Excerpted for ArchitecturePlus Panel Discussion June 30, 2008

Planning and Investment Review Working Group (PIRWG)

BY 2010 Select Phase Kick Off

Presented by the Enterprise Architecture Program Office

June 3, 2008
Using EA to Guide Select Phase Deliberations

- **Context**: Groups Investments into Department-Level Mission Activities
- **Goals**: Highlights Department, Segment, and Investment Goals
- **Gaps**: Identifies Program Office Business Needs
- **Dependencies**: Clarifies Dependencies Between Segments
- **Spend**: Summarizes Spending Per Segment
- **Modernization**: Describes Mission-Focused Opportunities for Consolidation/Modernization
- **Performance**: Lists Upcoming Milestones and Metrics (Value and Benefits)
# Segment Architecture Development Timeline

<table>
<thead>
<tr>
<th>Segment Name</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Loans</td>
<td>Completed Q2 FY2007</td>
</tr>
<tr>
<td>Grants</td>
<td>Completed Q2 FY2008</td>
</tr>
<tr>
<td>IT Infrastructure Management</td>
<td>Completed Q2 FY2008</td>
</tr>
<tr>
<td>Budget Formulation and Execution</td>
<td>Planned Completion: Q4, FY2008</td>
</tr>
<tr>
<td>Evaluation and Policy Analysis</td>
<td>Planned Completion: Q1, FY2009</td>
</tr>
<tr>
<td>Identity Management</td>
<td>Planned Completion: Q2, FY2009</td>
</tr>
<tr>
<td>Compliance</td>
<td>Planned Completion: Q1, FY2010</td>
</tr>
<tr>
<td>Financial Management</td>
<td>Planned Completion: Q1, FY2010</td>
</tr>
<tr>
<td>Research</td>
<td>Planned Completion: Q1, FY2011</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>Planned Completion: Q1, FY2011</td>
</tr>
<tr>
<td>Information Dissemination</td>
<td>Planned Completion: Q1, FY2012</td>
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**Legend:**
- **Completed**
- **Under Development**
- **Planned**

*A Segment Architecture is a detailed architecture and transition plan for a portion, or “segment”, of the enterprise*
## Each Segment Requires Primary Business Capabilities

<table>
<thead>
<tr>
<th>Segment</th>
<th>Vision</th>
<th>Primary Business Capabilities</th>
</tr>
</thead>
</table>
| Loans                       | Deliver the right aid, to the right people, at the right time          | • Integrated front-end system for aid applicants and partners  
• Shared data repository of key information  
• Improved partner security and system access enrollment  
• Improved fraud detection and error correction in student aid programs |
| Grants                      | Create agency-wide capability utilizing common tools and processes to speed disbursement and improve effectiveness from funds distributed | • Workflow-enabled collaborative grants planning  
• On-line application  
• Collaborative review, electronic document storage, workflow tracking, and integrated financial management  
• Performance monitoring and reporting, risk management, and electronic document/records storage |
| Evaluation and Policy Analysis | Conduct evidence-based evaluation that informs program and policy decisions while reducing the data collection burden for customers | • Evidence-based planning  
• Consolidated data collection  
• Tool-based analyses |
| Research                    | Provide greater awareness of and timely access to evidence-based research | • Collaborative research planning  
• Comprehensive data collection and analysis  
• Knowledge management and sharing |
| Information Dissemination   | Provide ready access of relevant department education information to outside constituencies | • Workflow-enabled planning  
• Multi-channel information distribution (web, extranet, phone, mail, etc.)  
• Requestor self-service |
| Compliance                  | Ensure consistent high quality and efficient compliance services that meet customer needs | • Advanced analytical capability to identify and prioritize work  
• Efficient compliance receipt and intake |
Each Segment Requires Primary Business Capabilities – cont’d

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</table>
| **Administration:** **Financial Management** | Deliver responsive financial management capabilities, including centralized data, increased access, electronic recordkeeping, and improved reporting. | • Financial integration and alignment with government-wide financial management initiatives  
• IT-Business alignment, portfolio management, and shared common enabling services |
| **Administration:** **Human Capital Management** | Improve strategic management of the Department’s human capital | • Government-wide HRLoB solution integration  
• Capabilities include training, recruitment, workforce planning, and payroll |
| **Administration:** **ID Management** | To build and enable mutual trust needed to support widespread use of electronic identity authentication interactions between the public and government. | • Access control  
• Authentication  
• Enable HSPD-12 compliance |
| **IT Infrastructure** | Improve customer service and reduce ED Operational risks by improving performance, providing a common technology platform for business applications, and facilitating better information management | • Document Management  
• Collaboration  
• Messaging  
• Network Support  
• IPv6  
• Work Management  
• Align with Federal IT Infrastructure Line of Business |
| **BF&E** | Enable ED budget personnel to reduce manual processes and improve budget formulation and execution efficiency and data accuracy. | • Alignment with the Federal BF&E Line of Business  
• Data Analysis  
• Collaboration |