

Test Plan for Academic Release 1.2.17

This Test Plan is to be used for certifying the following changes:

- No Cost and Low Cost Materials Course Attributes
- Test Scores
- Inactivation of Validation for UCOL Student Attribute
- GPA Precision Validations
- Campus Housing Validation
- Prior College Indicator Column Removal

General Testing Instructions

Testing should be performed to validate the functionality being delivered with this release. In order to test this release thoroughly, we ask that you not only follow your normal business practices and processes to see if the modification runs correctly, but please try multiple scenarios that you might not encounter often in an effort to identify any anomalies in the process.

Support for Testing

For support during testing, contact the Data Services Academic team:

- Email: DW_Test@usg.edu

For emergency, business interruptions or production down situations, call the ITS Helpdesk immediately

- 706-583-2001
- Toll-free within Georgia: 1-888-875-3697

Preparation for Testing

The ADC 1.2.17 release must be applied to your Test database used to prepare for testing. Please follow the steps below to prepare for testing the release:

Step 1

Apply the ADC 1.2.17 release to the Banner database using the parameters for Summer MT 2018.

Step 2

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

Step 3

Run the Banner ADC extract process ZADMETL from Banner Job Submission (GJAPCTL).

Step 4

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

<https://apps.tst.usg.edu/ords/f?p=38576>

Step 5

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

<https://analytics.tst.usg.edu/cognos/cgi-bin/cognos.cgi>

No Cost and Low Cost Materials Course Attributes

Purpose: To collect information regarding sections of courses whose course materials exclusively consist of no cost (open or free textbooks) or low cost (\$40 and under) course materials at the point of registration.

Functionality being delivered with this release: Collection of the following course section attributes:

- ZNCM (No cost: \$0 required costs)
- ZLCM (Low cost: \$40 or under required cost)

For more information regarding setting up and maintaining course section attributes, refer to the Business Practice entitled No Cost and Low Cost Materials Course Attributes Business Practice located at https://www.usg.edu/georgia_best/application_development_and_support/business_processes.

Note: the following No Cost and Low Cost Materials Course Attribute validations are new but do not require further testing or beta testing. The added validations are listed below:

VSEC038 - Course Section attribute must be one of the BOR Valid Values.

VSEC041 - A Course Section must exist if a course Section attribute is submitted.

The required values listed below will need to be added to Attribute Validation (STVATTR).

Banner Code	Description
ZNCM	No cost: \$0 required costs
ZLCM	Low cost: \$40 or under required cost

Testing Scenario One: Without making any changes to course section attributes (do not establish the ZNCM or ZLCM attributes), run the ZADMETL process, then run the ADC extraction. The following validation error should be received.

VSEC040 - Institution must submit Low Cost/No Cost attributes.

Testing successful? (circle one) Yes/No

Note: Although no cost and low cost materials course attributes are optional for Summer 20191, they are included in the Summer 20191 release. If no cost and low cost attributes are not submitted for Summer 2018 (20191), they will be shown as a known issue in the error report, not an error. If no cost and low cost attributes are submitted for Summer 2018 (20191), they will be validated the same as they will for Fall 2018 (20192) when the new attributes will be required.

Testing Scenario Two: On Schedule Detail (SSAETL), assign both ZNCM and ZLCM attributes to a few course sections. Confirm that students are registered in these courses. Run the ZADMETL process, then run the ADC extraction. Verify that the following error is received for those courses.

VSEC039 - A Course Section cannot have both ZNCM and ZLCM attributes.

Testing successful? (circle one) Yes/No

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

Test Scores

Purpose: It was discovered that incorrect values were being pulled in some cases due to the field being a character field and not a numeric field. When selecting the highest test score for certain test codes that have numeric values, the highest value may not be selected—especially if the score range crosses a digit threshold, such as 3 digits to 4 digits (i.e., 400-1600).

When selecting the highest test score for certain test codes that have alphanumeric values, the highest value may not be selected. For example, if a student has scores of 800 and 1100, the lower score of 800 is pulled and not the correct score of 1100. If the test score fields being compared are all zero padded (i.e., 0800 and 1100), the correct test score will be collected.

Functionality being delivered with this release: Alphabetic scores (normalized to the same case) and numeric scores have been separated and sorted correctly based on type.

Note: Set up a score with zero padding and without zero padding and then verify the correct score was pulled.

Testing Scenario One: Identify or modify a group of students on SOATEST with test scores from the list in the Appendix. Run the ZADMETL process, then run the ADC extraction. Verify the students were pulled in the extraction in the following report: Submission Summary > Student > Test Results (ods_admstu_test_results_mimic). Verify that the highest score was pulled for each student.

Testing successful? (circle one) Yes/No

Testing Scenario Two: Identify or modify a group of students with S10 (SAT Total Score) test scores on SOATEST. Ensure that there are a variety of scores (i.e., above and below 1000). Run the ZADMETL process, then run the ADC extraction. Verify that the correct score was pulled for each student in the following report: Submission Summary > Student > Test Results (ods_admstu_test_results_mimic).

Testing successful? (circle one) Yes/No

Testing Scenario Three: Identify or modify a group of students with alphabetic scores. Assign each test student two or more alphabetic scores for the same test code. Run the ZADMETL process, then run the ADC extraction. Verify that the scores are correct for each student.

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

Inactivation of Validation for UCOL Student Attribute

Purpose: The ADC collected information regarding students participating in University College at certain institutions. If the attribute wasn't ended or removed after students began their Junior year, the ADC submission flagged the record as an error. This validation was only active for Augusta University, Armstrong State University and Savannah State University.

Functionality being delivered with this release: Inactivation of validation regarding UCOL Student Attribute.

Edit to be inactivated: VSTE224 – If student is submitted with the UCOL attribute then student level must be 30 or below.

For more information regarding the maintenance of student attributes, refer to the Maintaining Student Attributes Business Practice located at https://www.usg.edu/georgia_best/application_development_and_support/business_processes.

Testing Scenario: Identify a group of test students with the UCOL attribute who are Freshmen, Sophomore, Junior, or Senior by adding the UCOL attribute on Additional Student Information (SGASADD). Run the ZADMETL process, and then run the ADC extraction. Verify that none of the students received the above error.

Testing successful? (circle one) Yes/No

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

GPA Precision Validations

Purpose: The GPA Precision enhancement in the Spring 2018 MT collection increased the length of the GPA fields from Banner collected by the ADC. For example, a GPA of 3.894736842 in Banner will be extracted as 3.894736842, not 3.89. However, this presented a problem with the validation since GPAs can be higher than 4.00.

Functionality being delivered with this release: The first two decimal places of the GPA will be evaluated, not the entire GPA. Validations related to GPA Precision have been modified. A complete list of GPA Precision related validations is provided in the Appendix.

GPA Precision modified the columns in the ODS tables listed below. Identify students who have Banner GPAs of 4.00 or greater in any one of the following fields.

- Cumulative (ods_admgrad_student_mimic)
 - ODS_ADMGRAD_STUDENT.INST_CUM_GPA
 - ODS_ADMGRAD_STUDENT.CUM_TRANSFER_GPA
 - ODS_ADMGRAD_STUDENT.CUM_HOPE_GPA
 - ODS_ADMGRAD_STUDENT.USG_CUM_GPA

- Cumulative (ods_admstu_enr_cum_mimic)
 - ODS_ADMSTU_ENR_CUM.INST_CUM_GPA
 - ODS_ADMSTU_ENR_CUM.CUM_TRANSFER_GPA
 - ODS_ADMSTU_ENR_CUM.CUM_HOPE_GPA
 - ODS_ADMSTU_ENR_CUM.USG_CUM_GPA

- Transfers (ods_admstu_transfer_mimic)
 - ODS_ADMSTU_TRANSFER.STUDENT_TRANSFER_GPA

There is no setup in Banner for testing GPA Precision. Use Cognos reports to verify results and to view the error reports.

Testing Scenario: Run the ZADMETL process, and then run the ADC extraction. Verify the students with GPAs greater than 4.00 were pulled in the extraction by viewing the reports listed above. Check the error reports to verify no errors related to GPA Precision are listed. For reference, please see the list of validations in the Appendix.

Testing successful? (circle one) Yes/No

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

Campus Housing Validation

Purpose: When the Housing Amount elements, HOUSING_IND and HOUSING_AMT, was added to the Spring MT collection (20184), no new validations were added to ensure the inclusion of this information for institutions that offer housing.

Functionality being delivered with this release: A new validation has been added to the Academic Data Collection that requires that the Housing Amount column must contain data for students utilizing housing offered by institutions.

New Validation: VSTE296 - Housing Amount must be greater than zero for an institution.

Note: This Validation doesn't apply to Atlanta Metropolitan State College, Pre-Consolidated Bainbridge State College, and Georgia Highlands College.

Testing Scenario: If translated values (non-standard codes) for Housing exist (RGTHCAT and RGTHDTL on SOAXREF), remove the mappings, so no Housing information will be pulled. Run the ZADMETL process, then run the ADC extraction. Verify no housing information was pulled. HOUSING_IND should be N for all students in the Enrollment (ods_admstu_ste_attr_mimic) report in Cognos. Also, look for VSTE296 in the Submission Summary error reports for Enrollment (ods_admstu_ste_attr_mimic).

Testing successful? (circle one) Yes/No

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

Prior College Indicator Column Removal

Purpose: The Prior College Indicator column was not collected, and ITS removed the empty column from the following tables:

- ODS_ADMSTU_TRANSFER_MIMIC
- PDC_ADMSTU_TRANSFER_MIMIC

Functionality being delivered with this release: The PRIOR_COLLEGE_IND column has been dropped.

Testing Scenario: Run the ZADMETL process, then run the ADC extraction. Using Cognos, view the following reports:

- Submission Summary > Transfers (ods_admstu_transfer_mimic)

The PRIOR_COLLEGE_IND should not appear in the reports.

Testing successful? (circle one) Yes/No

If testing was unsuccessful, please explain issues, in detail, here:

Signature _____

Title _____

Appendix

GPA Precision Related Validations

Validation	Description
VSGC005	Cumulative Transfer GPA must be 4.00 or less for all schools, except Georgia State University and the University of Georgia.
VSGC006	Cumulative Transfer GPA must be 4.30 or less for Georgia State University and the University of Georgia.
VSGC007	Hope GPA must be in the range 0.00 - 4.00 or null.
VSGC021	Institutional Cumulative GPA must be 4.00 or less for everyone but Georgia State University and the University of Georgia.
VSGC024	USG Cumulative GPA must be 4.00 or less for everyone but Georgia State University and the University of Georgia.
VSGC025	USG Cumulative GPA must be 4.30 or less for Georgia State University and the University of Georgia.
VSGC029	Cumulative Overall GPA must be in the range 0.00-4.00 (if not null). (Excludes Georgia State).
VSGC030	Cumulative Overall GPA must be in the range 0.00-4.30 (if not null). (Georgia State only).
VSTE002	If matriculation date is before 20031, then If the High School Code is not null, the High School GPA must be between 0.00 and 4.00, or equal to 4.44, 7.77, 8.88 or 9.99. (Exclude Georgia Tech)
VSTE003	If matriculation term is before 20031, then If the High School Code is not null, the High School GPA must be between 0.00 and 4.50, and in the format ### or equal to 4.44, 7.77, 8.88 or 9.99. (Georgia Tech only)
VSTE007	If matriculation date is equal to or greater than 20031, then If the High School Code is not null, the High School GPA must be between 0.00 and 4.00. (Exclude Georgia Tech)
VSTE008	If matriculation date is equal to or greater than 20031, then If the High School Code is not null, the High School GPA must be between 0.00 and 4.50. (Georgia Tech only)
VSTE101	Cumulative Transfer GPA, Undergraduates must be numeric and in the range 0.00-4.00 if it is not null.
VSTE133	Cum Hope GPA must be in the range 0.00 - 4.00 or null.
VSTE146	Institutional Cumulative GPA must be in the range 0.00 - 4.00 (if not null). (Excludes Georgia State and the University of Georgia)
VSTE147	Institutional Cumulative GPA must be in the range 0.00 - 4.30 (if not null). (Valid only for Georgia State University and the University of Georgia)
VSTE262	USG Cumulative GPA must be numeric and in the range 0.00-4.00 if it is not null. (Excludes Georgia State and the University of Georgia)

VSTE263	USG Cumulative GPA must be numeric and in the range 0.00-4.30 if it is not null. (Valid only for Georgia State University and the University of Georgia)
VSTE279	Previous Degree GPA must be numeric and in the range 0.00-4.00 if it is not null.
VSTE282	Institutional Term GPA must be in the range 0.00-4.00 (if not null). (Excludes Georgia State)
VSTE283	Institutional Term GPA must be in the range 0.00-4.30 (if not null). (Georgia State only)
VSTE285	Cumulative Overall GPA must be in the range 0.00-4.00 (if not null). (Excludes Georgia State).
VSTE286	Cumulative Overall GPA must be in the range 0.00-4.30 (if not null). (Georgia State only).
VSTT002	Transfer GPA must be from 0 - 4
VSTT003	Georgia State University and the University of Georgia, must have a Transfer GPA between 0-4.3 and cannot be null if transfer FICE present.

Test Scores

Numeric Scores

Test Code	Range of Test Score	Test Code Description	Test Code Component Description
A01	01-36	ACT	English
A02	01-36	ACT	Math
A03	01-36	ACT	Reading
A04	01-36	ACT	Science Reasoning
A05	01-36	ACT	Composite
A07	01-36	ACT	Combination Writing and Essay
A08	02 - 12	ACT	Essay
A09	02 - 12	ACT	ACT Writing Domain Ideas and Analysis
A10	02 - 12	ACT	ACT Writing Domain Development and Support
A11	02 - 12	ACT	ACT Writing Domain Organization
A12	02 - 12	ACT	ACT Writing Domain Language Use & Conventions
A15	00 - 99	ACT	ACT Production of Writing
A16	00 - 99	ACT	ACT Knowledge of Language
A17	00 - 99	ACT	ACT Conventions Standard English
A18	00 - 99	ACT	ACT Preparing for Higher Math
A19	00 - 99	ACT	ACT Number and Quantity
A20	00-99	ACT	ACT Algebra
A21	00-99	ACT	ACT Functions
A22	00-99	ACT	ACT Geometry
A23	00-99	ACT	ACT Statistics and Probability
A24	00-99	ACT	ACT Integrating Essentials Skills
A25	00-99	ACT	ACT Modeling
A26	00-99	ACT	ACT Key Ideas and Details
A27	00-99	ACT	ACT Craft and Structure
A28	00-99	ACT	ACT Integration of Knowledge and Ideas
A29	00-99	ACT	ACT Interpretation of Data
A30	00-99	ACT	ACT Scientific Investigation
A31	00-99	ACT	ACT Evaluation of Models, Inferences and Experimental Results
A32	02-12	ACT	ACT Writing Subject Score 2016
GMATQ	00 - 60	GMAT Test Score	Quantitative
GMATV	00 - 60	GMAT Test Score	Verbal
GR04	0.0 – 6.0	GRE Test	Analytical (Spring 2003 and Forward)
HSETM	01-20	GED Test	HiSET Mathematics
HSETR	01-20	GED Test	HiSET Language Arts-Reading
HSETSC	01-20	GED Test	HiSET Science

HSETSS	01-20	GED Test	HiSET Social Science
HSETW	01-20	GED Test	HiSET Language Arts-Writing
IELL	0.0 - 9.0	English Proficiency	IELTS Listening
IELO	0.0 - 9.0	English Proficiency	IELTS Overall Score
IELS	0.0 - 9.0	English Proficiency	IELTS Reading
IELW	0.0 - 9.0	English Proficiency	IELTS Speaking
MAT	000 - 100, or 200 - 600	MAT Test Score	Total Score
MCATBS	01 - 15	MCAT Test Score	Biological Sciences
MCATPS	01 - 15	MCAT Test Score	Physical Sciences
MCATVR	01 - 15	MCAT Test Score	Verbal Reasoning
MELABG	000-100	English Proficiency	MELAB GCVR
MELABL	000-100	English Proficiency	MELAB Listening
MELABO	00-99	English Proficiency	MELAB Overall
MELABW	00-97	English Proficiency	MELAB Writing
S08	00 - 12	SAT	Essay Subscore
S10	400 - 1600	SAT	Total Score
S18	01 - 15	SAT	Words in Context Sub-score
S19	01 - 15	SAT	Command of Evidence Sub-score
S20	01 - 15	SAT	Expression of Ideas Sub-score
S21	01 - 15	SAT	STD ENG Conventions Sub-score
S22	01 - 15	SAT	Heart of Algebra Sub-score
S23	01 - 15	SAT	Advanced Mathematics
S24	01 - 15	SAT	PROB SOLV/DATA Sub-score
TOIBTL	00-30	English Proficiency	TOEFL (ibt) Listening
TOIBTO	000-120	English Proficiency	TOEFL (ibt) Overall
TOIBTR	00-30	English Proficiency	TOEFL (ibt) Reading
TOIBTS	00-30	English Proficiency	TOEFL (ibt) Speaking
TOIBTW	00-30	English Proficiency	TOEFL (ibt) Writing

Alphabetic Scores

Test Code	Range of Test Score	Test Code Description	Test Code Component Description
AIGCSE	A – U (A is the highest score)	English Proficiency	Excludes admit types TR, TL, TP, NT, TP, TN, AU and PB.
CIEO	A – G (A is the highest score)	English Proficiency	Excludes admit types TR, TL, TP, NT, TP, TN, AU and PB.
UKGCE	A – E (A is the highest score)	English Proficiency	Excludes admit types TR, TL, TP, NT, TP, TN, AU and PB.
UKGCSE	A – G (A is the highest score)	English Proficiency	Excludes admit types TR, TL, TP, NT, TP, TN, AU and PB.
MCATWS	J - T (T is the highest score)	MCAT Test Score	Writing Sample