NJIT Research

Streamlyne Online Database System

Proposal Submission and Grant Management
## Benefits of Streamlyne Submission: Internal Approvals

<table>
<thead>
<tr>
<th>Internal Sign-offs and COI Process</th>
<th>Online Streamlyne Database System</th>
<th>Paper-Based System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate progression to next step in the approval queue</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Multiple offices approval: Multi-PIs/depts/deans</td>
<td>Fast/Concurrent</td>
<td>Slow</td>
</tr>
<tr>
<td>Online Tracking</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Online Transparency</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Off-campus access</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Monitoring process with statistics</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Database integration statistics: submission KPIs</td>
<td>✓</td>
<td>✗</td>
</tr>
</tbody>
</table>
# Benefits of Streamlyne Submission: Compliance

<table>
<thead>
<tr>
<th>Submission to Award Compliance</th>
<th>Online Streamlyne Database System</th>
<th>Paper-Based System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking proposals for potential use of human subjects, animals, bio-hazardous materials</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Monitoring approvals and renewals to compliance</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Tracking and monitoring proposals for cost sharing</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Management of institutional resources: renovations, cost share, etc</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Transparency and proactive actions on award</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Monitoring process with database statistics</td>
<td>✓</td>
<td>x</td>
</tr>
</tbody>
</table>
## Streamlyne Integration: Award Management

<table>
<thead>
<tr>
<th>Database Integration and Award Management</th>
<th>Online Streamlyne</th>
<th>Paper-Based System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management and monitoring of subcontracts and agreements</td>
<td>✅</td>
<td>✗</td>
</tr>
<tr>
<td>Tracking and monitoring budget transfer and approval requests</td>
<td>✅</td>
<td>✗</td>
</tr>
<tr>
<td>Integration with award database and Banner finance system for grant/contract management: online billing; closing, no-cost extension</td>
<td>✅</td>
<td>✗</td>
</tr>
<tr>
<td>Management of institutional resources: cost share, etc</td>
<td>✅</td>
<td>✗</td>
</tr>
<tr>
<td>Transparency, planning analysis and error check</td>
<td>✅</td>
<td>✗</td>
</tr>
</tbody>
</table>
Streeamlyne Database System: Current Status

• Customization with NJIT research community for online budget preparation, review and approval.
• Online reporting and tracking system
• Online monitoring and submission data analysis for improving the efficiency and pro-active approaches
• S2S submission to grants.gov
  – Regular budget: okay
  – Modular budget glitches: in testing phase
• Research compliance processing and monitoring: in progress
• Integration with Banner Financial System: 2018 onward
• Other grant management and tracking initiatives:
  – Online invoicing and billing: in testing phase
  – Burn rate notification: to start in March 2017
Streamlyne Submission Training and Help

- College Ambassador Training and Q&A
- College Ambassador Proposal and Budget Preparation and Submission Help
- SRA Training Session and Online Help
- Office of Research Walk-In Proposal Submission Help
### Streamlyne Submission KPIs

<table>
<thead>
<tr>
<th>Steamlyne: Proposal Submission KPI</th>
<th>NCE</th>
<th>CSLA</th>
<th>YWCC</th>
<th>MTSoM</th>
<th>CoAD</th>
<th>ALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of proposals submitted since 9/2016</td>
<td>60</td>
<td>73</td>
<td>22</td>
<td>4</td>
<td>2</td>
<td>161</td>
</tr>
<tr>
<td>Total number of proposals submitted since 1/2017</td>
<td>16</td>
<td>15</td>
<td>8</td>
<td>2</td>
<td>2</td>
<td>43</td>
</tr>
<tr>
<td>Average time: complete status to final dean’s approval (straight)</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Average time: complete status to final dean’s approval (recalls)</td>
<td>13</td>
<td>1</td>
<td>19</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Average time: final dean’s approval to submission (straight)</td>
<td>6</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Average time: final dean’s approval to submission (recalls)</td>
<td>8</td>
<td>5</td>
<td>8</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>
Noteworthy Trends

• Most leading research universities have already adopted the online and integrated database system based approach to managing research proposal submission and grant management system.
• Proposal submission systems can only provide direct submission to grants.gov.
• Proposals to other agencies have to be submitted through their specific processes but information is uploaded to the online system (such as Streamlyne) for following up with databases from proposal submission to award management and closing.
We need to go through this learning experience together to adapt to the online system so that a strong integrated research information system infrastructure can be provided to the NJIT research community to allow our researchers to focus more on their productivity.

Integrated Team Effort
Initiators/Researchers, Reviewers/Ambassadors, Approvers, SRA and Administrators
Thank You!
Implementing Electronic Research Administration Systems – What Are The Things That Matter?

Dennis Paffrath, University of Maryland
Lisa Mosley, Arizona State University
Georgette Sakumoto, University of Hawaii
Michiko Taniguchi Pane, Stanford University
SYSTEM DRIVERS

- Home grown system is outdated
- System to System (S2S) submissions
- Global expansion
- Any-time Any-where
- Science driven not data driven
- Electronic files (no more paper files)
BACKGROUND

- University of Hawaii (UH) System has ten (10) campuses across the Hawaiian islands (Kauai, Oahu, Maui, Hawaii Island)
- UH is a Land Grant, Sea Grant and Space Grant Institution
- Annual sponsored program awards total $490 M
- Prior system - infoEd Proposal Tracking (PT) module for proposal and award tracking and reporting at the central office
DEFINING THE BUSINESS NEED

- Define your business needs: What are the current state issues that need to be addressed?
  - Transparency
  - Stand-alone systems requiring redundant data entry
  - Inconsistent data elements requiring manual reconciliation across systems
  - Inconsistent processes across multiple offices
  - Processing delays
**MODULES TO ADDRESS KEY PAIN POINTS**

- **Electronic Proposal Routing**
  - paper-based proposal data collection and routing form
  - manual routing of up to 7 different signatures
  - no tracking

- **Proposal & Award Transaction Processing**
  - need to replace old mainframe technology (1983)
  - duplicate data entry
  - no transparency

- **Account Set-Up**
  - non-integrated web-based account configuration form
  - non-integrated financial system
  - duplicate data entry and no transparency

- **Subawards & Subrecipient Monitoring**
  - non-integrated transaction database + monitoring spreadsheets
  - duplicate data entry
  - no transparency

- **Project Reporting & Closeout Management**
  - non-integrated closeout database
  - duplicate data entry
  - manual closeout notification process