

# Information Technology Services

University System of Georgia Information Technology Services

**Data & Reporting Services**

## **Test Plan**

**Academic Release 1.14**

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## Test Plan for Academic Release 1.14

### Preparation for Testing

Academic Release 1.14 and Data Collections ETL (ZADMETL) 1.3 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 Academic Release 1.14 to the Banner database using the parameters for Spring MT 20234.

#### **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](mailto: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/>

## Instruction Type Code

### Purpose

In a prior Banner Baseline release, Ellucian deprecated STVSCHD\_INSTRUCT\_METHOD, the source column for Section Instruction Type Code (SEC008) and Session Instruction Type Code (SES006) and replaced it with STVSCHD\_INSM\_CODE.

In Academic Release 1.2.9, the source of Section Instruction Type Code (SEC008) in the Campus ETL was changed from STVSCHD\_INSTRUCT\_METHOD to STVSCHD\_INSM\_CODE, but the source for Session Instruction Type (SES006) was not changed.

### Functionality delivered with this release:

Academic Release 1.14 includes an update to the Campus ETL logic for Session Instruction Type Code (SES006) to use STVSCHD\_INSM\_CODE in place of STVSCHD\_INSTRUCT\_METHOD, which was deprecated in a prior Banner baseline release.

The following tables and columns on the institution database (USGQUEST) and warehouse (USGODS) have been modified to increase the column width to match the column width of the data source in Banner:

- ODS\_ADMCRS\_SECTION\_MIMIC
  - SECTION\_INSTRUCTION\_TYPE
- ODS\_ADMCRS\_CLS\_SESSION\_MIMIC
  - SESSION\_INSTRUCTION\_TYPE\_CODE

The Data Element Dictionary was updated to correct and clarify the data source for the following data elements:

- Section Instruction Type Code (SEC008)
- Session Instruction Type Code (SES006)

### Test Scenarios:

#### Test Scenario 1: Data Element Dictionary (DED)

In Cognos, generate a data element dictionary using the Data Dictionary > Download PDF option.

Verify the listed changes to the following data elements:

#### Section Instruction Type Code (SEC008)

- The data source section should display:
  - Provider: Banner
  - Table: STVSCHD
  - Column: STVSCHD\_INSM\_CODE
  - GUI Name: STVSCHD / SSASECT
  - GUI Label: STVSCHD Instructional Method where STVSCHD Code = SSASECT Schedule Type

- SOAXREF Translation Code: RGTSCHD
- The Change History section should display:
  - Academic Term: 20234
  - Change Date: Jan 27, 2023
  - Change Notes: Updated GUI Name and GUI Label.

### **Session Instruction Type Code (SES006)**

- The data source section should display:
  - Provider: Banner
  - Table: STVSCHD
  - Column: STVSCHD\_INSM\_CODE
  - GUI Name: STVSCHD / SSASECT
  - GUI Label: STVSCHD Instructional Method where STVSCHD Code = Schedule Type on SSASECT > Meeting Times and Instructor > Times and Instructors > Meeting Location and Credits
  - SOAXREF Translation Code: RGTSCHD
- The Change History section should display:
  - Academic Term: 20234
  - Change Date: Jan 27, 2023
  - Change Notes: Updated GUI Name and GUI Label.

**Testing successful? (circle one) Yes / No**

### **Test Scenario 2: Column Resize (ZADMETL and ADC Extraction)**

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.

If no errors were received on the following steps of the ZADMETL process or ADC extraction, testing for this step is successful:

- ODS\_ADMCRS\_SECTION\_MIMIC
- ODS\_ADMCRS\_CLS\_SESSION\_MIMIC

**Testing successful? (circle one) Yes / No**

### **Test Scenario 3: SECTION\_INSTRUCTION\_TYPE**

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.

In Cognos, navigate to Submission Status > Submission Summary > Submission Term: 20234 – MT > Course > Section (*ods\_admcrs\_section\_mimic*). Click the View / Download link to view the Table Dump – Course Section report.

For a sample of courses, review to ensure that the SECTION\_INSTRUCTION\_TYPE data matches data for Spring in your test database. **See Appendix A for additional information on the source of SECTION\_INSTRUCTION\_TYPE.**

Please check a variety of the following codes as listed in the Valid Values section of the Data Element Dictionary entry for Section Instruction Type Code (SEC008):

Code	Description
10	Lecture
11	Lecture/Supervised Laboratory/Clinic
12	Lecture/Unsupervised Laboratory/Clinic
20	Seminar
30	Supervised Laboratory/Clinic
40	Unsupervised Laboratory/Clinic
50	Independent Study
55	Directed Study
57	Asynchronous Instruction
60	Practice Teaching
81	Internship/Practicum
91	Thesis
92	Dissertation

Note: If your institution uses non-standard codes on the Banner Schedule Type Code Validation (STVSCHD) page, the non-standard codes must be translated to valid Regents codes on the EDI Cross-Reference Rules (SOAXREF) page translation label 'RGTSCHD'. **See Appendix C for more information on SOAXREF label RGTSCHD.**

**Testing successful? (circle one) Yes / No**

### Test Scenario 4: SESSION\_INSTRUCTION\_TYPE\_CODE

In Cognos, navigate to Submission Status > Submission Summary > Submission Term: 20234 – MT > Course > Class Session (*ods\_admcrcs\_cls\_session\_mimic*). Click the View / Download link to view the Table Dump – Course Class Session report.

For a sample of courses, review to ensure that the SESSION\_INSTRUCTION\_TYPE\_CODE data matches data for Spring in your test database. **See Appendix B for additional information on the source of SESSION\_INSTRUCTION\_TYPE\_CODE.**

Please check a variety of the following codes as listed in the Valid Values section of the Data Element Dictionary entry for Session Instruction Type Code (SES006):

Code	Description
10	Lecture
11	Lecture/Supervised Laboratory/Clinic
12	Lecture/Unsupervised Laboratory/Clinic
20	Seminar

30	Supervised Laboratory/Clinic
40	Unsupervised Laboratory/Clinic
50	Independent Study
55	Directed Study
57	Asynchronous Instruction
60	Practice Teaching
81	Internship/Practicum
91	Thesis
92	Dissertation

Note: If your institution uses non-standard codes on the Banner Schedule Type Code Validation (STVSCHD) page, the non-standard codes must be translated to valid Regents codes on the EDI Cross-Reference Rules (SOAXREF) page translation label 'RGTSCHD'. **See Appendix C for more information on SOAXREF label RGTSCHD.**

Testing successful? (circle one) Yes / No

### Test Scenario 5: Validation Errors

In Cognos, navigate to Data Submission Errors > Institution Summary. Review errors under the Course/Section and Course/Class Session sections.

If any of the following validation errors were received, please verify that the data listed in the validation rule Attribute Content in Cognos matches data in your test database, that the errors fired correctly and that you are able to resolve the errors:

- VSEC008 - If Section Location Code is A, B, D, or E and Section Instruction Type Code is 10 then all associated Session Instruction Type Code values must be anything other than 30 or 40.
- VSEC013 - If Section Location Code is A, B, D, or E and Section Instruction Type code is 30 or 40, all associated Session Instruction Type Code must also be 30 or 40.
- VSEC025 - If Section Instruction Type code is not null then it must be a valid code.
- VSEC026 - If Section Location Code is B or E then Section Instruction Type Code Cannot be null.

Testing successful? (circle one) Yes / No

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

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## Appendix A: Data Source – Section Instruction Type Code

### Section Instruction Type Code (SEC008)

Section Instruction Type Code (SECTION\_INSTRUCTION\_TYPE) is the Instruction Method from the Banner Schedule Type Code Validation page (STVSCHD) where the STVSCHD Code = Schedule Type on the Banner Schedule page (SSASECT).

In the example below, the Schedule Type on SSASECT for CRN 20141 is 'A'.

Term: 202202 CRN: 20141 Subject: CHEM Course: 1152 Title: Survey of Chemistry II

Course Section Information

Subject: CHEM CHEMISTRY Campus: A Main Campus Grade Mode: N Normal

Course Number: 1152 Status: A Active Session: A On campus, in assigned space

Title: Survey of Chemistry II Schedule Type: A Lecture

Section: 01 Instructional Method: 10

SSBSECT.SBSECT\_SCHD\_CODE (1)

The collected SECTION\_INSTRUCTION\_TYPE value in this example is the Instructional Method for STVSCHD Code 'A', which is '10'.

Code *	Description *	Instructional Method	Automatic Scheduler	Co-op Assignment Allowed	Voice Respor
A	Lecture	10	<input type="checkbox"/>	<input type="checkbox"/>	
B	Lecture/Supervised Lab/Clinic	11	<input type="checkbox"/>	<input type="checkbox"/>	
C	Lecture/Unsupervise Lab/Clinic	12	<input type="checkbox"/>	<input type="checkbox"/>	
D	Seminar	20	<input type="checkbox"/>	<input type="checkbox"/>	
E	Supervised Laboratory	30	<input type="checkbox"/>	<input type="checkbox"/>	

STVSCHD.STVSCHD\_INSM\_CODE (1)

## Appendix B: Data Source – Session Instruction Type Code

### Session Instruction Type Code (SES006)

Session Instruction Type Code (SESSION\_INSTRUCTION\_TYPE\_CODE) is the Instruction Method from the Banner Schedule Type Code Validation page (STVSCHD) where the STVSCHD Code = Schedule Type on the SSASECT Meeting Location and Credits tab.

In the example below, the Schedule Types for CRN 20114 on the Meeting Location and Credits tab of SSASECT are 'B' and 'E'.

Automatic Scheduler	Building	Room	Schedule Type *	Hours per Week *	Override Indicator	Session Credit Hours	Partition Details
	0014	305	B	2.50		4.000	<input type="checkbox"/>
	0014	305	E	1.83		0.000	<input type="checkbox"/>

The collected SESSION\_INSTRUCTION\_TYPE\_CODE values in this example will be the Instructional Method for STVSCHD Code 'B', which is '11' and STVSCHD Code 'E', which is '30'.

Code *	Description *	Instructional Method	Automatic Scheduler	Co-op Assignment Allowed	Voice Respon
A	Lecture	10	<input type="checkbox"/>	<input type="checkbox"/>	
B	Lecture/Supervised Lab/Clinic	11	<input type="checkbox"/>	<input type="checkbox"/>	
C	Lecture/Unsupervised Lab/Clinic	12	<input type="checkbox"/>	<input type="checkbox"/>	
D	Seminar	20	<input type="checkbox"/>	<input type="checkbox"/>	
E	Supervised Laboratory	30	<input type="checkbox"/>	<input type="checkbox"/>	
F	Unsupervised Laboratory	40	<input type="checkbox"/>	<input type="checkbox"/>	

## Appendix C: SOAXREF Translation Label RGTSCHD

If non-standard values are used on the Schedule Type Validation Page (STVSCHD), these values must be translated to valid Regents values under SOAXREF label RGTSCHD.

In the example below, STVSCHD code 'B' is translated to '99' which is not a valid value for Section or Session Instruction Type Code.

Code *	Description *	Instructional Method
A	Lecture	10
B	Lecture/Supervised Lab/Clinic	99
C	Lecture/Unsupervise Lab/Clinic	12
D	Seminar	20

The Banner value must be translated to a valid Regents value on SOAXREF label RGTSCHD. In this example, Banner value '99' is translated to Electronic Value '11' which is the correct Regents value for 'Lecture/Supervised Laboratory/Clinic'.

Electronic Label *	Electronic Qualifier	Electronic Value *	EDI *	Web *	XML *	Banner Value	Description
RGTSCHD		11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	99	Lecture/Supervised Lab/Clinic