

# Banner 9

## ZSPNCBL/ZSPFCBL

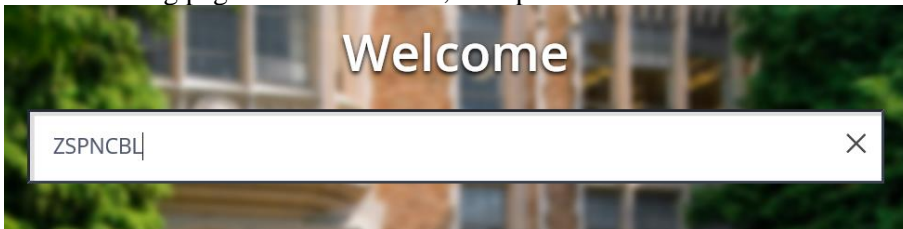
ZSPNCBL and ZSPFCBL are job-submission processes that create the customer.dat and/or balance.dat files for the Nebraska/Follett Bookstore Interface.

ZSPNCBL – is for Nebraska Schools.  
ZSPFCBL – is for Follett Schools.

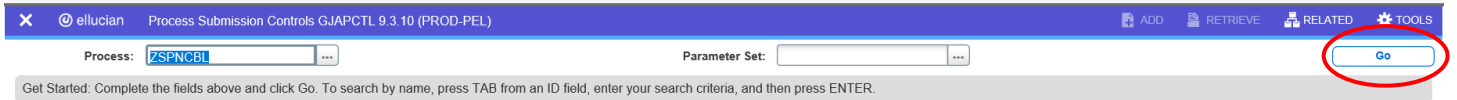
Use DATABASE to review the .lis and .log files or enter a printer to print the files. This process can also be used with a cron process that will run this program at set times during a set period. Get with your BPL if you are interested in having those processes set up.

In this example we will be using ZSPNCBL (Nebraska)


On the landing page enter ZSPNCBL, then press enter.



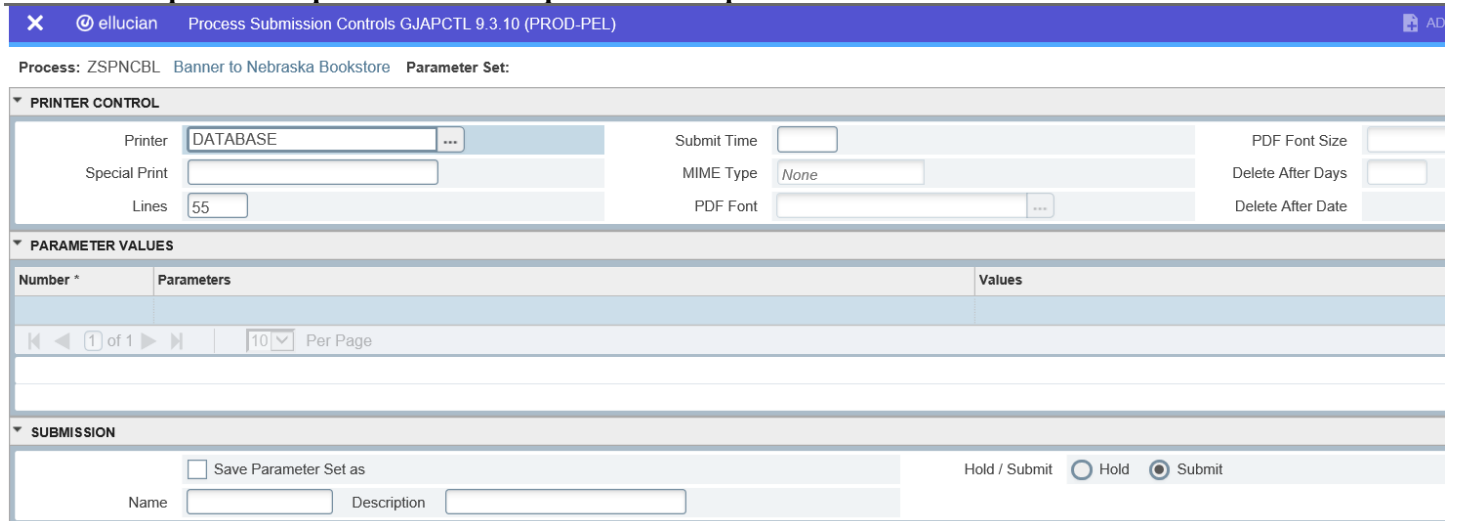
In Process Submission select **Go**



In the Printer Control Section – Enter **Database**


**Alt Page Down** to go to next section or click on the down arrow at the bottom of the page. 


**Parameter Options: No parameters are required for this process.**



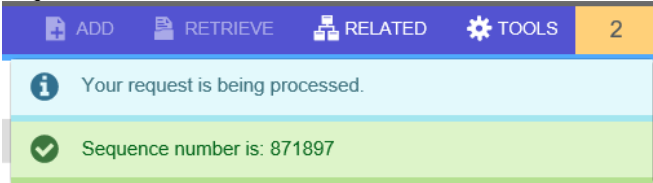
**Note:**  
ZSPNCBL/ZSPFCBL reads any authorized aid, memos, or disbursed aid for the term that was created in the ZXPCRET program.

A .lis file and a .log file will be created.

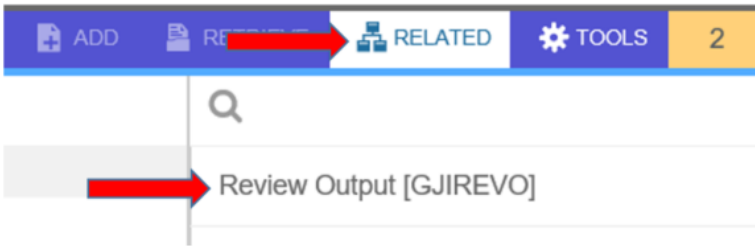
After you have entered your parameters **Alt Page Down** to go to next section or click on the down arrow at the bottom of the page. 

Press F10 to save or select the SAVE button at the bottom right corner to run the process. 

Once the process is run you will see informational message in the top right corner of your page. It will also identify the sequence number.

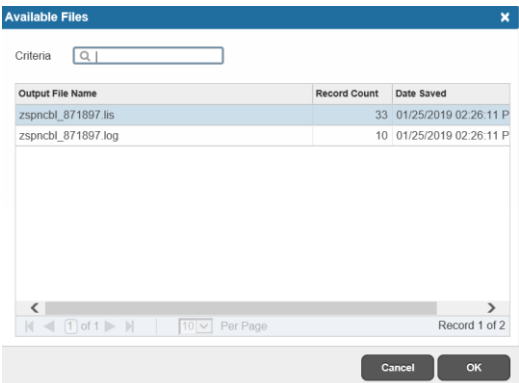
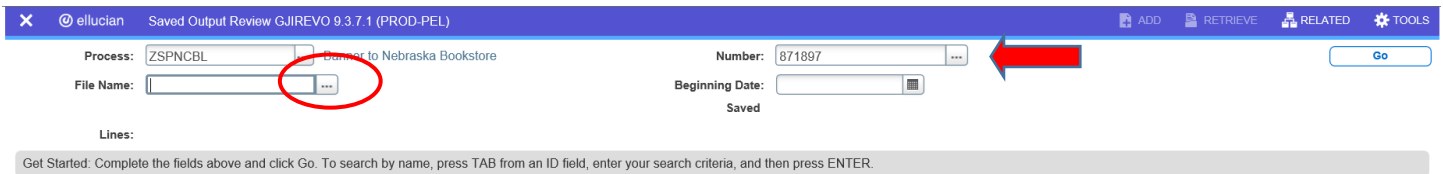


To view your .log and .lis file, click the RELATED tab at the top right of the page and then select Review Output [GJIREVO]



Click on the ... to view your .log or .lis file.

Your sequence number will be showing. (If the process is complete)



You will see your available files.

Select either your .lis file or .log to view.

Then click OK

Below is sample output information of your .lis and .log file.

This example shows ZSPNCBL's .lis file.

Process: ZSPNCBL Banner to Nebraska Bookstore Number: 871897 File Name: zspncbl\_871897.lis Beginning Date Saved: Lines: 33

SAVED OUTPUT REVIEW

DATE: 25-JAN-2019 02:26:07 TCSG Pelican Group - PROD PAG

DATE	TIME	FILE NAME	STATUS	LINE	DESCRIPTION
1.0					CUSTOMER/BALANCE TRANSFER
910116889		ADAMS, ELA	MD13	201812	STUDENT ADD
910112535		ADKINS, RHONDA	AC12	201812	STUDENT ADD
910117787		ALLBRIGHT, TRACY	AC12	201812	STUDENT ADD
910124547		BETJAS, REBECCA	AC12	201812	STUDENT ADD
910124600		DIRECTION, ONE	AC12	201812	STUDENT ADD
910124549		LONE, KRISTY	AC12	201812	STUDENT ADD
910124550		MCMANUS, CHELSEA	AC12	201812	STUDENT ADD
910124550		MCMANUS, CHELSEA	AC12	13700	BALANCE ADD PELL
910124551		MINNI, NIKITA	AC12	201812	STUDENT ADD
910124551		MINNI, NIKITA	AC12	13700	BALANCE ADD PELL
910124552		NOTTUS, SHA 'KORIA	CJT2	201812	STUDENT ADD
910124599		PARKS, LINCOLN	AC12	201812	STUDENT ADD
910124553		PAULINO, SAMANTHA	AC12	201812	STUDENT ADD
910124553		PAULINO, SAMANTHA	AC12	217900	BALANCE ADD PELL
910124556		RUBBLE, LAKESHA	AC12	201812	STUDENT ADD
910124556		RUBBLE, LAKESHA	AC12	69900	BALANCE ADD PELL
910124557		RUSSELL, KIMBERLY	AC12	201812	STUDENT ADD

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To go back and look at the .log file, click the Start Over button on the top right hand corner of the page.

[Start Over](#)

You can select your log file to review.

Below is sample output of your .log file.

ellucian Saved Output Review GJIREVO 9.3.7.1 (PROD-PEL)

Process: ZSPNCBL Banner to Nebraska Bookstore Number: 871897 File Name: zspncbl\_871897.log Beginning Date Saved: Lines: 10

SAVED OUTPUT REVIEW

PARAMETER (1) = [TMOORE]

PARAMETER (2) = XXXXXXXX

PARAMETER (3) = 871897

PARAMETER (4) = ZSPNCBL

Successfully Connected to Oracle


Successful run of ZSPNCBL

Version 2.1

25-JAN-2019

Term Code 201812

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If you click the X at the top left,  you will go back to Process Submission Control GJAPCTL – Process ZSPNCBL.

NOTE:

ZSPNCBL/ZSPFCBL reads any authorized aid, memos, or disbursed aid for the term that was created in the ZXPCRET program. Based on the NEBRASKA2 PAYSEQUENC entries in the banner form GTVSDAX, tuition and fee charges for

the term will be liquidated from the authorized aid, memos, or disbursed aid. The sequence number determines the order in which tuition and fees are liquidated from the aid amount.

Internal		Code * <input type="text" value="PAYSEQUEN"/>	Concept <input type="text"/>
Sequence	<input type="text" value="1"/>	Translation Code <input type="text"/>	Reporting Date <input type="text"/>
Group *	<input type="text" value="NEBRASKA2"/>	Sys * <input type="text" value="..."/>	<input type="checkbox"/> Sys Required
External Code *	<input type="text" value="HOPE"/>	Description * <input type="text" value="Pay Sequence"/>	
Internal		Code * <input type="text" value="PAYSEQUEN"/>	Concept <input type="text"/>
Sequence	<input type="text" value="20"/>	Translation Code <input type="text"/>	Reporting Date <input type="text"/>
Group *	<input type="text" value="NEBRASKA2"/>	Sys * <input type="text" value="..."/>	<input type="checkbox"/> Sys Required
External Code *	<input type="text" value="VA%P"/>	Description * <input type="text" value="Pay Sequence"/>	
Internal		Code * <input type="text" value="PAYSEQUEN"/>	Concept <input type="text"/>
Sequence	<input type="text" value="51"/>	Translation Code <input type="text"/>	Reporting Date <input type="text"/>
Group *	<input type="text" value="NEBRASKA2"/>	Sys * <input type="text" value="..."/>	<input type="checkbox"/> Sys Required
External Code *	<input type="text" value="SWIG"/>	Description * <input type="text" value="Pay sequence"/>	

In the example above, HOPE(Tuition only) would pay first since it is sequence # 1 VA would pay second since it is sequence # 2 (tuition only), and SWIG would pay last since it is sequence # 5. The % is a wildcard meaning any character could be used there and the program would use it as a payment. Example VA%P could pay VATP, VABP, VAAP, etc.

Liquidation of the tuition and fees are based on the priority codes of the payment (auth aid, memos, or disb aid) and the charges. If the payment code finds a matching (or higher code based on zeros for wildcards) charge code, the payment will liquidate all of the charges it can. Once that payment amount is exhausted, the program will look for another payment and if found will repeat the process above.

HOPE aid will liquidate the tuition charges only.

Once all tuition and fee charges have been liquidated, if any authorized aid, memos, or disbursed aid is left, that aid can be sent to the bookstore as a credit limit. The amount of aid being sent to the bookstore is based on the NEBRASKA3 entries in the banner form GTVSDAX.

Table layouts for the **CAMPUSAR.BOOKSTORE** table are as follows:

Name	Null?	Type
PIDM	NOT NULL	NUMBER(8)
SSN	NOT NULL	VARCHAR2(9 CHAR)
TERM	NOT NULL	VARCHAR2(6 CHAR)
NAME		VARCHAR2(25 CHAR)
ADDR		VARCHAR2(30 CHAR)
CITY		VARCHAR2(20 CHAR)
STATE		VARCHAR2(2 CHAR)
ZIP		VARCHAR2(10 CHAR)
PH_AREA		VARCHAR2(6 CHAR)
PH_NBR		VARCHAR2(12 CHAR)
STATUS		VARCHAR2(1 CHAR)
PROGRAM		VARCHAR2(4 CHAR)
CAMPUS		VARCHAR2(3 CHAR)
ENTRY_DATE		DATE
ENTRY_TIME		VARCHAR2(8 CHAR)

Table layouts for the CAMPUSAR.BOOKSTORE\_BALANCE table are as follows:

Name	Null?	Type
BAL_PIDM	NOT NULL	NUMBER(8)
BAL_ACCOUNT		VARCHAR2(4 CHAR)
BAL_AMOUNT		NUMBER(8,2)
BAL_STATUS		VARCHAR2(1 CHAR)
BAL_ENTRY_DATE		DATE
BAL_ENTRY_TIME		VARCHAR2(8 CHAR)

#### For the BPL:

This script will drop and re-create the CAMPUSAR.BOOKSTORE and CAMPUSAR.BOOKSTORE\_BALANCE tables, will create an index on the CAMPUSAR.BOOKSTORE\_BALANCE table, and will grant select, update, insert, and delete to PUBLIC for the CAMPUSAR.BOOKSTORE and CAMPUSAR.BOOKSTORE\_BALANCE tables.

As saturn:

```
sqlplus saturn/yourpassword @/u01/app/banner/PROD/tcsg/general/misc/create_bookstore_tables.sql
```

#### Additional Information:

With this upgrade the BPL will also receive a setup manual for SFTP process setup. This will require setting up an SFTP server on the WinPrism box, creating a public SSH key, and adding that key to the SFTP server software on the WinPrism server.

#### CRON JOBS – RHEL

##### AS JOBSUB

```
ORACLE_SID = [PROD] ?
PROD:jobsub@arthur:~$
PROD:jobsub@arthur:~$ crontab -l
# Cleanly stop job submission before the nightly PROD backup
51 01 * * * /u02/jobsub/bin/gurstop_ANY.shl PROD >/dev/null 2>1
52 01 * * * /u02/jobsub/bin/pipestop_ANY.shl PROD >/dev/null 2>1
53 01 * * * /u02/jobsub/bin/fmcalcstop_ANY.shl PROD > /dev/null 2>1
#54 01 * * * /u02/jobsub/bin/swstop_ANY.shl PROD > /dev/null 2>1
55 01 * * * /u02/jobsub/bin/jobsub_cleanup_ANY.shl PROD > /dev/null 2>1
# Restart job submission after the PROD backup
50 02 * * * /u02/jobsub/bin/gurstart_ANY.shl PROD >/dev/null 2>1
51 02 * * * /u02/jobsub/bin/pipestart_ANY.shl PROD >/dev/null 2>1
53 02 * * * /u02/jobsub/bin/fmcalcstart_ANY.shl PROD > /dev/null 2>1
#54 02 * * * /u02/jobsub/bin/swstart_ANY.shl PROD > /dev/null 2>1
#00 * * * /u01/app/banner/PROD/tcsg/general/misc/process_zspurge.shl PROD > /dev/null 2>1
#00 08,12,16 * * 1-5 /u01/app/banner/PROD/tcsg/general/misc/process_bookstore_nebraska.shl PROD > $HOME/bookstore.log
#00 07,11,14,16 * * 1-5 /u01/app/banner/PROD/tcsg/general/misc/process_bookstore_follett.shl PROD > $HOME/bookstore.log
#30 22 * * 1-5 /u01/app/banner/PROD/tcsg/general/misc/loadbooks_nebraska.shl PROD > $HOME/loadbooks.log
#30 22 * * 1-5 /u01/app/banner/PROD/tcsg/general/misc/loadbooks_follett.shl PROD > $HOME/loadbooks.log
```