14.0 Payment Processing – Employee Travel Expense Management (TEM) Reimbursement Process Report
December 2017
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# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 1</td>
<td>SIPOC Diagram</td>
<td>4</td>
</tr>
<tr>
<td>Chapter 2</td>
<td>Suppliers</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University/University System Unit Employee</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University/University System Employee Proxy</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University Purchasing</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University Payables</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University Departments</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>University Student Financial Services and Cashier Operations (USFSCO)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AITS</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Business Rules</td>
<td>6</td>
</tr>
<tr>
<td>Chapter 3</td>
<td>Inputs</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Electronic Expense Reports</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Advance Request</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Documentation</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Receipts</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Approvals</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Business Rules</td>
<td>7</td>
</tr>
<tr>
<td>Chapter 4</td>
<td>Process</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Enter Request for Payment</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Review &amp; Approve Request for Payment</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Review &amp; Approve Submitted Request for Payment</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Export Request for Payment</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Complete Request for Payment</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Business Rules</td>
<td>9</td>
</tr>
<tr>
<td>Chapter 5</td>
<td>Outputs</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Completed Payment Request</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Payment Status Update</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Rejected Payment Request</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Pending Payment Request</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Business Rules</td>
<td>10</td>
</tr>
<tr>
<td>Chapter 6</td>
<td>Customers</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>University Department Units</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>University/University System Employee</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>University/University System Employee Proxy</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Banner</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Business Rules</td>
<td>11</td>
</tr>
<tr>
<td>Chapter 7</td>
<td>Customer - Oversight Roles</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Auditors (Internal, External, IRS)</td>
<td>12</td>
</tr>
</tbody>
</table>
Chapter 8: Questionnaire for Current State Analysis ................................................................. 13
Chapter 9: Questionnaire for Potential Process Improvement Candidates ......................... 16
Chapter 10: Current State Metrics .......................................................................................... 18
Chapter 11: Feedback from Customer Focus Groups – Current State ................................. 19
Chapter 12: Opportunities for Improvements ........................................................................ 21
Chapter 13: Suggested Improvements .................................................................................... 23
Chapter 14: Feedback from Customer Focus Groups – Future State ................................. 24
Chapter 15: Recommendations for Improvements ................................................................. 27
Chapter 16: Solutions Prioritization Matrix ........................................................................... 30
Chapter 17: Future State SIPOC Diagram ............................................................................. 32
Chapter 18: Future State Requirements ............................................................................... 33
Chapter 19: Subject Matter Expert Team .............................................................................. 35
Chapter 20: University Focus Group Participants ................................................................. 36
Appendix A: Business Glossary ............................................................................................... 37
Overview

Payment processing of employee TEM reimbursements is the ability to issue payments for employee travel, miscellaneous reimbursements, and petty cash.

The following mandates and policies are complied with in this process.

Illinois Mandate Symbol - 🎓

University Policy Symbol - 💻

Professional Mandate Symbol - 📚
Process Executive Summary

Business Process
The process begins when an employee or employee proxy enters a payment request into the travel expense management system, TEM. Included in the request is the report title, business purpose/justification, expense line items, CFOAPAL, documentation, and any receipts. Once entered in TEM, the department’s manager or manager proxy will receive an email notifying them there is a Request for Payment that needs to be reviewed and approved. Once the Manager or Manager Proxy has completed their review, the Charge Code review is performed. The Charge Code review is similar to the Manager Review with the exception of the ability to update an amount on an expense item. After internal approvals are complete Payables staff will receive the submitted request for payment. The submitted Request for Payment is reviewed within the TEM application as an expense report. The Advance Request and Petty Cash request of payments are processed first, then the remaining expense reports are processed.

Once an hour a process is run to export the data from TEM and import into Banner for processing. Once in Banner the data is processed, if passed all the validation checks, the ER (expense report) number is assigned to a TM document for the invoice number in Banner. Finally, the payment information is sent back to the TEM system and the status is set to DONE.

Current Process Activities

Approach
The current state process activities were mapped by the Subject Matter Experts, SME, and project team. A SIPOC diagram was created to capture the tasks executed by the University System departments. The SME project team identified opportunities for improvement and brainstormed potential solutions. The current state was presented, issues were identified, and recommendations were discussed at customer focus group meetings in the University System. The process report was presented to the Source2Pay Director Council where they ranked the proposed recommendations for implementation.

Key Findings
- Many departments have their own process outside of TEM, usually approvals and some internal business rules
- Many departments use proxies who do all the entering and notify them via email it’s ready to submit for processing
- Overall experienced inconsistent processing of TEM, some expense reports get rejected and some don’t, even when submitting multiple expense reports that are identical in content
- Wish searches could be by ER number not by person who submits the expense report, in case the person who submits the report leaves the department it is difficult to track
Improvement Recommendations

The process team identified 10 suggested improvements. The Director Council reviewed the 10 recommendations and ranked the proposed recommendations for implementation.

Listed are the top four recommendations for implementation:

1. Create a comprehensive off boarding (leave or retires) checklist
2. Revise TEM/Banner interface to recognize date of travel rather than purchase date
3. Post 1 on 1 training classes in a more common area such as on the OBFS web site
4. Upgrade TEM to the latest version
### Chapter 1: SIPOC Diagram

<table>
<thead>
<tr>
<th>Process Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0 Payment Processing Employee TEM Reimbursements</td>
<td>October 2017</td>
</tr>
</tbody>
</table>

#### SUPPLIERS
- **Who** provides input to the process
- University/University System Employee
- University/University System Employee Proxy
- University Purchasing
- University Payables
- University Departments
- USFSCO
- AITS

#### INPUTS
- **What** goes into the process
- Electronic Expense Reports
- Advance Request (Program, travel)
- Documentation
- Receipts
- Approvals

#### PROCESS
- **How** the inputs are transformed to outputs
- Enters Request for Payment
- Review & approve Request for Payment
- Review & Approve Submitted Request for Payment
- Export Request for Payment
- Complete Request for Payment

#### OUTPUTS
- **What** comes out of the process
- Completed payment request
- Payment Status Update
- Rejected Payment Request
- Pending Payment Request

#### CUSTOMERS
- **Who** received the outputs of the process
- University Department Unit
- University/University System Employee
- University/University System Employee Proxy
- Banner
Chapter 2: Suppliers

Suppliers provide input to the process:

**University/University System Unit Employee**

What they care about: Care about getting reimbursed for their travel and business expenses.
When they care: As soon as possible or as soon as they submit the expense.

**University/University System Employee Proxy**

What they care about: Getting the complete documentation including all receipts, anything that supports the expense, and making sure the employee is paid in a timely manner without having the expense report be rejected.
When they care: Beginning the TEM transaction in the required amount of time (60 days)

**University Purchasing**

What they care about: Proper purchasing procedures are followed including procurement code
When they care: For every transaction that involves the purchase of goods or services.

**University Payables**

What they care about: Receiving complete and accurate documentation that comply with University and outside governing agency.
When they care: For every expense report that is submitted to Payables for reimbursement.

**University Departments**

What they care about: That the funds used come from proper allocation, ensuring complete and accurate documentation that comply with University and governing agencies. Also to make sure the reimbursement matches the travel plan.
When they care: For every expense report that is submitted for reimbursement by their unit.

**University Student Financial Services and Cashier Operations (USFSCO)**

What they care about: Notes are provided by the department in the system, the check can be cashed and the currency denominations are available.
When they care: When an advance or petty cash is approved by Payables.
AITS

What they care about: Workflow processes are executed correctly
When they care: Every time an expense report is exported to Banner

Business Rules

- Requestor cannot be an approver for themselves
- Proxy cannot submit an employee reimbursement
- Manager can approve by individual
- Charge Code Reviewer can approve by an entire Org code
- An approver can add a receipt into the TEM application, but cannot delete a receipt (system rule)
Chapter 3: Inputs

Inputs are information or verification which goes into the process

Electronic Expense Reports

The actual transaction created in TEM

Advance Request

Request for cash in advance. There are two types of Advance request, Program and Travel.

Documentation

- Confidential Study
- Exception approvals
- Exception form
- Program registration form
- Proof of conference lodging
- Reconciliation report
- Travel Justification
- Travel Plan

Receipts

Documentation that matches each expense item

Approvals

Include approvals from the following:

- Department head
- Primary Investigator (PI) for Grants
- SPA Sponsor Program Administration (a.k.a. grants and contracts)
- University Purchasing

Business Rules

Must have a receipt for any reimbursable expense over $10.00
Chapter 4: Process

A process is defined as the method for transforming inputs into outputs:

Enter Request for Payment

The University Department employee or employee proxy will create and submit (employee can only submit) a request for payment within the TEM application. Included in the request is the report title, business purpose/justification, expense line items, CFOAPAL, documentation, and any receipts. If the requested payment is either an Advance or Petty Cash request, the values of either ADV for Advance or PC for Petty Cash will be placed in the first position of the Report Title.

Review & Approve Request for Payment

The University Department Unit either a manager or a manager proxy will receive an email notifying them there is a Request for Payment that needs to be reviewed and approved. The Request for Payment will be reviewed for the following:

- Allowable Funding
- Budget
- Business Purpose/Justification
- CFOAPAL
- Exceptions (for exception form to be include)
- Receipts

After the review for completeness and compliance, attachments of additional receipts or notes are included, along with the ability to update the amount on each expense item on the request. Once this is all completed the request for payment is approved and submitted in the TEM application.

Once the Manager or Manager Proxy has completed their review, the Charge Code review is completed. The Charge Code review is similar to the Manager with the exception of the ability to update an amount on an expense item.

If transaction is rejected, notes are required, entered, and sent back to the document owner.

Review & Approve Submitted Request for Payment

The University Payable staff will receive submitted request for payments. The submitted Request for Payments are reviewed within the TEM application as an expense report. The types of expense reports include Advance Request, Petty Cash, and any expense reports for reimbursement. The Advance Request and Petty Cash request of payments are processed first, then the remaining expense reports are processed.
Each field on the submitted Request for Payment is reviewed for compliance with the IRS rules, OBFS Policies and Procedures, and Travel Control Board. If there are any issues the submitted Request for Payment is return the original submitter, the employee, for resolution.

Export Request for Payment

Once an hour a process is run to export the data from TEM and import into Banner for processing. Once in Banner the data is processed, if passed all the validation checks, the ER number is assigned to a TM document for the invoice number in Banner.

Complete Request for Payment

During this phase, the payment information is sent back to the TEM system and the status is set to DONE.

Business Rules

OBFS Policies and Procedures, Chapter 15 – Travel, Chapter 16 – Grants and Research Contracts
IRS rules
SPA sponsor rules
Chapter 5: Outputs

Outputs are the resulting information or entities that are produced as part of the process:

Completed Payment Request
The actual check or direct deposit being completed.

Payment Status Update
When the payment information is populated in Banner and in TEM.

Rejected Payment Request
A failed validation transaction could be returned to the document owner or Payables will correct if possible. There are two ways to reject a expense report, one is from the approver and the other way is from within the Banner. Approvers must enter notes for the rejected transaction.

Pending Payment Request
Requests that are waiting in the queue or waiting in Banner for the check run.

Business Rules
All employees must have a valid PR (permanent residence) address
Chapter 6: Customers
Customers receive the output of the process.

University Department Units
What they want: Timely, accurate, and complete transaction

University/University System Employee
What they want: Timely, accurate, and complete transaction

University/University System Employee Proxy
What they want: The employee to submit a transaction with complete documentation

Banner
What they want: Required, accurate information that meets all required data elements

Business Rules
None
Chapter 7: Customer - Oversight Roles

Customers who provide oversight and what oversight is needed: (Example Funders, OBFS, Auditors, Board of Trustees (BOT), Legislature, Public)

Auditors (Internal, External, IRS)
What they want: Making sure the business rules are being executed

Board of Trustees (BOT)
What they want: Want OBFS to follow all the general rules and published travel policies and procedures

Office of Business and Financial Services (OBFS)
What they want: Want the departments to follow all the general rules published travel policies and procedures

Purchasing
What they want: The departments to follow all the general procurement codes

Sponsored Programs Administration (SPA)
What they want: The SPA wants to meet the requirements of the sponsors and uniform guidance

Sponsors
What they want: The terms of the agreement (contracts and funding agreements) followed and any rules and regulations

Higher Education Travel Control Board
What they want: The lodging rates set by the Higher Education Travel Control Board are being followed, and has the ability to review any reimbursements that exceed the rates.

Business Rules
IRS rules
Procurement policies
Sponsor agreement
Uniform guidance
Chapter 8: Questionnaire for Current State Analysis

1. Why does the process exist?
   To have a process in place to request and pay employees for reimbursements, advances and petty cash.

2. What is the purpose of the process?
   To pay, track and manage employee payments.

3. What are the process boundaries (i.e., when does it start and end?)
   This process begins when a unit enters a payment request into TEM.
   This process ends when the payment request is done.

4. What are the major activities/steps in the process?
   See Chapter 4: Process (Ctrl-click to follow link)

5. What is the expected outcome or output of the process?
   See Chapter 5: Outputs (Ctrl-click to follow link)

6. Who uses the output of the process, and why?
   See Chapter 6: Customers (Ctrl-click to follow link)

7. Who benefits from the process, and how?
   - University and University System employees
   - University department units
   - University System
   How: Because payments are trackable

8. What information is necessary for the process?
   See Chapter 3: Inputs (Ctrl-click to follow link)

9. Where does that information come from?
   See Chapter 2: Suppliers (Ctrl-click to follow link)

10. What effect does that information have on the process and output?
    The information that the suppliers provide is run through the process and turned into the outputs.

11. Who is primarily responsible for the process?
    - University/University System Employee
    - University/University System Employee Proxy
    - University/University System Approvers
    - University Payables

12. What other units/organizations participate in or support the process?
    - AITS
    - Grants & Contracts at each University (SPA)
    - IRS
    - State Government
    - University Accounting and Financial Reporting (UAFR)
14.0 Payment Processing Employee TEM Reimbursements

- University Auditing
- University Purchasing

13. What Information Technology system(s) support the process?
- Banner
- Department Shadow System, portal used for travel approval
- Email
- Internet
- Microsoft Office Suite
- Security application
- TEM
- Application Manager (System AITS uses)

14. What policies guide or constrain the process?
- IRS Guidelines
- OBFS Policies and Procedures
- State laws or guidelines

15. How often does the process get executed?
Over 100 times in a single day

16. What are potential defects with respect to the process?
- Lack of consistent training
- Employee expectations – think they should be given the payment right away
- System not user friendly – bad navigation
- Lack of help with in the system
- Expense types by purpose – appear differently or don’t appear
- Different roles see different screens, so troubleshooting is difficult
- Having to have a separate database just for sorting – so more workflow flexibility
- Travel Expense Report number doesn’t match invoice number
- Retention around Travel expense and receipts
- Costly to upgrade TEM
- Lack of business rule flexibility – ex. If you buy a ticket 3 months ago and then it’s over the time and this is an extra step for units and payables
- Better user manual
- Browser issues – compatibility issues: Ex. Departments can’t see every receipt within certain browsers, also in internet explorer users can’t see beyond the first receipt
- Rejects must go back to the beginning, can’t be corrected by the Charge code reviewer
- Payables doesn’t make or accept phone calls for simple rejects, they are documented within the expense report
- Only a 30 minute time out in TEM and requires the users to sign in again
14.0 Payment Processing Employee TEM Reimbursements

- Rejections are often rejected one at a time instead of identifying all the rejected issues
- Having to explain or write out the acronyms
- Difficult to differentiate a transaction for a proxy and self (screens look the same), can cause re-work
- Difficult to identify who is getting the payment - picking the correct type of transaction (is it a direct deposit to the employee or does the vendor get paid)
  
  a. **How often do the potential defects occur?**
  
  Daily

17. **What types of challenges have employees who participate in the process raised?**

- Lack of training on the allowability for reimbursements
- Many managers don’t do a review, they just approve it without looking

18. **What types of challenges or concerns have customers raised?**

- System Not user friendly
- Terminology is changing and challenging

19. **Will the process be changed by another initiative in the near future?**

None
Chapter 9: Questionnaire for Potential Process Improvement Candidates

1. How would the process operate differently in the “Perfect Situation?”
   - Everyone would receive the same training, training would be uniform
   - Like it if once the receipts were scanned they would create the expense automatically
   - A profile for every traveler or employee – general info is automatically populated with the ability to change information as needed like CFOAPAL
   - Validation on fields at the time the expense is created
   - An acronym database
   - Users throughout the process being able to edit or send back to the original employee
   - Return for re-work that payables could use or automatically rejected so Payables does not have to process it further
   - Be able to manage the workload/workflow within the system to assign to Payables staff (Automatic sort distribution system)
   - Bigger field for business justification
   - Flexibility in field set up and layout
   - System would help direct the user when creating an expense report. (Example: Select expense type first)
   - Mobile application and features; like snap a photo of a receipt and starts the expense report
   - System reporting and metrics
   - Allow notifications to be sent from the system especially to active users (Example: Notifying TEM users when system will be down)
   - Allow payables to send information to a document owner without impacting the expense report process
   - Make sure all training manuals and materials are basic and user friendly
   - System templates for frequently used expense reports
   - A link to the videos and training materials directly in the system

2. What does the team hope to achieve through this improvement?
   - Time savings for everyone who has to interact with the expense report (including employees, Payables and approvers)
   - Less user error

3. Who would benefit from the desired improvement to the process?
   - Employees, Payables, Approvers, Purchasing
     a. How would we know?
        - Purchasing would have less expense reports to review
        - Less negative customer feedback
4. What data can be provided with respect to the process performance (e.g. service rating, cycle time, customer survey responses, etc.)?
   - Reduction in cycle change
   - Number of rejections
   - Identifying which departments have the most rejections

5. Who should be included in any improvement discussions for the process?
   - Payables, Purchasing, Department unit representatives, Approvers, IT support
Chapter 10: Current State Metrics

Metrics in three areas are being collected on each process. These metrics will be used to measure success in the future state.

- How long does the process take from start to finish?
  From 24 hours to 8+ weeks
- How many touchpoints are there per process?
  At least 7 but could be more
- How many steps are involved in each process?
  Approximately 63 steps
Chapter 11: Feedback from Customer Focus Groups – Current State

The Current State process was presented to each University’s Customer Focus Group on October 9, 10, and 11, 2017. A total of 13 people attended with 3 people in attendance from UIC, 2 people from UIS, and 8 people from UIUC.

Campus Focus Group Summary

- Many departments have their own process outside of TEM, usually approvals and some internal business rules
- Many departments use proxies who do all the entering and let them know via email it’s ready to submit
- Not sure what causes advances to bypass the Charge Code Reviewer – would like more info on this
- Overall experienced inconsistent processing of TEM, some get rejected and some don’t even if submitting multiple and expense reports are identical
- Wish searches could be by expense report number not by person who submits the expense report, in case they leave its difficult to track

Campus Focus Group Report

- Have internal rule that within 48 hours of return from travel then they are to submit everything to their proxy for entry
- Just because supervisor approved travel, cannot charge another person’s CFOAPAL and have an internal process to verify the cross-county expenditures are approved before payment
- Have a separate process built into TEM for NCAA compliance that after goes to charge-code reviewer, then routes for NCAA (sports games) compliance
- Paperwork is usually filled prior to the NCAA, and IF rejected, then it goes back to the originator, could be for a violation, or just for lack of proper documentation
- So I do all that and I’m also the proxy for our faculty, I have them give them the receipts, I put it into an expense report, let them know when it’s ready via email and tell them to review it and submit
- TEM is not compatible with vision impaired software
- Feels TEM works better for larger units with more approval staff, otherwise smaller units are having the expense reports approved by someone who is not familiar with their purchases

Issues:

- Advances bypass the Charge Code reviewer
- Not sure what is the trigger that causes them to bypass that fund? Is it due to the CFOAP used?
- They don’t know about them until they’re getting the receipts after the travel
- Experienced Inconsistent processing of TEMs
- Don’t like the word “rejected” Too harsh
- Current search is based on the person that input the request, if that person leaves, cannot search for those Expense Reports unless we have the expense report number - Why can’t it be by Org code instead?
- Department Card Manager can see everything, but Charge Code Reviewer does not
- Examples of different types of purchases would be helpful
- Example: Had an issue where a professor paid for rooms on behalf of some grad students, got rejected and we had to jump through hoops to finally get it approved
- Hotels require the cardholder to be present at check-in
TEM is not compatible with vision impaired software, we have some employees who are visually disabled and they need someone else to talk them through the screens and submit their ER. TEM works better for larger units with more people, but harder for smaller units b/c there is only person that does the processing forcing us to use our assistant to the dean who doesn’t really know about our purchases but still has to sign off on them. Overall likes TEM it a lot better than the paper vouchers. If you made a mistake, you couldn’t fix it right away, now it has a recall feature. I had an issue where I recalled it but the system wouldn’t immediately change it, it has to go through the approvals. Process itself I think works pretty well, seems people are getting paid pretty fast. Submit multiple TEM a week - at least 10 a week.
Chapter 12: Opportunities for Improvements

The following opportunities for improvement were identified through team discussions, and feedback provided by University Customer Focus Groups, and the Director Council. Issues were categorized into 6 categories, covering Communications, Documentation, Policy and Procedures, Resources, Technology, and Training. Issues shown in Bold are connected to a Recommendation for Improvement in Chapter 15: Recommendations for Improvements

<table>
<thead>
<tr>
<th>Communications – Issues related to providing information</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1 Terminology is changing and challenging</td>
</tr>
<tr>
<td>C2 Employee expectations, many think they should be given payment right away</td>
</tr>
<tr>
<td>C3 No list of email database to send announcements to specific roles (ex. CCC or Manager)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Documentation – Issues related to lack of documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1 Having to explain or write out the acronyms</td>
</tr>
<tr>
<td>D2 Payables doesn’t make or accept phone calls for simple rejects, they are documented within the expense report</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Policy/Procedures – Issues related to Procurement Policies and Procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1 Rejects must go back to the beginning, can’t be corrected by the charge code reviewer</td>
</tr>
<tr>
<td>P2 Retention around travel expense and receipts</td>
</tr>
<tr>
<td>P3 Explore raising the $10 limit for receipts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resources (Financial, Human) – Issues related to lack of sufficient staff or funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1 Cost to upgrade TEM</td>
</tr>
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<table>
<thead>
<tr>
<th>Technology – Issues related to system’s lack of functionality to support the process</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 Travel expense report number doesn’t match invoice number</td>
</tr>
<tr>
<td>T2 Difficult to identify who is getting the payment – picking the correct type of transaction is an issue</td>
</tr>
<tr>
<td>T3 Difficult to differentiate a transaction for a proxy and self (screens look the same and can cause re-work)</td>
</tr>
<tr>
<td>T4 Only a 30-60 minute time out in TEM and requires the users to sign in again</td>
</tr>
<tr>
<td>T5 Having to have a separate database just for sorting for work assignment</td>
</tr>
<tr>
<td>T6 Expense types by purpose appear differently or don’t appear</td>
</tr>
<tr>
<td>T7 Different roles see different screens, so troubleshooting is difficult</td>
</tr>
<tr>
<td>T8 System is not user friendly - bad navigation</td>
</tr>
</tbody>
</table>
## Technology – Issues related to system's lack of functionality to support the process

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T9</td>
<td>Lack of help within the system</td>
</tr>
<tr>
<td>T10</td>
<td>Lack of business rule flexibility, example if you buy a ticket 3 months ago and then it's over the time and this is an extra step for units and payables</td>
</tr>
<tr>
<td>T11</td>
<td>Browser compatibility issues</td>
</tr>
<tr>
<td>T12</td>
<td>Search is case sensitive</td>
</tr>
<tr>
<td>T13</td>
<td>Account codes lines may appear in different fiscal periods for the same transactions</td>
</tr>
</tbody>
</table>

## Training – Issues related to lack of understanding the process

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR1</td>
<td>Rejections are often rejected one at a time instead of identifying all the rejected issues</td>
</tr>
<tr>
<td>TR2</td>
<td>Lack of training on the allow ability for reimbursements</td>
</tr>
<tr>
<td>TR3</td>
<td>Many managers don’t do a review, they just approve it without looking</td>
</tr>
<tr>
<td>TR4</td>
<td>Lack of consistent training</td>
</tr>
<tr>
<td>TR 5</td>
<td>Better user manuals</td>
</tr>
</tbody>
</table>
Chapter 13: Suggested Improvements

The following recommendations came from discussions with the process team members, and/or the Director Council, and/or University customer focus groups. Not all improvements were selected by the process team. The selected improvements were presented to the University focus groups for feedback, and are recommended from review by the Director Council. A Suggested Improvement displayed in **bold** is associated with a Recommendation for Improvement, and is further discussed in Chapter 15: Recommendations for Improvements

<table>
<thead>
<tr>
<th>Number</th>
<th>Category</th>
<th>Suggested Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Communications</td>
<td>Users and employees should not be so critical of terms</td>
</tr>
<tr>
<td>2</td>
<td>Communications</td>
<td>Use USC report as an email database</td>
</tr>
<tr>
<td>3</td>
<td>Communications</td>
<td>Explore new modes of communications, eweek, social media, OBFS conferences and digital bill boards</td>
</tr>
<tr>
<td>4</td>
<td>Communications</td>
<td>Consistent Reasons – have boiler plate language</td>
</tr>
<tr>
<td>5</td>
<td>Documentation</td>
<td>Install and uses a chat (IM) function</td>
</tr>
<tr>
<td>6</td>
<td>Policy &amp; Procedure</td>
<td>Need to examine impact of travel allocation by fiscal year and the processing time for approval – does allocation apply regardless of when the travel is approved, may apply when travel happens near the end of a grant</td>
</tr>
<tr>
<td>7</td>
<td>Policy &amp; Procedure</td>
<td>Raise receipt limit to $25</td>
</tr>
<tr>
<td>8</td>
<td>Policy &amp; Procedure</td>
<td>Move to electronic archives only</td>
</tr>
<tr>
<td>9</td>
<td>Resources</td>
<td>Upgrade system so we don’t have an many problems</td>
</tr>
<tr>
<td>10</td>
<td>Resources</td>
<td><strong>Budget for future upgrades</strong></td>
</tr>
<tr>
<td>11</td>
<td>Resources</td>
<td>Do a cost analysis of cos vs. labor resources</td>
</tr>
<tr>
<td>12</td>
<td>System</td>
<td>Allow modifications to certain fields of expense reports after initial traveler submission such as the ability to change CFOAPAL</td>
</tr>
<tr>
<td>13</td>
<td>System</td>
<td>Ability to expense types</td>
</tr>
<tr>
<td>14</td>
<td>System</td>
<td>Ability to edit drop down lists</td>
</tr>
<tr>
<td>15</td>
<td>System</td>
<td>Ability to autofill and copy</td>
</tr>
<tr>
<td>16</td>
<td>System</td>
<td><strong>Color coded statuses for reimbursements</strong></td>
</tr>
<tr>
<td>17</td>
<td>System</td>
<td>Modify the cover sheet to show CFOAPAL title</td>
</tr>
<tr>
<td>18</td>
<td>System</td>
<td>Quick look up abilities such as terms and acronyms, hover overs and option pop ups</td>
</tr>
<tr>
<td>19</td>
<td>System</td>
<td>Revise TEM/Banner interface to recognize date of travel rather than purchase date</td>
</tr>
<tr>
<td>20</td>
<td>System</td>
<td>Upgrade TEM to the latest version</td>
</tr>
<tr>
<td>21</td>
<td>System</td>
<td>Have campus IT write new program</td>
</tr>
<tr>
<td>22</td>
<td>Training</td>
<td>Training for one-on-one for staff</td>
</tr>
<tr>
<td>23</td>
<td>Training</td>
<td>Make transaction/workflow status message more clear</td>
</tr>
<tr>
<td>24</td>
<td>Training</td>
<td>Look into improving off boarding process so approval processing doesn’t get interrupted</td>
</tr>
<tr>
<td>25</td>
<td>Training</td>
<td>Review rules prior to travel and university purpose for travel needs to be more clear</td>
</tr>
<tr>
<td>26</td>
<td>Training</td>
<td>Anything to get the users on board</td>
</tr>
<tr>
<td>27</td>
<td>Training</td>
<td>Post the 1 on 1 training classes in a more common area such as the 1st sign on the OBFS WEB</td>
</tr>
<tr>
<td>28</td>
<td>Training</td>
<td>Create comprehensive off boarding checklist</td>
</tr>
<tr>
<td>29</td>
<td>Training</td>
<td>Hold managers and CCRs accountable for errors and missing info and allow them to be backups for audits</td>
</tr>
</tbody>
</table>
Chapter 14: Feedback from Customer Focus Groups – Future State

The Future State process was presented to each University’s Customer Focus Group on November 13, 14, and 15, 2017. A total of 10 people attended with 3 people in attendance from UIC, 1 person from UIS, and 6 people from UIUC.

Campus Focus Group Summary

Explore new modes of communications – helpful, no emails, need more information on how to fix rejections
IM Chat – helpful but question if there are resources available to chat
One-on-one training – helpful, but recommend a calendar
Off-boarding checklist – helpful, but look into Proxys submitting expense reports if person leaves
Hold managers & credit card reviewers (CCR) accountable - Controversy over if it is unfair to hold the managers & CCR accountable for items they cannot fix. They can only approve or reject- they cannot fix the problems. Would like to have more tools. It needs to be defined what they are being accountable for

Campus Focus Group Report

1. Explore new modes of communications (e-week, social media, conferences)
   a. Feedback
      i. Would be helpful to have a new features tab on the OBFS webpage
      ii. Helpful to have a place for definitions for rejection terms
      iii. Instructions for how to fix something that was rejected (how to remove items, revise items, etc.) Not efficient to read through many chapters of the manual.
   b. What modes of communication is most useful?
      i. No emails
      ii. Announcements on the TEM page or in the system itself

2. Install and uses a chat (Instant Message (IM)) function
   a. Feedback
      i. They were all in favor. Love this idea
      ii. Would like all users & proxies to have access to chat since they constantly use it
      iii. They don’t see it actually happening or feasible- would at least like someone to answer the phone. If they don’t have someone to answer the phone, don’t see them answering the chat.
      iv. They would be happy having a simple search engine if it is less costly
      v. It would be much more efficient to fix problems

3. Color coded TEM sessions.
   a. Feedback
      i. Not necessary but would be useful

4. Quick look up abilities
   a. Feedback – would prefer a quick way to look up a previous TEM similar to amazon or google

5. Revise TEM/Banner interface to recognize date of travel
   a. Feedback – liked it
6. Post the 1 on 1 training classes
   a. Feedback
      i. There should be a calendar tool
      ii. Pop-ups would be helpful to announce different tools/training
      iii. Put the trainings in the newsletter ahead of time

7. Create off-boarding checklist
   a. Feedback
      i. It would be helpful. Yes, very supportive, but also would like to have a proxy be able to handle peoples TEM if gone, have had to cancel it and resubmit it as a temp vendor, found payables is not as fast getting these turned around, have even put in the notes if they know someone is leaving, and payables doesn't do anything, would like at least a checkbox. Maybe have approvers do an annual review of who is active in TEM, we currently wait until TEMs have a DONE status, but if its active and outstanding currently can't do anything until them

8. Hold managers & credit card reviewers (CCR) accountable
   a. Feedback
      i. Controversy over if it is unfair to hold the managers & CCR accountable for items they cannot fix. They can only approve or reject - they cannot fix the problems.
         1. Would like to have more tools.
         2. Could have issues with accountability if more than one person is able to change items.
      ii. It needs to be defined what they are being accountable for
      iii. The initiators should be held accountable (the users)
      iv. The wording of the recommendation sounds malicious and pointing the blame instead of describing a solution
      v. The cardholders and proxies need to learn how to use the system, so they don't keep making the mistakes
      vi. Ability to be able to fix simple mistakes such as a wrong account code or type. Not add or remove items.
      vii. Would be helpful to have checkpoints to stop people from quickly hitting approve.
      viii. Think it depends on who in payables get it, some get approved and another processor doesn't, and may get fined. Do feel it's the department responsibility. In the reject message have an example. Payables needs to be consistent b/c how would you ever hold the departments consistent
      ix. Think about partial payment, so if they can get paid for the stuff that's been approved like a conference, but if one line item get rejected instead of holding up the entire reimbursement, and you know exactly what is being rejected.

Other Suggestions

1. There is a small box for the source of reject. Need a bigger box
2. Hard to figure out how to do mileage
   a. Is it one-way or total mileage?
   b. Hard to know where to look for the current rate (if it is updated or not)
   c. Asks you if it is a round trip but it doesn't double the mileage
3. Reword the "reject" button
4. It would be helpful to have a fact or FAQ page within the system
5. Regular training videos/how-to page for individuals who don’t use the TEM system regularly
   a. A way to “brush up” on skills
6. Add a comment in the form to not use acronyms
7. Before hitting the submit button, have a pop-up that has advice on how to have the request approved
8. Have a drop down for how this befits the university
Chapter 15: Recommendations for Improvements

The recommendations have been identified for improvement. Five different categories were identified for the improvements, and each improvement received a level of implementation. The categories include Communications, Policy and Procedures, Resources, System, and Training. There are two levels of implementation: “short-term” indicates improvements suggested for the current system and process prior to the development of an RFP, and “long-term” indicates improvement to the process with an RFP for a new system. The recommendations are in order to make the process better, help the users understand the process, and make sure the process works.

<table>
<thead>
<tr>
<th>Number</th>
<th>Describe Potential Solutions</th>
<th>Category</th>
<th>Implementation Level</th>
<th>Related Issue(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Explore new modes of communications such as, eweek, social media, OBFS conferences and digital bill boards</td>
<td>Communications</td>
<td>Short Term</td>
<td>C1, C2, C3</td>
</tr>
<tr>
<td></td>
<td>This solution involves creating a working group who will determine who the audience should be and which are the best modes of communication for the target audience. Include the BMG (business managers group) to help determine the most useful and popular digital media. Topics should include training on TEM, reminders of common mistakes, FAQs, reasons for rejections, provide samples and scenarios. Working group should look into involving other internal resources such as the social media, marketing or communications team.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Who should be involved: BMG, Payables, Some TEM frequent users, inconsistent submitters, web team member</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Install and uses a chat (IM) function</td>
<td>Communications</td>
<td>Short/Long Term</td>
<td>C1, C2, C3</td>
</tr>
<tr>
<td></td>
<td>Create a technical working group to determine what IM functions are available and if this is included as part of the TEM Upgrade or is this a separate function that can be used. The IM function should have a way to store chat history and be able to set options as to who has access the chat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Who’s involved: AITS, Payables, TEM Vendor, Dept managers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Budget for future, regular or routine upgrades</td>
<td>Resources</td>
<td>Short Term</td>
<td>R1</td>
</tr>
</tbody>
</table>
### 14.0 Payment Processing Employee TEM Reimbursements

<table>
<thead>
<tr>
<th>Number</th>
<th>Describe Potential Solutions</th>
<th>Category</th>
<th>Implementation Level</th>
<th>Related Issue(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Who’s involved: Comptroller’s office, contract manager</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 4      | Color coded for a proxy session and for who the payment is for in the current TEM system  
Work with the TEM vendor to determine if the background or sessions screens can be color coded to help differentiate between roles and payees. | System           | Short Term/Long Term  | T1                |
| 5      | Quick look up abilities such as terms and acronyms, hover overs and option pop ups in the current TEM System to help navigate and clarify the process while entering a TEM. | System           | Short Term/Long Term  | T1-13             |
| 6      | Revise TEM/Banner interface to recognize date of travel rather than purchase date.  
This recognizes what fiscal year the travel occurred vs what year the tickets were purchased. Ex. If airfare was purchased in FY 17 but travel is not in FY18, in the past we took the swipe date, but now we want to take the date of the event or travel.  
This involves identifying those transactions for accounting.  
Work with AITS, Payables and accounting (UAFFR) to update the Banner interface to recognize date of travel. | System           | Short Term           | T1-13             |
| 7      | Upgrade TEM to the latest version  
We are currently at least 2+ versions behind, and the TEM vendor is no longer supporting us. There are a lot of issues with staying compatible with all the web browsers we use at the University and the TEM vendor is not updating the current university version. Research what is included in the latest version and determine if it will meet the business needs. | System           | Short Term/Long Term  | T1-13             |
<p>| 8      | Post the 1 on 1 training classes in a more common area such as the 1st sign on the OBFS WEB site                                                                                                                                   | System/Communications/Training | Short Term           | T1-13             |</p>
<table>
<thead>
<tr>
<th>Number</th>
<th>Describe Potential Solutions</th>
<th>Category</th>
<th>Implementation Level</th>
<th>Related Issue(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0</td>
<td>This would involve working with the OBFS web team to help advertise the one-on-one training that is currently available at least on a monthly basis. This could also be a popup as soon as the user opens TEM.</td>
<td>Procurement Services</td>
<td>OBFS</td>
<td></td>
</tr>
</tbody>
</table>
| 9      | Create comprehensive off boarding (leaves or retires) checklist  
This involves removing retired employees out of the TEM system, re-routing their TEM’s, removing or changing their permissions & access as well as making sure the charge codes get reset and queues transferred.  
This effort should involve Payables, Dept Mangers, USC, DCM. | Training                        | Short Term             | T1-13              |
| 10     | Hold managers and credit card reviewers accountable for errors and missing info and allow them to be backups for audits  
This effort should involve updating university policy so that it holds managers and CCR accountable for specific audit errors. In addition it would have to be determined and defined how we hold managers and CCR accountable and possibly implementing fines for audit findings and errors. Core areas that are a concern are business purpose, receipts and the time. Look into what other Universities are doing to handle this issues. This would help reduce the number of rejects by payables.  
Accountability needs to go back to the unit.  
Members of payables, Dept managers, CCR, University policy and auditors, Legal and Risk Management, USC. | Training/Policy and Procedure   | Short Term             | TR1                |
Chapter 16: Solutions Prioritization Matrix

The recommendation for improvements were reviewed and the potential solutions were prioritized by the Director Council. The below matrix contains the potential solutions for short term implementation and each ranked score.

<table>
<thead>
<tr>
<th>Describe Potential Solutions</th>
<th>Category</th>
<th>Ease of Implementation</th>
<th>Permanence of the Solution</th>
<th>Impact of the Solution</th>
<th>Cost of the Solution</th>
<th>Total Score (Average of The total product from each participant):</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Explore new modes of communications, eweek, social media, OBFS conferences and digital bill boards</td>
<td>Communications</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>40.71</td>
<td>8</td>
</tr>
<tr>
<td>2 Install and uses a chat (IM) function</td>
<td>System</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>25.14</td>
<td>10</td>
</tr>
<tr>
<td>3 Budget for future, regular or routine upgrades</td>
<td>Resources</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>56.00</td>
<td>7</td>
</tr>
<tr>
<td>4 Color coded for a proxy session and for who the payment is for in the current TEM system</td>
<td>System</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>58.29</td>
<td>6</td>
</tr>
<tr>
<td>5 Revise TEM/Banner interface to recognize date of travel rather than purchase date</td>
<td>System</td>
<td>1</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>180.43</td>
<td>2</td>
</tr>
<tr>
<td>6 Upgrade TEM to the latest version</td>
<td>System</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>74.00</td>
<td>4</td>
</tr>
<tr>
<td>7 Post the 1 on 1 training classes in a more common area such as the 1st sign on the OBFS WEB site</td>
<td>Training</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>118.29</td>
<td>3</td>
</tr>
<tr>
<td>8 Create comprehensive off boarding (leaves or retires) checklist</td>
<td>Training</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>208.43</td>
<td>1</td>
</tr>
<tr>
<td>9 Hold managers and CCRs accountable for errors and missing info and allow them to be backups for audits</td>
<td>Resources</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>33.00</td>
<td>9</td>
</tr>
</tbody>
</table>
### Solution Prioritization Matrix: Payment Processing Employee TEM Reimbursements

<table>
<thead>
<tr>
<th>Describe Potential Solutions</th>
<th>Category</th>
<th>Ease of Implementation:</th>
<th>Permanence of the Solution:</th>
<th>Impact of the Solution:</th>
<th>Cost of the Solution:</th>
<th>Total Score (Average of The total product from each participant):</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick look up abilities such as terms and acronyms, hover overs and option pop ups in the current TEM System to help navigate and clarify the process while entering a TEM</td>
<td>System</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>62.29</td>
<td>5</td>
</tr>
</tbody>
</table>
# Chapter 17: Future State SIPOC Diagram

<table>
<thead>
<tr>
<th>Process Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0 Payment Processing Employee TEM – Future State</td>
<td>November 2017</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUPPLIERS</th>
<th>INPUTS</th>
<th>PROCESS</th>
<th>OUTPUTS</th>
<th>CUSTOMERS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Who</strong> provides input to the process</td>
<td><strong>What</strong> goes into the process</td>
<td><strong>How</strong> the inputs are transformed to outputs</td>
<td><strong>What</strong> comes out of the process</td>
<td><strong>Who</strong> received the outputs of the process</td>
</tr>
<tr>
<td>University System Employee</td>
<td>Electronic Expense Reports</td>
<td>Enters Request for Payment</td>
<td>Completed payment request</td>
<td>University Department Unit</td>
</tr>
<tr>
<td>University System Employee Proxy</td>
<td>Advance Request (Program, travel)</td>
<td>Review &amp; approve Request for Payment</td>
<td>Payment Status Update</td>
<td>University System Employee</td>
</tr>
<tr>
<td>University Purchasing</td>
<td>Documentation</td>
<td>Review &amp; Approve Submitted Request for Payment</td>
<td>Rejected Payment Request</td>
<td>University System Employee Proxy</td>
</tr>
<tr>
<td>University Payables</td>
<td>Receipts</td>
<td>Export Request for Payment</td>
<td>Pending Payment Request</td>
<td>Accounting system (Banner)</td>
</tr>
<tr>
<td>University Departments</td>
<td>Approvals</td>
<td>Complete Request for Payment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USFSCO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Chapter 18: Future State Requirements

This is a comprehensive list of functional requirements and technical requirements for the future state of the Payment Processing Employee TEM Reimbursements process. Excluded from this list are any requirements for functionality outside of the scope of this specific process, such as security, accessibility, etc., which will be handled in a different process.

Ability to

1. Use templates for multiple vouchers
2. Have systems communicate with each other (i.e. Banner and TEM)
3. Have everyone see the same screens with some screens as view only for certain users
4. Budget and plan for system updates
5. Use a travel plan to populate the expense report in the system
6. Verify info before submitting (CFOAPAL, Banner ID)
7. One on one training and help
8. Know when the expense report has been rejected (status)
9. To set up business rules to hold managers accountable
10. Reporting capabilities in the system (real time)
11. Easy communication within expense report with document owner and payables, Live chat, IM
12. Chat and IM that includes a history log and a time out which then sends an email to the responder
13. Attach approved documents
14. Write notes at all levels
15. Add receipts at all levels
16. Help functions in system
17. Mobile receipt capability
18. Allow for Multi CFOAPAL and unit approvals
19. Rejects should be edited with restrictions by manager
20. Have only two drop downs – Vendor Pay and Employee Pay
21. Force users to select expense type first then purpose
22. Easy Receipt look up functions at any level
23. Have expense report number become invoice number
24. When user opens the system, show pop up messages about updates
25. Robust workflow routing within the system
26. Transparency of reimbursement in the process (be able to see where it is in the process and who has it)
27. Robust pre trip approval
28. Configure business rules within the system
29. Visually appealing – icons, proxy, sessions etc.
30. More intuitive, easier to navigate
31. Real time CFOAPAL additions and inactivation ability
32. Multiple Ways to sort payables workload and flow
33. Payment invoice expense report numbers searchable in all systems
34. Real time workflow status
35. CFOAPAL validation at all points of the process
36. Open the whole open queue for processing (no limit)
37. Escalation of charge code review – so transaction doesn’t just stop and sit
38. Recall expense reports form review queues
39. Proxy capability
40. OCR capabilities in back up docs
41. Be able to move a reimbursement from one queue to another
42. Complete Mobile platform (approve, attach receipts, respond)
Chapter 19: Subject Matter Expert Team

The following individuals participated on the Subject Matter Experts:

<table>
<thead>
<tr>
<th>Name</th>
<th>University/Department</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeAnn Behrens</td>
<td>UIUC/AITS</td>
<td>Enterprise Systems Specialist</td>
</tr>
<tr>
<td>Jennifer Black</td>
<td>UIUC/Crop Science</td>
<td>Account Technician III</td>
</tr>
<tr>
<td>Malgorzata Stanko</td>
<td>UIC/Purchasing</td>
<td>Proc. Office Specialist</td>
</tr>
<tr>
<td>Melissa Plotner</td>
<td>UIUC/OBFS - Payables</td>
<td>ASST DIR Payables</td>
</tr>
<tr>
<td>Penny Benner</td>
<td>UIUC/Div. Of Animal Research</td>
<td>Business Operational Specialist</td>
</tr>
<tr>
<td>Penny Halverson</td>
<td>UIC/Physical Plant</td>
<td>Business Manger</td>
</tr>
<tr>
<td>Susan Zukosky</td>
<td>UIUC/Info. Trust Institute</td>
<td>Manger of Res Admin</td>
</tr>
<tr>
<td>Tammy Ziegler</td>
<td>UIUC/OBFS - Payables</td>
<td>Business Admin</td>
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</table>
Chapter 20: University Focus Group Participants

The following list of individuals participated in a University Focus Group meeting either during the current state and/or the future state of the BPI project.

<table>
<thead>
<tr>
<th>Name</th>
<th>University</th>
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<tbody>
<tr>
<td>Angie Helmuth</td>
<td>UIUC</td>
</tr>
<tr>
<td>Brent West</td>
<td>UIUC</td>
</tr>
<tr>
<td>Carla Pinaire</td>
<td>UIUC</td>
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<tr>
<td>Denise Lee</td>
<td>UIC</td>
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<td>Elizabeth Dooley</td>
<td>UIC</td>
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<tr>
<td>Faith Thurmond</td>
<td>UIC</td>
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<tr>
<td>Jana Sage</td>
<td>UIUC</td>
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<tr>
<td>Jane Gomez</td>
<td>UIUC</td>
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<tr>
<td>Magda Aldana</td>
<td>UIC</td>
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<tr>
<td>Sandra Helregel</td>
<td>UIUC</td>
</tr>
<tr>
<td>Trevea Grant</td>
<td>UIS</td>
</tr>
<tr>
<td>Yolanda Rodriguez</td>
<td>UIC</td>
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</tbody>
</table>
Appendix A: Business Glossary

None