

## **Financial System Integration Recommendations**

This document is a supplement to the Financial System Integration Guidance document and includes recommendations for each control area.

## **Internal Controls Recommendations** Separation of duties

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ation of Duties implementation recommendation
$\Box$ The system should ensure that there is appropriate separation of duties and approvals for all transactions which will post to the Financial System General Ledger.
We recommend that the system is setup to enforce separation of duties and there is a separate initiator and approver for each transaction. If reviews are by batch and not transaction, it is recommended that the reviewer not have access to make modifications to transactions.
$\Box$ The transaction initiator and approver cannot be the same person.
We recommend that the system is set up to prevent the initiator from approving his/her own transactions.

## 2. Accountability, authorization, and approval

## Accountability, Authorization, and Approval Implementation Recommendations

 $\hfill \square$  System should ensure that terminated and transferred users are removed from the application in a timely manner.

It is recommended that the department documents its onboarding and offboarding process to include user access. At a minimum user access should be reviewed annually and every time someone leaves the department. The review should be documented and evidence of the review should be maintained.

 $\square$  Access to system should be approved by respective managers to ensure that new access is commensurate with the new user's roles and responsibilities.

We recommend that you document who has the authority to approve user access. This individual should have sufficient knowledge to understand the different roles within the organization and the system.



	☐ Management should perform a periodic review of application access to provide
	reasonable assurance that user access is commensurate with existing roles and responsibilities.
	We recommend at a minimum there be an annual review of users. We also recommend privileged users/super users be reviewed quarterly. The review should be documented and evidence of the review should be maintained. Changes to users should be processed timely.
3. Se	ecurity of assets
Secur	ity of Assets Implementation Recommendations
	$\hfill\Box$ IT management should perform a periodic review of users with any ability to make changes to batch schedules.
	We recommend management take a risk-based approach and perform a periodic access review (at least annually) over users with access to financially significant batch jobs to ensure access remains commensurate with job roles and responsibilities. To evidence this review, management should retain documentation indicating the review occurred and any changes to user access as a result of review were processed completely and accurately.
	$\Box$ IT Management should monitor financially significant jobs for success/errors to ensure that jobs are completed accurately and without exceptions. Failed jobs should be logged and documented with follow-up.
	We recommend that management first define and identify financially significant batch jobs and then implement a defined and documented process to monitor and resolve those failures in a timely manner. Jobs logs should be retained and resolution of issues should be documented to completion.
	$\Box$ IT management should perform a periodic review (at least annually) of IT professionals at the database and server layer, to ensure access remains commensurate with job role and responsibility.
	We recommend that IT management take a risk-based approach and perform a periodic access review (at least annually) over privileged IT accounts on the operating system and database level, to ensure only appropriate personnel hold such authority in the system.

To evidence this review, management should retain documentation indicating the review occurred and any changes to user access as a result of review were processed completely







We recommend that IT management logs activities performed by staff with access to the production environment. This activity should be periodically reviewed and documented by an independent individual to ensure that unauthorized changes to the datasets or data are not made. ☐ IT roles and responsibilities for managing financial systems should be defined, reviewed periodically and communicated. We recommend that IT management define, review and communicate IT organization roles and responsibilities for staff that maintain systems which generate financial transactions. ☐ IT management should track and respond to incidents to ensure appropriate resolution of possible control issues, such as security breaches or data corruption. We recommend that IT management provide oversight to ensure that program maintenance and program development activities are controlled and traceable so that senior management may be informed of key IT matters. Failure to track IT issues increases the risk of events that may impact the final reporting process not being brought to management attention. 4. Review and reconciliation **Review and Reconciliation Recommendations**  $\square$  No employee payments can be processed through a feed. This is only applicable to authorized payment integrations. Only Vendor Payments using the valid KFS Vendor information are allowed to be fed into KFS. ☐ There must be a reconciliation process between the transactions in the source system and the postings in the General Ledger. We recommend defining and mapping out the reconciliation process prior to implementing a new feed. The process may include generating reports out of the sub-system in comparison to Decision Support or an automated method developed by the department.

We recommend the reconciliation process to be completed by the appropriate fiscal staff and a review of the reconciliation results are performed and documented by a separate

individual that did not perform the reconciliation and does not have access or responsibility for initiating and approving transactions in the sub-system.



$\hfill\Box$ Ensure sales and use tax for applicable transactions are properly calculated and submitted, if applicable.
We recommend that you consult with A&FS Tax Reporting & Compliance for any tax questions or concerns.
$\Box$ Department is responsible for posting correcting entries to the general ledger in a timely manner (i.e. clearing "default" account).
We recommend that clearing accounts be reconciled monthly and correcting entries are posted in a timely manner.
$\square$ Ensure transactions and processing are in compliance with UC Davis Policy and Procedure Manual Chapters 310, 320, 330, 340 and other applicable policies.
We recommend you review each of these sections and become familiar on how it applies to your systems.
$\hfill\Box$ Ensure transactions are in compliance with state and federal regulations.
We recommend that you are familiar with restrictions to state and federal funds that are applicable to your department's activity.
Self-supporting funds recharging internal customers should be in compliance with campus rate development policies. All self-supporting activities including new rates must be reviewed annually to ensure compliance with campus <a href="Surplus/Deficit Policy">Surplus/Deficit Policy</a> . All rates must be approved by your dean or vice-chancellor's office. Additional reviews may be necessary depending on the rate and impact to campus.