

Information Technology Services

University System of Georgia Information Technology Services
Enterprise Data Management & Analytics



Test Plan

Academic Release 1.18

ADC Summer Mid-Term (MT) 20251

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Test Plan for Academic Release 1.18

Preparation for Testing

Academic Release 1.18 and Data Collections ETL (ZADMETL) 1.3 must be applied to your TEST database to prepare for testing. Please follow the steps below to prepare for testing the release:

Step 1

Apply Academic Release 1.18 to the Banner database using the parameters for Summer MT 20251.

Step 2

Setup and/or identify test cases for testing the extraction and editor.

Step 3

In Banner, run the Data Collection Extraction process (ZADMETL) from Banner Job Submission (GJAPCTL).

Step 4

Turn on the ITS version of GlobalProtect VPN. For download, install, and login instructions, email DW_Test@usg.edu.

Step 5

Run the USG Extract in the TEST environment using the following URL:

<https://appst.ds.usg.edu/ords/f?p=38576>

Step 6

Review the Data Submission Error report to validate changes included in the release in the Cognos TEST environment using the following URL:

<https://analyticst.ds.usg.edu/bi/>

Campus ETL Modification for Collection of Course Section Technology

Purpose

In prior collections, some institutions experienced failures in the Banner Data Collection Extraction (ZADMETL) process in certain scenarios where multiple course section technology types existed for a single course section. In addition, the ETL treated column COURSE_SECTION_TECHNOLOGY as a text character rather than a number when determining the largest course section technology value. This could have resulted in the collection of an incorrect course section technology value.

Functionality delivered with this release:

Academic Release 1.18 includes updates to Campus ETL logic to collect the correct primary course section technology value based on the primary indicator or, if absent, the largest course section technology percentage. This update will also prevent ZADMETL from failing when multiple course section technologies exist for a single course section.

Test Scenarios:

Test Scenario 1:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file to verify that all ZADMETL steps show status "SUCCESS".

Testing successful? (circle one) Yes / No

Test Scenario 2:

If ZADMETL completed successfully in Test Scenario 1, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Submission Status > Submission Summary > Submission Term: 20251 – MT > Course > Course Section (ods_admcrcs_section_mimic) > View / Download to review the Table Dump - Course Section report. Review a sample of courses to verify that the collected COURSE_SECTION_TECHNOLOGY value accurately reflects the course section data in your Banner database.

Testing successful? (circle one) Yes / No

Test Scenario 3:

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Course > Section (ods_admcrcs_section_mimic) > View / Download to view the Data Submission Errors report. Verify that the following validation error does not exist:

VSEC035: Course Section Technology must be a valid value.

Cognos Report Modification for Student Confidential Validation Errors

Purpose

While researching validation errors in prior collections, the absence of STU_INST_UID was noted in the Cognos error display for validation rule VSTE221. It was later found that this field is not present in the Cognos Data Submission Errors - All Details report for any Student Confidential (ODS_ADMSTU_CONFIDENTIAL_MIMIC) validations. The STU_INST_UID field, which is used by the Enterprise Data Management & Analytics team and certain institutional users to research validation errors, is present in the Data Submission Errors - All Details error reports for all other mimic tables.

Functionality delivered with this release:

Academic Release 1.18 includes modification to the Data Submission Errors - All Details report for Student Confidential (ODS_ADMSTU_CONFIDENTIAL_MIMIC) validations to add a column for the STU_INST_UID.

Test Scenarios:

Test Scenario 1:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file output for any errors. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Student > Confidential (ods_admstu_confidential_mimic). If Student Confidential errors are present, click on the number in the Error Count column to view the Data Submission Errors - Institution Errors report. For any Business Rule Code listed, click the number in the Total Errors column to see the Data Submission Errors – All Details report for that validation. Verify that the report includes a column for STU_INST_UID and that the column is populated.

Testing successful? (circle one) Yes / No

Test Scenario 2: Optional

If no Student Confidential errors exist in Test Scenario 1, you can trigger the following Student Confidential validation error by adding a number to the end of an enrolled student's last name in your institution's test Banner database:

VSTE188: Last Name must contain alpha data (non-numeric).

After adding a number to an enrolled student's last name, follow the steps in Test Scenario starting with re-running the ZADMETL process and then navigating through Cognos to view Data Submission Errors – All Details report for that validation and verify that the report includes a column for STU_INST_UID and that the column is populated.

Border State Waiver Validation

Purpose

Section 7.3.4.1 of the Board of Regents Policy Manual states that out of tuition can be waived, when approved by the Chancellor and Board of Regents' Committee on Academic Affairs, to "undergraduate students domiciled in another state bordering Georgia". Border State Resident waivers may not be awarded to graduate or professional students. A review of data in prior collections identified graduate students from two institutions who were awarded a Border State Resident waiver and a DBI was required to correct the waiver codes.

Functionality delivered with this release:

Academic Release 1.18 includes the creation of the following new validation rule under data element SWC001 - Fee Classification Code (Tuition and Fee Waivers):

VSWC004: A Border State Waiver (WBSR) can only exist for Student Level Indicator of US.

This validation will identify graduate and professional students who are awarded a waiver that is translated to Regents code WBSR on the Banner EDI Cross-Reference Rules (SOAXREF) page under translation label RGTDETC.

Test Scenarios:

Test Scenario 1:

In Cognos, generate a data element dictionary using the Data Dictionary > Download PDF option. Verify the changes to the following data element:

Fee Classification Code (Tuition and Fee Waivers) SWC001

- The Validation Rules section should display the following:
 - Status: Active
 - Severity: Error
 - Code: VSWC004
 - Description: A Border State Waiver (WBSR) can only exist for Student Level Indicator of US.
- The Change History should display the following:
 - ACADEMIC_TERM: 20251
 - CHANGE_DATE: Jun 4, 2024
 - CHANGE_NOTES: Added validation VSWC004. Updated Business Practices to add the link to BOR Policy 7.3.4. Removed "End" term from Effective Terms..

Testing successful? (circle one) Yes / No

Test Scenario 2:

In Banner, review existing translations under label 'RGTDETC' on the EDI Cross-Reference Rules (SOAXREF) page. Ensure that the only Banner detail codes translated to Regents (EDI) value 'WBSR' are institutional waiver codes for Border State Resident waivers.

Note: Institutional Banner detail codes for Border County Resident waivers should be translated to Regents (EDI) value 'WBCR – Border County Resident'.

Testing successful? (circle one) Yes / No

Test Scenario 3:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file output for any errors. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Student > Fee Classification (ods_admstu_fee_class_mimic). Verify that the following error does not exist:

VSWC004: A Border State Waiver (WBSR) can only exist for Student Level Indicator of US.

Testing successful? (circle one) Yes / No

Test Scenario 4: (Optional)

In Banner, temporarily edit an existing translation under label 'RGTDETC' on the EDI Cross-Reference Rules (SOAXREF) page that is used for graduate non-resident student waivers so that the Banner code is translated to Regents value 'WBSR'.

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file output for any errors. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Student > Fee Classification (ods_admstu_fee_class_mimic). Verify that the following error does not exist:

VSWC004: A Border State Waiver (WBSR) can only exist for Student Level Indicator of US.

Testing successful? (circle one) Yes / No

Note: If a translation was edited in Test Scenario 4, please be sure to revert the translation to the original Regents value.

Modification of Select Program Enrolled Validations

Purpose

In prior collections, Georgia State University and Kennesaw State University submitted tickets for issues with the following validation rule:

VSPE016: If M is submitted for Degree Level Code then the Student Level must be 72

A review of VSPE016 errors for both schools showed that the validation was firing in error for records with Field of Study Category 'Concentration' in addition to the expected records for 'Major'. An additional review of similar validation rules showed that the following validations also fired for Concentration records in error:

VSPE008: If D is submitted for Degree Level Code then the Student Level must be 76

VSPE017: If S is submitted for Degree Level Code then the Student Level must be 74

These errors should fire only for Field of Study Category 'Major'.

Functionality delivered with this release:

Academic Release 1.18 includes modification to the following validation rules so that they only fire for Field of Study Category 'Major':

VSPE008: If D is submitted for Degree Level Code then the Student Level must be 76

VSPE016: If M is submitted for Degree Level Code then the Student Level must be 72

VSPE017: If S is submitted for Degree Level Code then the Student Level must be 74

Please note that additional issues these validation rules are being investigated. These issues are the result of the Academic Data Collection collecting the highest Student Level for an enrolled student. If a student is enrolled in more than one graduate program at different Degree Level Codes, such as a Masters and a Professional program, these validations will fire for the Degree Level Code that does not match the collected Student Level.

Test Scenarios:

Test Scenario 1:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file output for any errors. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Student > Program Enrolled (ods_admstu_prog_enroll_mimic) to review the Data Submission Errors – Institution Errors report.

Verify that the following errors do not exist for FOS_CATEGORY 'CONCENTRATION':

Modification of VSTE011 Logic

Purpose

In the Fall Mid-Term 20242 Academic Data Collection, Georgia College and State University submitted a ticket to report that high school GPAs for new traditional freshmen had not been pushed to Banner from their third-party CRM. GCSU requested a new validation rule to help identify freshmen without a GPA. A review of existing validation rules indicated that the following validation should have fired when the High School Diploma Type and High School GPA are both null:

VSTE011: If matriculation date is equal to or greater than 20031, then If Admit Type is "FR" Traditional Freshman (but the High School Code does not equal "NNNNNN" and High School diploma Type does not equal "HS" or "GD"), the High School GPA cannot be null.

Research found that this validation did not evaluate records where the High School Diploma Type is null and the validation did not fire when both the High School Diploma Type and High School GPA were both null.

Functionality delivered with this release:

This change includes modification of validation rule VSTE011 to evaluate null High School Diploma Types so the validation will fire when the following validation criteria are met:

- Matriculation Term is greater than or equal to 20031
- Admit Type is 'FR' (traditional freshman)
- High School Code is not 'NNNNNN'
- High School Diploma Type does not equal "HS" or "GD" -or- High School Diploma Type is null
- High School GPA is null

Test Scenarios:

Test Scenario 1:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file output for any errors. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20251 – MT > Student > Enrollment (ods_admstu_ste_attr_mimic) to review the Data Submission Errors – Institution Errors report.

If the following validation is present, verify that it fired correctly:

VSTE011: If matriculation date is equal to or greater than 20031, then If Admit Type is "FR" Traditional Freshman (but the High School Code does not equal "NNNNNN" and High School diploma Type does not equal "HS" or "GD"), the High School GPA cannot be null.

Signature

Title

Appendix A: Document Change History

This section details the history of the document and updates made for each modification.

Release and Date	Form/Process	Page	Update Description
April 25, 2024	N/A	N/A	Initial release of beta test plan.
May 28, 2024			Release of production test plan.