



**Australian Government**  
**Australian Research Council**

## **ERA–SEER Business Rules for HCA Submissions**

The following document outlines additional business rules that apply to submissions.

SEER will check institution submission files against these rules. If SEER detects that a particular business rule has been breached it will generate either a warning or an error message, depending on the significance of the breach.

In order to complete the submission process there must be no outstanding errors in the submission file. A submission may be finalised with warnings. A submission may be certified with warnings, once the submission and the warnings associated with it are certified by the Vice Chancellor or a delegate of the Vice Chancellor.

### **Business Rules Index**

<b>ID</b>	<b>Expression</b>	<b>Error/Warning</b>
BR001	The research output must have at least one of the following years within the research output reference period (1 January 2002–31 December 2007): <ul style="list-style-type: none"><li>- year published</li><li>- year available</li><li>- year presented.</li></ul>	Error
BR002	All submitted research income items for all categories must have a reference year between 1 January 2005 and 31 December 2007.	Error
BR003	All submitted research commercialisation income must have a reference year between 1 January 2005 and 31 December 2007.	Error
BR005	All applied measures must have a reference year between 1 January 2005 and 31 December 2007.	Error
BR007	If a research output is a revision of a book, the edited version number must be provided.	Error
BR008	Where an output is identified as sensitive, the type of sensitivity must be provided.	Error
BR009	If a research output is a translation of another research output, a full bibliographic reference for the original must be provided.	Error
BR011	If the title of a research output is in a language other than English, the title in Roman script may be provided.	Warning
BR012	Where a research output is identified as sensitive, a sensitivity note may be provided.	Warning
BR013	For each research output, at least one FoR must be within the submitting cluster.	Error

BR014	For each research income item, at least one FoR must be within the submitting cluster.	Error
BR015	For each research commercialisation income item, at least one FoR must be within the submitting cluster.	Error
BR016	For each applied measure, at least one FoR must be within the submitting cluster.	Error
BR018	The total apportionment of FoR codes for each researcher must not exceed 100%.	Error
BR019	Each staff reference must be unique within each submission.	Error
BR022	The staff reference ID associated with a research output must match the staff reference ID in the researcher data list in the same submission.	Error
BR023	Where a research output has been identified for ERA peer review, an electronic location or physical location for that output should be provided.	Warning
BR027	The total apportionment of FoR codes for each research income item must not exceed 100%.	Error
BR033	An FoR code assigned to a research output must be different from any other FoR code assigned to the same research output.	Error
BR034	An FoR code assigned to a research income item must be different from any other FoR code assigned to the same research income item.	Error
BR035	An FoR code assigned to an applied measure must be different from any other FoR code assigned to the same applied measure.	Error
BR037	An FoR code assigned to a researcher must be different from any other FoR code assigned to the same researcher	Error
BR040	A research output may have year available or year presented outside the reference period, only if the year published is within the reference period.	Warning
BR042	Where a researcher is employed (employment status is "1") a total full time employment (FTE) value must be submitted.	Error
BR043	A journal article EID must conform to the specified Scopus EID format. Journal articles published in a journal not indexed by Scopus must not have an EID.	Error
BR044	A creator published name must be submitted for each creator order in an output.	Error
BR046	A reference year within each research income item income years must only appear once in a submission to avoid potential duplicates.	Error

## Business Rules Examples

Examples are provided below for each rule.

ID	Expression	Error/Warning
BR001	The research output must have at least one of the following years within the research outputs reference period (1 January 2002–31 December 2007): <ul style="list-style-type: none"><li>- year published</li><li>- year available</li><li>- year presented.</li></ul>	Error

### Example

The example below shows that the year published and year presented values are not within the research outputs reference period, but the year available is. This will generate a warning message only.

(Note: please also refer to the BR040)

```
<seer:journalArticle isSensitive="false" yearPublished="2001"
availableForPeerReview="false" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearAvailable="2002" yearPresented="2000"
identifier="2-s2.0-59049096624">
  <seer:title nativeScript="Advances in Geophysics-00"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
      2" linkType="1" nonRepositoryJustification="Requires
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
      Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
      Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="1866"/>
</seer:journalArticle>
```

The example below shows that none of the publication dates (year published, year available and year presented) is within the research output reference period. This will generate an error that needs to be addressed before the submission can be finalised.

```
<seer:journalArticle isSensitive="false" yearPublished="2001"
availableForPeerReview="false" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearPresented="2000" identifier="2-s2.0-
59049096624">
  <seer:title nativeScript="Advances in Geophysics-00"/>
```

```
<seer:electronicLocations>
  <seer:electronicLocation
    repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
</seer:electronicLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
  <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="U34343"/>
</seer:staffCreators>
<seer:rankedJournalOutlet eraJournalId="1866"/>
</seer:journalArticle>
```

ID	Expression	Error/Warning
BR002	All submitted research income items for all categories must have a reference year between 1 January 2005 and 31 December 2007.	Error

### Example

The example below shows that all three Other Public Sector Income items have reference years within the reference period.

```

<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear referenceYear="2005"
totalAmountReceived="200000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0201"/>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0302"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear referenceYear="2006"
totalAmountReceived="11000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0201"/>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0404"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear referenceYear="2007"
totalAmountReceived="15575">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0404"/>
        <seer:valueByDiscipline
apportionmentPerGroup="50"
forGroupCode="0406"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:otherPublicSectorIncome>

```

The example below shows an income item with a reference year which is outside the reference period. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear referenceYear="2005"
totalAmountReceived="200000">
      <seer:incomeByDiscipline>

```

```

        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0201"/>
        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0406"/>
    </seer:incomeByDiscipline>
</seer:otherIncomeYear>
<seer:otherIncomeYear referenceYear="2006"
totalAmountReceived="11000">
    <seer:incomeByDiscipline>
        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0201"/>
        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0404"/>
    </seer:incomeByDiscipline>
</seer:otherIncomeYear>
<seer:otherIncomeYear referenceYear="2008"
totalAmountReceived="15575">
    <seer:incomeByDiscipline>
        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0404"/>
        <seer:valueByDiscipline
        apportionmentPerGroup="50"
        forGroupCode="0406"/>
    </seer:incomeByDiscipline>
</seer:otherIncomeYear>
</seer:otherIncomeYears>
</seer:otherPublicSectorIncome>

```

ID	Expression	Error/Warning
BR003	All submitted research commercialisation income must have a reference year between 1 January 2005 and 31 December 2007.	Error

### Example

The example below shows a research commercialisation income item with a reference year within the reference period. This is correct.

```

<pce:appliedMeasures>
    <seer:researchCommercialisationIncome>
        <seer:otherIncomeYears>
            <seer:otherIncomeYear referenceYear="2005"
            totalAmountReceived="20000">
                <seer:incomeByDiscipline>
                    <seer:valueByDiscipline
                    apportionmentPerGroup="20"
                    forGroupCode="0303"/>
                    <seer:valueByDiscipline
                    apportionmentPerGroup="20"
                    forGroupCode="0305"/>
                </seer:incomeByDiscipline>
            </seer:otherIncomeYear>
        </seer:otherIncomeYears>
    </seer:researchCommercialisationIncome>
</pce:appliedMeasures>

```

```

    </seer:researchCommercialisationIncome>
  </pce:appliedMeasures>

```

The example below shows a research commercialisation income item with a reference year outside the reference period. This will generate an error which needs to be addressed before the submission can be finalised.

```

<pce:appliedMeasures>
  <seer:researchCommercialisationIncome>
    <seer:otherIncomeYears>
      <seer:otherIncomeYear referenceYear="2003"
        totalAmountReceived="20000">
        <seer:incomeByDiscipline>
          <seer:valueByDiscipline
            apportionmentPerGroup="20"
            forGroupCode="0303"/>
          <seer:valueByDiscipline
            apportionmentPerGroup="20"
            forGroupCode="0305"/>
        </seer:incomeByDiscipline>
      </seer:otherIncomeYear>
    </seer:otherIncomeYears>
  </seer:researchCommercialisationIncome>
</pce:appliedMeasures>

```

ID	Expression	Error/Warning
BR005	All applied measures must have a reference year between 1 January 2005 and 31 December 2007.	Error

### Example

The example below shows a patent with a reference year within reference period. This is correct.

```

<pce:appliedMeasures>
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate
    thin film carbon monoxide sensor " number="US 5691465">
    <seer:disciplineOutput>
      <seer:discipline forGroupCode="0305"></seer:discipline>
    </seer:disciplineOutput>
  </seer:patent>
</pce:appliedMeasures>

```

The example below shows the same data as above with the reference year outside the reference period. This will generate an error which needs to be addressed before the submission can be finalised.

```

<pce:appliedMeasures>
  <seer:patent referenceYear="2008" registeredCountry="2" name="Multi-plate
    thin film carbon monoxide sensor " number="US 5691465">
    <seer:disciplineOutput>
      <seer:discipline forGroupCode="0305"></seer:discipline>
    </seer:disciplineOutput>
  </seer:patent>
</pce:appliedMeasures>

```

ID	Expression	Error/Warning
BR007	If a submitted research output is a revision of a book, the edited version number must be provided.	Error

### Example

The example below shows that the version value of the book is 2, indicating this version is a revision (a version value of 1 indicates an original version). The corresponding value in the edition field is 'second'. This is correct.

```
<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="second"
extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
typeOfSensitivity="3">
  <seer:title nativeScript="The research book of classical physics"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=122"
      linkType="1" nonRepositoryJustification="Requires
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Barber,
    Baker"/> <!--Example showing at least one staff researcher
    required in creator list -->
    <seer:creator orderInOutput="2" publishedName="Roy,
    James"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U23414"/>
  </seer:staffCreators>
  <seer:institutionalUnits>
    <seer:institutionalUnit name="Research centre of university"
    code="123"/>
  </seer:institutionalUnits>
  <seer:researchThemes>
    <seer:researchTheme code="THM12"/>
  </seer:researchThemes>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0203"/>
    <seer:discipline forGroupCode="1201"/>
  </seer:disciplineOutput>
</seer:book>
```

The example below shows that the version of the book is 2. However, the value in the edition field is blank. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:book isSensitive="false" yearPublished="2002" isbn="2234567890"
availableForPeerReview="true" version="2" publisher="ABC Publishers" edition=" "
extent="305 pages" isTranslated="false" otherLocation="XYZ University Library"
placeOfPublication="Mumbai" referenceToOriginal="Ancient book of architecture"><!--
BR007Nodata provided for research output--> <!--Br007-->
```

```

<seer:title nativeScript="□□□□□□□□ □□ □□□□□□"
language="5203" romanScript="Vigyan me Pragati"
translated="Advancement in Science"/>
<seer:electronicLocations>
  <seer:electronicLocation
    repositoryLink="http://universitylibrary/booklocationid=1234"
    linkType="1" nonRepositoryJustification="Required
    Username/Password to access this data"/>
</seer:electronicLocations>
<seer:creators>
  <seer:creator orderInOutput="1" publishedName="Smith,
    David"/>
  <seer:creator orderInOutput="2" publishedName="Boyle,
    Andrew"/>
</seer:creators>
<seer:staffCreators>
  <seer:staffCreator staffReference="U13342"/>
</seer:staffCreators>
<seer:disciplineOutput>
  <seer:discipline forGroupCode="0202"/>
  <seer:discipline forGroupCode="0299"/>
</seer:disciplineOutput>
</seer:book>

```

ID	Expression	Error/Warning
BR008	Where an output is identified as sensitive the type of sensitivity must be provided.	Error

### Example

The example below shows a research output identified as sensitive, with a sensitivity type of 3, “Non-public”. This is correct.

```

<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
typeOfSensitivity="3">
  <seer:title nativeScript="The research book of classical physics"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=122"
      linkType="1" nonRepositoryJustification="Required
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Barber,
      Baker"/> <!--Example showing at least one staff researcher
      required in creator list -->
    <seer:creator orderInOutput="2" publishedName="Roy,
      James"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U23414"/>
  </seer:staffCreators>
  <seer:institutionalUnits>

```

```

        <seer:institutionalUnit name="Research centre of university"
            code="123"/>
    </seer:institutionalUnits>
    <seer:researchThemes>
        <seer:researchTheme code="THM12"/>
    </seer:researchThemes>
    <seer:disciplineOutput>
        <seer:discipline forGroupCode="0203"/>
        <seer:discipline forGroupCode="1201"/>
    </seer:disciplineOutput>
</seer:book>

```

The example below shows a research output identified as sensitive. The type of sensitivity field is blank. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
    availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="1"
    extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
    placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
    about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
    typeOfSensitivity="">
    <seer:title nativeScript="The research book of classical physics"/>
    <seer:electronicLocations>
        <seer:electronicLocation
            repositoryLink="http://universitylibrary/booklocationid=122"
            linkType="1" nonRepositoryJustification="Required
            Username/Password to access this data"/>
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Barber,
        Baker"/> <!--Example showing at least one staff researcher
        required in creator list -->
        <seer:creator orderInOutput="2" publishedName="Roy,
        James"/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="U23414"/>
    </seer:staffCreators>
    <seer:institutionalUnits>
        <seer:institutionalUnit name="Research centre of university"
            code="123"/>
    </seer:institutionalUnits>
    <seer:researchThemes>
        <seer:researchTheme code="THM12"/>
    </seer:researchThemes>
    <seer:disciplineOutput>
        <seer:discipline forGroupCode="0203"/>
        <seer:discipline forGroupCode="1201"/>
    </seer:disciplineOutput>
</seer:book>

```

ID	Expression	Error/Warning
BR009	If a research output is a translation of another research output, a full bibliographic reference for the original must be provided.	Error

### Example

The example below shows a research output which is a translation of another research output. The full bibliographic information for the original is also provided. This is correct.

```
<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
typeOfSensitivity="3">
  <seer:title nativeScript="The research book of classical physics"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=122"
      linkType="1" nonRepositoryJustification="Requires
      Username/Password to access this data"/>
    </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Barber,
    Baker"/>
    <seer:creator orderInOutput="2" publishedName="Roy,
    James"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U23414"/>
  </seer:staffCreators>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0203"/>
  </seer:disciplineOutput>
</seer:book>
```

The example below shows a research output which is a translation of another research output. No bibliographic information for the original is provided. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal=""
sensitiveNote="This is a sensitive note" typeOfSensitivity="3">
  <seer:title nativeScript="The research book of classical physics"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=122"
      linkType="1" nonRepositoryJustification="Required
      Username/Password to access this data"/>
    </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Barber,
    Baker"/>
```

```

        <seer:creator orderInOutput="2" publishedName="Roy,
        James"/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="U23414"/>
    </seer:staffCreators>

    <seer:disciplineOutput>
        <seer:discipline forGroupCode="0203"/>
    </seer:disciplineOutput>
</seer:book>

```

ID	Expression	Error/Warning
BR011	If the title of a research output is in a language other than English the title in Roman script may be provided.	Warning

### Example

The example below shows a research output where the title is in a language other than English. A Roman script title for the research output has also been provided. This is correct.

```

<seer:book isSensitive="false" yearPublished="2002" isbn="2234567890"
availableForPeerReview="false" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="false" otherLocation="XYZ University Library"
placeOfPublication="Mumbai">
    <seer:title nativeScript="□□□□□□□□ □□ □□□□□□"
    language="5203" romanScript="Vigyan me Pragati"
    translated="Advancement in Science"/>
    <seer:electronicLocations>
        <seer:electronicLocation
            repositoryLink="http://universitylibrary/booklocationid=1234"
            linkType="1" nonRepositoryJustification="Requires
            Username/Password to access this data"/>
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Smith,
        David"/>
        <seer:creator orderInOutput="2" publishedName="Boyle,
        Andrew"/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="U13342"/>
    </seer:staffCreators>
    <seer:disciplineOutput>
        <seer:discipline forGroupCode="0202"/>
    </seer:disciplineOutput>
</seer:book>

```

The example below shows a research output where the title is in a language other than English. A Roman script title for the research output has not been provided. This will generate a warning which does not need to be addressed before the submission can be finalised, but which must be acknowledge by the Vice Chancellor or Vice Chancellor’s delegate at certification.

```

<seer:book isSensitive="false" yearPublished="2002" isbn="2234567890"
availableForPeerReview="true" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="false" otherLocation="XYZ University Library"
placeOfPublication="Mumbai">
  <seer:title nativeScript="□□□□□□□□ □□ □□□□□□"
language="5203" romanScript=" " translated="Advancement in
Science"/> <!--BR011 warning-->
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="http://universitylibrary/booklocationid=1234"
linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
David"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U13342"/>
  </seer:staffCreators>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0202"/>
  </seer:disciplineOutput>
</seer:book>

```

ID	Expression	Error/Warning
BR012	Where a research output is identified as sensitive, a sensitivity note may be provided.	Warning

### Example

The example below shows a sensitive research output, for which a sensitivity note has been provided. This is correct.

```

<seer:bookChapter isSensitive="true" typeOfSensitivity="1" sensitiveNote="This output is
sensitive" yearPublished="2005" availableForPeerReview="false" extent="30 pages"
isTranslated="false" otherLocation="State Library" placeOfPublication="Melbourne,
Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
Press, Australia">
    <seer:title nativeScript="The book of organic chemistry"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0305"/>
  </seer:disciplineOutput>
</seer:bookChapter>

```

The example below shows a sensitive research output, for which a sensitivity note has not been provided. This will generate a warning which does not need to be addressed before the submission can be finalised, but which must be acknowledged by the Vice Chancellor or Vice Chancellor's delegate at certification.

```
<seer:bookChapter isSensitive="true" typeOfSensitivity="1" sensitiveNote=" "
yearPublished="2005" availableForPeerReview="false" extent="30 pages"
isTranslated="false" otherLocation="State Library" placeOfPublication="Melbourne,
Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
Press, Australia">
    <seer:title nativeScript="The book of organic chemistry"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0305"/>
  </seer:disciplineOutput>
</seer:bookChapter>
```

ID	Expression	Error/Warning
BR013	For each research output, at least one FoR must be within the submitting cluster.	Error

### Example

The example below shows a research output submitted for the PCE cluster. One of the two FoR codes assigned to the output is within the PCE cluster. This is correct.

```
<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
availableForPeerReview="true" version="2" publisher="ABC Publishers" edition="1"
extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
typeOfSensitivity="3">
  <seer:title nativeScript="The research book of classical physics"/>
  <seer:electronicLocations>
    <seer:electronicLocation
repositoryLink="http://universitylibrary/booklocationid=122"
linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Barber,
Baker"/>
    <seer:creator orderInOutput="2" publishedName="Roy,
James"/>
  </seer:creators>
  <seer:staffCreators>
```

```

        <seer:staffCreator staffReference="U23414"/>
    </seer:staffCreators>
    <seer:institutionalUnits>
        <seer:institutionalUnit name="Research centre of university"
            code="123"/>
    </seer:institutionalUnits>
    <seer:researchThemes>
        <seer:researchTheme code="THM12"/>
    </seer:researchThemes>
    <seer:disciplineOutput>
        <seer:discipline forGroupCode="0201"/>
        <seer:discipline forGroupCode="1201"/>
    </seer:disciplineOutput>
</seer:book>

```

The example below shows a research output submitted for the PCE cluster. Neither of the two FoR codes assigned to the output are within the PCE cluster. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:book isSensitive="true" yearPublished="2004" isbn="1234567890"
    availableForPeerReview="true" version="2" publisher="ABC Publishers" edition="1"
    extent="305 pages" isTranslated="true" otherLocation="XYZ University Library"
    placeOfPublication="Perth" yearAvailable="2005" referenceToOriginal="Bessant, M 2004, All
    about physics,2nd edn., xyz publishers,NJ" sensitiveNote="This is a sensitive note"
    typeOfSensitivity="3">
    <seer:title nativeScript="The research book of classical physics"/>
    <seer:electronicLocations>
        <seer:electronicLocation
            repositoryLink="http://universitylibrary/booklocationid=122"
            linkType="1" nonRepositoryJustification="Requires
            Username/Password to access this data"/>
    </seer:electronicLocations>
    <seer:creators>
        <seer:creator orderInOutput="1" publishedName="Barber,
            Baker"/>
        <seer:creator orderInOutput="2" publishedName="Roy,
            James"/>
    </seer:creators>
    <seer:staffCreators>
        <seer:staffCreator staffReference="U23414"/>
    </seer:staffCreators>
    <seer:institutionalUnits>
        <seer:institutionalUnit name="Research centre of university"
            code="123"/>
    </seer:institutionalUnits>
    <seer:researchThemes>
        <seer:researchTheme code="THM12"/>
    </seer:researchThemes>
    <seer:disciplineOutput>
        <seer:discipline forGroupCode="1802"/>
        <seer:discipline forGroupCode="1201"/>
    </seer:disciplineOutput>
</seer:book>

```

ID	Expression	Error/Warning
BR014	For each research income item, at least one FoR must be within the submitting cluster.	Error

### Example

The example below shows a research income item submitted for the PCE cluster. One of the two FoR codes assigned to the item is within the PCE cluster. This is correct.

```

<seer:australianCompetitiveGrant>
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2005_022"
      referenceYear="2005"
      totalAmountReceived="50000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="0305"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="1201"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
  </seer:incomeYears>
</seer:australianCompetitiveGrant>

```

The example below shows a research income item submitted for PCE cluster. Neither of the two FoR codes assigned to the item are within the PCE cluster. This will generate an error which needs to be addressed before the submission can be finalised.

```

seer:australianCompetitiveGrant>
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2005_022"
      referenceYear="2005"
      totalAmountReceived="50000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="1305"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="1201"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
  </seer:incomeYears>
</seer:australianCompetitiveGrant>

```

ID	Expression	Error/Warning
BR015	For each research commercialisation income item, at least one FoR must be within the submitting cluster.	Error

### Example

The example below shows a research commercialisation income item submitted for the PCE cluster. One of the two FoR codes assigned to the item is within the PCE cluster. This is correct.

```

<seer:researchCommercialisationIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear referenceYear="2005"
      totalAmountReceived="20000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="20"
          forGroupCode="0306"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="20"
          forGroupCode="0402"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:researchCommercialisationIncome>

```

The example below shows a research commercialisation income item submitted for the PCE cluster. Neither of the two FoR codes assigned to the item are within the PCE cluster. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:researchCommercialisationIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear referenceYear="2005"
      totalAmountReceived="20000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="20"
          forGroupCode="8403"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="20"
          forGroupCode="8498"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:researchCommercialisationIncome>

```

ID	Expression	Error/Warning
BR016	For each applied measure, at least one FoR must be within the submitting cluster.	Error

### Example

The example below shows a patent submitted for the PCE cluster. One of the two FoR codes assigned to the patent is within the PCE cluster. This is correct.

```
<pce:appliedMeasures>
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate
thin film carbon monoxide sensor " number="US 5691465">
    <seer:disciplineOutput>
      <seer:discipline forGroupCode="0305"></seer:discipline>
    </seer:disciplineOutput>
  </seer:patent>
</pce:appliedMeasures>
```

The example below shows a patent submitted for the PCE cluster. Neither of the two FoR codes assigned to the patent are within the PCE cluster. This will generate an error which needs to be addressed before the submission can be finalised.

```
<pce:appliedMeasures>
  <seer:patent referenceYear="2006" registeredCountry="2" name="Multi-plate
thin film carbon monoxide sensor " number="US 5691465">
    <seer:disciplineOutput>
      <seer:discipline forGroupCode="2005"></seer:discipline>
    </seer:disciplineOutput>
  </seer:patent>
</pce:appliedMeasures>
```

ID	Expression	Error/Warning
BR018	The total apportionment of FoR codes for each researcher must not exceed 100%.	Error

### Example

The example below shows a researcher with a total FoR code apportionment of 70%. This is correct.

```
<seer:researcher employmentLevel="042" employmentStatus="1" lastName="Barber"
staffReference="U23414" researcherFunction="A" firstName="Baker" honorific="Professor"
middleName="B." totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0203" appportionment="25"/>
    <seer:affiliation forGroupCode="0204" appportionment="25"/>
    <seer:affiliation forGroupCode="2001" appportionment="20"/>
  </seer:affiliationByDiscipline>
</seer:researcher>
```

The example below shows a researcher with total FoR code apportionment of 110%. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:researcher employmentLevel="042" employmentStatus="1" lastName="Barber"
staffReference="U23414" researcherFunction="A" firstName="Baker" honorific="Professor"
middleName="B." totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0203" apportionment="25"/>
    <seer:affiliation forGroupCode="0204" apportionment="25"/>
    <seer:affiliation forGroupCode="2001" apportionment="60"/>
  </seer:affiliationByDiscipline>
</seer:researcher>

```

ID	Expression	Error/Warning
BR019	Each staff reference must be unique within each submission.	Error

### Example

The example below shows three researchers each with a unique staff reference ID. This is correct.

```

<seer:researchers>
  <seer:researcher employmentLevel="100" employmentStatus="1"
lastName="Smith" staffReference="U12234" researcherFunction="A"
firstName="John" honorific="Dr." middleName="M." otherName="Johnson
Smith" totalFte="1.0">
    <seer:affiliationByDiscipline>
      <seer:affiliation forGroupCode="0202"
apportionment="100"/>
    </seer:affiliationByDiscipline>
  </seer:researcher>
  <seer:researcher employmentLevel="066" employmentStatus="1"
lastName="Boyle" staffReference="U12235" researcherFunction="B"
firstName="Andrew" honorific="Professor" totalFte="1.0"> <!--BR019-->
    <seer:affiliationByDiscipline>
      <seer:affiliation forGroupCode="0203" apportionment="50"/>
      <seer:affiliation forGroupCode="0204" apportionment="50"/>
    </seer:affiliationByDiscipline>
  </seer:researcher>
  <seer:researcher employmentLevel="066" employmentStatus="1"
lastName="Boyle" staffReference="U13342" researcherFunction="B"
firstName="Andrew" honorific="Professor" totalFte="1.0"> <!--BR019-->
    <seer:affiliationByDiscipline>
      <seer:affiliation forGroupCode="0203" apportionment="50"/>
      <seer:affiliation forGroupCode="0204" apportionment="50"/>
    </seer:affiliationByDiscipline>
  </seer:researcher>
</seer:researchers>

```

The example below shows two researchers each with the same staff reference ID, "U12234". This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:researchers>
  <seer:researcher employmentLevel="100" employmentStatus="1"
lastName="Smith" staffReference="U12234" researcherFunction="A"
firstName="John" honorific="Dr." middleName="M." otherName="Johnson
Smith" totalFte="1.0">
    <seer:affiliationByDiscipline>

```

```

        <seer:affiliation forGroupCode="0202"
        apportionment="100"/>
    </seer:affiliationByDiscipline>
</seer:researcher>
<seer:researcher employmentLevel="066" employmentStatus="1"
lastName="Boyle" staffReference="U12234" researcherFunction="B"
firstName="Andrew" honorific="Professor" totalFte="1.0"> <!--BR019-->
    <seer:affiliationByDiscipline>
        <seer:affiliation forGroupCode="0203" apportionment="50"/>
        <seer:affiliation forGroupCode="0204" apportionment="50"/>
    </seer:affiliationByDiscipline>
</seer:researcher>
<seer:researcher employmentLevel="066" employmentStatus="1"
lastName="Boyle" staffReference="U13342" researcherFunction="B"
firstName="Andrew" honorific="Professor" totalFte="1.0"> <!--BR019-->
    <seer:affiliationByDiscipline>
        <seer:affiliation forGroupCode="0203" apportionment="50"/>
        <seer:affiliation forGroupCode="0204" apportionment="50"/>
    </seer:affiliationByDiscipline>
</seer:researcher>
</seer:researchers>

```

ID	Expression	Error/Warning
BR022	The staff reference ID associated with a research output must match the staff reference ID in the researcher data list in the same submission.	Error

### Example

The example below consists of 2 parts: the researcher data where the staff references are “U13343” and “U13342”; and the research output data where each research output is associated with a staff reference contained in the researcher data part of the submission. This is correct.

```

<seer:researchers>
    <seer:researcher employmentLevel="100" employmentStatus="1"
    lastName="Smith" staffReference="U13343" researcherFunction="A"
    firstName="John" honorific="Dr." middleName="M." otherName="Johnson
    Smith" totalFte="1.0">
        <seer:affiliationByDiscipline>
            <seer:affiliation forGroupCode="0202"
            apportionment="100"/>
        </seer:affiliationByDiscipline>
    </seer:researcher>
    <seer:researcher employmentLevel="066" employmentStatus="1"
    lastName="Boyle" staffReference="U13342"
    researcherFunction="B" firstName="Andrew" honorific="Professor"
    totalFte="1.0">
        <seer:affiliationByDiscipline>
            <seer:affiliation forGroupCode="0203" apportionment="50"/>
            <seer:affiliation forGroupCode="0204" apportionment="50"/>
        </seer:affiliationByDiscipline>
    </seer:researcher>
</seer:researchers>

```

....

```

<seer:book isSensitive="false" yearPublished="2002" isbn="2234567890"
availableForPeerReview="true" version="2" publisher="ABC Publishers"
edition="1" extent="305 pages" isTranslated="false" otherLocation="XYZ
University Library" placeOfPublication="Mumbai">
  <seer:title nativeScript="□□□□□□□□ □□ □□□□□□"
  language="5203" romanScript="Vigyan me Pragati"
  translated="Advancement in Science"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=1234"
      linkType="1" nonRepositoryJustification="Requires
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
      David"/>
    <seer:creator orderInOutput="2" publishedName="Boyle,
      Andrew"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U13342"/>
  </seer:staffCreators>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0202"/>
    <seer:discipline forGroupCode="0299"/>
  </seer:disciplineOutput>
</seer:book>
<seer:bookChapter isSensitive="true" typeOfSensitivity="1"
sensitiveNote="This output is sensitive" yearPublished="2005"
availableForPeerReview="false" extent="30 pages" isTranslated="false"
otherLocation="State Library" placeOfPublication="Melbourne, Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
      Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
      Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference=" U13343"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
  Press, Australia">
    <seer:title nativeScript="The book of organic chemistry"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0305"/>
  </seer:disciplineOutput>
</seer:bookChapter>

```

The example below consists of 2 parts: the researcher data where the staff references are “U13343” and “U13342”; and the research output data. In this example, however, only one of the research outputs is associated with a staff reference contained in the researcher data part of the submission. The other research output refers to a staff reference which does not exist in the submission file. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:researchers>
```

```

<seer:researcher employmentLevel="100" employmentStatus="1"
lastName="Smith" staffReference="U13343" researcherFunction="A"
firstName="John" honorific="Dr." middleName="M." otherName="Johnson
Smith" totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0202"
      apportionment="100"/>
  </seer:affiliationByDiscipline>
</seer:researcher>
<seer:researcher employmentLevel="066" employmentStatus="1"
lastName="Boyle" staffReference="U13342"
researcherFunction="B" firstName="Andrew" honorific="Professor"
totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0203" apportionment="50"/>
    <seer:affiliation forGroupCode="0204" apportionment="50"/>
  </seer:affiliationByDiscipline>
</seer:researcher>
</seer:researcher>

```

....

```

<seer:book isSensitive="false" yearPublished="2002" isbn="2234567890"
availableForPeerReview="true" version="2" publisher="ABC Publishers"
edition="1" extent="305 pages" isTranslated="false" otherLocation="XYZ
University Library" placeOfPublication="Mumbai">
  <seer:title nativeScript="□□□□□□□□ □□ □□□□□□"
language="5203" romanScript="Vigyan me Pragati"
translated="Advancement in Science"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=1234"
      linkType="1" nonRepositoryJustification="Requires
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
      David"/>
    <seer:creator orderInOutput="2" publishedName="Boyle,
      Andrew"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U13342"/>
  </seer:staffCreators>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0202"/>
    <seer:discipline forGroupCode="0299"/>
  </seer:disciplineOutput>
</seer:book>
<seer:bookChapter isSensitive="true" typeOfSensitivity="1"
sensitiveNote="This output is sensitive" yearPublished="2005"
availableForPeerReview="false" extent="30 pages" isTranslated="false"
otherLocation="State Library" placeOfPublication="Melbourne, Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
      Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
      Clarke"/>
  </seer:creators>

```

```

<seer:staffCreators>
  <seer:staffCreator staffReference="UUUU"/> <!--BR022-->
</seer:staffCreators>
<seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
Press, Australia">
  <seer:title nativeScript="The book of organic chemistry"/>
</seer:bookOutlet>
<seer:disciplineOutput>
  <seer:discipline forGroupCode="0305"/>
</seer:disciplineOutput>
</seer:bookChapter>

```

ID	Expression	Error/Warning
BR023	Where a research output has been identified for ERA peer review, an electronic location or physical location for that output should be provided.	Warning

### Example

The example below shows a research output identified for peer review and an electronic location for that output. This is correct.

```

<seer:bookChapter isSensitive="false" yearPublished="2005"
availableForPeerReview="true" extent="30 pages" isTranslated="false"
placeOfPublication="Melbourne, Australia"> <!--BR023-without both other
location and electronic location-->
  <seer:title nativeScript="Best Visual art secrets"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://universitylibrary/booklocationid=122"
      linkType="1" nonRepositoryJustification="Required
      Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
      Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
      Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
  Press, Australia">
    <seer:title nativeScript="The book of Visual arts and crafts"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="1905"/>
  </seer:disciplineOutput>
</seer:bookChapter>

```

The example below shows a research output identified for peer review where no electronic location for that output has been provided. This will generate a warning which does not need to be addressed before the submission can be finalised, but which must be acknowledge by the Vice Chancellor or Vice Chancellor's delegate at certification.

```

<seer:bookChapter isSensitive="false" yearPublished="2005"
availableForPeerReview="true" extent="30 pages" isTranslated="false"
placeOfPublication="Melbourne, Australia"> <!--BR023-without both other
location and electronic location-->
  <seer:title nativeScript="Best Visual art secrets"/>

  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith,
Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester
Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt.
Press, Australia">
    <seer:title nativeScript="The book of Visual arts and crafts"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="1905"/>
  </seer:disciplineOutput>
</seer:bookChapter>

```

ID	Expression	Error/Warning
BR027	The total apportionment of FoR codes for each research income item must not exceed 100%.	Error

### Example

The example below shows a research income item with total apportionment of 100%. This is correct.

```

<seer:incomeYear acgrCode="FND2007_066" referenceYear="2007"
totalAmountReceived="75000">
  <seer:grantIncomeByDiscipline>
    <seer:valueByDiscipline apportionmentPerGroup="50"
forGroupCode="0204"/>
    <seer:valueByDiscipline apportionmentPerGroup="50"
forGroupCode="0205"/>
  </seer:grantIncomeByDiscipline>
</seer:incomeYear>

```

The example below shows a research income item with total apportionment of 110%. This will generate an error which needs to be addressed before the submission can be finalised.

```

<seer:incomeYear acgrCode="FND2007_066" referenceYear="2007"
totalAmountReceived="75000">
  <seer:grantIncomeByDiscipline>
    <seer:valueByDiscipline apportionmentPerGroup="60"
forGroupCode="0204"/>
    <seer:valueByDiscipline apportionmentPerGroup="50"
forGroupCode="0205"/>
  </seer:grantIncomeByDiscipline>
</seer:incomeYear>

```

ID	Expression	Error/Warning
BR033	An FoR code assigned to a research output must be different from any other FoR code assigned to the same research output.	Error

### Example

The following example shows a research output with three FoR codes. Each FoR code is unique for this output. This is correct.

```
<seer:bookChapter isSensitive="true" typeOfSensitivity="1" sensitiveNote="This output is sensitive" yearPublished="2005" availableForPeerReview="false" extent="30 pages" isTranslated="false" otherLocation="State Library" placeOfPublication="Melbourne, Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith, Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt. Press, Australia">
    <seer:title nativeScript="The book of organic chemistry"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0201"/>
    <seer:discipline forGroupCode="0205"/>
    <seer:discipline forGroupCode="0203"/>
  </seer:disciplineOutput>
</seer:bookChapter>
```

The following example shows a research output with three FoR codes. There are two 0201 codes for this output. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:bookChapter isSensitive="true" typeOfSensitivity="1" sensitiveNote="This output is sensitive" yearPublished="2005" availableForPeerReview="false" extent="30 pages" isTranslated="false" otherLocation="State Library" placeOfPublication="Melbourne, Australia">
  <seer:title nativeScript="Polymerization principles"/>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Smith, Jane"/>
    <seer:creator orderInOutput="2" publishedName="Lester Clarke"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34342"/>
  </seer:staffCreators>
  <seer:bookOutlet edition="1" isbn="1234567899" publisher="Govt. Press, Australia">
    <seer:title nativeScript="The book of organic chemistry"/>
  </seer:bookOutlet>
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0201"/>
    <seer:discipline forGroupCode="0205"/>
    <seer:discipline forGroupCode="0201"/>
  </seer:disciplineOutput>
</seer:bookChapter>
```

ID	Expression	Error/Warning
BR034	An FoR code assigned to a research income item must be different from any other FoR code assigned to the same research income item.	Error

### Example

The following example shows a research income item with two FoR codes. Each FoR code is unique for this item. This is correct.

```
<seer:australianCompetitiveGrant>
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2005_022" referenceYear="2005"
      totalAmountReceived="50000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="0305"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="0301"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
  </seer:incomeYears>
</seer:australianCompetitiveGrant>
```

The following example shows a research income item with two FoR codes. There are two 0305 codes for this item. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:australianCompetitiveGrant>
  <seer:incomeYears>
    <seer:incomeYear acgrCode="FND2005_022" referenceYear="2005"
      totalAmountReceived="50000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="0305"/>
        <seer:valueByDiscipline
          apportionmentPerGroup="50"
          forGroupCode="0305"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
  </seer:incomeYears>
</seer:australianCompetitiveGrant>
```

ID	Expression	Error/Warning
BR035	An FoR code assigned to an applied measure must be different from any other FoR code assigned to the same applied measure.	Error

### Example

The following example shows an applied measure with three FoR codes. Each FoR code is unique for this measure. This is correct.

```
<seer:patent referenceYear="2007" registeredCountry="2" name="Multi-plate
thin film carbon monoxide sensor " number="US 5691465">
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0305"></seer:discipline>
    <seer:discipline forGroupCode="0304"></seer:discipline>
    <seer:discipline forGroupCode="0301"></seer:discipline>
  </seer:disciplineOutput>
</seer:patent>
```

The following example shows an applied measure with three FoR codes. There are two 0305 codes for this measure. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:patent referenceYear="2007" registeredCountry="2" name="Multi-plate
thin film carbon monoxide sensor " number="US 5691465">
  <seer:disciplineOutput>
    <seer:discipline forGroupCode="0305"></seer:discipline>
    <seer:discipline forGroupCode="0304"></seer:discipline>
    <seer:discipline forGroupCode="0305"></seer:discipline>
  </seer:disciplineOutput>
</seer:patent>
```

ID	Expression	Error/Warning
BR037	An FoR code assigned to a researcher must be different from any other FoR code assigned to the same researcher.	Error

### Example

The following example shows a researcher with three FoR codes. Each FoR code is unique for this researcher. This is correct.

```
<seer:researcher employmentLevel="042" employmentStatus="1" lastName="Barber"
staffReference="U23414" researcherFunction="A" firstName="Baker" honorific="Professor"
middleName="B." totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0201" apportionment="25"/>
    <seer:affiliation forGroupCode="0205" apportionment="25"/>
    <seer:affiliation forGroupCode="0203" apportionment="50"/>
  </seer:affiliationByDiscipline>
</seer:researcher>
```

The following example shows a researcher with three FoR codes. There are two 0203 codes for this researcher. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:researcher employmentLevel="042" employmentStatus="1" lastName="Barber"
staffReference="U23414" researcherFunction="A" firstName="Baker" honorific="Professor"
middleName="B." totalFte="1.0">
  <seer:affiliationByDiscipline>
    <seer:affiliation forGroupCode="0203" apportionment="25"/>
    <seer:affiliation forGroupCode="0205" apportionment="25"/>
    <seer:affiliation forGroupCode="0203" apportionment="50"/>
  </seer:affiliationByDiscipline>
</seer:researcher>
```

ID	Expression	Error/Warning
BR040	A research output may have year available or year presented outside the reference period, only if the year published is within the reference period.	Warning

### Example

The example below shows a research output with a year published within the reference period, but with year available and year presented outside the reference period. This is correct.

```
<seer:journalArticle isSensitive="false" yearPublished="2002"
availableForPeerReview="false" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearAvailable="2001" yearPresented="2000"
identifier="2-s2.0-59049096624">
  <seer:title nativeScript="Advances in Geophysics-00"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="1866"/>
</seer:journalArticle>
```

The example below is the same example provided for BR001. With BR001 this example is correct and won't generate an error. However, this example will generate a warning message under Business Rule BR040, because the year published is not within the reference period. The warning does not need to be addressed before the submission can be finalised, but must be acknowledge by the Vice Chancellor or Vice Chancellor's delegate at certification.

```

<seer:journalArticle isSensitive="false" yearPublished="2001"
availableForPeerReview="false" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearAvailable="2002" yearPresented="2000"
identifier="2-s2.0-59049096624">
  <seer:title nativeScript="Advances in Geophysics-00"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="1866"/>
</seer:journalArticle>

```

ID	Expression	Error/Warning
BR042	Where a Researcher is Employed (Employment Status is "1") a Total Full Time Employment (FTE) value must be submitted.	Error

### Example

```

<!--
This section displays the researcher sample data
-->
<seer:researchers>
  <seer:researcher employmentLevel="100" employmentStatus="1"
lastName="Smith" staffReference="U12234" researcherFunction="A"
firstName="John" honorific="Dr." middleName="M." otherName="Johnson
Smith" totalFte="1.0">
    <seer:affiliationByDiscipline>
      <seer:affiliation forGroupCode="1201" apportionment="100" />
    </seer:affiliationByDiscipline>
  </seer:researcher>
</seer:researchers>

```

ID	Expression	Error/Warning
BR043	A journal article EID must conform to the specified Scopus EID format. For a journal article published in a journal not indexed by Scopus, the journal article must not have an EID.	Error

This rule has two parts. In part 1 a journal article EID must conform to the specified Scopus EID format. To ensure that an EID conforms to the specified Scopus ID format, the EID must be supplied by Scopus.

### Example

The example below shows an EID that conforms to the specified Scopus EID format. This is correct.

```
<seer:journalArticle isSensitive="false" yearPublished="2005" availableForPeerReview="true"
extent="47 pages" isTranslated="false" journalIssue="21" journalVolume="2"
otherLocation="Tokyo Library" placeOfPublication="Tokyo" yearAvailable="2006"
yearPresented="2007" identifier="2-s2.0-4344643327">
  <seer:title nativeScript="The evolution in geochemistry-3"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="34318"/>
</seer:journalArticle>
```

The example below shows an EID that does not conform to the specified Scopus EID format. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:journalArticle isSensitive="false" yearPublished="2005" availableForPeerReview="true"
extent="47 pages" isTranslated="false" journalIssue="21" journalVolume="2"
otherLocation="Tokyo Library" placeOfPublication="Tokyo" yearAvailable="2006"
yearPresented="2007" identifier="4344643327">
  <seer:title nativeScript="The evolution in geochemistry-3"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="34318"/>
</seer:journalArticle>
```

In part 2, for a journal article published in a journal not indexed by Scopus, the journal article must not have an EID.

### Example

The example below shows a journal article which, according to the extract from the PCE Journal List shown here, is published in a journal that is not indexed by Scopus. No EID is provided. This is correct.

ERA journal ID	Journal name	Scopus indexed
17517	Bulletin De L Academie Polonaise Des Sciences-Serie Des Sciences Techniques	No

```
<seer:journalArticle isSensitive="false" yearPublished="2005"
availableForPeerReview="true" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearAvailable="2006" yearPresented="2007" >
  <seer:title nativeScript="The evolution in geochemistry-2"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
  <seer:creators>
    <seer:creator orderInOutput="1" publishedName="Wynn,
Sydney"/>
    <seer:creator orderInOutput="2" publishedName="Short,
Walter"/>
  </seer:creators>
  <seer:staffCreators>
    <seer:staffCreator staffReference="U34343"/>
  </seer:staffCreators>
  <seer:rankedJournalOutlet eraJournalId="17517"/>
</seer:journalArticle>
```

The example below shows an EID for a journal article published in a non-indexed journal. This will generate an error which needs to be addressed before the submission can be finalised.

```
<seer:journalArticle isSensitive="false" yearPublished="2005"
availableForPeerReview="true" extent="47 pages" isTranslated="false"
journalIssue="21" journalVolume="2" otherLocation="Tokyo Library"
placeOfPublication="Tokyo" yearAvailable="2006" yearPresented="2007"
identifier="2-s2.0-27944461372">
  <seer:title nativeScript="The evolution in geochemistry-2"/>
  <seer:electronicLocations>
    <seer:electronicLocation
      repositoryLink="http://journalelectroniclocation/journalid=123
2" linkType="1" nonRepositoryJustification="Requires
Username/Password to access this data"/>
  </seer:electronicLocations>
```

```
<seer:creators>  
  <seer:creator orderInOutput="1" publishedName="Wynn,  
  Sydney"/>  
  <seer:creator orderInOutput="2" publishedName="Short,  
  Walter"/>  
</seer:creators>  
<seer:staffCreators>  
  <seer:staffCreator staffReference="U34343"/>  
</seer:staffCreators>  
<seer:rankedJournalOutlet eraJournalId="17517"/>  
</seer:journalArticle>
```

ID	Expression	Error/Warning
BR044	A creator published name must be submitted for each creator order in an output.	Error

### Example

```
<seer:creators>
  <seer:creator orderInOut="1" publishedName="Smith, Jane" />
  <seer:creator orderInOut="2" publishedName="Lester Clarke" />
</seer:creators>
```

ID	Expression	Error/Warning
BR046	A reference year within each research income item income years must only appear once in a submission to avoid potential duplicates.	Error

### Example

(eg HERDC Category 1: <seer:australianCompetitiveGrant>

```
<seer:australianCompetitiveGrant>
  <seer:incomeYears>
    <seer:incomeYear acgrCode="2005_03" referenceYear="2005"
      totalAmountReceived="50000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline apportionmentPerGroup="60"
          forGroupCode="1203"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
    <seer:incomeYear acgrCode="2006_02" referenceYear="2006"
      totalAmountReceived="10000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline apportionmentPerGroup="30"
          forGroupCode="1201"/>
        <seer:valueByDiscipline apportionmentPerGroup="20"
          forGroupCode="1205"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
    <seer:incomeYear acgrCode="2007_04" referenceYear="2007"
      totalAmountReceived="100000">
      <seer:grantIncomeByDiscipline>
        <seer:valueByDiscipline apportionmentPerGroup="50"
          forGroupCode="1904"/>
        <seer:valueByDiscipline apportionmentPerGroup="50"
          forGroupCode="1905"/>
      </seer:grantIncomeByDiscipline>
    </seer:incomeYear>
  </seer:incomeYears>
</seer:australianCompetitiveGrant>
```

<!-- eg HERDC Category 2: -->

```

<seer:otherPublicSectorIncome>
  <seer:otherIncomeYears>
    <seer:otherIncomeYear referenceYear="2005"
totalAmountReceived="1000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline apportionmentPerGroup="35"
forGroupCode="0201"/>
        <seer:valueByDiscipline apportionmentPerGroup="10"
forGroupCode="0202"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
    <seer:otherIncomeYear referenceYear="2006"
totalAmountReceived="12000">
      <seer:incomeByDiscipline>
        <seer:valueByDiscipline apportionmentPerGroup="40"
forGroupCode="0201"/>
        <seer:valueByDiscipline apportionmentPerGroup="50"
forGroupCode="0202"/>
        <seer:valueByDiscipline apportionmentPerGroup="10"
forGroupCode="0203"/>
      </seer:incomeByDiscipline>
    </seer:otherIncomeYear>
  </seer:otherIncomeYears>
</seer:otherPublicSectorIncome>

```