Australian Government
Australian Research Council

ERA-SEER 2023 Business Rules and Verification

Contents

1. Introduction

The *ERA–SEER 2023 Business Rules and Verification* (hereafter 'Business Rules') are for the use of eligible higher education providers (hereafter 'institutions') making submissions as part of Excellence in Research for Australia (ERA). The *ERA 2023 Submission Guidelines* set out the policies, rules and requirements for ERA submissions. These Business Rules build upon the *ERA 2023 Submission Guidelines* and the *ERA-SEER Technical Specifications* to provide further technical instructions for institutions preparing and making ERA submissions.

The *Business Rules* provide information to institutions about the system checks that ERA IT platform, the System to Evaluate the Excellence of Research (SEER), will perform against institution submission data. Institutions should read the *ERA – SEER 2023 Business Rules and Verification* in conjunction with the *ERA 2023 Submission Guidelines* and the *ERA – SEER 2023 Technical Specifications.* This document targets technical staff involved in the preparation of the XML submission file and will help institutions ensure their submission data conforms to the ERA 2023 data requirements.

This document provides an indicative list of business rules. Institutions should note that this list may alter prior to the beginning of ERA 2023 submission. If changes to the ERA 2023 business rules do occur, the ARC will notify institutions.

Submission

During submission, SEER validates, verifies and checks ERA submission files against the business rules. This document provides a list of business rules, each of which has an identification number (e.g. BR001). Each business rule has an 'expression' and a 'message'. The 'expression' describes the data requirements in line with the *ERA 2023 Submission Guidelines* and *ERA – SEER 2023 Technical Specifications*. The 'message' is what SEER will show – as either an error message or a warning message – to inform the institution of an actual or potential data issue.

Where a business rule for ERA 2023 is substantially the same as the rule for ERA 2018, the business rule number remains unchanged. Business rules from previous ERA rounds that are obsolete for ERA 2023 have been deleted and the corresponding business rule number is no longer used.

The business rules examples section provides XML snippets, where possible, to provide a specific example of how the data should or should not be provided according to the business rule.

The peer review calculation section provides information to institutions about how to calculate the 30% of research outputs to be nominated for ERA peer review.

The duplicate resolution section outlines the criteria the ARC will use for duplication checking during the submission phase based on the mandatory information submitted by institutions for each research output type.

Data integrity checking

During data integrity checking, the ARC performs further checks to ensure the integrity of the submission data. This document includes a list of checks that the ARC will undertake during this phase, noting that additional checking outside this list may also occur. The checks are in addition to the system checks listed in the business rules and the submission de-duplication process.

2. Summary of changes from ERA 2018 to 2023

Business rules removed due to removal of ACGR list, applied measures and changes to research income:

For further details, please see ERA 2023 Draft Submission Guidelines

BR025 – Australian Competitive Grant Reference Year

BR030 – Applied Measures Reference Year

BR067 – Applied Measure Apportionment

BR068 – Unique Patent Number

BR069 – Unique Registered Design ID

BR070 – Unique Plant Breeder's Right Number

BR071 – Plant Breeder's Rights Country of Registration Code

BR090 – Research Commercialisation Income

BR091 – Category 1 Research Income Minimum Amounts

BR095 – FoRs for Applied Measures

BR106 – ACGR Code

BR124 – Individual ownership in Applied Measure

BR142 – No Duplication of Grant ID

BR143 – Funding schemes are not the same for the grant

BR144 – Unique patent family names

BR145 – Unique plant breeders rights family names

Changes to business rules:

BR012 & BR115 – Sensitive Research Outputs. Language change to remove 'culturally sensitive' and replace with 'contains sensitive content'. Also addition of select responses and free text option (see ERA-SEER 2023 DRAFT Technical Specification for further detail.

BR026 – Research income reference year, now includes all income type categories 1-4

BR027 – Research Income Apportionment Total, now includes all income type categories 1-4

BR059 – Assignment of Journal Two--Digit FoR Codes, a change has been made to exempt this rule if coded to Indigenous Studies (FoR45)

BR092 – Research income minimum amounts, now includes all income type categories 1-4

BR109 – ERA Peer Review Nomination, removal of peer review output nomination rule for individual output types. The 30% sample can be selected from any of the eligible research output types in any proportion to meet the 30% sample

BR113 – Reassignment of FoR Codes, a change has been made to exempt this rule if coded to Indigenous Studies (FoR45)

BR132 – Reassignment Exception for Journal Outputs, Indigenous Studeis (FoR45) is exempt from this rule

3. List of ERA–SEER 2023 Business Rules

This section provides an indicative list of ERA business rules, against which SEER will verify an institution's ERA 2023 submission. Institutions should note that the ARC may alter this list prior to the beginning of ERA 2023 submission. If changes to the ERA 2023 business rules do occur, the ARC will notify institutions.

ID	Expression	Error/Warning Message	Severity
BR001	The traditional research output must have either the Year Published or Year Available within the research output reference period (2016 -2021).	Both the Year Published and the Year Available of this traditional research output are outside the reference period.	Error
BR007	For books marked as 'revisions', edition information must be provided.	Edition information must be provided for all books marked as 'revisions'.	Error
BR011	If the language code indicates that the native script is in a language other than English, the Roman script for the title may be provided.	A Roman script of the research output title should be provided if the language code is in a language other than English.	Warning
BR012	For research outputs identified as 'Contains Sensitive Content', a sensitive handling note OR sensitive handling note other must be provided.	A sensitive handling note must be provided for all research outputs marked as 'Contains Sensitive Content'.	Error
BR018	For each researcher, the sum of apportionments to FoRs must be 100%.	The total FoR percentage apportionment for each researcher must equal 100%.	Error
BR023	If the research output is nominated for ERA peer review, an electronic location must be provided for the research output.	All research outputs nominated for ERA peer review must provide a link to its location in a repository.	Error
BR024	If the unique identifier of an indexed journal article is provided, it must match the unique identifier from the citation provider.	The indexed journal article unique identifier does not match the unique identifier in the bibliographic dataset from the citation provider.	Error

ID	Expression	Error/Warning Message	Severity
BR026	The Reference Year for each research income category must be one of the following values: 2019, 2020, 2021.	The reference year for each research income category is not valid.	Error
BR027	The sum of apportionments for each year of research income for each category must be between 95% and 105% inclusively.	The total FoR percentage apportionment for each year of research income category must be between 95% and 105%.	Error
BR031	Each researcher provided should have a unique first name and last name combination.	More than one researcher was submitted with the same first and last name.	Warning
BR042	Where a researcher has the Employment Status of '1' (employed), a total FTE value must be provided.	Where a researcher has the Employment Status of '1' (employed), a total FTE value must be provided.	Error
BR047	A data field must not contain the following items: 'N/A', 'NA', 'Not Available'	A data field exists that does not have meaningful content.	Error
BR048	The sum of apportionments from the same research output must be 100%.	The total FoR percentage apportionment for each research output must equal 100%.	Error
BR049	The apportionment for each FoR assigned to a research output must be between 20% and 100% inclusive.	The FoR percentage apportionment for each FoR assigned to a research output must be between 20% and 100% inclusive.	Error
BR050	The language code assigned to a research output must match a language code from the ABS language reference list.	The language code assigned to a research output must match the language code from the language reference table.	Error
BR054	The ERA Journal ID must match the ERA Journal ID provided in the *ERA 2023 Submission Journal List*.	The ERA Journal ID does not correspond with the one provided in the *ERA 2023 Submission Journal List*.	Error

ID	Expression	Error/Warning Message	Severity
BR059	If the FoR code assigned to the journal article is not a subset of the two-digit FoR code for the relevant Journal (as per *Submission Journal List*), the apportioned value of the FoR must be equal to or greater than 66% Note: Indigenous Studies (FoR45) is exempt from this rule.	The FoR code assigned to the journal article must be a subset of the two-digit FoR code for the relevant Journal (as per *ERA 2023 Submission Journal List*) or have an apportioned value equal to or greater than 66% Note: Indigenous Studies (FoR45) is exempt from this rule.	Error
BR062	The non-traditional research output must have either the Year Published or Year Presented within the research output reference period (2016-2021).	Both the Year Published and the Year Presented of this non-traditional research output are outside the reference period.	Error
BR066	If a researcher has an Employment Status of '2' (employed-casual) or '3' (other), then they must have at least one research output submitted. NOTE – for researchers with the Employment Status '2' and '3', institutions may only submit the research outputs which have a publication association between the researcher and the institution.	At least one research output must be provided for a researcher who has the Employment Status of '2' or '3'. NOTE – for these types of employees, only those research outputs that have a publication association between the researcher and the institution may be submitted.	Error
BR086	The FoR codes assigned to research outputs in PR Disciplines must accord with the ERA peer review indicator set in the *ERA 2023 Discipline Matrix.*	One or more of the FoR codes listed on an output do not accord with the ERA peer review indicator set in the *ERA 2023 Discipline Matrix.*	Error
BR092	For all income categories, the total amount submitted for each year must not be less than or equal to zero.	The total income for each category submitted per year must be greater than zero.	Error

ID	Expression	Error/Warning Message	Severity
BR094	All the FoR codes assigned to the non-traditional research output should accord with the non-traditional research output indicator set of the FoR within the *ERA 2023 Discipline Matrix.*	One or more of the FoR codes assigned to the non-traditional research output does not accord with the non-traditional research-output indicator set of the FoR within the *ERA 2023 Discipline Matrix.*	Error
BR097	The FoR code submitted must match a valid FoR code listed in the ANZSRC 2020.	One or more FoR codes submitted is not valid.	Error
BR099	The research output can only be nominated for ERA peer review in one (or more) of the FoR codes to which it is assigned.	The research output has been nominated for ERA peer review in an FoR code to which it is not assigned.	Error
BR104	The orderInOutput for authors connected to this research output must be in sequence starting from 1.	The orderInOutput for authors connected to this research output must be in sequence starting from 1.	Error
BR109	The Unit of Evaluation with peer review component must have 30% of its apportioned research outputs across any research output types nominated for peer review at the four-digit FoR level.	The Unit of Evaluation does not have 30% of its research outputs nominated for ERA peer review at the four-digit FoR level.	Error
BR112	Staff employed at less than 0.4 FTE must be included in the staff data. Their publications must be included if they are published within the reference period *and* at least one publication has byline to the submitting institution, or other demonstration of a publication association.	Staff employed at less than 0.4 FTE must be included in the staff data. Their publications must be included if they are published within the reference period *and* at least one publication has a byline linking the staff member to the submitting institution, or other demonstration of a publication association where the byline is not available on the publication.	Warning

ID	Expression	Error/Warning Message	Severity
BR113	If the FoR code assigned to a journal article does not match the FoR code(s) specified in the *ERA 2023 Submission Journal List* then the apportionment value of that FoR code must be at least 66%. Note: Indigenous Studies (FoR45) is exempt from this rule.	The FoR code assigned to the journal article must correspond to the FoR code(s) specified in the *ERA 2023 Submission Journal List* or have an apportioned value equal to or greater than 66% Note: Indigenous Studies (FoR45) is exempt from this rule.	Error
BR114	The staff member who has employment status as '1' (employed) and whose function is listed as 'Other Function' must have his/her staff reference associated with at least one research output.	A staff member who is employed with 'Other Function' must be associated with at least one research output.	Error
BR115	Where the institution has included a sensitive handling note OR sensitive handling note other, the contains sensitive content indicator must also be provided.	A contains sensitive content indicator must be associated with a research output that includes a sensitive handling note or sensitive handling note other.	Error
BR117	The journal article submitted must be an eligible journal article as listed in the *ERA 2023 Submission Guidelines* and as per the citation provider's publication definition.	The citation provider data indicates that the journal article is not eligible.	Error
BR118	If a portfolio is nominated for ERA peer review then an electronic location must be provided for each of the research items.	Each of the research items within the portfolio nominated for ERA peer review must provide a link indicating its location in a repository.	Error
BR122	Each research item within a portfolio must have either the Year Published or Year Presented within the research output reference period (2016 -2021).	A research item within the portfolio has both the Year Published and the Year Presented outside the reference period.	Error

ID	Expression	Error/Warning Message	Severity
BR125	For book and book chapter research output types, the ERA Publisher ID in the submission must match the ERA Publisher ID provided in the *ERA 2023 Submission Publisher List*.	The ERA Publisher ID does not correspond with the one provided in the *ERA 2023 Submission Publisher List*.	Error
BR126	The ERA Conference ID in the submission must match the ERA Conference ID provided in the *ERA 2023 Submission Conference List*.	The ERA Conference ID does not correspond with the one provided in the *ERA 2023 Submission Conference List.*	Error
BR132	The reassignment exception must not be used to move more than 40% of the apportioned journal articles into a single UoE. Note: Indigenous Studies (FoR45) is exempt from this rule.	The FoR code assigned to the journal article must correspond to the FoR code(s) specified in the *ERA 2023 Submission Journal List* for at least 60% of the outputs in a UoE. Note: Indigenous Studies (FoR 45) is exempt from this rule.	Warning
BR133	The total research income for Category 1, 2, 3 and 4 reported per year must be within a plus or minus 10% range in comparison to the HERDC data collection.	The total research income reported per year is not within plus or minus 10% of the HERDC data collection.	Warning
BR134	The published name of the 'staff creator' must appear on the research output 'creator' list.	The published name of the 'staff creator' must appear on the research output 'creator' list.	Warning
BR137	If the ERA Publisher ID in submission matches the ERA Publisher ID of 'Other', the publisher information must be provided.	If the ERA Publisher ID in submission matches the ERA Publisher ID of 'Other', then the publisher information must be provided.	Error
BR138	If the ERA Conference ID in submission matches the ERA Conference ID of 'Other', the conference series name must be provided.	If the ERA Conference ID in submission matches the ERA Conference ID of 'Other', then the conference series name must be provided.	Error

ID	Expression	Error/Warning Message	Severity
BR140	The institution has provided the name of a publisher that is already on the publisher list.	PublisherOther must not be the same as a publisher that is already on the publisher list.	Error
BR141	The institution has provided the name of a conference that is already on the conference list.	ConferenceOther must not be the same as a conference that is already on the conference list.	Error

4. ERA Submission – Business Rules Examples

The following section provides examples and XML snippets of *most* of the ERA Business Rules, demonstrating the error and providing the reason for it. Where it is not possible to provide an appropriate example, a brief explanation of the business rule is given. Please note that the following examples are for illustrative purposes only and that not all business rules are included below.

BR001 – Traditional Research Output Reference Period

ID	Expression	Severity
BR001	The traditional research output must have either the Year Published or Year Available within the research output reference period (2016-2021).	Error

EXAMPLE ONE – *The following example shows a research output with both Year Published and Year Available outside the research output reference period (2016-2021). This will generate an **error**.*

```
<seer:journalArticle identifier="X" journalVolume="944" journalIssue="2" yearAvailable="2022" yearPublished="2022" placeOfPublication="New York" extent="pages 553-541" availableInOpenAccessRepository="true">
        <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="100"/>
        </seer:disciplineAssignment>
        <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:journalOutlet eraJournalId="944"/>
</seer:journalArticle>
```

EXAMPLE TWO – *The following example shows a research output with Year Published outside the research output reference period and no Year Available provided. This will generate an **error.***

```
<seer:book edition="2" eraPublisherId="2112" placeOfPublication="Toronto, Canada "
yearPublished="2022" isbn="979-8837652893" extent="211 pages"
availableInOpenAccessRepository="true">

        <seer:title nativeScript="Mapping the World Economy"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3803" apportionment="80"/>

                <seer:discipline forGroupCode="3899" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:creators>

                <seer:creator orderInOutput="1" publishedName="McAllister, S. J."/>

        </seer:creators>

        <seer:staffCreators>

                <seer:staffCreator staffReference="ERA0005"/>

        </seer:staffCreators>

</seer:book>
```

EXAMPLE THREE – *The following example shows a research output with Year Published outside the reference period (2016-2021) and Year Available within the research output reference period. This will not generate an error.*

```
<seer:journalArticle identifier="X" journalVolume="944" journalIssue="2" yearAvailable="2021"
yearPublished="2022" placeOfPublication="New York" extent="pages 553-541"
availableInOpenAccessRepository="true">

        <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="5108" apportionment="100"/>

        </seer:disciplineAssignment>

        <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:journalOutlet eraJournalId="944"/>

</seer:journalArticle>
```

BR007 – Edition Information for Revised Books

ID	Expression	Severity
BR007	For books marked as 'revisions', edition information must be provided.	Error

<u>EXAMPLE ONE</u> – *The following example shows that the book has been revised but no edition information has been provided. This will generate an **error.***

\<seer:book isRevision="true" eraPublisherId="1002" placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146 pages" availableInOpenAccessRepository="true">

 \<seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

 \<seer:disciplineAssignment>

  \<seer:discipline forGroupCode="3601" apportionment="50"/>

  \<seer:discipline forGroupCode="3606" apportionment="30"/>

  \<seer:discipline forGroupCode="3901" apportionment="20"/>

 \</seer:disciplineAssignment>

 \<seer:electronicLocations>

  \<seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" />

 \</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>

<u>EXAMPLE TWO</u> – *The same snippet is provided with the correct information: that is, the book has been revised and edition information has been provided. This will not generate an error.*

\<seer:book isRevision="true" edition = "7" eraPublisherId="1002" placeOfPublication="Canberra, Australia" yearPublished="2016" isbn="978-8837652893" extent="146 pages" availableInOpenAccessRepository="true">

 \<seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

 \<seer:disciplineAssignment>

```
            <seer:discipline forGroupCode="3601" apportionment="50"/>
                    <seer:discipline forGroupCode="3606" apportionment="30"/>
                    <seer:discipline forGroupCode="3901" apportionment="20"/>
        </seer:disciplineAssignment>
        <seer:electronicLocations>
                    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                    0937652893" />
        </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>
```

BR011 – Native Script for Research Output in a Language Other Than English

ID	Expression	Severity
BR011	If the language code indicates that the native script is in a language other than English, the Roman script for the title may be provided.	Warning

EXAMPLE ONE – *The following example shows a research output published in a non-English language (2201 Greek) without the title in Roman script also being provided. This will generate a **warning.***

```
<seer:recordedOrRenderedWork category="1" placeOfPublication="Melbourne" yearPublished="2016"
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)."
availableInOpenAccessRepository="true">
        <seer:title nativeScript="Το Φένσι " translated="The Fencie (The Fence)" language="2201"/>
        <seer:disciplineAssignment>
                    <seer:discipline forGroupCode="3605" apportionment="40"/>
                    <seer:discipline forGroupCode="4406" apportionment="30"/>
                    <seer:discipline forGroupCode="4703" apportionment="30"/>
        </seer:disciplineAssignment>
```

```xml
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0011"/>
        </seer:staffCreators>
</seer:recordedOrRenderedWork>
```

EXAMPLE TWO – *The same snippet is provided with both native script and Roman script. This will not generate a **warning.***

```xml
 <seer:recordedOrRenderedWork category="1" placeOfPublication="Melbourne" yearPublished="2016"
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)."
availableInOpenAccessRepository="true">
        <seer:title nativeScript="Το Φένσι " romanScript="To Fensi" translated="The Fencie (The Fence)"
language="2201"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="3605" apportionment="40"/>
                <seer:discipline forGroupCode="4406" apportionment="30"/>
                <seer:discipline forGroupCode="4703" apportionment="30"/>
        </seer:disciplineAssignment>
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0011"/>
        </seer:staffCreators>
</seer:recordedOrRenderedWork>
```

BR012 & BR115 – Sensitive Research Outputs

ID	Expression	Severity
BR012	For research outputs identified as 'Contains Sensitive Content', a sensitive handling note OR sensitive handling note other must be provided.	Error
BR115	Where the institution has included a sensitive handling note OR sensitive handling note other the contains sensitive content indicator must also be provided.	Error

Multiple sensitive handling notes can be added by having a space between each numerical value. E.g. "1 2" or "1 2 3". "Sensitive Handling Note Other" can also be used if free text is required.

EXAMPLE ONE – *The following example shows the same research output as above with the sensitivity type provided but no sensitive handling note. This will generate an **error**.*

```
<seer:conferencePublication placeOfPublication="Sydney" yearPublished="2018"
containsSensitiveContent="True" extent="25 pages" publisher="IEEE Xplore"
availableInOpenAccessRepository="true">
        <seer:title nativeScript="Towards a Data Commons"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="4699" 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 eraConferenceId="43972" venue="Sydney, Australia ">
                <seer:title nativeScript="Proceedings - 2018 Digital Archives and Digital Humanities
                Conference"/>
        </seer:conferencePublicationOutlet>
</seer:conferencePublication>
```

EXAMPLE TWO – *The following example shows the same research output as above, with contains sensitive content and sensitive handling note provided. This will not generate an error.*

```
<seer:conferencePublication placeOfPublication="Sydney" yearPublished="2018" extent="25 Pages"
publisher="IEEE Xplore" containsSensitiveContent="True" sensitiveNote="1 "
availableInOpenAccessRepository="true">

        <seer:title nativeScript="Towards a Data Commons"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="4699" 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 eraConferenceId="43972" venue="Sydney, Australia ">

                <seer:title nativeScript="Proceedings - 2018 Digital Archives and Digital Humanities
                Conference"/>

        </seer:conferencePublicationOutlet>

</seer:conferencePublication>
```

EXAMPLE THREE – *The following example shows the same research output as above, with sensitive handling note provided, yet without indicating that the research output is contains sensitive content. This will generate an* ***error***.

```
<seer:conferencePublication placeOfPublication="Sydney" yearPublished="2018" extent="25 Pages"
publisher="IEEE Xplore" sensitiveNote="1" availableInOpenAccessRepository="true">

        <seer:title nativeScript="Towards a Data Commons"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="4699" 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 eraConferenceId="43972" venue="Sydney, Australia ">

        <seer:title nativeScript="Proceedings - 2018 Digital Archives and Digital Humanities
        Conference"/>

    </seer:conferencePublicationOutlet>

</seer:conferencePublication>
```

BR018 – Researcher Apportionment

ID	Expression	Severity
BR018	For each researcher, the sum of apportionments to FoRs must be 100%.	Error

EXAMPLE ONE – *The following example shows a researcher with a total FoR apportionment of less than 100%. This will generate an **error**.*

```
<seer:researcher staffReference="ERA0001" gender="Male" honorific="Associate Professor"
firstName="Nathan" middleName="Liam" lastName="Wilcott" employmentLevel="013"
employmentStatus="1" researcherFunction="B" totalFte="0.5">

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="5108" apportionment="40"/>

        <seer:discipline forGroupCode="3406" apportionment="40"/>

    </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>
```

EXAMPLE TWO – *The following example shows a researcher with a total FoR apportionment of more than 100%. This will generate an **error**.*

```
<seer:researcher staffReference="ERA0003" gender="Female" honorific="Professor" firstName="Susan"
middleName="Beatrice" lastName="LaMont" employmentLevel="014" employmentStatus="3"
researcherFunction="A" totalFte="1.0">

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3606" apportionment="10"/>

                <seer:discipline forGroupCode="3602" apportionment="15"/>

                <seer:discipline forGroupCode="3605" apportionment="90"/>

        </seer:disciplineAssignment>

        <seer:otherNames>

                <seer:otherName publishedName="LaMont, S"/>

                <seer:otherName publishedName="LaMont, S. B."/>

        </seer:otherNames>

</seer:researcher>
```

EXAMPLE THREE – *The following example shows a researcher with a total FoR apportionment of 100%. This will not generate an error.*

```
<seer:researcher staffReference="ERA0003" gender="Female" honorific="Professor" firstName="Susan"
middleName="Beatrice" lastName="LaMont" employmentLevel="000" employmentStatus="3"
researcherFunction="A" totalFte="1.0">

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3606" apportionment="10"/>

                <seer:discipline forGroupCode="3602" apportionment="15"/>

                <seer:discipline forGroupCode="3605" apportionment="75"/>

        </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	Severity
BR023	If the research output is nominated for ERA peer review, an electronic location must be provided for the research output.	Error

EXAMPLE ONE – *The following example shows a research output that has been nominated for peer review but does not provide electronic location to the research output in a repository. This will generate an **error.***

<seer:book availableInOpenAccessRepository="true" edition="1" eraPublisherId="42282" placeOfPublication="Canberra, Australia" yearPublished="2018" isbn="978-8837652893" extent="146 pages">

    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3601" apportionment="50"/>

        <seer:discipline forGroupCode="3606" apportionment="30"/>

        <seer:discipline forGroupCode="3901" 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:nominatedPRDisciplines>

        <seer:nominatedPRDiscipline forGroupCode="3901"/>

        <seer:nominatedPRDiscipline forGroupCode="3601"/>

    </seer:nominatedPRDisciplines>

</seer:book>

EXAMPLE TWO – *The following example shows how to identify that a research output is available for peer review and also provide the repository link to the research output in the repository. This will not generate an **error**.*

<seer:book availableInOpenAccessRepository="true" edition="1" eraPublisherId="2001" placeOfPublication="Canberra, Australia" yearPublished="2018" isbn="978-8837652893" extent="146 pages">

    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    <seer:disciplineAssignment>

```
                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                0937652893" />

        </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:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="3601"/>

                <seer:nominatedPRDiscipline forGroupCode="3901"/>

        </seer:nominatedPRDisciplines>

</seer:book>
```

BR024 – Unique output identifier Matching to Citation Provider

ID	Expression	Severity
BR024	If the unique output identifier of an indexed journal article is provided, it must match the unique output identifier from the citation provider.	Error

This business rule uses the bibliographic information of a journal (unique output identifier) returned from the citation provider and compares it to the submitted indexed journal article. This ensures that the unique output identifier correctly matches the submitted journal article.

EXAMPLE ONE – *The following example shows the identifier tag that will be used for this business rule.*

```
<seer:journalArticle identifier=" X " journalVolume="74" journalIssue="2" yearPublished="2018"
placeOfPublication="New York" extent="pages 553-541" availableInOpenAccessRepository="true">

        <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="5108" apportionment="100"/>

        </seer:disciplineAssignment>
```

```
        <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:journalOutlet eraJournalId="944" />
</seer:journalArticle>
```

EXAMPLE TWO – *The following example shows a journal article without identifier, submitted as a non-indexed journal article. In this case, this business rule will not be activated for this research output.*

```
<seer:journalArticle journalVolume="74" journalIssue="2" yearPublished="2018"
placeOfPublication="New York" extent="pages 553-541" availableInOpenAccessRepository="true">
        <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="100"/>
        seer:disciplineAssignment>
        <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:journalOutlet eraJournalId="944" />
</seer:journalArticle>
```

BR026 – Research Income Reference Year

ID	Expression	Severity
BR026	The Reference Year for each research income category must be one of the following values: 2019, 2020, 2021.	Error

EXAMPLE ONE – *The following example shows research income reported outside the reference period. This will generate an **error**.*

<seer:otherPublicSectorIncome>

    <seer:incomeYears>

        <seer:incomeYear totalAmountReceived="13020" referenceYear="2018">

        <seer:incomeDisciplineAssignment>

            <seer:discipline forGroupCode="5102" apportionment="50"/>

            <seer:discipline forGroupCode="3403" apportionment="50"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>

        <seer:incomeYear totalAmountReceived="11870" referenceYear="2019”>

        <seer:incomeDisciplineAssignment>

            <seer:discipline forGroupCode="5102" apportionment="40"/>

            <seer:discipline forGroupCode="3403" apportionment="60"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>

        <seer:incomeYear totalAmountReceived="8840" referenceYear="2020">

        <seer:incomeDisciplineAssignment>

            <seer:discipline forGroupCode="5101" apportionment="60"/>

            <seer:discipline forGroupCode="3401" apportionment="40"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>

    </seer:incomeYears>

</seer:otherPublicSectorIncome>

EXAMPLE TWO – *The following example shows the same research income but with both years inside the reference period. This will not generate an **error**.*

<seer:otherPublicSectorIncome>

    <seer:incomeYears>

        <seer:incomeYear totalAmountReceived="11870" referenceYear="2019”>

        <seer:incomeDisciplineAssignment>

```
                <seer:discipline forGroupCode="5102" apportionment="40"/>

                <seer:discipline forGroupCode="3403" apportionment="60"/>

        </seer:incomeDisciplineAssignment>

    </seer:incomeYear>

    <seer:incomeYear totalAmountReceived="8840" referenceYear="2020">

    <seer:incomeDisciplineAssignment>

                <seer:discipline forGroupCode="5101" apportionment="60"/>

                <seer:discipline forGroupCode="3403" apportionment="40"/>

        </seer:incomeDisciplineAssignment>

    </seer:incomeYear>

    </seer:incomeYears>

</seer:otherPublicSectorIncome>
```

BR027 – Research Income Apportionment Total

ID	Expression	Severity
BR027	The sum of apportionments for each year of research income for each category must be between 95% and 105% inclusively.	Error

EXAMPLE ONE – *The following example shows the total apportionment for Category 2 research income in 2019 is 107%. This will generate an **error.***

```
<seer:otherPublicSectorIncome>

    <seer:incomeYears>

        <seer:incomeYear totalAmountReceived="1968150" referenceYear="2019">

        <seer:incomeDisciplineAssignment>

                <seer:discipline apportionment="50" forGroupCode="5101"/>

                <seer:discipline apportionment="26" forGroupCode="5102"/>

                <seer:discipline apportionment="26" forGroupCode="5104"/>

                <seer:discipline apportionment="5" forGroupCode="5102"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>

    </seer:incomeYears>

</seer:otherPublicSectorIncome>
```

EXAMPLE TWO – *The following example shows the total apportionment for Category 2 research income in 2019 is 102%. This will not generate an error.*

```
<seer:otherPublicSectorIncome>

    <seer:incomeYears>
```

```
                <seer:incomeYear totalAmountReceived="1968150" referenceYear="2019">
                <seer:incomeDisciplineAssignment>
                        <seer:discipline apportionment="50" forGroupCode="5101"/>
                        <seer:discipline apportionment="26" forGroupCode="5102"/>
                        <seer:discipline apportionment="26" forGroupCode="5104"/>
                </seer:incomeDisciplineAssignment>
                </seer:incomeYear>
        </seer:incomeYears>
</seer:otherPublicSectorIncome>
```

BR031 – Unique Researcher Names

ID	Expression	Severity
BR031	Each researcher provided should have a unique first name and last name combination.	Warning

<u>EXAMPLE ONE</u> – *The following example shows information about three submitted researchers with same first name and last name. This will generate a **warning**.*

```
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5" gender="Male" >
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
                <seer:discipline forGroupCode="3406" apportionment="40"/>
                <seer:discipline forGroupCode="3407" 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" gender="Male" >
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
```

```xml
                <seer:discipline forGroupCode="3406" apportionment="40"/>

                <seer:discipline forGroupCode="3407" 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="Bert" lastName="Wilcott" employmentLevel="014" employmentStatus="3"

researcherFunction="A" totalFte="1.0" gender="Male">

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3606" apportionment="100"/>

        </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	Severity
BR042	Where a researcher has the Employment Status of '1' (employed), a total FTE value must be provided.	Error

EXAMPLE ONE – *The following example shows a researcher who has an Employment Status of '1' (employed) but no FTE has 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" gender="Male">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
                <seer:discipline forGroupCode="3406" apportionment="40"/>
                <seer:discipline forGroupCode="3407" 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>
```

EXAMPLE TWO – *The following example shows a researcher who has an Employment Status of '1' (employed) and the FTE has been provided. This will not generate an error.*

```
<seer:researcher staffReference="ERA0011" honorific="Associate Professor" firstName="Percy"
middleName="James" lastName="Araluen" employmentLevel="042" employmentStatus="1"
researcherFunction="B" totalFte="1.0" gender="Male">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="3606" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:otherNames>
                <seer:otherName publishedName="Araluen, Percy"/>
                <seer:otherName publishedName="Araluen, P."/>
        </seer:otherNames>
</seer:researcher>
```

EXAMPLE THREE – *The following example shows a researcher who has an Employment Status of '2' (employed on a casual basis), where the FTE is not required. This will not generate an **error**.*

```
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="2"
researcherFunction="B" gender="Male">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
                <seer:discipline forGroupCode="3406" apportionment="40"/>
                <seer:discipline forGroupCode="3407" 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>
```

BR047 – Meaningful Information for Data Fields

ID	Expression	Severity
BR047	A data field must not contain the following items: 'N/A', 'NA', 'Not Available'.	Error

*The following two examples show variations of text fields that are not regarded as meaningful. Both of these examples will generate an **error**.*

EXAMPLE ONE –

```
<seer:researcher staffReference="ERA0001" honorific="NA" firstName="N/A" middleName="na"
lastName="n/a" employmentLevel="013" employmentStatus="1" researcherFunction="B" totalFte="0.5"
gender="Male">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
                <seer:discipline forGroupCode="3406" apportionment="40"/>
                <seer:discipline forGroupCode="3407" 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>

EXAMPLE TWO –

<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="Not available"
placeOfPublication="NA" yearPublished="2018" isbn="978-8837652893" extent="146 pages">
        <seer:title nativeScript="not available"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="3601" apportionment="50"/>
                <seer:discipline forGroupCode="3606" apportionment="30"/>
                <seer:discipline forGroupCode="3901" apportionment="20"/>
        </seer:disciplineAssignment>
        <seer:electronicLocations>
                <seer:electronicLocation repositoryLink="NOT AVAILABLE"/>
        </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>
```

BR048 – Total Research Output Apportionment

ID	Expression	Severity
BR048	The sum of apportionments from the same research output must be 100%.	Error

EXAMPLE ONE – *The following example shows a research output with an apportionment totalling 120%. This will generate an **error**.*

<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="1002" placeOfPublication="Canberra, Australia" yearPublished="2016" isbn="978-8837652893" extent="146 pages">

    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3601" apportionment="50"/>

        <seer:discipline forGroupCode="3606" apportionment="50"/>

        <seer:discipline forGroupCode="3901" apportionment="20"/>

    </seer:disciplineAssignment>

    <seer:electronicLocations>

        <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" />

    </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>

EXAMPLE TWO – The following example shows a research output with an apportionment totalling 99%. This will generate an **error**.

<seer:originalCreativeWork availableInOpenAccessRepository="false" extent="15 pages" yearPublished="2018" 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="3602" apportionment="49"/>
        <seer:discipline forGroupCode="3604" apportionment="50"/>
</seer:disciplineAssignment>
<seer:electronicLocations>
        <seer:electronicLocation
        repositoryLink="https://closed.other.edu.au/images/1905454847"/>
</seer:electronicLocations>
<seer:creators>
        <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
</seer:creators>
<seer:staffCreators>
        <seer:staffCreator staffReference="ERA0014"/>
</seer:staffCreators>
</seer:originalCreativeWork>
```

BR049 – Research Output Apportionments

ID	Expression	Severity
BR049	The apportionment for each FoR assigned to a research output must be between 20% and 100% inclusive.	Error

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

```
<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="2001"
placeOfPublication="Canberra, Australia" yearPublished="2018" isbn="978-8837652893" extent="146
pages">
        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="3601" apportionment="5"/>
                <seer:discipline forGroupCode="3606" apportionment="95"/>
        </seer:disciplineAssignment>
        <seer:electronicLocations>
                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                0937652893" />
        </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	Severity
BR050	The language code assigned to a research output must match a language code from the ABS language reference list.	Error

EXAMPLE ONE – *The following example shows the submission of an incorrect language code; that is, one that does not accord with the ABS language reference list. This will generate an **error.***

```
<seer:recordedOrRenderedWork availableInOpenAccessRepository="false" category="1"
placeOfPublication="Melbourne" yearPublished="2018" 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="2000"/>

    <seer:disciplineAssignment>

            <seer:discipline forGroupCode="3605" apportionment="40"/>

            <seer:discipline forGroupCode="4406" apportionment="30"/>

            <seer:discipline forGroupCode="4703" apportionment="30"/>

    </seer:disciplineAssignment>

    <seer:creators>

            <seer:creator orderInOutput="1" publishedName="Poulos, P."/>

    </seer:creators>

    <seer:staffCreators>

            <seer:staffCreator staffReference="ERA0011"/>

    </seer:staffCreators>

</seer:recordedOrRenderedWork>
```

BR054 – ERA Journal ID

ID	Expression	Severity
BR054	The ERA Journal ID must match the ERA Journal ID provided in the *ERA 2023 Submission Journal List.*	Error

NOTE – *The following journal information will be used in the examples for BR054, BR059 and BR113 only*

ERAID	Title	FoR 1	FoR 2
30533	AA files: annals of the Architectural Association School of Architecture	3301	3302
36072	AACE International Transactions	33	35

<u>EXAMPLE ONE</u> – *The following example shows that the ERA Journal ID does not exist in the ERA 2023 Submission Journal List. This will generate an **error**.*

```
<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2018" 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="3202" apportionment="75"/>

                <seer:discipline forGroupCode="3210" 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:journalOutlet eraJournalId="00"/>

</seer:journalArticle>
```

BR059 – Assignment of Journal Two-Digit FoR Codes

ID	Expression	Severity
BR059	If the FoR code assigned to the journal article is not a subset of the two-digit FoR code for the relevant journal (as *per ERA 2023 Submission Journal List*), the apportioned value of the FoR must be equal to or greater than 66% Note: Indigenous Studies (FoR45) is exempt from this rule.	Error

NOTE – *The following journal information will be used in the examples for BR054, BR059 and BR113 only*

ERAID	Title	FoR 1	FoR 2
30533	AA files: annals of the Architectural Association School of Architecture	3301	3302
36072	AACE International Transactions	33	35

EXAMPLE ONE – *The following example shows a journal article where the journal is assigned to one or more two‑digit FoR codes (FoR 35 and 33, in this case), and one of the assigned FoRs is not within the two‑digit FoR identified in the ERA 2023 Submission Journal List. This will generate an **error**.*

<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2017" extent="10 Pages" identifier="X" journalIssue="2" journalVolume="112">

    <seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia "/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3501" apportionment="60"/>

        <seer:discipline forGroupCode="3502" apportionment="20"/>

        <seer:discipline forGroupCode="`4403`" 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:journalOutlet eraJournalId=" `36072`"/>

</seer:journalArticle>

EXAMPLE TWO – *The following example shows a journal article where the journal is assigned to one or more two‑digit FoR codes (FoR 35 and 33, in this case), one of the assigned FoRs is not within the two‑digit*

*FoR identified in the ERA 2023 Submission Journal List, but that FoR has a discipline apportionment of 66% or higher. In this example, This will not generate an **error**.*

<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2017" extent="10 Pages" identifier="X" journalIssue="2" journalVolume="112">

    <seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia "/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="5101" apportionment="66"/>

        <seer:discipline forGroupCode="3502" apportionment="34"/>

    </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:journalOutlet eraJournalId=" 36072"/>

</seer:journalArticle>

BR062 – Non-Traditional Research Output Reference Period

ID	Expression	Severity
BR062	A non-traditional research output must have either the Year Published or Year Presented within the research output reference period (2016-2021).	Error

<u>EXAMPLE ONE</u> – *The following example shows a non-traditional research output, with the Year Published outside of the reference period (2016-2021 inclusively) and no Year Presented. This will generate an **error**.*

<seer:recordedOrRenderedWork availableInOpenAccessRepository="false" category="1" placeOfPublication="Melbourne" yearPublished="2015" 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="To Φένσι " romanScript="To Fensi" translated="The Fencie (The Fence)" language="2201"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3605" apportionment="40"/>

        <seer:discipline forGroupCode="4406" apportionment="30"/>

```
                    <seer:discipline forGroupCode="4703" apportionment="30"/>
            </seer:disciplineAssignment>
            <seer:creators>
                    <seer:creator orderInOutput="1" publishedName="Poulos, P."/>
            </seer:creators>
            <seer:staffCreators>
                    <seer:staffCreator staffReference="ERA0012"/>
            </seer:staffCreators>
            <seer:researchStatement>
            Research Background;
            Research Contribution;
            Research Significance.
            </seer:researchStatement>
</seer:recordedOrRenderedWork>
```

EXAMPLE TWO – *The following example shows both the Year Published and the Year Presented of a non-traditional research output falling outside the reference period (2016-2021 inclusively). This will generate an **error**.*

```
<seer:curatedExhibitionOrEvent availableInOpenAccessRepository="false" category="2"
publisher="Orange Regional Gallery" placeOfPublication="Orange, NSW" yearPublished="2022"
yearPresented="2022" extent="1 minute 36 seconds; short film, 5 artworks, 30&quot; performance
piece">
            <seer:title nativeScript="Trip the Light Fantastic "/>
            <seer:disciplineAssignment>
                    <seer:discipline forGroupCode="3606" apportionment="60"/>
                    <seer:discipline forGroupCode="3605" apportionment="20"/>
                    <seer:discipline forGroupCode="3604" apportionment="20"/>
            </seer:disciplineAssignment>
            <seer:electronicLocations>
                    <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/7608-1" />
                    <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/7608-7" />
            </seer:electronicLocations>
            <seer:creators>
                    <seer:creator orderInOutput="1" publishedName="Riverstone, Matthew"/>
            </seer:creators>
            <seer:staffCreators>
                    <seer:staffCreator staffReference="ERA0013"/>
```

```
            </seer:staffCreators>

            <seer:nominatedPRDisciplines>

                    <seer:nominatedPRDiscipline forGroupCode="3606"/>

                    <seer:nominatedPRDiscipline forGroupCode="3605"/>

            </seer:nominatedPRDisciplines>

            <seer:researchStatement>

            Research Background;

            Research Contribution;

            Research Significance.

            </seer:researchStatement>

</seer:curatedExhibitionOrEvent>
```

BR066 – Minimum Outputs for Researchers

ID	Expression	Severity
BR066	If a researcher has an Employment Status of '2' (employed-casual) or '3' (other), then they must have at least one research output submitted. NOTE – for researchers with the Employment Status '2' and '3', institutions must only submit the research outputs which have a publication association between the researcher and the institution.	Error

EXAMPLE ONE – *The following example shows that the staff reference assigned to an eligible researcher with an Employment Status of '2' or '3' has also been assigned to at least one research output. This will not generate an **error**.*

```
<! – a researcher -->

<seer:researcher staffReference="ERA00089" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="2"
researcherFunction="B" totalFte="0.5" gender="Males">

    <!...-->
```

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

```
<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="1001"
placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146
pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                    <seer:discipline forGroupCode="3601" apportionment="50"/>

                    <seer:discipline forGroupCode="3606" apportionment="30"/>

                    <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>
```

```
<seer:electronicLocations>

        <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-

        0937652893" />

</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:creator orderInOutput="4" publishedName="Wilcott, N. L."/>

</seer:creators>

<seer:staffCreators>

        <seer:staffCreator staffReference="ERA00089"/>

</seer:staffCreators>

</seer:book>
```

BR086 – Nominated FoR for ERA Peer Review of Research Outputs

ID	Expression	Severity
BR086	The FoR codes assigned to research outputs in PR Disciplines must accord with the ERA peer review indicator set in the *ERA 2023 Discipline Matrix.*	Error

EXAMPLE ONE – *The following example shows a research output where the assigned Peer Review field of research is 5101 – a four-digit FoR that is not identified as using peer review in the ERA 2023 Discipline Matrix. This will generate an* ***error***.

```
<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="1002"
placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146
pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="5101" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-

                0937652893" />

        </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:nominatedPRDisciplines>

        <seer:nominatedPRDiscipline forGroupCode="3601"/>

        <seer:nominatedPRDiscipline forGroupCode="3606"/>

        <seer:nominatedPRDiscipline forGroupCode="5101"/>

    </seer:nominatedPRDisciplines>

</seer:book>
```

BR092 – All research Income: Minimum Amounts

ID	Expression	Severity
BR092	For all income categories, the total amount submitted for each year must not be less than or equal to zero.	Error

EXAMPLE ONE – *The following example shows the total research income received in year 2019 equals -1500. This will generate an* **error**.

```
<seer:crcResearchIncome>

    <seer:incomeYears>

        <seer:incomeYear totalAmountReceived="-1500" referenceYear="2019">

        <seer:incomeDisciplineAssignment>

            <seer:discipline forGroupCode="5102" apportionment="50"/>

            <seer:discipline forGroupCode="3403" apportionment="50"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>

        <seer:incomeYear  totalAmountReceived="3500" referenceYear="2020">

        <seer:incomeDisciplineAssignment>

            <seer:discipline forGroupCode="5102" apportionment="50"/>

            <seer:discipline forGroupCode="3403" apportionment="50"/>

        </seer:incomeDisciplineAssignment>

        </seer:incomeYear>
```

```
                    <seer:incomeYearseer:incomeYear  totalAmountReceived="5000" referenceYear="2021">

                    <seer:incomeDisciplineAssignment>

                            <seer:discipline forGroupCode="5101" apportionment="50"/>

                            <seer:discipline forGroupCode="3403" apportionment="50"/>

                    </seer:incomeDisciplineAssignment>

                    </seer:incomeYear>

            </seer:incomeYears>

</seer:crcResearchIncome>
```

BR094 – FoRs for Non-Traditional Research Outputs

ID	Expression	Severity
BR094	All the FoR codes assigned to the non-traditional research output should accord with the non-traditional research output indicator set of the FoR within the *ERA 2023 Discipline Matrix.*	Error

EXAMPLE ONE – *The following example shows that the non-traditional research output has at least one assigned FoR that does not match the non-traditional research output indicator set in the ERA 2023 Discipline Matrix. This will generate an **error**.*

```
<seer:originalCreativeWork availableInOpenAccessRepository="false" extent="1 piece"
yearPublished="2017" category="1" placeOfPublication="Melbourne" media="installation">

            <seer:title nativeScript="Imagined Realities"/>

            <seer:disciplineAssignment>

                    <seer:discipline forGroupCode="3606" apportionment="50"/>

                    <seer:discipline forGroupCode="4102" apportionment="50"/>

            </seer:disciplineAssignment>

            <seer:electronicLocations>

                    <seer:electronicLocation repositoryLink=
                    "https://closed.other.edu.au/images/1905454844"/>

                    <seer:electronicLocation repositoryLink=
                    "https://closed.other.edu.au/images/1905454845"/>

                    <seer:electronicLocation repositoryLink=
                    "https://closed.other.edu.au/images/1905454846"/>

            </seer:electronicLocations>

            <seer:creators>

                    <seer:creator orderInOutput="1" publishedName="LaMont, S. B."/>

            </seer:creators>

            <seer:staffCreators>

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

```
        </seer:staffCreators>

        <seer:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="1905"/>

        </seer:nominatedPRDisciplines>

        <seer:researchStatement>

        Research Background

        Research Contribution

        Research Significance

        </seer:researchStatement>

</seer:originalCreativeWork>
```

BR097 – Valid FoR Code

ID	Expression	Severity
BR097	The FoR code submitted must match a valid FoR code listed in the ANZSRC.	Error

*The FoR code must be a valid FoR code. If it is not, this will generate an **error**.*

BR099 – Nominated Peer Review Discipline

ID	Expression	Severity
BR099	The research output can only be nominated for ERA peer review in one (or more) of the FoR codes to which it is assigned.	Error

EXAMPLE ONE – *The following example shows a research output where the FoR that is nominated for peer review does not match any of the three FoRs submitted within the discipline assignment. This will generate an **error**.*

```
<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="1002"
placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146
pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>
```

```
            <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
            0937652893" />

      </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:creator orderInOutput="3" publishedName="LaMont, S. B."/>

      </seer:creators>

      <seer:staffCreators>

            <seer:staffCreator staffReference="ERA0003"/>

      </seer:staffCreators>

      <seer:nominatedPRDisciplines>

            <seer:nominatedPRDiscipline forGroupCode="3601">

            <seer:nominatedPRDiscipline forGroupCode="3606">

            <seer:nominatedPRDiscipline forGroupCode="3605">

      </seer:nominatedPRDisciplines>

</seer:book>
```

EXAMPLE TWO – *The following example shows the snippet above, without any discrepancies.*

```
<seer:book availableInOpenAccessRepository="false" edition="1" eraPublisherId="1002"
placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146
pages">

      <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

      <seer:disciplineAssignment>

            <seer:discipline forGroupCode="3601" apportionment="50"/>

            <seer:discipline forGroupCode="3606" apportionment="30"/>

            <seer:discipline forGroupCode="3901" apportionment="20"/>

      </seer:disciplineAssignment>

      <seer:electronicLocations>

            <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
            0937652893" />

      </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:nominatedPRDisciplines>
                <seer:nominatedPRDiscipline forGroupCode="3601">
                <seer:nominatedPRDiscipline forGroupCode="3606">
        </seer:nominatedPRDisciplines>
</seer:book>
```

BR104 – Number of Creators

ID	Expression	Severity
BR104	The orderInOutput for authors connected to this research output must be in sequence starting from 1.	Error

EXAMPLE ONE – *The following example shows creators list with the orderInOutput number out of sequence. This will generate an **error***.

```
<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2020" 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="1111" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Rhan, S. K."/>
                <seer:creator orderInOutput="2" publishedName="Contras, B."/>
                <seer:creator orderInOutput="6" publishedName="Pinker, L."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0009"/>
        </seer:staffCreators>
        <seer:journalOutlet eraJournalId="13378"/>
</seer:journalArticle>
```

EXAMPLE TWO – *The following example shows the snippet above without any discrepancies.*

```
<seer:journalArticle yearPublished="2020" extent="32 pages" journalIssue="7439" journalVolume="328">
```

```xml
<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="1111" apportionment="100"/>
</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:journalOutlet eraJournalId="13378"/>
</seer:journalArticle>
```

BR109 – ERA Peer Review Nomination

ID	Expression	Severity
BR109	The Unit of Evaluation with peer review component must have 30% of its apportioned research outputs across any research output types nominated for peer review at the four-digit FoR level.	Error

This business rule has been relaxed for ERA 2023 to waive the requirement of selecting a 30% representative sample across all research output types. Any research output types can be used in any proportion.

BR112 – Employed Staff Member with less than 0.4 FTE

ID	Expression	Severity
BR112	Staff employed at less than 0.4 FTE must be included in the staff data. Their publications must be included if they are published within the reference period and at least one publication has a byline linking the staff member to the submitting institution, or a demonstration of a publication association where the byline is not available on the publication.	Warning

EXAMPLE ONE – *The following example shows a researcher whose Employment Status is '1'with an FTE of less than 0.4 and is associated with at least one output in the submission . This will generate a **warning**.*

<seer:researcher staffReference="ERA0003" honorific="Professor" firstName="Susan" middleName="Beatrice" lastName="LaMont" employmentLevel="014" employmentStatus="1" researcherFunction="A" totalFte="0.3" gender="Female" >

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3606" apportionment="100"/>

    </seer:disciplineAssignment>

    <seer:otherNames>

        <seer:otherName publishedName="LaMont, S"/>

    </seer:otherNames>

</seer:researcher>

<seer:book availableInOpenAccessRepository="true" edition="1" eraPublisherId="42282" placeOfPublication="Canberra, Australia" yearPublished="2017" isbn="978-8837652893" extent="146 pages">

    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3601" apportionment="50"/>

        <seer:discipline forGroupCode="3606" apportionment="30"/>

        <seer:discipline forGroupCode="3901" apportionment="20"/>

    </seer:disciplineAssignment>

    <seer:electronicLocations>

        <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" />

    </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:nominatedPRDisciplines>
        <seer:nominatedPRDiscipline forGroupCode="3901"/>
        <seer:nominatedPRDiscipline forGroupCode="3601"/>
</seer:nominatedPRDisciplines>
</seer:book>
```

BR113 – Reassignment of FoR Codes

ID	Expression	Severity
BR113	If the FoR code assigned to a journal article does not match the FoR code(s) specified in the *ERA 2018 Submission Journal List* then the apportionment value of that FoR code must be at least 66% Note: Indigenous Studies (FoR45) is exempt from this rule.	Error

NOTE – *The following journal information will be used in the examples for BR054, BR059 and BR113 only*

ERAID	Title	FoR 1	FoR 2
30533	AA files: annals of the Architectural Association School of Architecture	3301	3302
36072	AACE International Transactions	33	35

EXAMPLE ONE – *The following example shows a journal article where one of the assigned FoRs is not an FoR identified in the ERA 2023 Submission Journal List. In this example, this will generate an **error**.*

```
<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2016" extent="10 Pages"
identifier="X" journalIssue="2" journalVolume="112">
        <seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia "/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="3301" apportionment="50"/>
                <seer:discipline forGroupCode="3502" apportionment="50"/>
        </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:journalOutlet eraJournalId="30525"/>
</seer:journalArticle>
```

EXAMPLE TWO – *The following example shows a journal article where one of the assigned FoRs is not an FoR identified in the ERA 2023 Submission Journal List, but that FoR has a discipline apportionment of 66% or higher. In this example, This will not generate an error.*

```
<seer:journalArticle availableInOpenAccessRepository="false" yearPublished="2017" extent="10 Pages"
identifier="X" journalIssue="2" journalVolume="112">
            <seer:title nativeScript="Lesion Sites in Cases of Efferent Motor Aphasia "/>
            <seer:disciplineAssignment>
                    <seer:discipline forGroupCode="3301" apportionment="34"/>
                    <seer:discipline forGroupCode="3502" apportionment="66"/>
            </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:journalOutlet eraJournalId="30533"/>
</seer:journalArticle>
```

BR114 – Employed in Other Function

ID	Expression	Severity
BR114	The staff member who has employment status as '1' (employed) and whose function is listed as 'Other Function' must have his/her staff number associated with at least one research output.	Error

EXAMPLE ONE – *The following example shows a researcher who is 'Employed' and whose Function is 'Other Function' and whose staff reference number is not associated with at least one research output. This will generate an* ***error***.

```xml
<seer:researcher staffReference="ERA0010" honorific="Dr" firstName="Clement" middleName="Paul"
lastName="Roche" employmentLevel="013" employmentStatus="1" researcherFunction="C"
totalFte="0.5">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="4699" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:otherNames>
                <seer:otherName publishedName="Roche, C."/>
                <seer:otherName publishedName="Roche, C. P."/>
                <seer:otherName publishedName="C. P. Roche"/>
        </seer:otherNames>
</seer:researcher>
<! – Assume that this is the only Research output submitted -->
<seer:journalArticle availableInOpenAccessRepository="false"  yearPublished="2017" 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="3210" apportionment="100"/>
        </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:journalOutlet  eraJournalId="13378"
</seer:journalArticle>
```

EXAMPLE TWO – *The following example shows a researcher who is 'Employed' and whose Function is 'Other Function' and whose staff reference number is associated with at least one research output. This will **not** generate an **error**.*

```xml
<seer:researcher staffReference="ERA003" firstName="Sophie" lastName="Humphreys"
employmentStatus="1" employmentLevel="066" researcherFunction="C" gender="Female"
honorific="Mrs" middleName="Sara" totalFte="0.60">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="1199" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:otherNames>
                <seer:otherName publishedName="Sophie Humphreys"/>
        </seer:otherNames>
</seer:researcher>

<! – Assume that this is the only Research output submitted -->

</seer:journalArticle>
        <seer:journalArticle doi="10.1007/s10897-014-9809-1" identifier="X" yearPublished="2015"
        extent="Unknown" availableInOpenAccessRepository="false" placeOfPublication="United States"
        journalVolume="24" journalIssue="5">
        <seer:title nativeScript="Are Australasian Genetic Counselors Interested in Private Practice at the
        Primary Care Level of Health Service?"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="1103" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Vrunda Sane"/>
                <seer:creator orderInOutput="2" publishedName="Sophie Humphreys"/>
                <seer:creator orderInOutput="3" publishedName="Madelyn Peterson"/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA003"/>
        </seer:staffCreators>
        <seer:journalOutlet eraJournalId="16379"/>
</seer:journalArticle>
```

BR117 – Valid Research Output Type

ID	Expression	Severity
BR117	The journal article submitted must be an eligible journal article as listed in the *ERA 2023 Submission Guidelines* and as per the bibliometric data provider's publication definition.	Error

*This business rule uses the bibliographic information returned from the provider relating to an unique output identifier. Where the bibliographic information indicates a type of output which is unlikely to be eligible (for example, an obituary), an **error** is generated. Please see the ERA 2023 Submission Guidelines to determine the eligibility of research outputs for ERA.*

BR118 – Portfolio Repository Link

ID	Expression	Severity
BR118	If a portfolio is nominated for ERA peer review then an electronic location must be provided for each of the research items.	Error

EXAMPLE ONE – *The following example shows the correct way to submit portfolio items that are nominated for peer review, within a portfolio of work. If a portfolio of work is nominated for peer review, then every item within that portfolio must also provide a repository link. The following example will **not** generate an **error.***

```
<seer:portfolio name="New Zealand as the Next Australian State?" portfolioNumber="01"
containsSensitiveContent="true" sensitiveNote="2">

        <seer:researchStatement>

        Research Portfolio Background;

        Research Portfolio Contribution;

        Research Portfolio Significance.

        </seer:researchStatement>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3605" apportionment="25"/>

                <seer:discipline forGroupCode="3602" apportionment="25"/>

        </seer:disciplineAssignment>

        <seer:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="3605"/>

                <seer:nominatedPRDiscipline forGroupCode="3602"/>

        </seer:nominatedPRDisciplines>

        <seer:portfolioRecordedOrRenderedWork availableInOpenAccessRepository="false"
yearPublished="2016" category="1" extent="CD" placeOfPublication="Sydney" issue="1"
```

```
media="digital" publisher="BCA Corporation" standardNumber="STD-123" volume="2"
yearPresented="2012" isTranslated="false">

        <seer:title nativeScript="Recorded and Rendered word"/>

        <seer:electronicLocations>

                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/digital/1905454946" />

        </seer:electronicLocations>

        <seer:creators>

                <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>

        </seer:creators>

        <seer:staffCreators>

                <seer:staffCreator staffReference="ERA0014"/>

        </seer:staffCreators>

</seer:portfolioRecordedOrRenderedWork>

<seer:portfolioOriginalCreativeWork availableInOpenAccessRepository="false" extent="10000
words" yearPublished="2016" category="3" placeOfPublication="Sydney" 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:electronicLocations>

                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/images/1905454846" />

        </seer:electronicLocations>

        <seer:creators>

                <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>

        </seer:creators>

        <seer:staffCreators>

                <seer:staffCreator staffReference="ERA0014"/>

        </seer:staffCreators>

</seer:portfolioOriginalCreativeWork>

<seer:portfolioCuratedExhibitionOrEvent availableInOpenAccessRepository="false"
yearPublished="2016" category="2" extent="Painting" placeOfPublication="Canberra" >

        <seer:title nativeScript="Trip the Fantastic "/>

        <seer:electronicLocations>

                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/content/1915454846" />

        </seer:electronicLocations>

        <seer:creators>
```

```xml
                    <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
            </seer:creators>
            <seer:staffCreators>
                    <seer:staffCreator staffReference="ERA0014"/>
            </seer:staffCreators>
    </seer:portfolioCuratedExhibitionOrEvent>
    <seer:portfolioLivePerformance  availableInOpenAccessRepository="false" yearPublished="2016"
category="2" extent="Live music show" placeOfPublication="Canberra Stadium" >
            <seer:title nativeScript="Country Music"/>
            <seer:electronicLocations>
                    <seer:electronicLocation
                    repositoryLink="https://closed.other.edu.au/recording/1907554846" />
            </seer:electronicLocations>
            <seer:creators>
                    <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
            </seer:creators>
            <seer:staffCreators>
                    <seer:staffCreator staffReference="ERA0014"/>
            </seer:staffCreators>
    </seer:portfolioLivePerformance>
</seer:portfolio>
```

EXAMPLE TWO – *The following example shows the incorrect way to submit portfolio items that are nominated for peer review, within a portfolio of work that has been nominated for ERA peer review. This will generate an **error**.*

```xml
<seer:portfolio name="New Zealand as the Next Australian State?" portfolioNumber="01"
ContainsSensitiveContent="true" sensitiveNote="2">
    <seer:researchStatement>
    Research Portfolio Background;
    Research Portfolio Contribution;
    Research Portfolio Significance.
    </seer:researchStatement>
    <seer:disciplineAssignment>
            <seer:discipline forGroupCode="3601" apportionment="50"/>
            <seer:discipline forGroupCode="3605" apportionment="25"/>
            <seer:discipline forGroupCode="3602" apportionment="25"/>
    </seer:disciplineAssignment>
```

```xml
<seer:nominatedPRDisciplines>
        <seer:nominatedPRDiscipline forGroupCode="3605"/>
        <seer:nominatedPRDiscipline forGroupCode="3602"/>
</seer:nominatedPRDisciplines>
<seer:portfolioRecordedOrRenderedWork availableInOpenAccessRepository="false"
yearPublished="2016" category="1" extent="CD" placeOfPublication="Sydney" issue="1"
media="digital" publisher="BCA Corporation" standardNumber="STD-123" volume="2"
yearPresented="2017" isTranslated="false">
        <seer:title nativeScript="Recorded and Rendered word"/>
        <seer:electronicLocations>
                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/digital/1905454946" />
        </seer:electronicLocations>
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0014"/>
        </seer:staffCreators>
</seer:portfolioRecordedOrRenderedWork>
<seer:portfolioOriginalCreativeWork  availableInOpenAccessRepository="false" extent="10000
words" yearPublished="2016" category="3" placeOfPublication="Sydney" 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"/>
        <! – Missing electronic location -->
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0014"/>
        </seer:staffCreators>
</seer:portfolioOriginalCreativeWork>
<seer:portfolioCuratedExhibitionOrEvent availableInOpenAccessRepository="false"
yearPublished="2016" category="2" extent="Painting" placeOfPublication="Canberra" >
        <seer:title nativeScript="Trip the Fantastic "/>
        <seer:electronicLocations>
```

```xml
                        <seer:electronicLocation
                        repositoryLink="https://closed.other.edu.au/content/1915454846" />
                </seer:electronicLocations>
                <seer:creators>
                        <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
                </seer:creators>
                <seer:staffCreators>
                        <seer:staffCreator staffReference="ERA0014"/>
                </seer:staffCreators>
        </seer:portfolioCuratedExhibitionOrEvent>
        <seer:portfolioLivePerformance availableInOpenAccessRepository="false" yearPublished="2016" category="2" extent="Live music show" placeOfPublication="Canberra Stadium" >
                <seer:title nativeScript="Country Music"/>
                <seer:electronicLocations>
                        <seer:electronicLocation
                        repositoryLink="https://closed.other.edu.au/recording/1907554846" />
                </seer:electronicLocations>
                <seer:creators>
                        <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
                </seer:creators>
                <seer:staffCreators>
                        <seer:staffCreator staffReference="ERA0014"/>
                </seer:staffCreators>
        </seer:portfolioLivePerformance>
</seer:portfolio>
```

BR122 – Year Published and Year Presented-Portfolio

ID	Expression	Severity
BR122	Each research item within a portfolio must have either the Year Published or Year Presented within the research output reference period (2016-2021).	Error

EXAMPLE ONE – *The following example shows a recorded/rendered creative work, with the Year Published and Year Presented outside the reference period (2016-2021). This will generate an* **error**.

```xml
<seer:portfolio name="New Zealand as the Next Australian State?" portfolioNumber="01"
containsSensitiveContent="true" sensitiveNote="3"
        <seer:researchStatement
```

Research Portfolio Background;

Research Portfolio Contribution;

Research Portfolio Significance.

```xml
</seer:researchStatement>
<seer:disciplineAssignment>
        <seer:discipline forGroupCode="3601" apportionment="50"/>
        <seer:discipline forGroupCode="3605" apportionment="25"/>
        <seer:discipline forGroupCode="3602" apportionment="25"/>
</seer:disciplineAssignment>
<seer:nominatedPRDisciplines>
        <seer:nominatedPRDiscipline forGroupCode="3605"/>
        <seer:nominatedPRDiscipline forGroupCode="3602"/>
</seer:nominatedPRDisciplines>
<seer:portfolioRecordedOrRenderedWork  availableInOpenAccessRepository="false"
yearPublished="2022" category="1" extent="CD" placeOfPublication="Sydney" issue="1"
media="digital" publisher="BCA Corporation" standardNumber="STD-123" volume="2"
yearPresented="2022" isTranslated="false">
        <seer:title nativeScript="Recorded and Rendered word"/>
        <seer:electronicLocations>
                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/digital/1905454946" />
        </seer:electronicLocations>
        <seer:creators>
                <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
        </seer:creators>
        <seer:staffCreators>
                <seer:staffCreator staffReference="ERA0014"/>
        </seer:staffCreators>
</seer:portfolioRecordedOrRenderedWork>
<seer:portfolioOriginalCreativeWork availableInOpenAccessRepository="false" extent="10000
words" yearPublished="2016" category="3" placeOfPublication="Sydney" 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:electronicLocations>
                <seer:electronicLocation
                repositoryLink="https://closed.other.edu.au/images/1905454846" />
        </seer:electronicLocations>
```

```xml
<seer:creators>
    <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
</seer:creators>
<seer:staffCreators>
    <seer:staffCreator staffReference="ERA0014"/>
</seer:staffCreators>
</seer:portfolioOriginalCreativeWork>
<seer:portfolioCuratedExhibitionOrEvent availableInOpenAccessRepository="false"
yearPublished="2016" category="2" extent="Painting" placeOfPublication="Canberra" >
    <seer:title nativeScript="Trip the Fantastic "/>
    <seer:electronicLocations>
        <seer:electronicLocation
        repositoryLink="https://closed.other.edu.au/content/1915454846" />
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="ERA0014"/>
    </seer:staffCreators>
</seer:portfolioCuratedExhibitionOrEvent>
<seer:portfolioLivePerformance availableInOpenAccessRepository="false" yearPublished="2016"
category="2" extent="Live music show" placeOfPublication="Canberra Stadium" >
    <seer:title nativeScript="Country Music"/>
    <seer:electronicLocations>
        <seer:electronicLocation
        repositoryLink="https://closed.other.edu.au/recording/1907554846" />
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Langhorne, J."/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="ERA0014"/>
    </seer:staffCreators>
</seer:portfolioLivePerformance>
</seer:portfolio>
```

BR125 – ERA Publisher ID

ID	Expression	Severity
BR125	For book and book chapter research output types, the ERA Publisher ID in the submission must match the ERA Publisher ID provided in the *ERA 2023 Submission Publisher List.*	Error

NOTE – The following publisher information is used for example in BR125 and BR137.

ERA Publisher ID	Name
1256	John Wiley & Sons
0000	Other

EXAMPLE ONE – *The following example shows incorrect ERA Publisher ID. This will generate an **error**.*

<seer:book availableInOpenAccessRepository="false" edition="1" placeOfPublication="Canberra, Australia" yearPublished="2016" eraPublisherId="1250" isbn="978-8837652893" extent="146 pages">

    <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="3601" apportionment="50"/>

        <seer:discipline forGroupCode="3606" apportionment="30"/>

        <seer:discipline forGroupCode="3901" apportionment="20"/>

    </seer:disciplineAssignment>

    <seer:electronicLocations>

        <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" />

    </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:nominatedPRDisciplines>

        <seer:nominatedPRDiscipline forGroupCode="3601">

```
                    <seer:nominatedPRDiscipline forGroupCode="3606">

        </seer:nominatedPRDisciplines>

</seer:book>

EXAMPLE TWO – *The following example shows correct ERA Publisher ID. This will not generate an **error**.*

<seer:book  availableInOpenAccessRepository="false" edition="1" placeOfPublication="Canberra,
Australia" yearPublished="2018" eraPublisherId="1256" isbn="978-8837652893" extent="146 pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                    <seer:discipline forGroupCode="3601" apportionment="50"/>

                    <seer:discipline forGroupCode="3606" apportionment="30"/>

                    <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                    <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                    0937652893" />

        </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:nominatedPRDisciplines>

                    <seer:nominatedPRDiscipline forGroupCode="3601">

                    <seer:nominatedPRDiscipline forGroupCode="3606">

        </seer:nominatedPRDisciplines>

</seer:book>
```

BR126 – ERA Conference ID

ID	Expression	Severity
BR126	The ERA Conference ID in the submission must match the ERA Conference ID provided in the *ERA 2023 Submission Conference List*.	Error

NOTE – The following Conference Series information is used in the example for BR126 and BR138.

ID	Title	Acronym
42260	Australasian Transport Research Forum	ATRF
42261	IEEE/RSJ International Conference on Intelligent Robots and Systems	IROS
42275	ACM Annual Computer Science Conference	MMVR
00000	Other	

EXAMPLE ONE – *The following example shows incorrect ERA Conference ID. This will generate an **error**.*

```
<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney"
yearPublished="2017" extent="200-225" publisher="IEEE Xplore">

        <seer:title nativeScript="Towards a Data Commons"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="4699" apportionment="100"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
                116-2-7" />

        </seer:electronicLocations>

        <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"/>
```

```xml
        </seer:institutionalUnits>
        <seer:nominatedPRDisciplines>
                <seer:nominatedPRDiscipline forGroupCode="4699"/>
        </seer:nominatedPRDisciplines>
        <seer:conferencePublicationOutlet eraConferenceId="42255" venue="Sydney, Australia ">
                <seer:title nativeScript="Proceedings - 2018 Digital Archives and Digital Humanities
                Conference"/>
        </seer:conferencePublicationOutlet>
</seer:conferencePublication>
```

EXAMPLE TWO – *The following example shows correct ERA Conference ID. This will not generate an **error**.*

```xml
<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney"
yearPublished="2017" extent="200-225" publisher="IEEE Xplore">
        <seer:title nativeScript="Towards a Data Commons"/>
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="4699" apportionment="100"/>
        </seer:disciplineAssignment>
        <seer:electronicLocations>
                <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
                116-2-7" />
        </seer:electronicLocations>
        <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:nominatedPRDisciplines>
                <seer:nominatedPRDiscipline forGroupCode="4699"/>
        </seer:nominatedPRDisciplines>
```

```
<seer:conferencePublicationOutlet eraConferenceId="42260" venue="Sydney, Australia ">

        <seer:title nativeScript="Proceedings - 2018 Digital Archives and Digital Humanities
        Conference"/>

    </seer:conferencePublicationOutlet>

</seer:conferencePublication>
```

BR132 – Reassignment Exception for Journal Outputs

ID	Expression	Severity
BR132	The reassignment exception must not be used to move more than 40% of the apportioned journal articles into a single UoE. Note: Indigenous Studies (FoR45) is exempt from this rule.	Warning

The reassignment of the journal article publication research output types are permitted outside the FoR codes assigned in the ERA 2023 Submission Journal List. However, if 40% or more of publications are reassigned into a particular UoE, this will generate a **warning.**

Note: Indigenous Studies (FoR45) is exempt from this rule.

BR133 – Research Income Consistency with HERDC data

ID	Expression	Severity
BR133	The total research income for Category 1, 2, 3 and 4 reported per year must be within a plus or minus 10% range in comparison to the HERDC data collection.	Warning

EXAMPLE ONE – *The snippet below shows the value of research income by year for Category 2 income. The highlighted income values will be used to cross check with the HERDC data collection. This rule will be applied to all four categories of research income. The differences between the data submitted to ERA and the HERDC data collection must be within plus or minus 10%.*

```
<seer:otherPublicSectorIncome>

        <seer:incomeYears>

            <seer:incomeYear totalAmountReceived="1968150" referenceYear="2019">

                <seer:incomeDisciplineAssignment> apportionment="0.91"/>

                        <seer:discipline forGroupCode="4208" apportionment="20"/>

                        <seer:discipline forGroupCode="4207" apportionment="20"/>

                        <seer:discipline forGroupCode="4205" apportionment="20"/>

                        <seer:discipline forGroupCode="4206" apportionment="20"/>

                        <seer:discipline forGroupCode="4299" apportionment="20"/>

                </seer:incomeDisciplineAssignment>

            </seer:incomeYear>

            <seer:incomeYear totalAmountReceived="1968150" referenceYear="2020">
```

```
                    <seer:incomeDisciplineAssignment>
                            <seer:discipline forGroupCode="5101" apportionment="20"/>
                            <seer:discipline forGroupCode="5204" apportionment="20"/>
                            <seer:discipline forGroupCode="4205" apportionment="20"/>
                            <seer:discipline forGroupCode="4206" apportionment="20"/>
                            <seer:discipline forGroupCode="4299" apportionment="20"/>
                    </seer:incomeDisciplineAssignment>
            </seer:incomeYear>
            <seer:incomeYear totalAmountReceived="1968150" referenceYear="2021">
                    <seer:incomeDisciplineAssignment>
                            <seer:discipline forGroupCode="5101" apportionment="25"/>
                            <seer:discipline forGroupCode="5102" apportionment="25"/>
                            <seer:discipline forGroupCode="4003" apportionment="25"/>
                            <seer:discipline forGroupCode="4004" apportionment="25"/>
                    </seer:incomeDisciplineAssignment>
            </seer:incomeYear>
    </seer:incomeYears>
</seer:otherPublicSectorIncome>
```

BR134 – Author name reported against Research Output

ID	Expression	Severity
BR134	The published name of the 'staff creator' must appear on the research output 'creator' list.	Warning

<u>EXAMPLE ONE</u> – *The example below shows the researcher who is a staff creator of a research output. However, the published name of the researcher does not appear in the creator list in the research output. This will generate a **warning**.*

```
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5" gender="Male">
        <seer:disciplineAssignment>
                <seer:discipline forGroupCode="5108" apportionment="40"/>
                <seer:discipline forGroupCode="3406" apportionment="40"/>
                <seer:discipline forGroupCode="3407" apportionment="20"/>
        </seer:disciplineAssignment>
        <seer:otherNames>
                <seer:otherName publishedName="Wilcott, Nathan"/>
```

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

        <seer:otherName publishedName="N. L. Wilcott"/>

    </seer:otherNames>

</seer:researcher>
```

<! – Research output -->

```xml
<seer:journalArticle availableInOpenAccessRepository="true" identifier="X" journalVolume="74"
journalIssue="2" yearPublished="2016" placeOfPublication="New York" extent="pages 553-541">

    <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="5108" apportionment="100"/>

    </seer:disciplineAssignment>

    <seer:electronicLocations>

        <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
        106-2-7" />

    </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:journalOutlet eraJournalId="944"/>

</seer:journalArticle>
```

EXAMPLE TWO – *The example below shows a researcher who is a staff creator of a research output. The published name of the researcher also correctly appears in the creator list in the research output. This will not generate a **warning**.*

```xml
<seer:researcher staffReference="ERA0001" honorific="Associate Professor" firstName="Nathan"
middleName="Liam" lastName="Wilcott" employmentLevel="013" employmentStatus="1"
researcherFunction="B" totalFte="0.5" gender="Male">

    <seer:disciplineAssignment>

        <seer:discipline forGroupCode="5108" apportionment="40"/>

        <seer:discipline forGroupCode="3406" apportionment="40"/>

        <seer:discipline forGroupCode="3407" apportionment="20"/>

    </seer:disciplineAssignment>

    <seer:otherNames>

        <seer:otherName publishedName="Wilcott, Nathan"/>
```

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

            <seer:otherName publishedName="N. L. Wilcott"/>

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

        </seer:otherNames>

</seer:researcher>

<! – Research output -->

<seer:journalArticle availableInOpenAccessRepository="true" identifier="X" journalVolume="74"
journalIssue="2" yearPublished="2016" placeOfPublication="New York" extent="pages 553-541">

        <seer:title nativeScript="Beyond the Brink: A New Quantum Perspective"/>

        <seer:disciplineAssignment>

            <seer:discipline forGroupCode="5108" apportionment="100"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

            <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
            106-2-7" />

        </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:journalOutlet eraJournalId="944"/>

</seer:journalArticle>
```

BR137 – ERA Publisher ID "Other"

ID	Expression	Severity
BR137	If the ERA Publisher ID in submission matches the ERA Publisher ID of 'Other', the publisher information must be provided.	Error

NOTE – The following publisher information is used for example in BR125, BR137 and BR140.

ERA Publisher ID	Name
1256	John Wiley & Sons
0000	Other

EXAMPLE ONE – *The following example shows ERA Publisher ID of 'Other' publisher without providing the publisher information. This will generate an **error***.

\<seer:book availableInOpenAccessRepository="true" edition="1" placeOfPublication="Canberra, Australia" yearPublished="2017" eraPublisherId="0000" isbn="978-8837652893" extent="146 pages">

    \<seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

    \<seer:disciplineAssignment>

        \<seer:discipline forGroupCode="3601" apportionment="50"/>

        \<seer:discipline forGroupCode="3606" apportionment="30"/>

        \<seer:discipline forGroupCode="3901" apportionment="20"/>

    \</seer:disciplineAssignment>

    \<seer:electronicLocations>

        \<seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0937652893" />

    \</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:nominatedPRDisciplines>

        \<seer:nominatedPRDiscipline forGroupCode="3601">

        \<seer:nominatedPRDiscipline forGroupCode="3606">

```
        </seer:nominatedPRDisciplines>

</seer:book>
```

EXAMPLE TWO – *The following example shows ERA Publisher ID of 'Other' publisher with the publisher information. This will not generate an **error**.*

```
<seer:book availableInOpenAccessRepository="true" edition="1" placeOfPublication="Canberra,
Australia" yearPublished="2017" eraPublisherId="0000" publisherOther="W. W. Norton & Company"
isbn="978-8837652893" extent="146 pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-0
                937652893" />

        </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:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="3601">

                <seer:nominatedPRDiscipline forGroupCode="3606">

        </seer:nominatedPRDisciplines>

</seer:book>
```

BR138 – ERA Conference "Other"

ID	Expression	Severity
BR138	If the ERA Conference ID in submission matches the ERA Conference ID of 'Other', the conference series name must be provided.	Error

NOTE – The following Conference Series information is used in the example for BR126, BR138, BR128, BR129 and BR141.

ID	Title	Acronym
42260	Australasian Transport Research Forum	ATRF
42261	IEEE/RSJ International Conference on Intelligent Robots and Systems	IROS
42275	ACM Annual Computer Science Conference	MMVR
00000	Other	

<u>EXAMPLE ONE</u> – *The following example shows ERA Conference ID of 'Other' without providing the conference series name information. This will generate an **error**.*

```
<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney"
yearPublished="2017" extent="200-225" publisher="IEEE Xplore">

        <seer:title nativeScript="Towards a Data Commons"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="4699" apportionment="100"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
                116-2-7" />

        </seer:electronicLocations>

        <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>
```

```xml
<seer:institutionalUnits>
    <seer:institutionalUnit code="SIS" name="School of Information Sciences, University of
    Australian Studies, Griffith Avenue, Parkes"/>
</seer:institutionalUnits>
<seer:nominatedPRDisciplines>
    <seer:nominatedPRDiscipline forGroupCode="4699"/>
</seer:nominatedPRDisciplines>
<seer:conferencePublicationOutlet eraConferenceId="00000" venue="Sydney, Australia ">
    <seer:title nativeScript="Proceedings - 2017 Digital Archives and Digital Humanities
    Conference"/>
</seer:conferencePublicationOutlet>
```
</seer:conferencePublication>

EXAMPLE TWO – *The following example shows correct ERA Conference ID. This will not generate an* **error**.

```xml
<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney"
yearPublished="2017" extent="200-225" publisher="IEEE Xplore">
    <seer:title nativeScript="Towards a Data Commons"/>
    <seer:disciplineAssignment>
        <seer:discipline forGroupCode="4699" apportionment="100"/>
    </seer:disciplineAssignment>
    <seer:electronicLocations>
        <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
        116-2-7" />
    </seer:electronicLocations>
    <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:nominatedPRDisciplines>

        <seer:nominatedPRDiscipline forGroupCode="4699"/>

</seer:nominatedPRDisciplines>

<seer:conferencePublicationOutlet eraConferenceId="00000" conferenceOther="Joint Computer
Science and Engineering Innovation conference" venue="Sydney, Australia ">

        <seer:title nativeScript="Proceedings - 2017 Digital Archives and Digital Humanities
        Conference"/>

</seer:conferencePublicationOutlet>

</seer:conferencePublication>
```

BR140 – No duplication of publisher name

ID	Expression	Severity
BR140	The institution has provided the name of a publisher that is already on the publisher list.	Error

EXAMPLE ONE – *The following example shows ERA Publisher ID of 'Other' publisher with the publisher information that is already on the publisher list. This will generate an* ***error.***

```
<seer:book availableInOpenAccessRepository="true" edition="1" placeOfPublication="Canberra,
Australia" yearPublished="2017" eraPublisherId="0000" publisherOther="John Wiley & Sons" isbn="978-
8837652893" extent="146 pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                0937652893" />

        </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:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="3601">

                <seer:nominatedPRDiscipline forGroupCode="3606">

        </seer:nominatedPRDisciplines>

</seer:book>
```

EXAMPLE TWO – *The following example shows ERA Publisher ID of 'Other' publisher with the publisher information. This will not generate an **error**.*

```
<seer:book availableInOpenAccessRepository="true" edition="1" placeOfPublication="Canberra,
Australia" yearPublished="2017" eraPublisherId="0000"  publisherOther="W. W. Norton & Company"
isbn="978-8837652893" extent="146 pages">

        <seer:title nativeScript="Post-Art: A Postmodern Approach to Visual Art Education"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="3601" apportionment="50"/>

                <seer:discipline forGroupCode="3606" apportionment="30"/>

                <seer:discipline forGroupCode="3901" apportionment="20"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos2.other.edu.au/book/978-
                0937652893" />

        </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:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="3601">

                <seer:nominatedPRDiscipline forGroupCode="3606">

        </seer:nominatedPRDisciplines>

</seer:book>
```

BR141 – No duplication of conference name

ID	Expression	Severity
BR141	The institution provides the name of a conference that is already on the conference list.	Error

EXAMPLE ONE – *The following example shows ERA Conference ID of 'Other' with the conference series name information that is already on the conference list. This will generate an **error**.*

\<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney" yearPublished="2017" extent="200-225" publisher="IEEE Xplore"\>

    \<seer:title nativeScript="Towards a Data Commons"/\>

    \<seer:disciplineAssignment\>

        \<seer:discipline forGroupCode="4699" apportionment="100"/\>

    \</seer:disciplineAssignment\>

    \<seer:electronicLocations\>

        \<seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-116-2-7" /\>

    \</seer:electronicLocations\>

    \<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:nominatedPRDisciplines\>

        \<seer:nominatedPRDiscipline forGroupCode="4699"/\>

    \</seer:nominatedPRDisciplines\>

    \<seer:conferencePublicationOutlet eraConferenceId="00000" conferenceOther=" Australasian Transport Research Forum" venue="Sydney, Australia "\>

```
            <seer:title nativeScript="Proceedings - 2017 Digital Archives and Digital Humanities
            Conference"/>

        </seer:conferencePublicationOutlet>

</seer:conferencePublication>
```

EXAMPLE TWO – *The following example shows correct ERA Conference ID. This will not generate an* **error.**

```
<seer:conferencePublication availableInOpenAccessRepository="true" placeOfPublication="Sydney"
yearPublished="2017" extent="200-225" publisher="IEEE Xplore">

        <seer:title nativeScript="Towards a Data Commons"/>

        <seer:disciplineAssignment>

                <seer:discipline forGroupCode="4699" apportionment="100"/>

        </seer:disciplineAssignment>

        <seer:electronicLocations>

                <seer:electronicLocation repositoryLink="https://repos1.other.edu.au/article/00207608-
                116-2-7" />

        </seer:electronicLocations>

        <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:nominatedPRDisciplines>

                <seer:nominatedPRDiscipline forGroupCode="4699"/>

        </seer:nominatedPRDisciplines>

        <seer:conferencePublicationOutlet eraConferenceId="00000" conferenceOther="Joint Computer
        Science and Engineering Innovation conference" venue="Sydney, Australia ">

                <seer:title nativeScript="Proceedings - 2017 Digital Archives and Digital Humanities
                Conference"/>

        </seer:conferencePublicationOutlet>
```

`</seer:conferencePublication>`

5. Peer Review Calculation

For ERA 2023, institutions will be able to nominate a research output for ERA peer review in any one or more of the three FoR codes to which that research output has been assigned at the four digit level.

An institution must nominate 30% of the total number of research outputs for each underlying four digit unit of evaluation where they meet the low volume threshold. Peer review outputs are also required to be nominated for four digit units of evaluation with low volume, where the two digit unit of evaluation meets the low volume threshold. If a 2-digit UoE does not meet the low volume threshold, there is no requirement to nominate a peer review sample for any of the underlying four digit codes.

6. Duplicate Resolution

This section addresses the criteria for duplication checking based on the bibliographic information submitted by institutions. For each research output an algorithm checks to make sure that the research output is unique within the submission file. SEER will create a warning message for the research output deemed to be duplicated with one or more of the other research output(s) in the same submission file. The institution will be able to acknowledge the warning and accept and rectify the submission, or ignore the warning message and progress to the next stage of the submission process.

If the warning message remains, the ARC will review each individual issue and may ask an institution to provide an explanation as to why particular research outputs should not be seen as a duplicated record.

Indexed Journal Article

Duplicated indexed journal articles will have an effect on the citation analysis, volume and activity indicators and frequency table. Indexed journal articles have a unique electronic identifier; therefore, the submission data must be uniquely submitted. SEER performs this check during submission XML file validation at the beginning of the submission process.

Other duplication checks

The process of deduplication of research outputs will have an impact upon the volume and activity indicators, and the frequency table. Based on research output type, the data fields used for identifying duplicated records are in the table below:

Output Type	Data fields	Rules identifier
Journal Article	- Native script - Creator(s) - Staff creator(s) - Issue - Volume - ERA Journal ID	JAW

Output Type	Data fields	Rules identifier
Book	- Native script - Creators - Staff creator(s) - Place of publication - Publisher Name - ISBN	BOW
Book chapter	- Native script (Book chapter) - Creator(s) - Staff creator(s) - Place of publication - Publisher Name - Native script (Book) - ISBN	BCW
Conference Publication	- Native script (conference publication) - Creator(s) - Year published - Native script (Conference outlet) - Conference Name - Venue	CPW
Conference Publications vs Journal Article	- Native script - Creator(s) - Staff creator(s)	CJW
Non-Traditional Research Output including Research Report for External body	- Native script - Year published - Creator(s) - Category - Place of publication	OCW, CPW, RRW, CEW, RRE

7. Submission Data Integrity Checking

During this phase of the ERA 2023 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 changes 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 a guide to assist institutions in ensuring the integrity of their ERA 2023 submissions.

General Checks

- Records where a business rule has generated a warning that the institution has ignored. The ARC will examine whether these warnings 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 2023 Technical Specifications*).
- Existence and acceptable content of an explanatory statement for each two-digit FoR.

Researchers

- Apparent duplicate entries.
- Unusually low FTE for researchers with an Employment Status type '1'.
- Unusually high proportions of staff with FTE less than 0.4.
- FTE checking of a single researcher which exceeds 1.0 for a single institution.

Research Outputs

- Records with apparently duplicated research outputs as initially identified by SEER as potential duplicates.
- Where a journal article appears in an extremely highly/lowly cited category.
- Possible duplication of research items within portfolios and other research outputs submitted for non-traditional research output types.
- Inconsistencies between 'year published' and 'year available' for research outputs of greater than 2 years.
- Research outputs published in a non-English language have correctly provided additional information, such as language code and Roman script.
- The sensitive handling note provides enough information on how to handle the research output.
- The repository link is in the correct format.
- The repository link points to a supported file type and does not link to a landing page containing any additional information which is outside ERA requirements.
- Institutions have provided the research statement for non-traditional research outputs flagged for ERA peer review.
- The cross-check of bibliographic information of indexed journal articles with bibliographic information received from the citation provider.

- Where an institution has submitted a book as a research output, no chapters from that same book have also been submitted.

- Institutions have used the reassignment exception appropriately.

Citation Profile

- Centile distributions that may not reflect the normal publishing pattern.