CASES21 & the 2021 Victorian Curriculum

Importing & Exporting Interface Specifications



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# Version History

| Date | Author | Comments |
| --- | --- | --- |
| 18 April 2017 | Bruno S. Stroehle | 2017 Victorian Curriculum |
| 24 April 2018 | Harvie H. Peralta | Added Victorian Curriculum and Assessment Authority (VCAA) updates for 2018  Modified sections:   * Section 1.2 Terminology * Section 1.4 Scope   + 1.4.1   + 1.4.2 * Section 3 Interface Requirements   + BR-01.04   + BR-01.05   + BR-01.07   + BR-01.09   + 3.2   + BR-03.01   + BR-03.05 * Appendices B, C, and D |
| 14 March 2019 | Harvie H. Peralta | Added 2019 Victorian Curriculum and Assessment Authority (VCAA) updates  Modified sections:   * Section 1.2 Terminology * Section 1.4 Scope   + 1.4.1   + 1.4.2 * Section 3 Interface Requirements   + 3.3 * Appendix D |
| 13 March 2020 | Michael Curtin | Added 2020 Victorian Curriculum and Assessment Authority (VCAA) updates  Modified sections:   * Section 1.2 Terminology * Section 1.4 Scope   + 1.4.1 * Section 3 Interface Requirements   + 3.1   + 3.2   + 3.3 * Appendix C * Appendix D |
| 29 March 2021 | Kate Dela Torre | Added 2021 Victorian Curriculum and Assessment Authority (VCAA) updates  Modified sections:   * Section 1.2 Terminology * Section 1.4 Scope   + 1.4.1   + 1.4.2 * Section 3 Interface Requirements   + 3.1   + 3.2   + 3.3   + 3.4 |

# Introduction

## Purpose

The purpose of this document is to:

* Define the specifications that 3rd party Student Reporting software will require to export student results in a format that will be recognised by the CASES21 import function.
* Define the specifications that 3rd party Student Reporting software will require to import student results and absences from the CASES21 export function.

## Terminology

| Term | Definition |
| --- | --- |
| CASES21 | The software component of the Computerised Administrative System Environment in Schools, the package provided to Victorian government schools to support school administration, finance and central reporting. |
| TJD | Teacher Judgement Data. |
| VC | Victorian Curriculum. |
| Subject | This term is being used to mean Curriculum Areas and Strands or Modes. |
| VC 2017 | Actual mandatory Victorian Curriculum for 2017 onwards. |
| VC 2021 | VCAA Updates for 2021. |
| PRS211 | CASES21 export message name for student information and prior scores. |
| PRS212 | CASES21 import message name for importing TJD from 3rd party reporting software. |
| PRS213 | CASES21 import message name for student absences. |

## Background

The Victorian Government reports on Teacher Judgement Data (TJD) as recorded in CASES21. As schools can use a 3rd party product to produce student achievement reports, these results for reporting purposes, must be entered into CASES21.

CASES21 provides an import facility allowing 3rd party student reporting software to be designed to produce a file according to CASES21 specifications. The file specifications are defined in this document, and will allow schools to import TJD into CASES21.

CASES21 provides two export processes to allow 3rd party student reporting software to import student and absence data for reporting.

## Scope

### Document Inclusions

This specification has been updated to include VC 2021 changes.

### Document Exclusions

* This document shall not explicitly list the Victorian Curriculum scores, scoring ranges, or achievement standards. These can be found in the document [Vendor Software Specifications Student Reporting 2021](https://www2.education.vic.gov.au/pal/reporting-student-achievement/resources).
* The scores and achievement areas that appear in the XSD file are a sample only. The aforementioned document is the source of truth for valid scores and achievement standards.

# Interface Requirements Summary

| ID | Description |
| --- | --- |
| IR-01 | PRS212 Specification |
| IR-02 | PRS211 Specification |
| IR-03 | PRS213 Specification |

# Interface Requirements

## IR-01 [PRS212 Interface Requirements]

### Description

PRS212 is the CASES21 file format used to import Teacher Judgement Data (TJD) into CASES21. 3rd party reporting software will have the capability to produce a file matching this format.

| ID | Requirement |
| --- | --- |
| BR-01.01 | PRS212: Importing data into CASES21 using PRS212 will update and insert only. Rows are not deleted. If the teacher incorrectly assigns a subject to a student that the student did not take, the school will need to log a call with the service desk to have it removed from CASES21. |
| BR-01.02 | PRS212: The following represents VC scores:  11.0, 10.5, 10.0, 9.5, 9.0, 8.5, 8.0, 7.5, 7.0, 6.5, 6.0, 5.5, 5.0, 4.5, 4.0, 3.5, 3.0, 2.5, 2.0, 1.5, 1.0, F.5, F, 0.5, D, C, B, A  The following represents VC EAL Scores:  A1.1, A1.2, A1.3, A2.1, A2.2, A2.3, BL.1, BL.2, BL.3, B1.1, B1.2, B1.3, B2.1, B2.2, B2.3. B3.1, B3.2, B3.3, CL.1, CL.2, CL.3, C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C3.1, C3.2, C3.3, C4.1, C4.2. C4.3  Refer to the XSD file for validation rules and the exact values required for import. |
| BR-01.03 | PRS212: Each curriculum area has a scoring range. These ranges are restrictive. You cannot provide a score for where there is no curriculum or an achievement standard. E.g. for VCTR2, CASES21 will not import a score outside the range 6.5 to 11.0. |
| BR-01.04 | PRS212: In addition to the scores in BR-01.02, the following exclusions can be imported using the <SCORE></SCORE> XML tags:   * NT * DNP-EX * DNP-LE * DNP-LP * DNP-SI * DNP-UN   The suffix to DNP represents the reason. For   * DNP-EX, the EX represents “Exemption from a Curriculum Area” * DNP-LP where LP represents “Low Participation” * DNP-LE where LE represents “Late Enrolment” * DNP-SI where SI represents “Serious Illness” * DNP-UN where UN represents “Absence without Reasonable Excuse” |
| BR-01.05 | PRS212: Import validation will be performed. An error report called KERROR21001 is produced by CASES21.  The following errors/warnings can be produced   | Import Error # | Error Description | | --- | --- | | 01 | The registration number is either null or does not match any current student. | | 02 | The school year data is either null or does not exist in CASES21. | | 03 | An individual curriculum area or strand or mode result is for a year.semesters that is not the same as the year.semester in the file header. | | 04 | A strand result uses a strand ID that does not exist in CASES21. | | 05 | A curriculum area result uses a curriculum reporting code that does not exist in CASES21. | | 06 | A curriculum area result does not have a strand or the strand is not from the appropriate curriculum. | | 07 | Only ENG, MAT, HPE, and EAL learning area results are allowed to have a strand or mode specified. | | 08 | A curriculum area result has an invalid score value. | | 09 | A campus value is null or does not exist in CASES21. | | 10 | A strand or mode result has an invalid score value. | | 11 | An otherwise valid strand score is not in the range of allowed scores for that strand. | | 12 | There are multiple curriculum area results for this combination of data. | | 13 | There are multiple strand results for this combination of data. | | 14 | Results prior to 2017.1 cannot be imported. |   XSD validation rules are enforced and errors will be displayed on the “Import Student Results” task screen in CASES21, not on the aforementioned KERROR21001 report.  Example: If an import score of 1.0 is specified, this will fail if the XSD validation expects a score of 1.00. |
| BR-01.06 | PRS212: If the student key has changed, this is reported on KERROR21001 as a warning and will not stop the import. |
| BR-01.07 | PRS212: File version validation. The version must be 10. |
| BR-01.08 | PRS212: Refer to Appendix B for the XSD file for XML file validation rules. |
| BR-01.09 | PRS212: Refer to Appendix C for a sample XML file. |

## 

## Breakdown of the PRS212 Message

| **PRS212 –- Header** | **Description** |
| --- | --- |
| <CASES21\_message name="PRS212" version="10">  <header>  <trntype>PRS212</trntype>  <from>SRP</from>  <to>CASES21</to>  <responsetype>SRP212</responsetype>  <requesttype>PRS212</requesttype>  <schoolentity>01</schoolentity>  <schoolnumber>9991</schoolnumber>  <trndate>2021-04-26</trndate>  <trntime>10:45:26</trntime>  </header> | <schoolentity>is always 01 for government schools.  These tags; school number, date and time are populated by 3rd party software:  <schoolnumber>  <trndate>  <trntime>  The version number is now 10 for PRS212 |
| **PRS212 – MESSAGE SPECIFICATIONS - Summary** |  |
| <body>  <summary YEAR\_SEMESTER="2021.1">  <nodomainresults>11</nodomainresults>  <nodimensionresults>19</nodimensionresults>  <YEAR\_SEMESTER>2021.1</YEAR\_SEMESTER>  </summary> | These tags are populated by 3rd party software. Dimension equates to strand and domain to curriculum area.  Enter the count of strands & curriculum area results, as well as the identifier for which year/semester the results apply to. |
| **PRS212 – MESSAGE SPECIFICATIONS – Student** | **This section is repeated for each student** |
| <student STKEY="MUR0046" REGISTRATION="6033" SCHOOL\_YEAR="03">  <REGISTRATION>6033</REGISTRATION>  <STKEY>MUR0046</STKEY>  <CAMPUS>1</CAMPUS>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR> | Student key, grade, campus, registration are available via the PRS211 Export Message from CASES21. |
| **VC Dimension specifications** |  |
| <studentresults>  <dimensionresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DIMENSION>VCERV</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>1.0</SCORE>  </dimensionresult> | For VC the <dimensionresult> tag applies to all VC subjects reported at strand or mode level only.  e.g. English, Maths, HPE, EAL  Each strand is defined as shown, where VCERV represents the unique reporting code for VC English Reading and Viewing |
| <dimensionresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DIMENSION>EALAREA</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>A1.1</SCORE>  </dimensionresult>  <dimensionresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DIMENSION>VCEW</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>1.0</SCORE>  </dimensionresult>  <dimensionresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DIMENSION>VCMNA</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>1.0</SCORE>  </dimensionresult> | More samples of English and Maths strands taken by a student |
| **VC Domain Results** |  |
| <studentresults>  <domainresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DOMAIN>VCHPE</DOMAIN>  <DIMENSION>VCHPEH</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>5.0</SCORE>  </domainresult>  <domainresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DOMAIN>VCHPE</DOMAIN>  <DIMENSION>VCHPEPE</DIMENSION>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>5.0</SCORE>  </domainresult>  <domainresult REGISTRATION="6033" YEAR\_SEMESTER="2021.1">  <DOMAIN>VCLVA</DOMAIN>  <SCHOOL\_YEAR>03</SCHOOL\_YEAR>  <SCORE>5.0</SCORE>  </domainresult>  </studentresults>  </student> | For VC the <domainresult> tag applies to all VC subjects reported at curriculum area level only. That’s all VC subjects other than English, EAL, Maths, and HPE.  e.g. VCHPE represents the unique reporting code for VC Health and Physical Education  NO dimension tag for a VC subject within a domain result tag  Under VC 2018, new reporting codes have been created:  VCHPEH (Health Education) replaces VCHPEP (Personal, Social and Community Health),  VCHPEPE (Physical Education) replaces VCHPEM (Movement and Physical Activity),  Code VCLVA replaces VCLVA1 |
| Closing Tags |  |
| </body>  </CASES21\_message> |  |

## IR-03 [PRS211 Interface Requirements]

### Description

PRS211 is the CASES21 file format used to export student data and prior scores for use in 3rd party reporting software.

| ID | Requirement |
| --- | --- |
| BR-03.01 | PRS211: All curriculum areas including English, Mathematics and EAL (VCE, VCM, ESA, ESB and ESS) will export the latest score from when that curriculum area was last reported.  For comparison purposes the prior result must be a numeric score.  NT and DNP-XX will only be displayed if it was recorded against a student and there is no prior numeric score. |
| BR-03.02 | PRS211: The exported file name is:  VC{year e.g. 2021}Sem{semester e.g. 1}Students.xml |
| BR-03.03 | PRS211: File version validation. The version must be 11. |
| BR-03.04 | PRS211: See Appendix D, or ask the school to provide an updated extract of this message. |

## IR-04 [PRS213 Interface Requirements]

### Description

PRS213 is the CASES21 file format used to export student absence data for use in 3rd party reporting software.

| ID | Requirement |
| --- | --- |
| BR-04.01 | PRS213: The exported file name is:  VC{year e.g. 2021}Sem{semester e.g. 1}Absences.xml |
| BR-04.02 | PRS213: No change. See appendix E or ask the school to provide an extract. |

# Appendix B: PRS212: XSD Sample File



# Appendix C: PRS212: XML Sample File



# Appendix D: PRS211: XML Sample File



# Appendix E: PRS213: XML Sample File

