

SEER BUSINESS RULES AND VERIFICATION

Excellence in Research for Australia (ERA)

SEER

(System to Evaluate the Excellence of Research)

**STAGE ONE AND TWO SUBMISSION BUSINESS RULES AND
VERIFICATION**

SEER BUSINESS RULES AND VERIFICATION

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STAGE ONE – Business Rules Checking of ERA Submission Files

As outlined in the ERA 2010 Submission Guidelines in Stage 1 institutions upload submission files in SEER and have them validated and verified by SEER. SEER then verifies that the data contained in the file meets ERA business rules. SEER may return a file to an institution with verification errors or warnings. Verification errors must be fixed before a submission can be accepted but SEER does not require verification warnings to be fixed.

Outlined in the section below is a summary of the ERA Business Rules followed by detailed business rules examples, including XML examples demonstrating the reason for the error or warning.

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SUMMARY OF BUSINESS RULES

Id	Expression	Error/Warning Message	Stage 1 Severity
BR001	The traditional research output must have at least one of the following years within the research output reference period (2003 to 2008 inclusively) - Year Published - Year Available	A traditional research output was submitted with a date outside the reference period. The research output (including year published or year available) must be within the reference period.	Error
BR007	For book type research output if the Is revision type is TRUE then edition information must be provided	Edition information must be provided for all revised Book research outputs.	Error
BR008	Where research output is identified as sensitive at least one sensitivity type must be provided	A sensitive type must be submitted for a sensitive research output.	Error
BR011	If the title native script is in a language other than English (language code) the title roman script may be provided	A roman script title may be provided if the native script title is in a language other than English.	Warning
BR012	When research output is identified as sensitive the sensitive note must be provided	One or more research outputs were identified as sensitive. A sensitivity note may be added in the submission describing appropriate handling of the sensitive research output(s).	Error
BR018	The sum of apportionmentPerGroup from the same researcher must be 100	The total FoR percentage apportionments for each researcher must equal 100 per cent.	Error
BR023	If available for peer review is TRUE then the availableInrepository must be provided for the research output	Where a research output is available for peer review, data in availableInRepository must be submitted.	Error
BR024	If the identifier for journal article is provided, the identifier must match the identifier in bibliographic dataset from the citation provider	The journal article identifier is not valid.	Error
BR025	Reference Year - must be one of the following value: - 2006 - 2007 - 2008	Category 1 research income reference year is not valid.	Error
BR026	Reference Year - must be one of the following value: - 2006 - 2007 - 2008	The reference year for research income (category 2, 3 or 4 or research commercialisation income) is not valid.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR027	The sum of apportionmentPerGroup from the same year for category 2, 3 and 4 income must be between 95 and 105 inclusively	The total FoR percentage apportionments for each year for category 2, 3 and 4 income must be between 95 per cent and 105 per cent.	Error
BR029	Reference Year for membership of Statutory Committee - must be one of the following value: - 2006 - 2007 - 2008	Membership of statutory committee reference year is not valid.	Error
BR030	Reference Year - must be one of the following value:- 2006- 2007- 2008	Applied measure reference year is not valid.	Error
BR031	Staff first name and last name combined may be unique within each submission	More than one researcher was submitted with the same first and last names.	Warning
BR040	If year available is within the reference period and year published is not, generate warning message to notify potential issue	A traditional research output was submitted with year available within the reference period, but with year published outside the reference period.	Warning
BR042	Where a researcher is employed (Employment Status is 1) a Total FTE value must be submitted	Where a researcher is Employed (Employment Status is "1") a Total Full Time Employment (FTE) value must be submitted.	Error
BR047	If the data field exist it must not be "N/A", "NA", or "Not Available"	The data field exists but does not have meaningful content.	Error / Warning
BR048	The sum of apportionmentPerGroup from the same research output must be 100	The total FoR percentage apportionments for each research output must equal to 100 per cent.	Error
BR049	The apportionmentPerGroup for each FoR assigned to research output must be within 20 to 100 percent	The FoR percentage apportionment for each FoR assigned to a research output must be between 20 per cent to 100 per cent.	Error
BR050	If the language code is provided the code must match the language code from language reference table	Research outputs must use designated language codes from the language reference table.	Error
BR051	If availableInRepository is TRUE then at least one link to RODA file must be provided for the research output	Where availableInRepository is TRUE at least one link to a Research Output Digital Asset in the correct format must be submitted.	Error
BR052	If availableInRepository is FALSE then other location must be provided	Where availableInRepository is FALSE another location must be submitted.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR053	If the research output is identified as available for peer review and the availableInRepository is FALSE then the non repository justification must be provided	Where availableInRepository is FALSE a non-repository justification must be submitted.	Error
BR054	The ERA ID must match the ERA journal ID in the ranked journal list for 2010	The submitted ERA Journal ID does not correspond to the journal on the ERA Journal List.	Error
BR055*	If the ERA ID submitted has "full coverage" in the ranked journal list institutions must provide unique identifier (EID)	An EID must be submitted for a journal corresponding to a submitted ERA Journal ID which has full coverage in the ERA Journal List	Warning
BR056*	If the ERA ID submitted has "no coverage" in the ranked journal list then a unique identifier (EID) is not required	One or more EIDs have been provided for a journal corresponding to a submitted ERA Journal ID that has no coverage in the ERA journal List.	Warning
BR058	The set of FoR codes assigned to a journal article must match the FoR codes for specific ERA ID in the ranked journal list, except where one of the nominated codes is under mathematical code (01)	The FoR codes assigned to a journal article do not match with the FoR codes assigned to the corresponding journal in the ERA Journal List.	Error
BR059	If the journal assigned to 2 digit FoR code other than 01 in the ranked journal list, the institution may assign up to three 4 digit FoR codes where the assigned FoR codes must be subset of the 2 digit identified in the ERA journal list except where one of the nominated can be under 01 code.	One or more FoR codes assigned to the journal article do not fall within the 2 digit FoR code assigned to journal in the ERA Journal List.	Error
BR060	The ERA conference ID must match the ERA conference ID in the listed conference list for 2010	A submitted ERA Conference ID is not in the ERA Conference List.	Error
BR061	The set of FoR codes assigned to listed conferences must match the set of FoR codes tagged to specific ERA Conference ID in the listed conference list	The FoR codes assigned to a conference publication in a Listed Conference must be within the set of FoR codes tagged to the corresponding ERA Conference ID.	Error
BR062	The non traditional research output must have at least one of the following years within the research output reference period (2003 to 2008 inclusively) - Year Published - Year Presented	A non traditional research output was submitted with a date outside the reference period. The research output (including year published and year presented) must be within the reference period.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR063	If year presented is within the reference period and year published is not, then generate warning message to notify potential issue	A non-traditional research output was submitted with year presented within the reference period, but with year published outside the reference period.	Warning
BR066	If researcher has Employment Status of 2 or 3 then they must have at least 1 research output submitted	The researcher does not have a research output submitted.	Error
BR067	The sum of apportionmentPerGroup from the same research item must be 100	The total FoR percentage apportionments for each applied measure must equal 100 per cent.	Error
BR068	The patent number must be unique within a submission	One or more patents have the same number.	Error
BR069	The registered designs registry ID must be unique within a submission	One or more registered designs have the same registry ID.	Error
BR070	The plant breeder's application number must be unique within a submission	One or more plant breeder's rights have the same application number.	Error
BR071	The country of registration code assigned to plant breeder's must match with the list of ABS country codes	The country of registration code assigned to plant breeder's rights must be within the list of ABS country codes.	Error
BR072	The sum of apportionmentPerGroup from the same year for research commercialisation income must be between 95-105 inclusively	The total FoR percentage apportionments for each year for research commercialisation income must be between 95 per cent and 105 per cent.	Error
BR073	The sum of apportionmentPerGroup from the same year for each grant category 1 income must be between 95 and 105 inclusively	The total FoR percentage apportionments for each year within one grant must be between 95 per cent and 105 per cent.	Error
BR074	The sum of apportionmentPerGroup from the same esteem measure must be 100	The total FoR percentage apportionments for each esteem measure must equal 100 per cent.	Error
BR075	Fellowship Program and recipient last name should be unique	The same fellowship program and corresponding recipient last name have been submitted more than once.	Warning
BR076	Work of reference and staff reference number combined must be unique	More than one researcher was submitted with the same work of reference and staff reference number.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR077	Learned Academy and staff reference number combined must be unique	More than one researcher was submitted with the same fellowship of a learned academy and membership of AIATSIS and staff reference number.	Error
BR078	Statutory committee name and staff reference combined should be unique	More than one researcher was submitted with the same statutory committee name and staff reference number.	Warning
BR079	The reference year for membership of Learned Academy must not be after 2008	Fellowship of a learned academy and membership of AIATSIS reference year is not valid.	Error
BR080	The maximum number of different FoRs apportioned to research outputs within a portfolio must be three	The maximum number of different FoRs apportioned to research outputs within a portfolio must be three	Error
BR081	The apportionment percentage assigned to 01 code must be between 80 to 100 inclusively	The "01" FoR code assigned to a journal article is not apportioned between 80 and 100 percent.	Error
BR082	For non traditional research outputs the FoR codes provided for preferred peer review disciplines must be subset of the FoRs assigned to research outputs within a portfolio	The FoR codes identified for preferred peer review discipline don't match the FoR codes assigned to research output within the portfolio.	Error
BR083	If the identifier for journal article is valid, the bibliographic information tagged to the identifier must match the bibliographic dataset from the citation provider	The bibliographic information submitted for this EID differs from the bibliographic information provided by the citation provider for this EID.	Warning
BR084	If the listed conference assigned to 2 digit FoR code, the institution may assign up to three 4 digit FoR codes where the assigned FoR codes must be subset of the 2 digit identified in the ERA conference list.	One or more FoR codes assigned to the listed conference do not fall within the 2 digit FoR code assigned to listed conference in the ERA Conference List.	Error
BR085	If a research output is available for peer review, at least one of the FoR assigned to the research output must have a peer review indicator profile set as applicable in discipline matrix	At least one of the FoR codes assigned to a research output must have the peer review indicator set as applicable in the discipline matrix.	Error
BR086	The list of FoR codes assigned for the preferredPRDiscipline must match the FOR codes which have the peer review indicator set as applicable in the discipline matrix.	An FoR code selected for the preferred peer review discipline doesn't have the peer review indicator set as applicable in the discipline matrix.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR088	At least one of the FoR codes assigned to the non traditional research output must have the volume and activity indicator set as applicable in the discipline matrix	At least one of the FoR codes assigned to a non traditional research output must have the volume and activity indicator set as applicable in the discipline matrix.	Error
BR089	At least one of the FoR codes assigned to the applied measure must have the respective indicator set as applicable in the discipline matrix	At least one of the FoR codes assigned to the applied measure must have the respective indicator set as applicable in the discipline matrix.	Error
BR090	For research commercialisation income the total amount submitted for all years must not be less than or equal to zero	The total income submitted for research commercialisation income for all years must be greater than zero.	Warning
BR091	For category 1 income the total amount submitted for all years per grant must not be less than or equal to zero	The total income submitted for all years within a grant must be greater than zero.	Warning
BR092	For category 2, 3 and 4 income the total amount submitted for all years must not be less than or equal to zero	The total income submitted for category 2, 3 and 4 for all years must be greater than zero.	Warning
BR093	At least one of the FoR codes assigned to the esteem measure must have the respective esteem measure as applicable in the discipline matrix	At least one of the FoR codes assigned to the esteem measure must have the respective esteem measure as applicable in the discipline matrix.	Error
BR094	If at least one of the FoR codes assigned to the non traditional research output didn't have the volume and activity indicator set as applicable in the discipline matrix generate warning message to notify potential issue	One of the FoR codes assigned to a non traditional research output do not have the volume and activity indicator set as applicable in the discipline matrix.	Warning
BR095	If at least one of the FoR codes assigned to the applied measure didn't have the respective indicator set as applicable in the discipline matrix generate warning message to notify potential issue	One of the FoR codes assigned to the applied measure do not have the respective indicator set as applicable in the discipline matrix.	Warning
BR096	If at least one of the FoR codes assigned to the esteem measures didn't have the respective indicator set as applicable in the discipline matrix generate warning message to notify potential issue	One of the FoR codes assigned to the esteem measure does not have the respective indicator set as applicable in the discipline matrix.	Warning
BR097	The FoR code submitted must match the FoR code from the field of research disciplinary table	One or more FoR codes submitted are not valid.	Error

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Id	Expression	Error/Warning Message	Stage 1 Severity
BR098	The user name credentials must match the institution code from the file uploaded	The user name and institution code in the XML file uploaded for the institution does not match.	Error

* Note: these rules do not determine whether a research output will be considered as part of calculating the volume threshold. As long as a valid EID has been provided, the output will be included towards the volume threshold.

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Stage One - Business Rules Examples

BR001 & BR040 - Research output reference period

Id	Expression	Stage 1 Severity
BR001	The traditional research output must have at least one of the following years within the research output reference period (2003 to 2008 inclusively) - Year Published - Year Available	Error
BR040	If year available is within the reference period and year published is not, generate a warning message to notify a potential issue	Warning

The example below shows a research output with both year published and year available outside the research output reference period (2003-2008 inclusively). This will generate an error.

```
<seer:journalArticle identifier="2-s2.0-3364530505115" journalVolume="74" journalIssue="2"
yearAvailable="2009" yearPublished="1996" placeOfPublication="New York"
availableForPeerReview="false" extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7" linkType="2"
repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

The example below shows a research output with year published outside the research output reference period and no year available information has been provided. This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="false" edition="2"
publisher="British Columbian Press" placeOfPublication="Toronto, Canada" yearPublished="2009"
isbn="979-8837652893" extent="211 pages">
  <seer:title nativeScript="Mapping the World Economy"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1401" apportionment="80"/>
    <seer:discipline forGroupCode="1499" apportionment="20"/>
  </seer:disciplineAssignment>
```

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```
<seer:electronicLocations>
  <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893.pdf" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
</seer:electronicLocations>
  <seer:otherLocations>
    <seer:otherLocation location="General collection, Toronto university library"
nonRepositoryJustification="Due to the size of this resource the full research output has not been
stored in the repository however the title, contents, first chapter and publication pages are available in
the repository. A physical copy of the book can be viewed on location or five copies of the book can
be posted to ARC on request."/>
  </seer:otherLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="McAllister, S. J."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0005"/>
</seer:staffCreators>
</seer:book>
```

The example below shows the scenario where the research output has year published outside the research output reference period but year available is within the research output reference period. This will not generate an error but it will generate a warning.

```
<seer:journalArticle identifier="2-s2.0-3364530505115" journalVolume="74" journalIssue="2"
yearAvailable="2003" yearPublished="1996" placeOfPublication="New York"
availableForPeerReview="false" extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7" linkType="2"
repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

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BR007 – Edition information for revised books

Id	Expression	Stage 1 Severity
BR007	For book type research output if the Is revision type is TRUE then edition information must be provided	Error

The example below shows that the book has been revised but no edition information has been provided. This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="true" isRevision="true"
publisher="Art Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages"><!--BR007 edition not provided-->
</seer:book>
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

The example below shows the same research output with correct information provided.

```
<seer:book availableForPeerReview="true" availableInRepository="true" isRevision="true" edition =
"7" publisher="Art Education Association of Australia (AEAA)" placeOfPublication="Canberra,
Australia" yearPublished="2006" isbn="978-8837652893" extent="146 pages"><!--BR007 edition not
provided-->
</seer:book>
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
  </seer:staffCreators>
</seer:book>
```

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```
<seer:staffCreator staffReference="ERA0003"/>
</seer:staffCreators>
</seer:book>
```

BR008 & BR012 – Sensitive research outputs

Id	Expression	Stage 1 severity
BR008	Where research output is identified as sensitive at least one sensitivity type must be provided	Error
BR012	When research output is identified as sensitive the sensitive note must be provided	Error

The example below shows that a research output has been included where the sensitive flag has been set to 'True'. However, neither sensitivity type (BR008) or sensitive note (BR012) are provided. This will generate an error.

```
<seer:conferencePublication placeOfPublication="Sydney" yearPublished="2008" isSensitive="false"
availableForPeerReview="false" extent="2 November 2007 through 4 November 2007"
publisher="IEEE Xplore">
  <seer:title nativeScript="Towards a Data Commons"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0899" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Humphries, R"/>
    <seer:creator orderInOutput="2" publishedName="Roche, C. P. "/>
    <seer:creator orderInOutput="3" publishedName="Yen, X."/>
    <seer:creator orderInOutput="4" publishedName="Pierce, T. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0010"/>
  </seer:staffCreators>
  <seer:institutionalUnits>
    <seer:institutionalUnit code="SIS" name="School of Information Sciences, University
of Australian Studies, Griffith Avenue, Parkes"/>
  </seer:institutionalUnits>
  <seer:conferencePublicationOutlet conferenceName="4th Annual Digital Archives and Digital
Humanities Conference" venue="Sydney, Australia ">
    <seer:title nativeScript="Proceedings - 2008 Digital Archives and Digital Humanities
Conference"/>
  </seer:conferencePublicationOutlet>
</seer:conferencePublication>
```

The example below shows the same research output as above with the sensitivity type provided. This will generate an error.

```
<seer:conferencePublication placeOfPublication="Sydney" yearPublished="2008" isSensitive="false"
availableForPeerReview="false" extent="2 November 2007 through 4 November 2007"
publisher="IEEE Xplore">
  <seer:title nativeScript="Towards a Data Commons"/>
  <seer:disciplineAssignment>
```

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```

    <seer:discipline forGroupCode="0899" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Humphries, R"/>
    <seer:creator orderInOutput="2" publishedName="Roche, C. P. "/>
    <seer:creator orderInOutput="3" publishedName="Yen, X."/>
    <seer:creator orderInOutput="4" publishedName="Pierce, T. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0010"/>
  </seer:staffCreators>
  <seer:institutionalUnits>
    <seer:institutionalUnit code="SIS" name="School of Information Sciences, University
of Australian Studies, Griffith Avenue, Parkes"/>
  </seer:institutionalUnits>
  <seer:typesOfSensitivity>
    <seer:typeOfSensitivity type="2"/>
  </seer:typesOfSensitivity>
  <seer:conferencePublicationOutlet conferenceName="4th Annual Digital Archives and Digital
Humanities Conference" venue="Sydney, Australia ">
    <seer:title nativeScript="Proceedings - 2008 Digital Archives and Digital Humanities
Conference"/>
  </seer:conferencePublicationOutlet>
</seer:conferencePublication>

```

BR011 - Native script for output in a language other than English

Id	Expression	Stage 1 Severity
BR011	If the title native script is in a language other than English (language code) the title may be provided in Roman script	Warning

The example below shows a research output published in a non-English language (2201 Greek) without providing the title in Roman script. This will generate a warning.

```

<seer:recordedOrRenderedWork availableForPeerReview="true" availableInRepository="false"
category="1" placeOfPublication="Melbourne" yearPublished="2004" extent="1 minute 36 seconds"
publisher="ShotInTheDark Productions" media="Included are: high-definition short film; publication
material; and reviews in local and national outlets (x5).">
  <seer:title nativeScript="Το Φένσι " translated="The Fencie (The Fence)" language="2201"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1902" apportionment="40"/>
    <seer:discipline forGroupCode="1604" apportionment="30"/>
    <seer:discipline forGroupCode="2003" apportionment="30"/>
  </seer:disciplineAssignment>
  <seer:otherLocations>
    <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"
nonRepositoryJustification="The HD recording is too large for the repository. This work is available on
Blu-ray disc. Please contact the institution for a copy."/>
  </seer:otherLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0011"/>

```

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```
</seer:staffCreators>
</seer:recordedOrRenderedWork>
```

The example below shows the same research output where the language code correctly indicates that the output is non-English and the title is provided in Roman script.

```
<seer:recordedOrRenderedWork availableForPeerReview="true" availableInRepository="false"
category="1" placeOfPublication="Melbourne" yearPublished="2004" extent="1 minute 36 seconds"
publisher="ShotInTheDark Productions" media="Included are: high-definition short film; publication
material; and reviews in local and national outlets (x5).">
  <seer:title nativeScript="Το Φένσι" romanScript="To Fensi" translated="The Fencie (The
Fence)" language="2201"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1902" apportionment="40"/>
    <seer:discipline forGroupCode="1604" apportionment="30"/>
    <seer:discipline forGroupCode="2003" apportionment="30"/>
  </seer:disciplineAssignment>
  <seer:otherLocations>
    <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"
nonRepositoryJustification="The HD recording is too large for the repository. This work is available on
Blu-ray disc. Please contact the institution for a copy."/>
  </seer:otherLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0011"/>
  </seer:staffCreators>
</seer:recordedOrRenderedWork>
```

BR018 – Researcher apportionment

Id	Expression	Stage 1 Severity
BR018	The sum of apportionment Per Group from the same researcher must be 100	Error

The example below shows a researcher with a total For apportionment of less than 100. This will generate an error.

```
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="40"/>
    <seer:discipline forGroupCode="0306" apportionment="40"/>
    <seer:discipline forGroupCode="0307" apportionment="10"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="Wilcott, N. L."/>
    <seer:otherName publishedName="Wilcott, Nathan"/>
    <seer:otherName publishedName="Wilcott, Nathan L."/>
    <seer:otherName publishedName="N. L. Wilcott"/>
  </seer:otherNames>
</seer:researcher>
```

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```
</seer:otherNames>
</seer:researcher>
```

The example below shows a researcher with a total FoR apportionment more than 100. This will generate an error.

```
<seer:researcher staffReference="ERA0003" honorific="Professor" firstName="Susan"
middleName="Beatrice" lastName="LaMont" employmentLevel="000" employmentStatus="3"
researcherFunction="A" totalFte="1.0">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1905" apportionment="10"/>
    <seer:discipline forGroupCode="1903" apportionment="15"/>
    <seer:discipline forGroupCode="1902" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="LaMont, S"/>
    <seer:otherName publishedName="LaMont, S. B."/>
  </seer:otherNames>
</seer:researcher>
```

BR023 – Research outputs for ERA peer review

Id	Expression	Stage 1 Severity
BR023	If available for peer review is TRUE then the available In repository must be provided for the research output	Error

The example below shows that the research output is nominated for peer review but does not show if the output is available in institution repository. This will generate an error.

```
<seer:book availableForPeerReview="true" edition="1" publisher="Art Education Association of
Australia (AEAA)" placeOfPublication="Canberra, Australia" yearPublished="2006" isbn="978-
8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

The example below shows how to identify that the research output is available for peer review and also available in an institution repository.

SEER BUSINESS RULES AND VERIFICATION

```
<seer:book availableForPeerReview="true" availableInRepository="true" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="https://repos2.other.edu.au/book/978-0937652893"
      linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

The example below shows how to identify a research output that is available for peer review and is not available in an institution repository.

```
<seer:book availableForPeerReview="true" availableInRepository="false" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:otherLocations>
    <seer:otherLocation location="The copies of the book can be sent to ARC via
      request, there are five copies available on reserve list at national library"
      nonRepositoryJustification="Overside book unable to scan with normal
      scanner available on campus"/>
  </seer:otherLocations>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="https://repos2.other.edu.au/bookcover/652893.pdf"
      linkType="1" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

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BR024 – EID matching to Scopus

Id	Expression	Stage 1 Severity
BR024	If the identifier for a journal article is provided, the identifier must match the bibliographic dataset from the citation provider	Error

This business rule uses the bibliographic information returned from Scopus where the information is used to compare with the submitted indexed journal article. This will ensure that the EID correctly matches the journal article.

BR025 - Australian competitive grant reference year

Id	Expression	Stage 1 Severity
BR025	Reference Year for research grant income - must be one of the following value: - 2006 - 2007 - 2008	Error

The example below shows an Australia competitive income grant which is spread over two years and one of the years being reported is outside the research income reference period. This will generate an error.

```
<seer:australianCompetitiveGrants>
  <seer:australianCompetitiveGrant percentageOfGrantWithinRefPeriod="33.33">
    <seer:incomeYears>
      <seer:incomeYear acgrCode="FND2006_066" referenceYear="2005"
totalAmountReceived="100000">
        <seer:incomeDisciplineAssignment>
          <seer:discipline apportionment="40" forGroupCode="0201"/>
          <seer:discipline apportionment="20" forGroupCode="0202"/>
          <seer:discipline apportionment="10" forGroupCode="0203"/>
          <seer:discipline apportionment="20" forGroupCode="0204"/>
          <seer:discipline apportionment="10" forGroupCode="2299"/>
        </seer:incomeDisciplineAssignment>
      </seer:incomeYear>
      <seer:incomeYear acgrCode="FND2007_096" referenceYear="2006"
totalAmountReceived="75000">
        <seer:incomeDisciplineAssignment>
          <seer:discipline apportionment="50" forGroupCode="0204"/>
          <seer:discipline apportionment="50" forGroupCode="0205"/>
        </seer:incomeDisciplineAssignment>
      </seer:incomeYear>
    </seer:incomeYears>
  </seer:australianCompetitiveGrant>
</seer:australianCompetitiveGrants>
```

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BR026 – Research income reference year

Id	Expression	Stage 1 Severity
BR026	Reference Year for research income - must be one of the following value: - 2006 - 2007 - 2008	Error

The example below shows research income reported outside the reference period. This will generate an error. This rule is applied to research income Category 1, 2, 3a, 3b and 4 as well as Research Commercialisation Income.

```
<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear totalAmountReceived="13020" referenceYear="2005">
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0205" apportionment="50"/>
        <seer:discipline forGroupCode="0303" apportionment="50"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear totalAmountReceived="11870" referenceYear="2009">
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0205" apportionment="40"/>
        <seer:discipline forGroupCode="0303" apportionment="60"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear totalAmountReceived="8840" referenceYear="1998">
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0201" apportionment="60"/>
        <seer:discipline forGroupCode="0303" apportionment="40"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:otherPublicSectorIncome>
```

BR027 – Research income apportionment total

Id	Expression	Stage 1 Severity
BR027	The sum of apportionment Per Group from the same year for category 2, 3 and 4 income must be between 95 and 105 inclusively	Error

The example below shows that the total apportionment for category 2 research income in 2006 is 107. This will generate an error.

```
<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear totalAmountReceived="1968150" referenceYear="2006">
      <seer:incomeDisciplineAssignment>
        <seer:discipline apportionment="50" forGroupCode="0201"/>
        <seer:discipline apportionment="26" forGroupCode="0202"/>
        <seer:discipline apportionment="26" forGroupCode="0204"/>
        <seer:discipline apportionment="5" forGroupCode="0205"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:otherPublicSectorIncome>
```

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```
</seer:otherIncomeYear>
</seer:otherPublicSectorIncome>
```

The example below shows the total apportionment for Category 2 research income in 2006 is 102. This does not generate an error.

```
<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear totalAmountReceived="1968150" referenceYear="2006">
      <seer:incomeDisciplineAssignment>
        <seer:discipline apportionment="50" forGroupCode="0201"/>
        <seer:discipline apportionment="26" forGroupCode="0202"/>
        <seer:discipline apportionment="26" forGroupCode="0204"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
  </seer:otherPublicSectorIncome>
```

BR029 – Statutory committee reference year

Id	Expression	Stage 1 Severity
BR029	Reference Year for membership of Statutory Committee - must be one of the following value: - 2006 - 2007 - 2008	Error

The example below shows that Membership of a Statutory Committee has been listed as 2005. This will generate an error.

```
<seer:membershipStatutoryCommittee name="Water Quality Advisory Committee - 123"
staffReference="ERA0008" referenceYear="2005">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1106" apportionment="25"/>
    <seer:discipline forGroupCode="1117" apportionment="75"/>
  </seer:disciplineAssignment>
</seer:membershipStatutoryCommittee>
```

BR030 – Applied measures reference year

Id	Expression	Stage 1 Severity
BR030	Reference Year - must be one of the following value:- 2006- 2007- 2008	Error

The example below shows a patent where the reference year is not within the applied measures reference period. This will generate an error. This rule also applies to Plant Breeder Rights, Registered designs, and NHMRC-Endorsed Guidelines.

```
<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
```

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```
<seer:patent referenceYear="2005" registeredCountry="2" name="Multi-plate thin film carbon
monoxide sensor" number="US 5691465"/><!--BR030-->
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0305" apportionment="50"/>
  <seer:discipline forGroupCode="0307" apportionment="50"/>
</seer:disciplineAssignment>
</seer:patentFamily>
```

BR031 – Unique researcher names

Id	Expression	Stage 1 Severity
BR031	Staff first name and last name combined may be unique within each submission	Warning

The example below shows how information about three submitted researchers will generate a warning.

```
<seer:researcher staffReference="ERA0002" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5"><!--BR031,Warning-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="40"/>
    <seer:discipline forGroupCode="0306" apportionment="40"/>
    <seer:discipline forGroupCode="0307" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="Wilcott, N. L."/>
    <seer:otherName publishedName="Wilcott, Nathan"/>
    <seer:otherName publishedName="Wilcott, Nathan L."/>
    <seer:otherName publishedName="N. L. Wilcott"/>
  </seer:otherNames>
</seer:researcher>
<seer:researcher staffReference="ERA2002" honorific="Associate Professor" firstName="nathan"
middleName="liam" lastName="wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5"><!--BR031,Warning-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="40"/>
    <seer:discipline forGroupCode="0306" apportionment="40"/>
    <seer:discipline forGroupCode="0307" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="Wilcott, N. L."/>
    <seer:otherName publishedName="Wilcott, Nathan"/>
    <seer:otherName publishedName="Wilcott, Nathan L."/>
    <seer:otherName publishedName="N. L. Wilcott"/>
  </seer:otherNames>
</seer:researcher>
<seer:researcher staffReference="ERA0003" honorific="Professor" firstName=" nathan"
middleName="Beatrice" lastName=" wilcott" employmentLevel="000" employmentStatus="3"
researcherFunction="A" totalFte="1.0"><!--BR031,Warning-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1905" apportionment="100"/>
```

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```
</seer:disciplineAssignment>
<seer:otherNames>
  <seer:otherName publishedName="LaMont, S"/>
  <seer:otherName publishedName="LaMont, S. B."/>
</seer:otherNames>
</seer:researcher>
```

BR042 - FTE for researchers

Id	Expression	Stage 1 Severity
BR042	Where a researcher is employed (Employment Status is 1) a Total FTE value must be submitted	Error

The example below shows a researcher who has an Employment Status as employed but FTE has not been provided. This will generate an error.

```
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" ><!--BR042 no total FTE provided, triggers error-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="40"/>
    <seer:discipline forGroupCode="0306" apportionment="40"/>
    <seer:discipline forGroupCode="0307" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="Wilcott, N. L."/>
    <seer:otherName publishedName="Wilcott, Nathan"/>
    <seer:otherName publishedName="Wilcott, Nathan L."/>
    <seer:otherName publishedName="N. L. Wilcott"/>
  </seer:otherNames>
</seer:researcher>
```

The following shows how to correctly submit information for a researcher whose employment status is identified as "Employed".

```
<seer:researcher staffReference="ERA0011" honorific="Associate Professor" firstName="Percy"
middleName="James" lastName="Araluen" employmentLevel="042" employmentStatus="1"
researcherFunction="B" totalFte="1.0">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1905" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:otherNames>
    <seer:otherName publishedName="Araluen, Percy"/>
    <seer:otherName publishedName="Araluen, P."/>
  </seer:otherNames>
</seer:researcher>
```

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BR047 – Meaningful information for data fields

Id	Expression	Stage 1 Severity
BR047	If the data field exists it must not be "N/A", "NA", or "Not Available"	Error

The following examples show variations of text fields that are not regarded as meaningful. These will generate an error.

```
<seer:researcher staffReference="ERA0001" honorific="NA" firstName="N/A" middleName="na"
lastName="n/a" employmentLevel="013" employmentStatus="1" researcherFunction="B"
totalFte="0.5">
```

```
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="40"/>
    <seer:discipline forGroupCode="0306" apportionment="40"/>
    <seer:discipline forGroupCode="0307" apportionment="20"/>
  </seer:disciplineAssignment>
```

```
  <seer:otherNames>
    <seer:otherName publishedName="Wilcott, N. L."/>
    <seer:otherName publishedName="Wilcott, Nathan"/>
    <seer:otherName publishedName="Wilcott, Nathan L."/>
    <seer:otherName publishedName="N. L. Wilcott"/>
  </seer:otherNames>
```

```
</seer:researcher>
```

```
<seer:book availableForPeerReview="false" availableInRepository="false" edition="1" publisher="Not
available" placeOfPublication="NA" yearPublished="2006" isbn="978-8837652893" extent="146
pages">
```

```
  <seer:title nativeScript="not available"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
```

```
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="N/A" linkType="2"
repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
```

```
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="N?A"/>
    <seer:creator orderInOutput="2" publishedName="N/A"/>
    <seer:creator orderInOutput="3" publishedName="not available"/>
  </seer:creators>
```

```
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
```

```
</seer:book>
```

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BR048 – Total research output apportionment

Id	Expression	Stage 1 Severity
BR048	The sum of apportionment Per Group from the same research output must be 100	Error

The example below shows a research output with an apportionment totalling 120. This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="true" edition="1" publisher="Art Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia" yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" appportionment="50"/>
    <seer:discipline forGroupCode="1905" appportionment="50"/>
    <seer:discipline forGroupCode="1302" appportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

The example below shows a research output with an apportionment totalling 99. This will generate an error.

```
<seer:originalCreativeWork extent="15 pages" yearPublished="2008" availableForPeerReview="true" availableInRepository="true" category="3" placeOfPublication="Sydney, Australia" media="textual work" notes="Published in The Australian (3 March-30 March)">
  <seer:title nativeScript="A Different Horizon: Australian/New Zealand Relations"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1903" appportionment="49"/>
    <seer:discipline forGroupCode="1904" appportionment="50"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://closed.other.edu.au/images/1905454847" linkType="2" repositoryDomainReference="closed.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
  </seer:creators>
```

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```
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0014"/>
</seer:staffCreators>
</seer:originalCreativeWork>
```

BR049 – Research output apportionments

Id	Expression	Stage 1 Severity
BR049	The apportionmentPerGroup for each FoR assigned to research output must be within 20 to 100 percent	Error

The example below shows the apportionment of an FoR at below the minimum apportionment (20%). This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="true" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="1"/>
    <seer:discipline forGroupCode="1905" apportionment="99"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

BR050 – Research outputs language code

Id	Expression	Stage 1 Severity
BR050	If the language code is provided the code must match the language code from language reference table	Error

The example below shows the incorrect language code, based on ABS language code. This will generate an error.

```
<seer:recordedOrRenderedWork availableForPeerReview="true" availableInRepository="false"
category="1" placeOfPublication="Melbourne" yearPublished="2004" extent="1 minute 36 seconds"
publisher="ShotInTheDark Productions" media="Included are: high-definition short film; publication
material; and reviews in local and national outlets (x5).">
  <seer:title nativeScript="Το Φένσι " romanScript="To Fensi" translated="The Fencie (The
Fence)" language="200x"/>
```

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```

<seer:disciplineAssignment>
  <seer:discipline forGroupCode="1902" apportionment="40"/>
  <seer:discipline forGroupCode="1604" apportionment="30"/>
  <seer:discipline forGroupCode="2003" apportionment="30"/>
</seer:disciplineAssignment>
<seer:otherLocations>
  <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"
nonRepositoryJustification="The HD recording is too large for the repository. This work is available on
Blu-ray disc. Please contact the institution for a copy."/>
</seer:otherLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0011"/>
</seer:staffCreators>
</seer:recordedOrRenderedWork>

```

BR051 – Research output digital asset (RODA) files

Id	Expression	Stage 1 Severity
BR051	If availableInRepository is TRUE then at least one link to a RODA file must be provided for the research output	Error

The example below shows a research output without a RODA file within the institutional repository. This will generate an error.

```

<seer:journalArticle identifier="2-s2.0-3364530505115" journalVolume="74" journalIssue="2"
yearPublished="2006" placeOfPublication="New York" availableForPeerReview="True"
availableInRepository="True" extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7meta.pdf"
linkType="1" repositoryDomainReference="repos1.other.edu.au"/>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106mata.pdf"
linkType="1" repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>

```

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The following example shows correctly that the research output item is available in a repository.

```
<seer:journalArticle identifier="2-s2.0-3364530505115" journalVolume="74" journalIssue="2"
yearPublished="2006" placeOfPublication="New York" availableForPeerReview="True"
availableInRepository="True" extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
    repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7meta.pdf"
    linkType="1" repositoryDomainReference="repos1.other.edu.au"/>
    <seer:electronicLocation
    repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7" linkType="2"
    repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

BR052 - Non-repository location information

Id	Expression	Stage 1 Severity
BR052	If availableInRepository is FALSE then other location must be provided	Error

The example below shows a research output as a non-repository item without providing other location information. This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="false" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
    repositoryLink="https://repos2.other.edu.au/bookcover/652893.pdf"
    linkType="1" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
  </seer:creators>
</seer:book>
```

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```

        <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="ERA0003"/>
    </seer:staffCreators>
</seer:book>

```

The example below showing the research output item not available in a repository is correct.

```

<seer:book availableForPeerReview="true" availableInRepository="false" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
    <seer:disciplineAssignment>
        <seer:discipline forGroupCode="1901" apportionment="50"/>
        <seer:discipline forGroupCode="1905" apportionment="30"/>
        <seer:discipline forGroupCode="1302" apportionment="20"/>
    </seer:disciplineAssignment>
    <seer:otherLocations>
        <seer:otherLocation location="The copies of the book can be sent to ARC via
request, there are five copies available on reserve list at national library"
nonRepositoryJustification="Overside book unable to scan with normal
scanner available on campus"/>
    </seer:otherLocations>
    <seer:electronicLocations>
        <seer:electronicLocation
            repositoryLink="https://repos2.other.edu.au/bookcover/652893.pdf"
            linkType="1" repositoryDomainReference="repos2.other.edu.au"/>
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Efland, A."/>
        <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
        <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="ERA0003"/>
    </seer:staffCreators>
</seer:book>

```

BR053 – Non-repository justification

Id	Expression	Stage 1 Severity
BR053	If the research output is identified as available for peer review and the availableInRepository is FALSE then the non repository justification must be provided	Error

The example below shows a research output that is available for peer review but unavailable in the repository. Another location is not indicated. This will generate an error.

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```
<seer:bookChapter availableForPeerReview="true" availableInRepository="false"
yearPublished="2004" extent="pages 104-135">
  <seer:title nativeScript="&apos;Manning the Battleship&apos;: The Sailing Metaphors of New
Labour"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos2.other.edu.au/bookChapter/978-0805849714/36" linkType="2"
repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:otherLocations>
    <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"/><!--
BR053-->
  </seer:otherLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Collingford, Peter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0004"/>
  </seer:staffCreators>
  <seer:bookOutlet placeOfPublication="Oxford, U.K." isbn="978-0805849714"
editor="Alexander Deakin" publisher="Oxford Language Press">
    <seer:title nativeScript="The Language of Government"/>
  </seer:bookOutlet>
</seer:bookChapter>
```

The following example shows the same research output submitted correctly.

```
<seer:bookChapter availableForPeerReview="true" availableInRepository="false"
yearPublished="2004" extent="pages 104-135">
  <seer:title nativeScript="&apos;Manning the Battleship&apos;: The Sailing Metaphors of New
Labour"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos2.other.edu.au/bookChapter/978-0805849714/36" linkType="2"
repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:otherLocations>
    <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"
nonRepositoryJustification="The item is a stage performance over 3 hours, the recorded copy can be
make available on request the full record will be too large to be rendered over the Internet"/>
  </seer:otherLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Collingford, Peter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0004"/>
  </seer:staffCreators>
  <seer:bookOutlet placeOfPublication="Oxford, U.K." isbn="978-0805849714"
editor="Alexander Deakin" publisher="Oxford Language Press">
    <seer:title nativeScript="The Language of Government"/>
  </seer:bookOutlet>
```

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```
</seer:bookOutlet>
</seer:bookChapter>
```

BR054 – ERA ID and EID 1

Id	Expression	Stage 1 Severity
BR054	The ERA ID must match the ERA journal ID in the ranked journal list for 2010	Error

The example below shows that the ERA Journal ID does not exist in the ERA Journal Ranking List. This will generate an error.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What's Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study." />
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1103" apportionment="75"/>
    <seer:discipline forGroupCode="1111" apportionment="25"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K." />
    <seer:creator orderInOutput="2" publishedName="Contras, B." />
    <seer:creator orderInOutput="3" publishedName="Dimitriev, M." />
    <seer:creator orderInOutput="4" publishedName="Zetland, G." />
    <seer:creator orderInOutput="5" publishedName="Clarence, B." />
    <seer:creator orderInOutput="6" publishedName="Pinker, L." />
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0009"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="13800"/>
</seer:journalArticle>
```

BR055 – ERA ID and EID 2

Id	Expression	Stage 1 Severity
BR055	If the ERA ID submitted has “full coverage” in the ranked journal list institutions must provide unique identifier (EID)	Warning

Note: this rule does not determine whether a research output will be considered as part of calculating the volume threshold. As long as a valid EID has been provided, the output will be included towards the volume threshold.

The example below shows a journal article published in a journal on the ERA Journal List but the EID is not provided. This will generate a warning.

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```
<seer:journalArticle journalVolume="74" journalIssue="2" yearPublished="2006"
placeOfPublication="New York" availableForPeerReview="false" extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7" linkType="2"
repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

The example below shows a journal article published in a journal on the ERA Journal List and the EID is provided. This will not generate a warning.

```
<seer:journalArticle identifier="2-s2.0-3364530505115" journalVolume="74" journalIssue="2"
yearPublished="2006" placeOfPublication="New York" availableForPeerReview="false"
extent="pages 553-541">
  <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0206" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-7" linkType="2"
repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Amaretti, G"/>
    <seer:creator orderInOutput="2" publishedName="Wilcott, N. L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0001"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

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BR056 - ERA ID and EID 3

Id	Expression	Stage 1 Severity
BR056	If the ERA ID submitted has "no coverage" in the ranked journal list and institution provided unique identifier (EID)	Warning

Note: this rule does not determine whether a research output will be considered as part of calculating the volume threshold. As long as a valid EID has been provided, the output will be included towards the volume threshold.

The example below shows a journal article published in a journal not indexed by Scopus. This will generate a warning.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
identifier="2-s2.0-15422834487317" journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What&apos;s Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1103" apportionment="75"/>
    <seer:discipline forGroupCode="1111" apportionment="25"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
    <seer:creator orderInOutput="2" publishedName="Contras, B."/>
    <seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
    <seer:creator orderInOutput="4" publishedName="Zetland, G."/>
    <seer:creator orderInOutput="5" publishedName="Clarence, B."/>
    <seer:creator orderInOutput="6" publishedName="Pinker, L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0009"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="13378"/>
</seer:journalArticle>
```

The example below shows that an EID is not submitted for a journal article published in a journal which is not indexed by Scopus. This will not generate a warning.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What&apos;s Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1103" apportionment="75"/>
    <seer:discipline forGroupCode="1111" apportionment="25"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
    <seer:creator orderInOutput="2" publishedName="Contras, B."/>
    <seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
    <seer:creator orderInOutput="4" publishedName="Zetland, G."/>
    <seer:creator orderInOutput="5" publishedName="Clarence, B."/>
    <seer:creator orderInOutput="6" publishedName="Pinker, L."/>
  </seer:creators>
```

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```
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0009"/>
</seer:staffCreators>
<seer:rankedJournalOutlet eraJournalId="13378"/>
</seer:journalArticle>
```

BR058 - Assignment of ranked journal FoR codes

Id	Expression	Stage 1 Severity
BR058	The set of FoR codes assigned to a journal article must match the FoR codes for specific ERA ID in the ranked journal list, except where one of the nominated is under mathematical sciences code (01)	Error

The example below shows the research output where at least 1 of the FoR apportionments does not match the FoR code in the ranked journal list and the mismatched code does not begin with 01 (mathematical sciences). This will generate an error.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What&apos;s Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1902" apportionment="25"/>
    <seer:discipline forGroupCode="2003" apportionment="25"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
    <seer:creator orderInOutput="2" publishedName="Contras, B."/>
    <seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
    <seer:creator orderInOutput="4" publishedName="Zetland, G."/>
    <seer:creator orderInOutput="5" publishedName="Clarence, B."/>
    <seer:creator orderInOutput="6" publishedName="Pinker, L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0009"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="35596"/>
</seer:journalArticle>
```

The example below shows that the only FoR code that does not match the FoR code in the ranked journal list is the 01 FoR code. To ensure that no error occurs, BR081 must also be adhered to.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What&apos;s Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0102" apportionment="80"/>
    <seer:discipline forGroupCode="1902" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:creators>
```

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```
<seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
<seer:creator orderInOutput="2" publishedName="Contras, B."/>
<seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
<seer:creator orderInOutput="4" publishedName="Zetland, G."/>
<seer:creator orderInOutput="5" publishedName="Clarence, B."/>
<seer:creator orderInOutput="6" publishedName="Pinker, L."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0009"/>
</seer:staffCreators>
<seer:rankedJournalOutlet eraJournalId="35596"/>
</seer:journalArticle>
```

BR059 – Assignment of ranked journal two-digit FoR codes

Id	Expression	Stage 1 Severity
BR059	If a journal is assigned to 2-digit FoR code other than 01 in the Ranked Journal List, the institution may assign up to three 4-digit FoR codes where the assigned FoR codes must be a subset of the 2-digit identified in the ERA journal list except where one of the nominated can be under 01 code.	Error

The example below shows a journal article where the journal is assigned to a 2-digit FoR (FoR 15 and 12 in this case), and one of the assigned FoRs are not within the 2-digit FoR identified in the Journal Ranking List. This will generate an error.

```
<seer:journalArticle yearPublished="2008" availableForPeerReview="false" extent="10 Pages"
identifier="2-s2.0-38749134509" journalIssue="2" journalVolume="112">
  <seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia" />
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1501" apportionment="60"/>
    <seer:discipline forGroupCode="1502" apportionment="20"/>
    <seer:discipline forGroupCode="1603" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Shinapak, T."/>
    <seer:creator orderInOutput="2" publishedName="Lehman, F. M."/>
    <seer:creator orderInOutput="3" publishedName="Pinker, H. J." />
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0008"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="36072"/>
</seer:journalArticle>
```

The example below shows a journal article where the journal is assigned to a 2-digit FoR (FoR 15 in this case). The assigned FoRs must be within the 2-digit FoR identified in the ranked journal list except that one of the FoRs may be assigned to a 01xx code. This will not generate an error. However, the Business Rule BR081 must be adhered to.

```
<seer:journalArticle yearPublished="2008" availableForPeerReview="false" extent="10 Pages"
identifier="2-s2.0-38749134509" journalIssue="2" journalVolume="112">
```

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```
<seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia" />
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0101" apportionment="80"/>
  <seer:discipline forGroupCode="1502" apportionment="20"/>
</seer:disciplineAssignment>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Shinapak, T." />
  <seer:creator orderInOutput="2" publishedName="Lehman, F. M." />
  <seer:creator orderInOutput="3" publishedName="Pinker, H. J." />
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0008" />
</seer:staffCreators>
<seer:rankedJournalOutlet eraJournalId="36072" />
</seer:journalArticle>
```

BR060 – Assignment of ranked conference ID

Id	Expression	Stage 1 Severity
BR060	The ERA conference ID must match the ERA conference ID in the listed conference list for 2010	Error

The example below shows a conference publication where an ERA conference ID does not match the ERA ID on the conference list. This will generate an error.

```
<seer:conferencePublication placeOfPublication="Piscataway, NJ, U.S.A."
yearPublished="2007" availableForPeerReview="false" extent="2007, Article number 4582457, Pages
156-172" publisher="IEEE">
  <seer:title nativeScript="Cumulative Power Spectrum in Anaesthesia
Indices" />
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0903" apportionment="100" />
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Norayeva, C." />
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0002" />
  </seer:staffCreators>
  <seer:eraListedConferenceOutlet eraConferenceId="4240" venue="Lyon
Convention Center, Lyon, France" />
</seer:conferencePublication>
```

The example below shows a conference publication where ERA conference ID matches the ERA ID on the conference list. This submission will not generate an error.

```
<seer:conferencePublication placeOfPublication="Piscataway, NJ, U.S.A."
yearPublished="2007" availableForPeerReview="false" extent="2007, Article number 4582457, Pages
156-172" publisher="IEEE">
```

SEER BUSINESS RULES AND VERIFICATION

```

Indices"/>
<seer:title nativeScript="Cumulative Power Spectrum in Anaesthesia
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0903" apportionment="100"/>
</seer:disciplineAssignment>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Norayeva, C."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0002"/>
</seer:staffCreators>
<seer:eraListedConferenceOutlet eraConferenceId="42403" venue="Lyon
Convention Center, Lyon, France "/>
</seer:conferencePublication>
  
```

BR061 – Assignment of ranked conference FoR codes

Id	Expression	Stage 1 Severity
BR061	The set of FoR codes assigned to listed conferences must match the set of FoR codes tagged to specific ERA Conference ID in the listed conference list	Error

The example below shows at least one FoR assigned to the conference publication does not match the FoR on the conference list. This will generate an error.

```

<seer:conferencePublication placeOfPublication="Piscataway, NJ, U.S.A."
yearPublished="2007" availableForPeerReview="false" extent="2007, Article number 4582457, Pages
156-172" publisher="IEEE">
Indices"/>
<seer:title nativeScript="Cumulative Power Spectrum in Anaesthesia
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0913" apportionment="50"/>
  <seer:discipline forGroupCode="0102" apportionment="25"/>
  <seer:discipline forGroupCode="0999" apportionment="25"/>
</seer:disciplineAssignment>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Norayeva, C."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0002"/>
</seer:staffCreators>
<seer:eraListedConferenceOutlet eraConferenceId="42392" venue="Lyon
Convention Center, Lyon, France "/>
</seer:conferencePublication>
  
```

SEER BUSINESS RULES AND VERIFICATION

BR062 & BR63 – Year published and year presented

Id	Expression	Stage 1 Severity
BR062	The non traditional research outputs must have at least one of the following years within the research output reference period (2003 to 2008 inclusively) - Year Published - Year Presented	Error
BR063	If the year presented is within the reference period and year published is not, then a warning message will be generated	Warning

The example below shows a non-traditional research output year published outside of the reference period (2003-2008 inclusively) but the year presented is not provided. This will generate an error.

```
<seer:recordedOrRenderedWork availableForPeerReview="true" availableInRepository="false"
category="1" placeOfPublication="Melbourne" yearPublished="2000" extent="1 minute 36 seconds"
publisher="ShotInTheDark Productions" media="Included are: high-definition short film; publication
material; and reviews in local and national outlets (x5).">
  <seer:title nativeScript="Το Φένσι" romanScript="To Fensi" translated="The Fencie (The
Fence)" language="2201"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1902" apportionment="40"/>
    <seer:discipline forGroupCode="1604" apportionment="30"/>
    <seer:discipline forGroupCode="2003" apportionment="30"/>
  </seer:disciplineAssignment>
  <seer:otherLocations>
    <seer:otherLocation location="Regent Theatre, Melbourne Film Festival 2004"
nonRepositoryJustification="The HD recording is too large for the repository. This work is available on
Blu-ray disc. Please contact the institution for a copy."/>
  </seer:otherLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0012"/>
  </seer:staffCreators>
  <!-- the example show the research output is nominated for Peer Review under 1902 only-->
  <seer:preferredPRDisciplines>
    <seer:preferredPRDiscipline forGroupCode="1902"/>
  </seer:preferredPRDisciplines>
  <seer:researchStatement>
    Research Background;
    Research Contribution;
    Research Significance.
  </seer:researchStatement>
</seer:recordedOrRenderedWork>
```

The example below shows a non-traditional research output with both year published and year presented outside the reference period (2003-2008 inclusively). This will generate an error.

SEER BUSINESS RULES AND VERIFICATION

```
<seer:curatedExhibitionOrEvent availableForPeerReview="false" category="2" publisher="Orange
Regional Gallery" placeOfPublication="Orange, NSW" yearPublished="2009" yearPresented="2000"
extent="1 minute 36 seconds; short film, 5 artworks, 30" performance piece">
  <seer:title nativeScript="Trip the Light Fantastic"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1905" apportionment="60"/>
    <seer:discipline forGroupCode="1902" apportionment="20"/>
    <seer:discipline forGroupCode="1904" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/7608-1"
linkType="2" repositoryDomainReference="repos1.other.edu.au"/>
    <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/7608-7"
linkType="2" repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Riverstone, Matthew"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0013"/>
  </seer:staffCreators>
  <seer:preferredPRDisciplines>
    <seer:preferredPRDiscipline forGroupCode="1905"/>
  </seer:preferredPRDisciplines>
  <seer:researchStatement>
    Research Background;
    Research Contribution;
    Research Significance.
  </seer:researchStatement>
</seer:curatedExhibitionOrEvent>
```

The example below shows a non-traditional research output with the year published outside the reference period (2003-2008 inclusively) but the year presented is within the reference period. This will generate a warning.

```
<seer:livePerformance availableForPeerReview="true" availableInRepository="true" category="3"
placeOfPublication="NewWave Theatre, Brisbane" yearPresented="2005" yearPublished="2000"
extent="20 minutes" isSensitive="true" sensitiveNote="This option." media="Include! "><!--
BR063,Warning-->
  <seer:title nativeScript="Farewell Dreaming"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1904" apportionment="100"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://repos1.other.edu.au/article/00207608-106-2-5" linkType="2"
repositoryDomainReference="repos1.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Araluen, Percy"/>
  </seer:creators>
  <!-- required collection of 1 or more staff creators -->
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0011"/>
  </seer:staffCreators>
```

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```

</seer:staffCreators>
<seer:researchThemes>
  <seer:researchTheme code="THM22"/>
</seer:researchThemes>
<seer:typesOfSensitivity>
  <seer:typeOfSensitivity type="2"/>
</seer:typesOfSensitivity>
<seer:researchStatement>
  Research Background;
  Research Contribution;
  Research Significance.
</seer:researchStatement>
</seer:livePerformance>
  
```

BR066 – Minimum outputs for researchers

Id	Expression	Stage 1 Severity
BR066	If a researcher has an Employment Status of 2 or 3 then they must have at least 1 research output submitted	Error

The example below shows that the staff reference included for an eligible researcher other than “employed” must have at least one research output in the submission.

<!-- a researcher -->

```

<seer:researcher staffReference="ERA0089" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="2"
researcherFunction="B" totalFte="0.5">
  
```

<!-- an output related to the research mentioned above -->

```

<seer:book availableForPeerReview="true" edition="1" publisher="Art Education Association of
Australia (AEAA)" placeOfPublication="Canberra, Australia" yearPublished="2006" isbn="978-
8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA00089"/>
  </seer:staffCreators>
  
```

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</seer:book>

BR067 – Research item apportionment

Id	Expression	Stage 1 Severity
BR067	The sum of apportionmentPerGroup from the same research item must be 100	Error

The example below shows that a patent with FoRs assigned to 150 percent in total. This will generate an error.

```
<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon monoxide sensor" number="US 5691465"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0305" apportionment="50"/>
    <seer:discipline forGroupCode="0307" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:patentFamily>
```

The example below shows that the patent has an assigned FoR totaling 99.01 percent. This will generate an error.

```
<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon monoxide sensor" number="US 56914677"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0305" apportionment="0.01"/>
    <seer:discipline forGroupCode="0307" apportionment="99"/>
  </seer:disciplineAssignment>
</seer:patentFamily>
```

BR068 – Unique patent number

Id	Expression	Stage 1 Severity
BR068	The patent number must be unique within a submission	Error

The example below shows two patents being submitted with the same patent number. This will generate an error.

```
<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon monoxide sensor" number="US 5691465"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0302" apportionment="50"/>
    <seer:discipline forGroupCode="0307" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:patentFamily>
<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
```

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```
<seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon
monoxide sensor" number="US 5691465"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0305" apportionment="50"/>
    <seer:discipline forGroupCode="0306" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:patentFamily>
```

BR069 - Unique registry ID

Id	Expression	Stage 1 Severity
BR069	The registered designs registry ID must be unique within a submission	Error

The example below shows two registered designs submitted with the same registered ID. This will generate an error.

```
<seer:registeredDesign referenceYear="2007" name="Hemostat style elongated dissecting and
dividing instrument " registryOrganisation="IP Australia" registeredId="AU316731S">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0803" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:registeredDesign>
```

```
<seer:registeredDesign referenceYear="2007" name="Hemostat style elongated dissecting and
dividing instrument " registryOrganisation="IP Australia" registeredId="AU316731S">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0804" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:registeredDesign>
```

BR070 - Unique plant breeder's number

Id	Expression	Stage 1 Severity
BR070	The plant breeder's application number must be unique within a submission	Error

The example below shows two of plant breeder's rights being submitted with the same number. This will generate an error.

```
<seer:plantBreedersRightsFamily name="Agavaceae">
  <seer:plantBreedersRights referenceYear="2006" countryOfRegistration="6201"
name="Hosta capitata" number="545464"/><!--BR070-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0607" apportionment="100"/>
  </seer:disciplineAssignment>
```

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```
</seer:plantBreedersRightsFamily>
```

```
<seer:plantBreedersRightsFamily name="Agavaceae">
  <seer:plantBreedersRights referenceYear="2006" countryOfRegistration="6201"
name="Hosta capitata" number="545464"/><!--BR070-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0607" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:plantBreedersRightsFamily>
```

BR071 – Plant breeder’s country of registration code

Id	Expression	Stage 1 Severity
BR071	The country of registration code assigned to plant breeders must match the list of ABS country codes	Error

The example shows an invalid country code. This will generate an error.

```
<seer:plantBreedersRightsFamily name="Rosaceae">
  <seer:plantBreedersRights referenceYear="2006" countryOfRegistration="0000"
name="Lynothamnus" number="2006/075"/><!--BR071-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0607" apportionment="50"/>
    <seer:discipline forGroupCode="0604" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:plantBreedersRightsFamily>
```

BR072 – Research commercialisation income apportionment

Id	Expression	Stage 1 Severity
BR072	The sum of apportionmentPerGroup from the same year for research commercialisation income must be between 95-105 inclusively	Error

The example below shows the FoR apportionment within each reference year is not between the required 95 and 100 percent. This will generate an error.

```
<seer:researchCommercialisationIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear totalAmountReceived="13020" referenceYear="2006">
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0205" apportionment="7.68"/>
        <seer:discipline forGroupCode="0303" apportionment="7.68"/>
        <seer:discipline forGroupCode="0304" apportionment="3.84"/>
        <seer:discipline forGroupCode="0401" apportionment="5.76"/>
        <seer:discipline forGroupCode="0404" apportionment="3.84"/>
        <seer:discipline forGroupCode="1903" apportionment="1.54"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:researchCommercialisationIncome>
```

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```

<seer:discipline forGroupCode="2099" apportionment="0.23"/>
<seer:discipline forGroupCode="0501" apportionment="4.61"/>
<seer:discipline forGroupCode="0902" apportionment="6.91"/>
<seer:discipline forGroupCode="0911" apportionment="26.88"/>
<seer:discipline forGroupCode="1403" apportionment="3.46"/>
<seer:discipline forGroupCode="1602" apportionment="1.54"/>
<seer:discipline forGroupCode="1702" apportionment="1.54"/>
<seer:discipline forGroupCode="0103" apportionment="3.84"/>
<seer:discipline forGroupCode="0803" apportionment="5.3"/>
<seer:discipline forGroupCode="0805" apportionment="4.22"/>
<seer:discipline forGroupCode="0604" apportionment="1.54"/>
<seer:discipline forGroupCode="0701" apportionment="5.76"/>
<seer:discipline forGroupCode="1106" apportionment="10.00"/>
</seer:incomeDisciplineAssignment>
</seer:otherIncomeYear>
<seer:otherIncomeYear totalAmountReceived="11870" referenceYear="2007">
  <seer:incomeDisciplineAssignment>
    <seer:discipline forGroupCode="0205" apportionment="60"/>
    <seer:discipline forGroupCode="0303" apportionment="34"/>
  </seer:incomeDisciplineAssignment>
</seer:otherIncomeYear>
<seer:otherIncomeYear totalAmountReceived="8840" referenceYear="2008">
  <seer:incomeDisciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="9.45"/>
    <seer:discipline forGroupCode="1106" apportionment="95.66"/>
  </seer:incomeDisciplineAssignment>
</seer:otherIncomeYear>
</seer:otherIncomeYears>
</seer:researchCommercialisationIncome>

```

BR073 - Category 1 research income apportionment

Id	Expression	Stage 1 Severity
BR073	The sum of apportionmentPerGroup from the same year for each grant category 1 income must be between 95 and 105 inclusively	Error

The example below shows the apportionment for category 1 research income totals 96.7 and 94 in the second year. This will generate an error on the grant as the second year amount is outside the 95 to 100 percentage limit.

```

<seer:australianCompetitiveGrant percentageOfGrantWithinRefPeriod="100">
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2006_066" referenceYear="2007"
totalAmountReceived="100000">
      <seer:incomeDisciplineAssignment>
        <seer:discipline apportionment="45.5" forGroupCode="0201"/>
        <seer:discipline apportionment="25.5" forGroupCode="0202"/>
        <seer:discipline apportionment="25.7" forGroupCode="0204"/>
      </seer:incomeDisciplineAssignment>
    </seer:incomeYear>
    <seer:incomeYear acgrCode="FND2006_066" referenceYear="2008"
totalAmountReceived="100000">

```

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```

<seer:incomeDisciplineAssignment>
  <seer:discipline apportionment="45" forGroupCode="0201"/>
  <seer:discipline apportionment="25" forGroupCode="0202"/>
  <seer:discipline apportionment="24" forGroupCode="0204"/>
</seer:incomeDisciplineAssignment>
</seer:incomeYear>
</seer:incomeYears>
</seer:australianCompetitiveGrant>

```

BR074 – Esteem measures apportionment

Id	Expression	Stage 1 Severity
BR074	The sum of apportionmentPerGroup from the same esteem measure must be 100	Error

The example below shows an apportionment of 101 percent. This will generate an error.

```

<seer:editorWorkOfReference workOfReference="EPWR01" staffReference="ERA0001">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1201" apportionment="50"/>
    <seer:discipline forGroupCode="1203" apportionment="51"/>
  </seer:disciplineAssignment>
</seer:editorWorkOfReference>

```

The example below shows an apportionment of 99.99 percent. This will generate an error.

```

<seer:recipientOfAustraliaCouncilGrantOrFellowship grantOrFellowshipProgram="AustCoGF03">
  <seer:recipients>
    <seer:recipient honorific="Ms" firstName="Jane" middleName="Anne"
  lastName="Phillips"/>
  </seer:recipients>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="99.99"/><!--BR074-->
  </seer:disciplineAssignment>
</seer:recipientOfAustraliaCouncilGrantOrFellowship>

```

BR075 – Unique fellowship program and recipient last name

Id	Expression	Stage 1 Severity
BR075	Fellowship Program and recipient last name should be unique	Warning

The example below shows two submission items which have the same fellowship program identifier and the same last name. This will be identified as a potential duplicate item and a warning message will be generated.

```

<seer:recipientOfCompetitiveFellowship fellowshipProgram="NCRF02">

```

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```

<seer:recipients>
  <seer:recipient honorific="Ms" firstName="Jane" middleName="Anne"
  lastName="Phillips"/>
</seer:recipients>
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0301" apportionment="50"/>
  <seer:discipline forGroupCode="0306" apportionment="50"/>
</seer:disciplineAssignment>
</seer:recipientOfCompetitiveFellowship>

<seer:recipientOfCompetitiveFellowship fellowshipProgram="NCRF02">
  <seer:recipients>
    <seer:recipient honorific="Ms" firstName="Anee" middleName="Anne"
    lastName="Phillips"/>
  </seer:recipients>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0301" apportionment="50"/>
    <seer:discipline forGroupCode="0306" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:recipientOfCompetitiveFellowship>

```

BR076 – Unique work of reference and staff reference number

Id	Expression	Stage 1 Severity
BR076	Work of reference and staff reference number combined must be unique	Warning

The example below shows two submission items which have the same work of reference identifier and the same Staff Reference. This will be identified as a duplicate and will generate a warning.

```

<seer:editorWorkOfReference workOfReference="EPWR01" staffReference="ERA0001">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1201" apportionment="50"/>
    <seer:discipline forGroupCode="1203" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:editorWorkOfReference>

<seer:editorWorkOfReference workOfReference="EPWR01" staffReference="ERA0001">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1201" apportionment="50"/>
    <seer:discipline forGroupCode="1203" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:editorWorkOfReference>

```

BR077 – Unique learned academy and staff reference number

Id	Expression	Stage 1 Severity
BR077	Learned Academy and staff reference number combined must be unique	Error

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The example below shows two submission items which have the same Learned Academy identifier and the same Staff Reference. This will be identified as a duplicate and will generate an error.

```
<seer:membershipLearnedAcademy learnedAcademy="FLAM02" year="2007"
staffReference="ERA0003"><!--BR077 non unique combination of Learned Academy and staff
reference number -->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:membershipLearnedAcademy>
```

```
<seer:membershipLearnedAcademy learnedAcademy="FLAM02" year="2007"
staffReference="ERA0003"><!--BR077 non unique combination of Learned Academy and staff
reference number -->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:membershipLearnedAcademy>
```

BR078 - Unique statutory committee name and unique staff reference

Id	Expression	Stage 1 Severity
BR078	Statutory committee name and staff reference combined should be unique	Warning

The example below shows two submission items which have the same statutory committee name and the same Staff Reference. This will be identified as a potential duplicate and a warning message will be generated.

```
<seer:membershipStatutoryCommittee name="Water Quality Advisory Committee"
staffReference="ERA0008" referenceYear="2006"> <!--BR078 non unique Statutory committee name
and staff reference combination-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1104" apportionment="25"/>
    <seer:discipline forGroupCode="1106" apportionment="75"/>
  </seer:disciplineAssignment>
</seer:membershipStatutoryCommittee>
```

```
<seer:membershipStatutoryCommittee name="Water Quality Advisory Committee"
staffReference="ERA0008" referenceYear="2006"><!--BR078 non unique Statutory committee name
and staff reference combination-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1104" apportionment="25"/>
    <seer:discipline forGroupCode="1106" apportionment="75"/>
  </seer:disciplineAssignment>
</seer:membershipStatutoryCommittee>
```

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BR079 – Learned academy reference year

Id	Expression	Stage 1 Severity
BR079	The reference year for membership of Learned Academy must not be after 2008	Error

The example below shows the reference year outside the reference period. This will generate an error.

```
<seer:membershipLearnedAcademy learnedAcademy="FLAM02" year="2009"
staffReference="ERA0003"><!--BR079-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:membershipLearnedAcademy>
```

```
<seer:membershipLearnedAcademy learnedAcademy="FLAM04" year="2002"
staffReference="ERA0003"><!--notBR079-->
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="100"/>
  </seer:disciplineAssignment>
</seer:membershipLearnedAcademy>
```

BR080 – FoR assignment to portfolio

Id	Expression	Stage 1 Severity
BR080	The maximum number of different FoRs apportioned to research outputs within a portfolio must be three	Error

The example of the portfolio below shows that the research outputs within the portfolio are apportioned to 1903, 1902, 1503, 1403, 1203 and 1303. This exceeds the total of three FoRs for a portfolio. This will generate an error.

```
<seer:portfolio name="New Zealand as the Next Australian State?" portfolioNumber="01">
  <seer:researchStatement>
    Research Portfolio Background;
    Research Portfolio Contribution;
    Research Portfolio Significance.
  </seer:researchStatement>
  <seer:originalCreativeWork extent="10000 words" yearPublished="2008"
availableForPeerReview="true" availableInRepository="true" category="3"
placeOfPublication="Melbourne, Australia" media="textual work" notes="The magazine in which it
appeared: The Monthly, Issue 22, pages 11-18">
  <seer:title nativeScript="A Wolf In Sheep's Clothing"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1903" apportionment="20"/>
    <seer:discipline forGroupCode="1902" apportionment="40"/>
    <seer:discipline forGroupCode="1503" apportionment="40"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454846" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
  </seer:electronicLocations>
</seer:portfolio>
```

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```

</seer:electronicLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0014"/>
</seer:staffCreators>
</seer:originalCreativeWork>
<seer:originalCreativeWork extent="15 pages" yearPublished="2008"
availableForPeerReview="true" availableInRepository="true" category="3"
placeOfPublication="Sydney, Australia" media="textual work" notes="Published in The Australian (3
March-30 March)">
  <seer:title nativeScript="A Different Horizon: Australian/New Zealand Relations"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1403" apportionment="20"/>
    <seer:discipline forGroupCode="1203" apportionment="40"/>
    <seer:discipline forGroupCode="1303" apportionment="40"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454847" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0014"/>
  </seer:staffCreators>
</seer:originalCreativeWork>
</seer:portfolio>

```

BR081 – FoR apportionment for 01 – Mathematical Sciences

Id	Expression	Stage 1 Severity
BR081	The apportionment percentage assigned to 01 code must be between 80 to 100 inclusively	Error

The example below shows a research output where the 01xx code is NOT part of the FoR codes on the journal ranking list for ERAID 35596 but the 01xx code is not apportioned between 80 and 100 percent. This will generate an error.

```

<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What's Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1902" apportionment="25"/>
    <seer:discipline forGroupCode="0103" apportionment="25"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
    <seer:creator orderInOutput="2" publishedName="Contras, B."/>
  </seer:creators>
</seer:journalArticle>

```

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```
<seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
<seer:creator orderInOutput="4" publishedName="Zetland, G."/>
<seer:creator orderInOutput="5" publishedName="Clarence, B."/>
<seer:creator orderInOutput="6" publishedName="Pinker, L."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0009"/>
</seer:staffCreators>
<seer:rankedJournalOutlet eraJournalId="35596"/>
</seer:journalArticle>
```

The example below shows the correct submission.

```
<seer:journalArticle yearPublished="2004" availableForPeerReview="false" extent="32 pages"
journalIssue="7439" journalVolume="328">
  <seer:title nativeScript="Guess What's Coming for Dinner: Quick Patient Recovery and
Quality of Hospital Food - A Quantitative Study. "/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0102" apportionment="80"/>
    <seer:discipline forGroupCode="1902" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
    <seer:creator orderInOutput="2" publishedName="Contras, B."/>
    <seer:creator orderInOutput="3" publishedName="Dimitriev, M."/>
    <seer:creator orderInOutput="4" publishedName="Zetland, G."/>
    <seer:creator orderInOutput="5" publishedName="Clarence, B."/>
    <seer:creator orderInOutput="6" publishedName="Pinker, L."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0009"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="35596"/>
</seer:journalArticle>
```

BR082 – FoR Assignment for preferred peer review discipline

Id	Expression	Stage 1 Severity
BR082	For non traditional research outputs the FoR codes provided for preferred peer review disciplines must be subset of the FoRs assigned to research outputs within a portfolio	Error

The example below shows the research output where the Preferred Peer Review discipline is not a sub set of the assigned FoRs. This will generate an error.

```
<seer:originalCreativeWork extent="1 piece" yearPublished="2006" availableForPeerReview="true"
availableInRepository="true" category="1" placeOfPublication="Melbourne" media="installation">
  <seer:title nativeScript="Imagined Realities"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1904" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="50"/>
  </seer:disciplineAssignment>
```

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```
<seer:electronicLocations>
  <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454844" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
</seer:electronicLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="LaMont, S. B."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0003"/>
</seer:staffCreators>
<seer:preferredPRDisciplines>
  <seer:preferredPRDiscipline forGroupCode="2102"/>
</seer:preferredPRDisciplines>
<seer:researchStatement>
  Research Background
  Research Contribution
  Research Significance
</seer:researchStatement>
</seer:originalCreativeWork>
```

BR083 – Bibliographic data for journal article

Id	Expression	Stage 1 Severity
BR083	If the identifier for journal article is valid, the bibliographic information tagged to the identifier match the bibliographic dataset from the citation provider	Warning

This business rule uses the bibliographic information returned from Scopus where the information is used to compare with the submitted indexed journal article. This will ensure that the EID correctly matches the journal article. Note that this generates a warning not an error where the bibliographic information differs.

BR084 – Listed conference FoR assignment

Id	Expression	Stage 1 Severity
BR084	If the listed conference is assigned to a 2 digit FoR code, the institution may assign up to three 4 digit FoR codes where the assigned FoR codes must be a subset of the 2 digit identified in the ERA conference list.	Error

The example below shows a conference publication where it is assigned to a 2 digit FoR (FoR 08 in this case) but the assigned FoR is not all within the 2 digit FoR identified in the ranked journal list. This will generate an error.

```
<seer:conferencePublication placeOfPublication="Piscataway, NJ, U.S.A." yearPublished="2007"
availableForPeerReview="false" extent="2007, Article number 4582457, Pages 156-172"
publisher="IEEE">
```

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```
<seer:title nativeScript="Cumulative Power Spectrum in Anaesthesia Indices"/>
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0801" apportionment="50"/>
  <seer:discipline forGroupCode="0802" apportionment="25"/>
  <seer:discipline forGroupCode="0999" apportionment="25"/>
</seer:disciplineAssignment>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Norayeva, C."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0002"/>
</seer:staffCreators>
<seer:eraListedConferenceOutlet eraConferenceId="42479" venue="Lyon Convention
Center, Lyon, France "/>
</seer:conferencePublication>
```

BR085 – FoR for ERA peer review of research outputs

Id	Expression	Stage 1 Severity
BR085	If a research output is available for peer review, at least one of the FoR assigned to the research output must have a peer review indicator profile set as applicable in discipline matrix	Error

The example below shows a research output with an assigned FoR of 0201. However 0201 is not identified as using peer review. This will generate an error.

```
<seer:book availableForPeerReview="true" availableInRepository="true" edition="1" publisher="Art
Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia"
yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0201" apportionment="100"/><!--BR085-Error FoR
codes not in peer review discipline matrix-->
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
</seer:book>
```

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BR086 – Preferred FoR for ERA peer review of research outputs

Id	Expression	Stage 1 Severity
BR086	The list of FoR codes assigned for the preferredPRDiscipline must match the FOR codes which have the peer review indicator set as applicable in the discipline matrix.	Error

The example below shows a research output where the Preferred Peer Review Discipline is 0201. However 0201 is not identified as using peer review. This will generate an error.

```
<seer:book availableForPeerReview="true" edition="1" publisher="Art Education Association of Australia (AEAA)" placeOfPublication="Canberra, Australia" yearPublished="2006" isbn="978-8837652893" extent="146 pages">
  <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1901" apportionment="50"/>
    <seer:discipline forGroupCode="1905" apportionment="30"/>
    <seer:discipline forGroupCode="1302" apportionment="20"/>
  </seer:disciplineAssignment>
  <seer:electronicLocations>
    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" linkType="2" repositoryDomainReference="repos2.other.edu.au"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Efland, A."/>
    <seer:creator orderInOutput="2" publishedName="Freedman, K."/>
    <seer:creator orderInOutput="3" publishedName="LaMont, S. B."/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="ERA0003"/>
  </seer:staffCreators>
  <seer:preferredPRDisciplines>
    <seer:preferredPRDiscipline forGroupCode="0201"/>
  </seer:preferredPRDisciplines>
</seer:book>
```

BR088 – FoR for non-traditional research outputs

Id	Expression	Stage 1 Severity
BR088	At least one of the FoR codes assigned to the non traditional research output must have the volume and activity indicator set as applicable in the discipline matrix	Error

The example below shows the non-traditional research output where none of the assigned FoRs have a non-traditional research output type specified in the discipline matrix. This will generate an error.

```
<seer:originalCreativeWork extent="1 piece" yearPublished="2006" availableForPeerReview="true" availableInRepository="true" category="1" placeOfPublication="Melbourne" media="installation">
```

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```

<seer:title nativeScript="Imagined Realities"/>
<seer:disciplineAssignment>
  <seer:discipline forGroupCode="0203" apportionment="50"/>
  <seer:discipline forGroupCode="0204" apportionment="50"/>
  <seer:discipline forGroupCode="0205" apportionment="50"/>
</seer:disciplineAssignment>
<seer:electronicLocations>
  <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454844" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
  <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454845" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
  <seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454846" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
</seer:electronicLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="LaMont, S. B."/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="ERA0003"/>
</seer:staffCreators>
<seer:preferredPRDisciplines>
  <seer:preferredPRDiscipline forGroupCode="1905"/>
</seer:preferredPRDisciplines>
<seer:researchStatement>
  Research Background
  Research Contribution
  Research Significance
</seer:researchStatement>
</seer:originalCreativeWork>
  
```

BR089 – FoR for applied measures

Id	Expression	Stage 1 Severity
BR089	At least one of the FoR codes assigned to the applied measure must have the respective indicator set as applicable in the discipline matrix	Error

The example below shows a patent submission which has an assigned FoR where the FoR is specified as an applied measure in the indicator matrix. This will generate an error.

```

<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon monoxide sensor" number="US 5691465"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1801" apportionment="50"/>
    <seer:discipline forGroupCode="1802" apportionment="20"/>
    <seer:discipline forGroupCode="1899" apportionment="30"/>
  </seer:disciplineAssignment>
</seer:patentFamily>
  
```

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BR090 – Research commercialisation income minimum amounts

Id	Expression	Stage 1 Severity
BR090	For research commercialisation income the total amount submitted for all years must not be less than or equal to zero	Warning

The example below shows the total amount received for research commercialisation income equals 0. This will generate an error.

```

<seer:researchCommercialisationIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear totalAmountReceived="-1500" referenceYear="2006"> <!--
BR090 test data ends -->
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0205" apportionment="50"/>
        <seer:discipline forGroupCode="0303" apportionment="50"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear totalAmountReceived="-3500" referenceYear="2007"> <!--
BR090 test data ends -->
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0205" apportionment="50"/>
        <seer:discipline forGroupCode="0303" apportionment="50"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear totalAmountReceived="5000" referenceYear="2008">
      <seer:incomeDisciplineAssignment>
        <seer:discipline forGroupCode="0201" apportionment="50"/>
        <seer:discipline forGroupCode="0303" apportionment="50"/>
      </seer:incomeDisciplineAssignment>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:researchCommercialisationIncome>

```

BR091 – Category 1 research income minimum amounts

Id	Expression	Stage 1 Severity
BR091	For category 1 income the total amount submitted for all years per grant must not be less than or equal to zero	Warning

The example below shows the total amount received for Category 1 income equals 0. This will generate an error.

```

<seer:australianCompetitiveGrant percentageOfGrantWithinRefPeriod="33.33">
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2006_091" referenceYear="2006"
totalAmountReceived="50000">
      <seer:incomeDisciplineAssignment>

```

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```

        <seer:discipline apportionment="50" forGroupCode="0305"/>
        <seer:discipline apportionment="50" forGroupCode="1201"/>
    </seer:incomeDisciplineAssignment>
</seer:incomeYear>
<seer:incomeYear acgrCode="FND2007_091" referenceYear="2007"
totalAmountReceived="-50000">
    <seer:incomeDisciplineAssignment>
        <seer:discipline apportionment="50" forGroupCode="0305"/>
        <seer:discipline apportionment="50" forGroupCode="1201"/>
    </seer:incomeDisciplineAssignment>
</seer:incomeYear>
</seer:incomeYears>
</seer:australianCompetitiveGrant>

```

The example below shows the total amount received for Category 1 income is a negative amount. This will generate an error.

```

<seer:australianCompetitiveGrant percentageOfGrantWithinRefPeriod="100">
    <seer:incomeYears>
        <seer:incomeYear acgrCode="FND2007_066" referenceYear="2007"
totalAmountReceived="-100000"><!--example showing total income less than zero-->
            <seer:incomeDisciplineAssignment>
<!--Example showing more than three Group codes can be reported for any research income -->
                <seer:discipline apportionment="40" forGroupCode="0201"/>
                <seer:discipline apportionment="20" forGroupCode="0202"/>
                <seer:discipline apportionment="10" forGroupCode="0203"/>
                <seer:discipline apportionment="20" forGroupCode="0204"/>
                <seer:discipline apportionment="10" forGroupCode="2299"/>
            </seer:incomeDisciplineAssignment>
        </seer:incomeYear>
        <seer:incomeYear acgrCode="FND2008_096" referenceYear="2008"
totalAmountReceived="75000">
            <seer:incomeDisciplineAssignment>
                <seer:discipline apportionment="50" forGroupCode="0204"/>
                <seer:discipline apportionment="50" forGroupCode="0205"/>
            </seer:incomeDisciplineAssignment>
        </seer:incomeYear>
    </seer:incomeYears>
</seer:australianCompetitiveGrant>

```

BR092 – Categories 2, 3 and 4 income minimum amounts

Id	Expression	Stage 1 Severity
BR092	For category 2, 3 and 4 income the total amount submitted for all years must not be less than or equal to zero	Warning

The example below shows the total amount received for research income equals 0. This will generate an error.

```

<seer:industryAndOtherResearchIncome>
    <seer:internationalCompetitivePeerReview>

```

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```
<seer:otherIncomeYears><!--income showing total equals zero across all years-->
  <seer:otherIncomeYear totalAmountReceived="8500"
referenceYear="2006">
  <seer:incomeDisciplineAssignment>
    <seer:discipline forGroupCode="0205"
apportionment="7.68"/>
    <seer:discipline forGroupCode="0303"
apportionment="7.68"/>
    <seer:discipline forGroupCode="0304"
apportionment="3.84"/>
    <seer:discipline forGroupCode="0401"
apportionment="5.76"/>
    <seer:discipline forGroupCode="0404"
apportionment="3.84"/>
    <seer:discipline forGroupCode="1903"
apportionment="1.54"/>
    <seer:discipline forGroupCode="2099"
apportionment="0.23"/>
    <seer:discipline forGroupCode="0501"
apportionment="4.61"/>
    <seer:discipline forGroupCode="0902"
apportionment="6.91"/>
    <seer:discipline forGroupCode="0911"
apportionment="26.88"/>
    <seer:discipline forGroupCode="1403"
apportionment="3.46"/>
    <seer:discipline forGroupCode="1602"
apportionment="1.54"/>
    <seer:discipline forGroupCode="1702"
apportionment="1.54"/>
    <seer:discipline forGroupCode="0103"
apportionment="3.84"/>
    <seer:discipline forGroupCode="0803"
apportionment="5.3"/>
    <seer:discipline forGroupCode="0805"
apportionment="4.22"/>
    <seer:discipline forGroupCode="0604"
apportionment="1.54"/>
    <seer:discipline forGroupCode="0701"
apportionment="5.76"/>
    <seer:discipline forGroupCode="1106"
apportionment="3.84"/>
  </seer:incomeDisciplineAssignment>
</seer:otherIncomeYear>
  <seer:otherIncomeYear totalAmountReceived="-3500"
referenceYear="2007">
  <seer:incomeDisciplineAssignment>
    <seer:discipline forGroupCode="0205"
apportionment="8.42"/>
    <seer:discipline forGroupCode="0303"
apportionment="8.42"/>
    <seer:discipline forGroupCode="0304"
apportionment="4.21"/>
    <seer:discipline forGroupCode="0401"
apportionment="6.32"/>
```

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```

apportionment="1.68"/>
apportionment="0.25"/>
apportionment="5.05"/>
apportionment="7.58"/>
apportionment="29.49"/>
apportionment="1.68"/>
apportionment="4.21"/>
apportionment="5.81"/>
apportionment="4.63"/>
apportionment="1.68"/>
apportionment="6.32"/>
apportionment="4.21"/>
</seer:incomeDisciplineAssignment>
</seer:otherIncomeYear>
<seer:otherIncomeYear totalAmountReceived="-5000"
referenceYear="2008">
<seer:incomeDisciplineAssignment>
<seer:discipline forGroupCode="1903"
<seer:discipline forGroupCode="2099"
<seer:discipline forGroupCode="0501"
<seer:discipline forGroupCode="0902"
<seer:discipline forGroupCode="0911"
<seer:discipline forGroupCode="1602"
<seer:discipline forGroupCode="0103"
<seer:discipline forGroupCode="0803"
<seer:discipline forGroupCode="0805"
<seer:discipline forGroupCode="0604"
<seer:discipline forGroupCode="0701"
<seer:discipline forGroupCode="1106"
<seer:discipline forGroupCode="0201"
<seer:discipline forGroupCode="0303"
<seer:discipline forGroupCode="0304"
<seer:discipline forGroupCode="0401"
<seer:discipline forGroupCode="1903"
<seer:discipline forGroupCode="0501"
<seer:discipline forGroupCode="0902"
<seer:discipline forGroupCode="1602"
<seer:discipline forGroupCode="0103"
<seer:discipline forGroupCode="0803"
<seer:discipline forGroupCode="0805"
<seer:discipline forGroupCode="0604"
<seer:discipline forGroupCode="0701"
apportionment="16.97"/>
apportionment="11.31"/>
apportionment="5.66"/>
apportionment="8.48"/>
apportionment="2.26"/>
apportionment="6.79"/>
apportionment="10.18"/>
apportionment="2.26"/>
apportionment="5.66"/>
apportionment="7.81"/>
apportionment="6.22"/>
apportionment="2.26"/>
apportionment="8.48"/>

```

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```

    <seer:discipline forGroupCode="1106"
    apportionment="5.66"/>
    </seer:incomeDisciplineAssignment>
  </seer:otherIncomeYear>
</seer:otherIncomeYears>
</seer:internationalCompetitivePeerReview>
  
```

BR093 – FoR for esteem measures

Id	Expression	Stage 1 Severity
BR093	At least one of the FoR codes assigned to the esteem measure must have the respective esteem measure as applicable in the discipline matrix	Error

The example below shows a submission which has an assigned FoR that does not have esteem measures specified in the discipline matrix. This will generate an error.

```

<seer:editorWorkOfReference workOfReference="EPWR01" staffReference="ERA0001">
  <seer:disciplineAssignment> <!--Example of all invalid FoR for the esteem measure-->
    <seer:discipline forGroupCode="1002" apportionment="50"/>
    <seer:discipline forGroupCode="1003" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:editorWorkOfReference>
  
```

BR094 – All FoRs for non-traditional research outputs

Id	Expression	Stage 1
BR094	If at least one of the FoR codes assigned to the non traditional research output didn't have the volume and activity indicator set as applicable in the discipline matrix generate warning message to notify potential issue	Warning

The example below shows that the non-traditional output has at least one assigned FoR that does not have non-traditional research outputs identified in the discipline matrix. While this is allowed a warning message will be generated.

```

<seer:originalCreativeWork extent="1 piece" yearPublished="2006" availableForPeerReview="true"
availableInRepository="true" category="1" placeOfPublication="Melbourne" media="installation">
  <seer:title nativeScript="Imagined Realities"/>
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="1905" apportionment="50"/>
    <seer:discipline forGroupCode="0501" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:electronicLocations>
  
```

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```

<seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454844" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
<seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454845" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
<seer:electronicLocation
repositoryLink="https://closed.other.edu.au/images/1905454846" linkType="2"
repositoryDomainReference="closed.other.edu.au"/>
</seer:electronicLocations>
<seer:creators>
<seer:creator orderInOutput="1" publishedName="LaMont, S. B."/>
</seer:creators>
<seer:staffCreators>
<seer:staffCreator staffReference="ERA0003"/>
</seer:staffCreators>
<seer:preferredPRDisciplines>
<seer:preferredPRDiscipline forGroupCode="1905"/>
</seer:preferredPRDisciplines>
<seer:researchStatement>
Research Background
Research Contribution
Research Significance
</seer:researchStatement>
</seer:originalCreativeWork>

```

BR095 – All FoRs for applied measures

Id	Expression	Stage 1 Severity
BR095	If at least one of the FoR codes assigned to the applied measure didn't have the respective indicator set as applicable in the discipline matrix generate warning message to notify potential issue	Warning

The example below shows that the applied measure has at least one assigned FoR that does not have applied measures identified on the discipline matrix. While this is allowed it will generate a warning.

```

<seer:patentFamily name="Multi-plate thin film carbon monoxide sensor">
<seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate thin film carbon monoxide sensor" number="US 5691465"/>
<seer:disciplineAssignment>
<seer:discipline forGroupCode="0305" apportionment="50"/>
<seer:discipline forGroupCode="1801" apportionment="50"/>
</seer:disciplineAssignment>
</seer:patentFamily>

```

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BR096 – All FoRs for esteem measures

Id	Expression	Stage 1 Severity
BR096	If at least one of the FoR codes assigned to the esteem measures didn't have the respective indicator set indicator set as applicable in the discipline matrix generate warning message to notify potential issue	Warning

The example below shows that the esteem measure has at least one assigned FoR that does not have esteem measures identified on the discipline matrix. While this is allowed it will generate a warning.

```
<seer:editorWorkOfReference workOfReference="EPWR02" staffReference="ERA0004">
  <seer:disciplineAssignment>
    <seer:discipline forGroupCode="0801" apportionment="50"/> <!-- Warning: BR096,
should raise warning as ForCode 0801 is not marked in DM for Editor of Prestigious work of ref -->
    <seer:discipline forGroupCode="2004" apportionment="50"/>
  </seer:disciplineAssignment>
</seer:editorWorkOfReference>
```

BR097 – Valid FoR code

Id	Expression	Stage 1 Severity
BR097	The FoR code submitted must match the FoR code from the field of research disciplinary table	Error

The FoR code must be a valid FoR code.

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Duplicate resolution

This section addresses the criteria for duplication checking based on the mandatory information submitted by institutions for each research output type. There are two categories:

Duplicates

When the output is identified as a duplicate this indicates that the submitted information is definitely a duplicate with one or more record within the same submission. This will result in a message generated against the submission file as a business rule verification check. The institution will not be able to progress further through the submission process until the error is rectified.

Possible Duplicates

Where the output cannot be proven to be a duplicate, further inspection is required to make a decision. This is identified as a possible duplicate indicated by a warning message being generated against the submission file as a business rule verification check. The institution will be able to acknowledge the warning and to accept and rectify the submission or ignore the warning message and progress to the next step.

If the warning message remains, the ARC will review each individual issue and make a further decision according to the Stage 2 verification check process.

Indexed Journal Article

Duplicated indexed journal articles will impact on the citation analysis, volume and activity indicators and ranked journal indicators. Indexed journal articles have an EID number which is a unique identifier. Therefore the submission data is required to be uniquely submitted.

Method

During the submission verification process, the submitted EID must be checked for its uniqueness within the submission. If the EID is found not to be unique, the institution will be provided with the EID, output details of all the output under the EID and the number of duplicates. The institution is required to remove the duplication and resubmit.

Journal Article

In the absence of an EID for a non-indexed Journal Article, the duplication check must be done using other submitted data. Duplicate non-indexed journal articles will impact upon the following indicators: volume and activity indicator and ranked journals indicator.

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Method

Using data from mandatory¹ fields such as:

- Native script
- Year published
- Creator(s)
- Staff creator(s)
- Issue
- Volume
- ERA Journal ID

When comparing text data, the white space and capitalisation must be ignored. The scenarios where the duplication checks will occur are:

Data field							Duplication outcome
Native script							Possible (JAW1)
		Creator	Staff creator(s)	Volume	Issue	ERA Journal ID	Possible (JAW2)

Book

Books have an ISBN. The ISBN is a unique number for each book. However a slight difference of ISBN cannot guarantee that the book is not the same research output from the ERA definition of an eligible research output. The duplicated book output will impact upon the volume and activity indicators.

Method

Using data from mandatory fields such as:

- Native script
- Year published
- Creator(s)
- Staff creator(s)
- ISBN

¹ These fields must be updated according to the ERA-SEER *Technical Specifications*. If the field is no longer mandatory, it should also be removed from the checking method.

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The scenarios where the duplication check will occur include:

Data field					Duplication outcome
Native script					Possible (BOW1)
Native script	Year published			ISBN	Duplicate (BOE1)
				ISBN	Possible (BOW2)

Book chapter

A book chapter has two main structures that can be used to determine the possibility of duplication. The chapter which is the actual research output and the Book which the chapter is published in. The book also has an ISBN which is a unique number and can also be used. This information is the key identifier for the research output whether it is duplicated or not.

The scenarios below are based on the principle that if all three identifiers mentioned above are not unique, then the research output is identified as a duplicate. The impact of the duplication in Book chapters will affect the volume and activity indicator.

Method

Using data from mandatory fields such as:

- Native script,
- Year published
- Creator(s)
- Native script (Book outlet)
- Edition
- Publisher
- editor
- ISBN

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The scenarios where the duplication check will occur include:

Data field							Duplication outcome
Native script	Year published	Creator				ISBN	Duplicate (BCE1)
Native script			Native script (Outlet)				Possible (BCW1)
Native script			Native script (outlet)			ISBN	Duplicate (BCE2)
	Year published	Creator		Edition	Editor	ISBN	Possible (BCW2)

Ranked Conference publication

Similar to the journal ranking list, the information for listed conference outlets is derived from the Ranked Conferences list. This means that the institution will be required to include the ERA Conference ID instead of providing the full data set of the conference outlet. This impacts on the data available for duplication checks as the unique information of the conference publication is the conference publications title (native script). Using the native title and the ERA Conference ID combined will help the ARC in identifying the duplicated item. The impact of the duplication in Ranked Conference publications will affect the Volume and Activity and Ranked conference publication indicators.

Method

Using data from mandatory fields such as:

- Native script
- Year published
- Creator(s)
- Venue
- ERA Conference ID

When comparing text data, the white space and capitalisation must be ignored. The scenarios where the duplication check will occur include:

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Data field					Duplication outcome
Native script					Possible (LCW1)
	Year published	Creator	Venue	ERA Conference ID	Possible (LCW2)

Unranked Conference publication

As opposed to the Ranked Conference Publications, unranked conference publications allow the user to provide the details of the conference proceeding that the output is published. This creates three possible key identifiers to be used for duplication check. These include: the conference publication title (native script), conference proceeding outlet title and conference name. This method assumes that if all three key identifiers matched other records in the submission, the item is not unique. The impact of the duplication in Unranked Conference publications will affect the Volume and Activity and Ranked conference publication indicators.

Method

Using data from mandatory fields such as:

- Native script
- Year published
- Creator(s)
- Native script (Conference outlet)
- Conference Name
- Venue

The scenarios where the duplication check will occur include:

Data field					Duplication outcome	
Native script			Native script (Outlet)		Duplicate (UCE1)	
	Year published	Creator		Venue	Conference Name	Possible (UCW2)
Native						Possible

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script						(UCW1)
	Year published	Creator	Native script (Outlet)	Venue		Possible (UCW3)

Non-Traditional research output

The scenario below shows only possible duplications that are identified. The impact of the duplication in Unranked Conference publications will affect the Volume and Activity indicators.

The same criteria will be applied to each of the following research output types in separation.

- Creative work
- Live performance of creative work
- Recorded and Rendered Work
- Curated Exhibition or event

Method

Using data from mandatory fields such as:

- Native script
- Year published
- Creator(s)
- Work Type (This includes the value for creative work type, Live performance type, Recorded work type and Curated work type, each type is used to compare within the same research output type)
- Place of published

The scenarios where the duplication check will occur include:

Data field					Duplication outcome
Native script					Possible (OCW1, CPW1, RRW1, CEW1)
	Year published	Creator	work type	Place of Published	Possible (OCW2, CPW2, RRW2, CEW2)

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STAGE TWO SUBMISSION DATA VERIFICATION

In stage two of the submission process, the ARC undertakes further verification and integrity checking of the institution's data. If any errors are detected (such as duplicate outputs) the ARC will return the submission to the institution with a list of errors to be corrected.

Outlined below are some areas in which further verification and integrity checking may occur. The ARC will conduct a range of additional checks as it identifies issues. This list is intended as a guide to assist institutions in ensuring the integrity of their submissions prior to stage 2.

General Checks

- records where a business rule has generated a warning that the institution has ignored. The ARC will examine whether these warning should have been ignored.
- records with correctly encoded illegal and special characters (e.g. those referred to in section 2.5 of the *ERA-SEER 2010 Technical Specifications*).

Researchers

- apparently duplicated researchers.
- unusually low FTE for researchers with employment status type 'employed'.

Research income

- valid structure of category 1 research income elements.
- unusual research income amounts such as repetitive amounts, unusually low or high total amounts.
- unusual percentages of grant within reference period compared with the total amount received.

Research outputs

- records with apparently duplicated research outputs as initially identified by SEER as potential duplicates (based on matching algorithms).
- where a journal article appears in an extremely highly-cited category.
- that the preferred FoR for Peer Review is only a single FoR code and that it matches one of the FoRs to which the output has been assigned.
- possible duplication of outputs within portfolios and other non-traditional research output type outside portfolios.
- inconsistencies between 'year published' and 'year available' for research outputs.
- possible duplicated non-research output items (such as applied and esteem measures).
- that research outputs published in a non-English language have correctly provided additional information such as language code and Roman script.
- that the sensitive note provides enough information on how to handle the research output.
- that repository links in the submission file match the repository details in the institution repository test data (authentication details).
- that the repository link is in the correct format.
- where the repository link points to an unsupported file type.

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- for non-repository items, the information in the 'other location' must be adequate for peer review process.
- that the order that the researcher appears on the publication is meaningful.
- the research output published Name matches with the staff creator.
- the research statement must be provided for non-traditional research outputs flagged for peer review.
- cross check of bibliographic information of indexed journal articles with bibliographic information received from Scopus.
- that the research statement for a portfolio is only submitted on the portfolio level instead of for each individual output within the portfolio.
- the available for peer review flag of each research output within a portfolio does not conflict with other research outputs in the same portfolio.

Applied measures

- potential duplication of each Applied Measure type.

Esteem measures

- potential duplication of each Esteem Measure type.