



Banner Accounts Receivable

Release Guide

Release 8.5.3
June 2017

Notices

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Introduction

This release guide provides an overview of Banner Accounts Receivable. This guide also lists system requirements and supporting resources that you might need while using the Banner Accounts Receivable application.

Enhancement

The Banner Accounts Receivable 8.5.3 release provides the ability to use study paths for contract and exemption processing.

Study paths provide a means by which a learner can associate specific course registration records to learner curriculum records during registration. Refer to the section [Study path considerations](#) on page 6 in this guide for more information.

Note: This release addresses an immediate need in Banner Accounts Receivable to meet Australian regulatory requirements. Some areas that were not modified for study paths in this release include (but are not limited to) deposits, contract memos, contract student and payment uploads and billing. These areas will be evaluated in future releases.

System requirements

The Banner Accounts Receivable 8.5.3 release is optional and non-cumulative.

Before you install and use the Banner Accounts Receivable 8.5.3 release, you must install the following:

- Banner General 8.6
- Banner Accounts Receivable 8.5.1

The following patches should be applied before installing Banner Accounts Receivable 8.5.1:

- 8.5.0.1 – Patch Number p1-2o53jl_tas8050001
- 8.5.0.2 – Patch Number pcr-000124636_tas8050002
- 8.5.0.3 – Patch Number pcr-000128089_tas8050003
- 8.5.0.4 – Patch Number pcr-000125284_tas8050004

Although the release and patch listed below are not required to be installed before installing the Banner Accounts Receivable 8.5.3 release, Ellucian recommends that you install them to take advantage of the most current Banner Accounts Receivable functionality.

- 8.5.2 – Accounts Receivable optional release
- 8.5.2.1 – Patch Number pcr-000143820_tas8050201

For additional details about these patches, go to <http://www.ellucian.com/Solutions/Ellucian-Client-Support/> and use the Ellucian Hub to access the Ellucian Support Center.

Additional requirements

Texas Connection Shared Services Center (TCC) customers only – Refer to the *Banner Accounts Receivable Installation Guide 8.5.3* for an additional patch requirement.

Use Ellucian Solution Manager to install your product upgrades

Ellucian recommends that you use Ellucian Solution Manager to perform Banner product upgrades, rather than using a manual installation process.

With Solution Manager, you can:

- Identify dependency information within and between products.
- View the latest version numbers for the Banner products you have installed, along with all other version numbers installed in your environment.
- Use the **Get New Releases** feature to identify available upgrades and download them immediately.
- Identify and install product prerequisites, along with any upgrades you have selected.

Solution Manager currently supports most Banner 8 and 9 products. For more information on the Banner product versions currently supported by Solution Manager, see the *Banner Upgrades Support Status* guide. For detailed instructions on how to install and configure Solution Manager, see the latest *Solution Manager User Guide*.

Information resources

In addition to this release guide, other documentation sources are also available for more information about the enhancement in the 8.5.3 release.

The following documentation has been updated for this release:

- *Banner Accounts Receivable Online Help*
- *Banner Accounts Receivable User Guide*

Functional updates

This is a summary of the functional changes made for this release.

Contract and Exemption Study path processing

With this release, you can assign students to contracts and exemptions by study path.

When students are assigned by study path, contract and exemption processing will post payments to student accounts by study path. Contract processing will also post corresponding charges to third party contract accounts by study path.

Study path considerations

Institutions already using study path functionality in Banner Student might have student account charges previously assessed and posted that are associated with a study path in Banner Accounts Receivable in addition to corresponding contract and exemption credits processed without Study Paths.

If you want to use the new Banner Accounts Receivable 8.5.3 Contract and Exemption Study Path functionality, you should consider when to start using this new enhancement.

If you implement this functionality in the middle of a term and contracts and exemptions credits have already been processed without study paths for charges with a study path, if a new eligible transaction is entered onto the student's account for the term and contract and exemption credits are now being processed by study path, all eligible transactions on the account are re-evaluated.

This might result in reversals of credits without a study path and re-posting of the credits with a study path. Although the end result of total credit amount posted will be the same, this could impact any offline reporting you have done of the student's account to reconcile charges by study path and corresponding contract and exemption credits.

If you implement this functionality at the start of a new term, you will avoid the re-evaluation of the account as noted above because in this case contract and exemption processing will post payments to student accounts by study path from the beginning of the term.

Technical updates

This is a summary of the technical changes made for this release.

Changed tables

Tables have changed for the 8.5.3 release.

The changed tables include the following:

- Contract Student Authorization (TBBCSTU) table
- Exemption Student Authorization (TBBESTU) table
- Intermediate File Containing Credit Amounts (TBRCTEX) table

Contract Student Authorization (TBBCSTU) table

The Contract Student Authorization (TBBCSTU) table has been modified for this release.

A new column has been added to hold the key sequence number of the study path used for contract processing.

The Primary Key index, PK_TBBCSTU, that was based on the following, has been dropped:

- TBBCSTU_CONTRACT_PIDM
- TBBCSTU_TERM_CODE
- TBBCSTU_CONTRACT_NUMBER
- TBBCSTU_STU_PIDM

The Primary Key, PK_TBBCSTU, has been added to include TBBCSTU_CONTRACT_PRIORITY and now has these columns:

- TBBCSTU_CONTRACT_PIDM
- TBBCSTU_TERM_CODE
- TBBCSTU_CONTRACT_NUMBER
- TBBCSTU_STU_PIDM
- TBBCSTU_CONTRACT_PRIORITY

A new Unique Index has been created on these columns:

- TBBCSTU_CONTRACT_PIDM
- TBBCSTU_TERM_CODE
- TBBCSTU_CONTRACT_NUMBER
- TBBCSTU_STU_PIDM
- TBBCSTU_CONTRACT_PRIORITY

Column	Null?	Type	Comment
TBBCSTU_STSP_KEY_SEQUENCE	Yes	Number (2,0)	Sequence number of the study path for the contract.

Exemption Student Authorization (TBBESTU) table

The Exemption Student Authorization (TBBESTU) table has been modified for this release.

A new column has been added to hold the key sequence number of the study path used for contract processing.

The Primary Key index, PK_TBBESTU, that was based on the following, has been dropped:

- TBBESTU_EXEMPTION_CODE
- TBBESTU_TERM_CODE
- TBBESTU_PIDM

The Primary Key, PK_TBBESTU, has been added to include TBBESTU_EXEMPTION_PRIORITY and now has these columns:

- TBBESTU_EXEMPTION_CODE
- TBBESTU_TERM_CODE
- TBBESTU_PIDM
- TBBESTU_EXEMPTION_PRIORITY

A new Unique Index has been created on the following columns:

- TBBESTU_EXEMPTION_CODE
- TBBESTU_TERM_CODE
- TBBESTU_PIDM
- TBBESTU_EXEMPTION_PRIORITY

Column	Null?	Type	Comment
TBBESTU_STSP_KEY_SEQUENCE	Yes	Number (2,0)	Sequence number of the study path for the exemption.

Intermediate File Containing Credit Amounts (TBRCTEX) table

The Intermediate File Containing Credit Amounts (TBRCTEX) table has been modified for this release.

A new column has been added to hold the key sequence number of the study path when is generating transactions for contracts and exemptions.

Column	Null?	Type	Comment
TBRCTEX_STSP_KEY_SEQUENCE	Yes	Number (2,0)	Sequence number of the study path for the contract or exemption.

Changed views

Views have changed for the 8.5.3 release.

A **Study Path** field has been added to the following views for use when generating transactions for contracts and exemptions:

- Detail Level Contract (TBVCRD1.sql) view
- Account Level Contract (TBVCRD2.sql) view
- Detail Level Exemption (TBVCRD3.sql) view
- Account Level Exemption (TBVCRD4.sql) view
- Detail Category Level Contract (TBVCRD5.sql) view
- Detail Category Level Exemption (TBVCRD6.sql) view
- Intermediate File Containing Credit Amounts (TBVCTEX.sql) view

Changed packages

Packages have changed for the 8.5.3 release.

The following packages have been modified to include study path sequence number for contract and exemption processing:

- toktabs.sql
- tskfunc.sql

A new function, `f_cont_exempt_copy_valid`, has also been added to this package.

- tskfun1.sql
- tskmods.sql
- tskmod1.sql

Changed forms

Forms have changed for the 8.5.3 release.

A **Study Path** field has been added to the following forms:

- Student Account Review (TSAACCT) form
- Contract Person Authorization (TSACONP) form
- Contract Authorization (TSACONT) form
- Exemption Person Authorization (TSAEXPP) form
- Exemption Authorization (TSAEXPT) form
- Student Payment (TSASPAY) form

Field	Description
Study Path	<p>Use this field to view or enter the study path sequence number associated with the student's exemptions and contracts. This is the sequence number used for contract and exemption processing.</p> <ul style="list-style-type: none"> • List Student Study Paths (SGVSTSP) • Dup Item Study Path Name (TSAACCT and TSASPAY)

Changed processes

Processes have changed for the 8.5.3 release.

The changed processes include the following:

- Application of Payment (TGRAPPL) process
- Contract and Exemption Roll (TSRROLL) process

Application of Payment (TGRAPPL) process

The Application of Payment (TGRAPPL) process has been modified for this release.

The Apply Cont/Expt Credits parameter option C, apply Contract and Exemption credits using Cross Reference information, has been modified to include study path sequence number as part of the cross reference match when it exists.

If the Contract/Exemption credit does not have a study path, then payments are matched as per original baseline using Cross Reference information without regard to study path.

For example:

- If the Contract/Exemption Credit has a Study Path, the credit is applied (and only applied) to eligible charges with matching study path.
- If the Contract/Exemption Credit does not have a Study Path, the credit is applied to eligible charges (without regard to SP), which is original baseline processing.

Adjustments and Reversals Processing

Reversals processing has been modified to include study path sequence number match if it exists.

Contract and Exemption Roll (TSRROLL) process

The Contract and Exemption Roll (TSRROLL) process has been modified for this release.

Field	Description
Roll Contracts	<p>You can roll students from one contract to another based on contract settings and rules.</p> <p>Students assignment records with study path field populated (for example, 1, 2, 99) will be rolled forward if the study path is active for the term at the time the roll is performed. Student assignment records with study path field blank will be rolled forward as per standard roll functionality.</p>
Roll Exemptions	<p>You can roll students from one exemption to another based on exemption settings and rules.</p> <p>Students assignment records with study path field populated (for example, 1, 2, 99) will be rolled forward if the study path is active for the term at the time the roll is performed. Student assignment records with study path field blank will be rolled forward as per standard roll functionality.</p>

New function

A new function, `f_cont_exempt_copy_valid`, has been delivered for the 8.5.3 release.

This function has been added to package `TSKFUNC.sql` and consolidates copy, roll and validation logic for contract and exemptions. Parameters for this function are Term, Sequence, and Pidm.

Changed shell scripts

Shell scripts have changed for the 8.5.3 release.

In the following files, `CHECKOPT` was modified to include SQL statements inside for the Contract and Exemption Roll (TSRROLL) process. These files are used to aid in compiling Pro-C files for Windows (pl) and Unix (shl):

- `tascmplc.pl`
- `tascmplc.shl`

New scripts

The scripts in this section have been delivered to support this release.

Script	Result
tbbcstu_080503_01.sql	Adds STUDY PATH SEQUENCE NUMBER column to Contract Student Authorization table.
tbbcstu_080503_02.sql	Adds comment on STUDY PATH SEQUENCE NUMBER column.
tbbcstu_080503_03.sql	Drops Primary Key. Drop Primary Key index from third party contract student authorizations, to be replaced based on the contract and student information for term and the priority.
tbbcstu_080503_04.sql	Creates New Primary Key. New Primary Key index for third party contract student authorizations based on the contract and student information for term and the priority.
tbbestu_080503_01.sql	Adds STUDY PATH SEQUENCE NUMBER column to Exemption Student Authorization table.
tbbestu_080503_02.sql	Adds COMMENT on STUDY PATH SEQUENCE NUMBER column.
tbbestu_080503_03.sql	Drops Primary Key. Drop Primary Key index from exemption student authorizations, to be replaced based on the exemption and student info for term and the priority.
tbbestu_080503_04.sql	Creates New Primary Key. New Primary Key index for exemption student authorizations based on the exemption and student info for term and the priority.
tbrctex_080503_01.sql	Adds STUDY PATH SEQUENCE NUMBER column to the tbrctex table.
tbrctex_080503_02.sql	Adds COMMENT on STUDY PATH SEQUENCE NUMBER column.