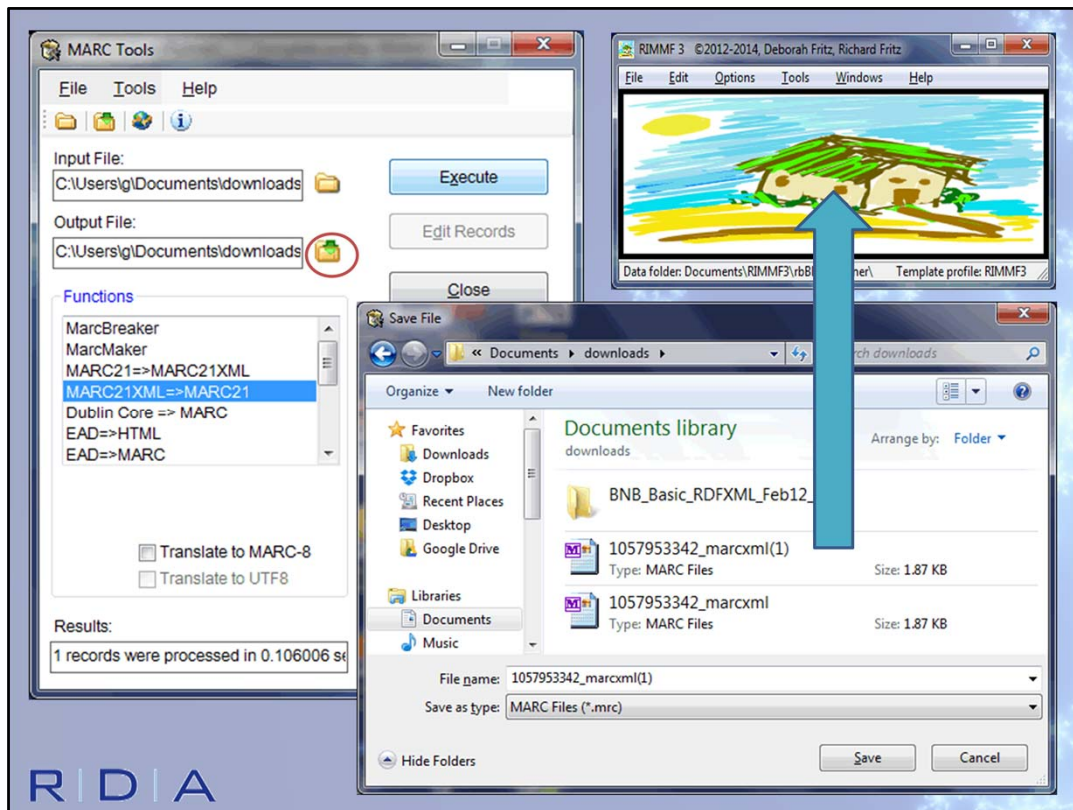
\* But this time RIMMF displays an error message: it does not recognize the file type.



This is not a problem.

- \* I know that I can convert the file format using MarcEdit.
- \* MarcEdit is a suite of components.
- \* The MARC Tools component of MarcEdit converts various file formats.
- \* I just drag and drop the downloaded MARC21 export file onto the MARC Tools Input File box, make sure the MARC21XML=>MARC21 function is selected, and use the Execute option.



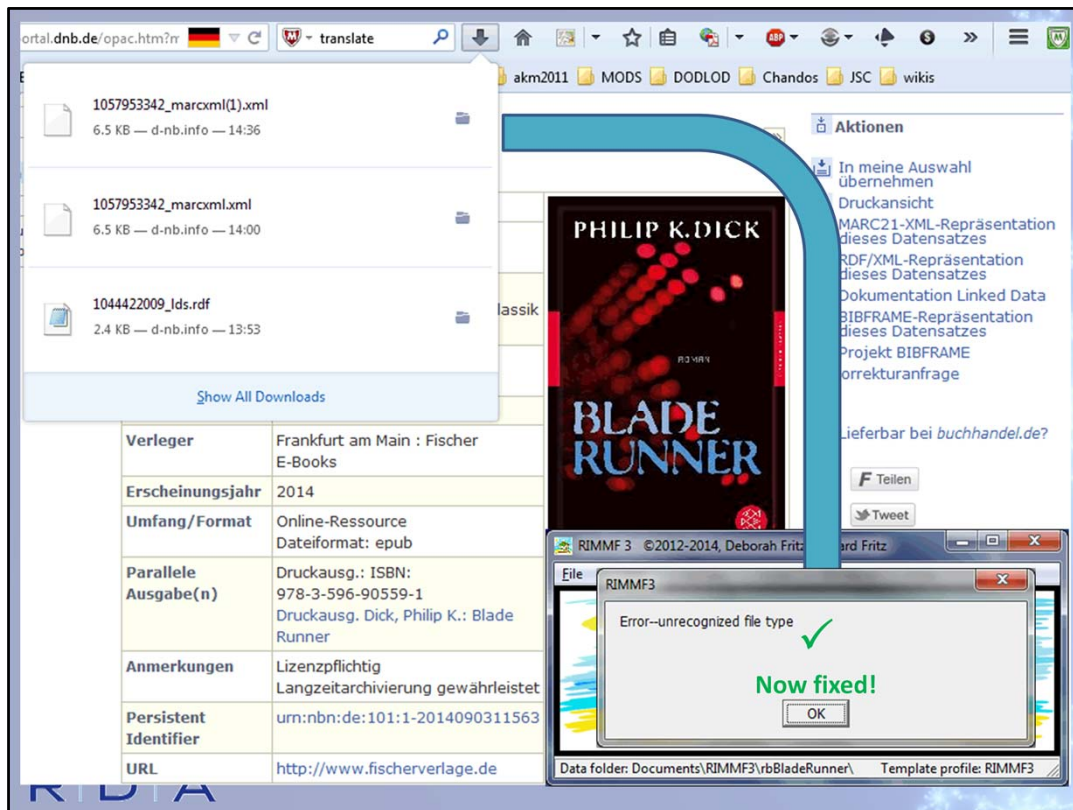


MARC Tools converts the file containing the MARC21 record.

\* I can find the converted file by using the folder icon beside the Output File box.

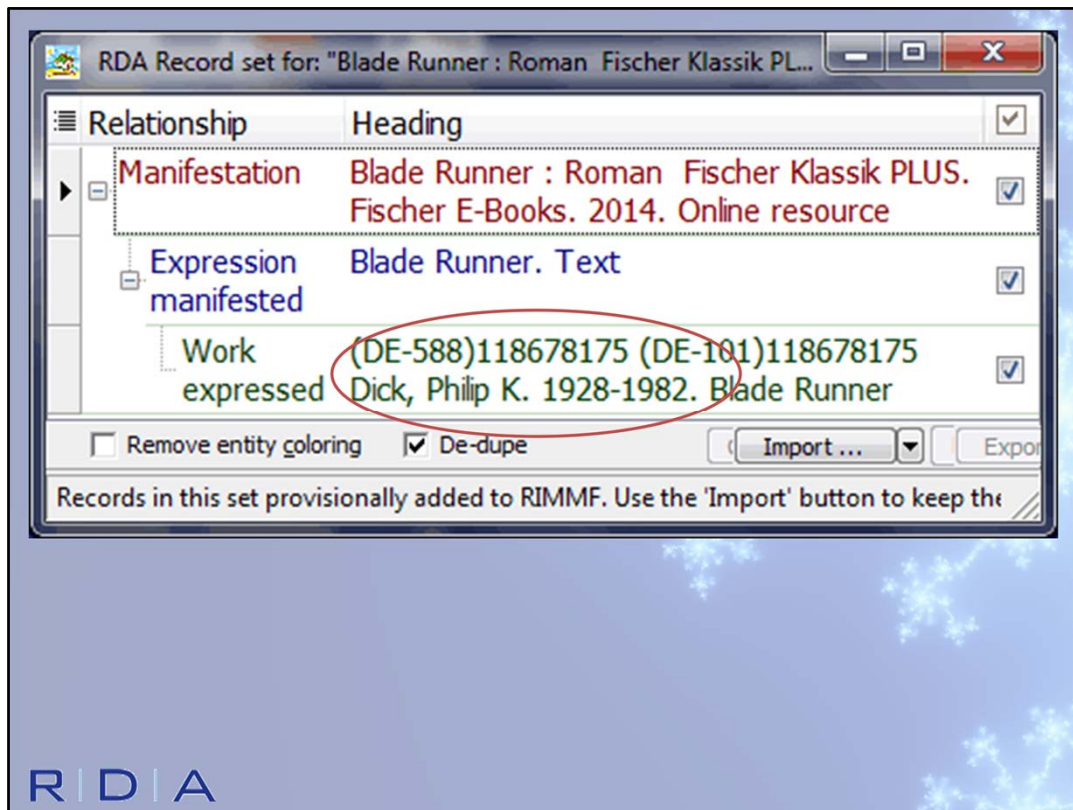
MARC Tools assumes the output file is in the same folder as the input file, and knows that it is a MARC (.mrc) file.

\* Now I can drag and drop the file onto RIMMF.



RIMMF3 has been updated and now allows drag and drop of the xml file type.

But MarcEdit can be used to convert other sources to MARC for loading into RIMMF.



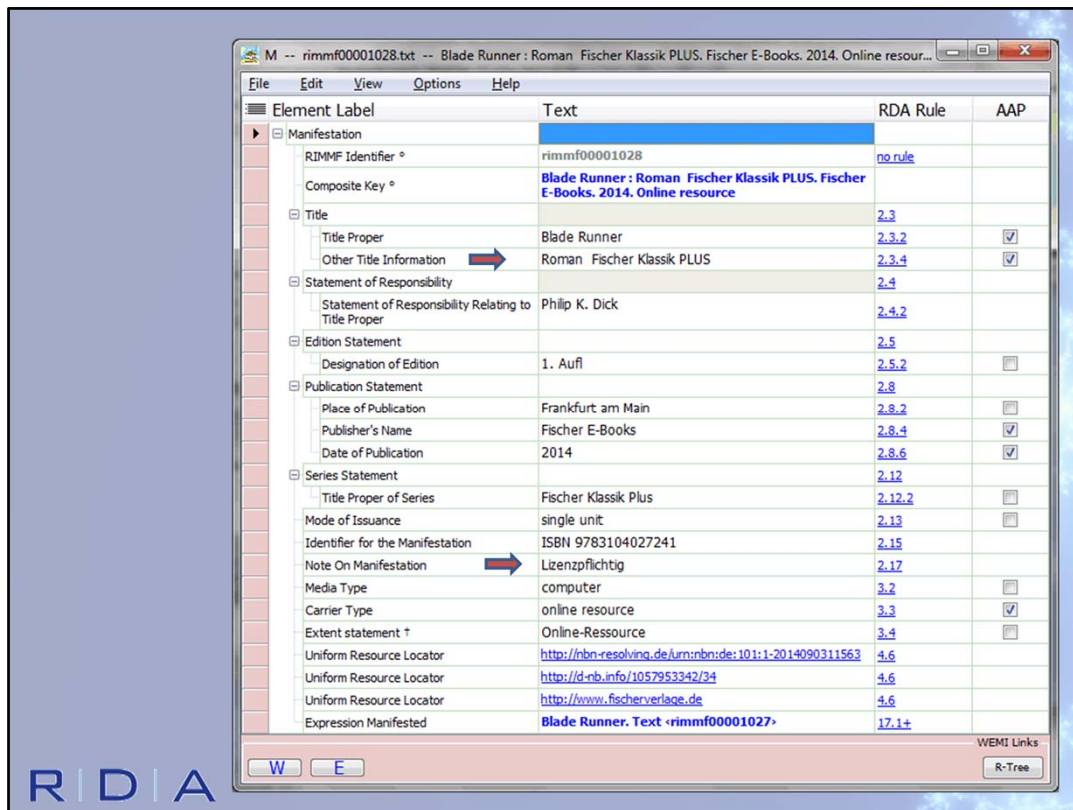
RIMMF tells me it has created a set of 3 RDA entity records from the MARC21 record.

The set includes a Work-Expression-Manifestation (WEM) stack. Unlike before, there is no record for the Person with primary responsibility for the Work.

I note that the AAP for the Work starts with what looks like an identifier; maybe this is why RIMMF cannot find Philip K. Dick!

RIMMF has pre-selected all 3 records. That is good enough for me.

I use the import option to import all the selected records, etc. and open up the Manifestation record.

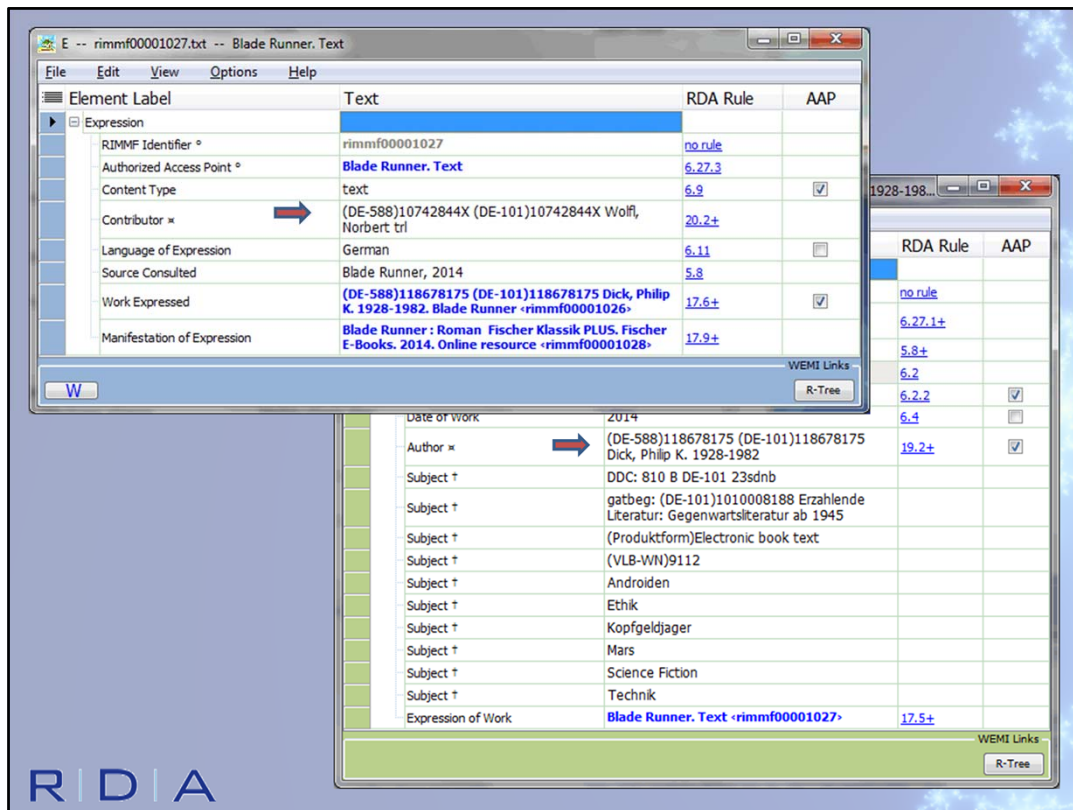


This looks fine, from what I can read in English.

The Media Type and Carrier Type are correct.

\* Other Title Information has a double space – not sure about that. “Roman” and the series title should perhaps be split between two repeats of the element.

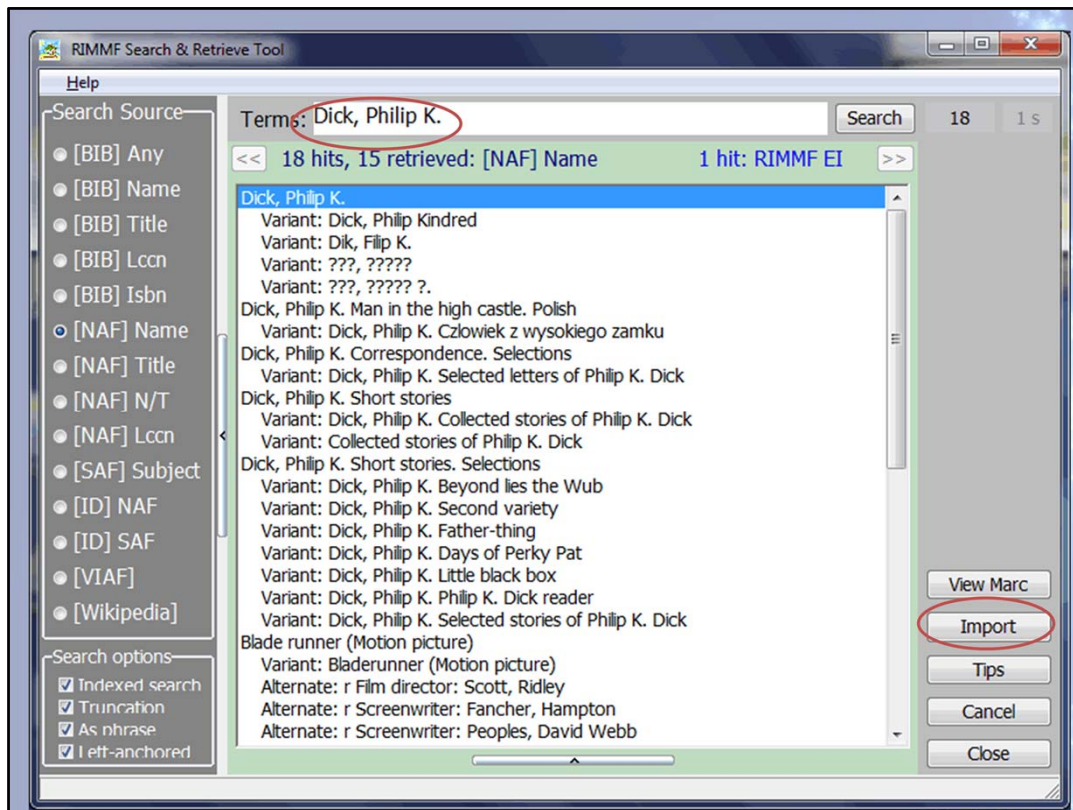
\* Google Translate outputs “Rights” for “Lizenzpflichtig”. I guess this should be removed from Note on Manifestation: either discarded or moved to Restrictions on use.



I open the Expression and Work records. They are also basically correct.

\* The problem noted about the Work record can be seen more clearly. The Author data is a mix of identifier and name”

\* The same problem is found in the Contributor element of the Expression record. It did not show up earlier because this element is not used as part of the AAP for an Expression.

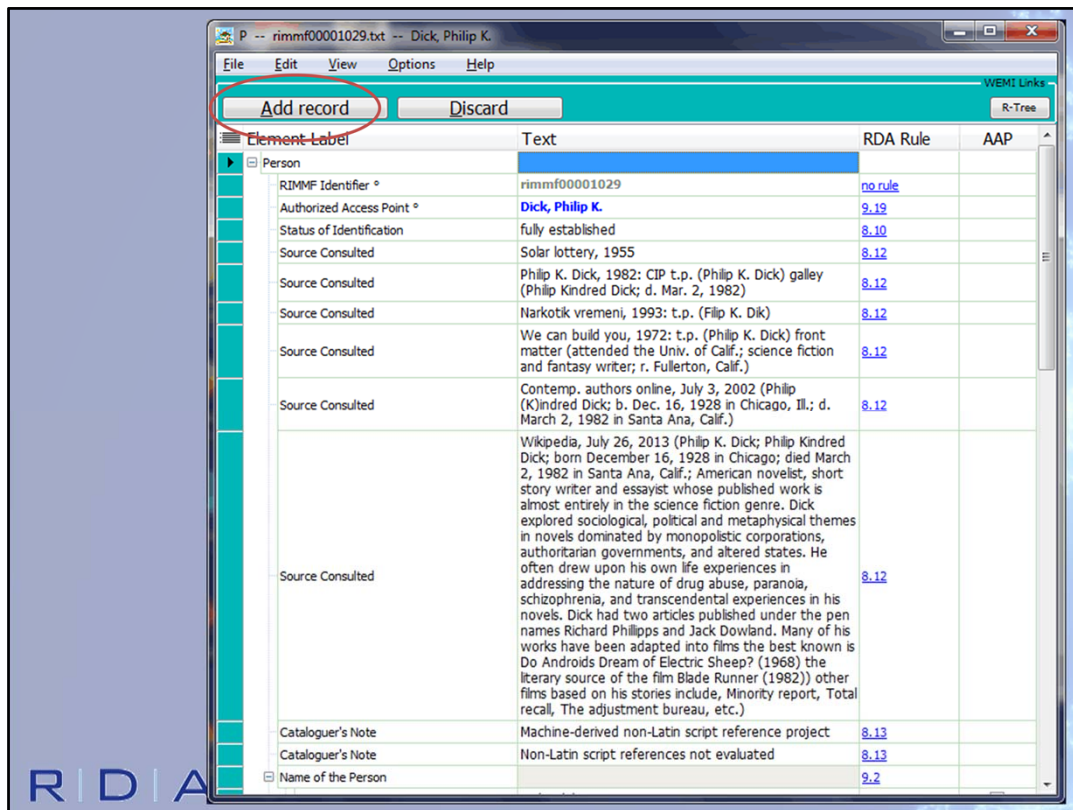


I'm going to find Dick's Person record in the Name Authority File, using the Search and Retrieve option on the RIMMF Tools menu.

\* I copy and paste the inverted name from the Work record data. The correct record is the first hit.

\* I import it into RIMMF using the Import option.





The new Person record looks correct.

There are a couple of strange values towards the end of the record, consisting of strings of question marks. They can be removed later.

\* I add it to RIMMF using the Add record option.



RIMMF Entity Index (each document has one entry in this table) -- 8 entries.

Drag a column header here to group by that column

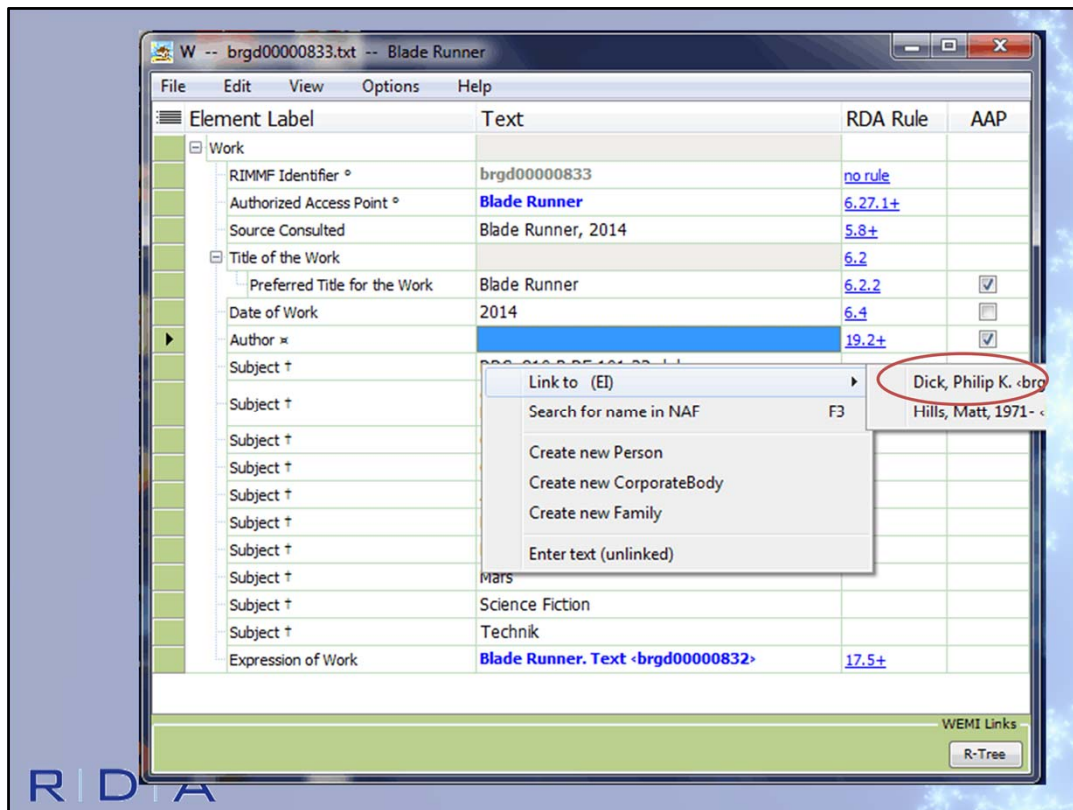
Composite Key	Entity	shorturi	Link	Date Mod
Blade runner. Wallflower Press. Â©2011. Volume	Manifestation	brgd00000827	1	2014-11-14
Hills, Matt, 1971- Blade runner. Text	Expression	brgd00000828	2	2014-11-14
Hills, Matt, 1971- Blade runner	Work	brgd00000829	2	2014-11-14
Hills, Matt, 1971-	Person	brgd00000830	1	2014-11-14
Blade Runner : Roman Fischer Klassik PLUS. Fischer E-Books. 201	Manifestation	brgd00000831	1	2014-11-14
Blade Runner. Text	Expression	brgd00000832	2	2014-11-14
> (DE-588)118678175 (DE-101)118678175 Dick, Philip K. 1928-1982. B	Work	brgd00000833	1	2014-11-14
Dick, Philip K.	Person	brgd00000834	0	2014-11-14

Open selection Open in R-Tree Delete selection Enter search here

Work: brgd00000833.txt; Last modified on: 2014-11-14 15:45:40

R | D | A

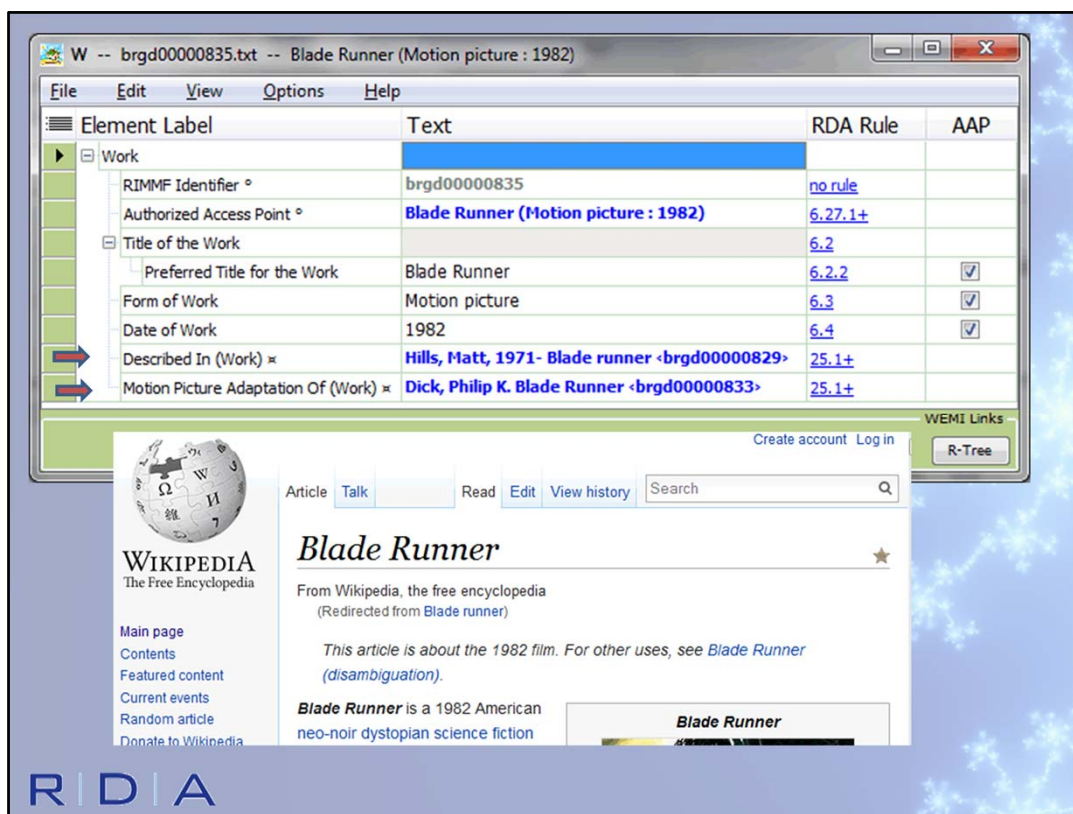
Now I can go back to the Work record with the erroneous AAP.



RIMMF clears the value of the Author element when I start to edit it. Right-clicking brings up a menu allowing me to link the Work record to a Person, Family, or Corporate Body record already in the Entity Index.

\* There are two, and I choose the record for Dick.

When I save the Work record, RIMMF automatically updates the AAP of the Work record and cascades the change to the AAP for the Expression record.



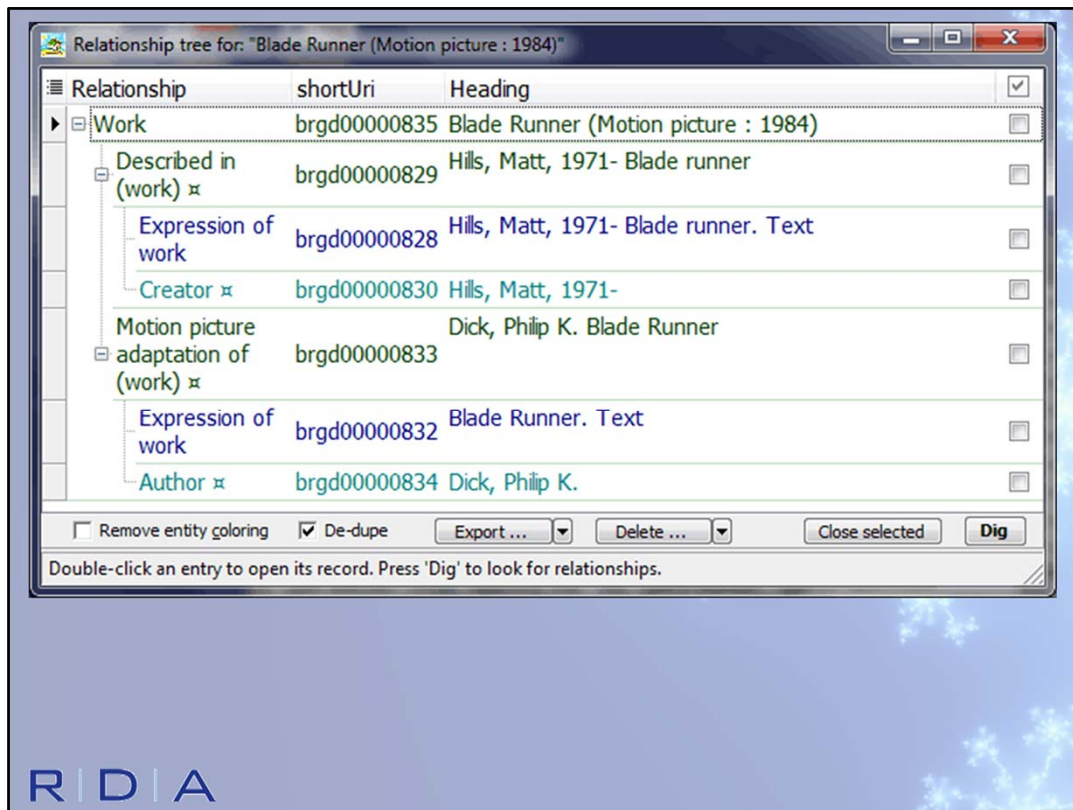
Finally, I know I need a Work record for the motion picture so that I can link the two Works I have imported into RIMMF.

I create a new Work record from scratch, filling in just what I know or can easily verify in reference works.

\* I check Wikipedia for the Date of Work ...

\* I add a Related Work for the resource about the motion picture, linking directly using the Entity Index. Then I refine the relationship using a designator.

\* I add another Related Work for the resource that the motion picture is adapted from, again using the Entity Index and a relationship designator.



The I display the R-Tree for the motion picture Work.

Everything is connected. I have created my first R-Ball!

