Technology Services Board Portfolio and Policy Subcommittee Meeting

November 15, 2016
9:00 a.m. - 12:00 p.m.
<table>
<thead>
<tr>
<th>TOPIC</th>
<th>LEAD</th>
<th>PURPOSE</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and opening remarks</td>
<td>Michael Cockrill</td>
<td>Information</td>
<td>9:00</td>
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<tr>
<td>Project Updates</td>
<td></td>
<td></td>
<td>9:10</td>
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<tr>
<td>• SBCTC – ctcLink</td>
<td>Rob St. John</td>
<td>Discussion</td>
<td>9:10</td>
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<tr>
<td>• ESD - UTAB</td>
<td>Jim Hammond</td>
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<tr>
<td>• DFW – WILD</td>
<td>Whitney Dickinson</td>
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<tr>
<td>• ECY – Attendance Tracking Replacement (eTime)</td>
<td>Jim Hammond</td>
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<td></td>
<td>Whitney Dickinson</td>
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<tr>
<td>Agency Project Review</td>
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<tr>
<td>• DSHS – Electronic Medical Records</td>
<td>Rob St. John</td>
<td>Discussion/Feedback</td>
<td>10:10</td>
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<tr>
<td>o Carla Reyes – Assistant Secretary, DSHS</td>
<td>Rob St. John</td>
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<td>o Wayne Hall – CIO, DSHS</td>
<td>Kathy Pickens-Rucker</td>
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<td>o Sara Tripp – Behavioral Health Administration CIO, DSHS</td>
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<tr>
<td>• Identity Management – SEAP / SAW (service)</td>
<td>Rob St. John</td>
<td>Discussion/Feedback</td>
<td>11:10</td>
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<tr>
<td>• WaTech – Identity Management (project)</td>
<td>Michael Cockrill</td>
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<td>11:10</td>
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<tr>
<td>o Heidi Geathers – Deputy Director, WaTech</td>
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<tr>
<td>Legislative Updates</td>
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<tr>
<td>• Agency Decision Packages</td>
<td>Rob St. John</td>
<td>Discussion/Feedback</td>
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<td></td>
<td>Jim Hammond</td>
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<tr>
<td>Project Dashboard Review</td>
<td>Rob St. John</td>
<td>Information</td>
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<td>Public Comment</td>
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<td>11:55</td>
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**ADJOURN – 12:00 noon**
## Current TSB Portfolio & Policy Subcommittee Members

<table>
<thead>
<tr>
<th>Industry Members</th>
<th>Legislative Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kris Kutchera – Alaska Airlines*</td>
<td>Sen. Mark Miloscia - Senate R</td>
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<tr>
<td>Butch Leonardson – BECU*</td>
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<tr>
<td>Paul Moulton - Costco</td>
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<table>
<thead>
<tr>
<th>Executive Branch (Agency Directors)</th>
<th>Other Government</th>
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</thead>
<tbody>
<tr>
<td>Michael Cockrill – CIO &amp; Chair</td>
<td>Bill Kehoe – CIO King County</td>
</tr>
<tr>
<td></td>
<td>Jeff Paulsen – Labor Rep</td>
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</tbody>
</table>

Blue – members participating
Black – members absent

November 15, 2016
Project Updates

Discussion
## Principles for board review of projects

<table>
<thead>
<tr>
<th>Impact project has on entire enterprise or multiple agencies, on the public, or strategy</th>
<th>Early exposure</th>
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</thead>
<tbody>
<tr>
<td>Judgment call by oversight consultants or QA consultants based on review of dashboard status</td>
<td>Projects in statute or budget proviso</td>
</tr>
<tr>
<td>Significant dollar threshold – “significant” based on judgment (guidance is $3M)</td>
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November 15, 2016
SBCTC – ctcLink

• Criteria

• Business problem to be solved

• Progress to project goals – ctcLink Readiness Dashboard

• Current status - IT Dashboard

• Discussion
ESD-Unemployment Tax and Benefit (UTAB) System

• Criteria
• Business problem to be solved
• Progress to project goals
• Current status - [IT Dashboard](#)
• Discussion

November 15, 2016
DFW – Washington Internet Licensing Database System (WILD)

• Criteria

• Business problem to be solved

• Progress to project goals

• Current status - [IT Dashboard](#)

• Discussion
ECY – Attendance Tracking Replacement System (eTime)

• Criteria

• Business problem to be solved

• Progress to project goals

• Current status - IT Dashboard

• Discussion
Questions / Discussion
Agency Project Review

Discussion / Feedback

November 15, 2016
DSHS – Electronic Medical Records

• Introductions
  • Criteria

• Project Need

• EHR/EMR Landscape

• Current status – IT Dashboard

• Go forward plan
  • Options under consideration

• Discussion

November 15, 2016
Identity Management – SEAP / SAW (service)

• Heard from projects – SEAP / SAW problems

• Start with policy – OCIO has required that agencies use WaTech service, etc.

• Michael’s memo– Cat 3-4 data must use MFA through SAW
WaTech – Identity Management (project)

• Criteria

• Business problem to be solved

• Progress to project goals
  • Policy / Standards

• Current status - IT Dashboard

• Discussion

November 15, 2016
Identity Management Strategy

Cloud Enablement Program

- Identity & Access Management
- Office 365
- Cloud Infrastructure
- Brokered Cloud Services

November 15, 2016
Our Vision is to:

Provide users with secure, easy access to applications and data using a single identity and reduce the amount of unmanaged user accounts.
Cloud services already in production

Shared Office 365 Tenant

- Activation of O365 Licenses
- Support for Office365 ProPlus

Active Directory Federation Services (ADFS)

- 100+ trusts to Software-as-a-Service providers
- Federation with other forests (DOT and Legislative service center)
- Federation with SAW provides single sign-on for external users to Claims Aware Applications in EAD

November 15, 2016
What are we doing now?

**Identity & Access Management**
- Phase II Project initiation
- Production Environment
- Business Process Analysis
- Active Directory Backup

**Office 365**
- Project Initiation
- SharePoint Online Pilot (ESD)
- OneDrive for Business Pilot (ESD)
- Project Online Pilot (WaTech)

**Cloud Enablement**
- Amazon Web Services (HCA)
- Azure Development (ESD)
- Agency Consults (DSHS, DFW, ESD, DOH, ECY, LNI, LCB, MIL, PDC, and counting…)

November 15, 2016
Cloud Services Roadmap

This roadmap depicts the major milestone activities of WaTech to enable the State of Washington to take advantage of cloud services provided by Microsoft and other vendors.

This model:
- Supports current Enterprise Active Directory (EAD) customers within the state government network (SGN)
- Assumes agencies are responsible for purchasing appropriate licensing

1st Qtr. 2017
- ADFS 4.0 Upgrade
- Establish Active Directory Federated Service (ADFS)
- Shared Tenant
- Exchange 2016 Upgrade
- Self Service Password Reset
- SharePoint Online

2nd Qtr. 2017
- Project Online
- Oracle Drive

3rd Qtr. 2017
- Infrastructure for Cloud Services

4th Qtr. 2017
- Secure dedicated network for performance, improved security and administration capabilities

1st Qtr. 2018
- Microsoft Azure & other IaaS Services
- Amazon Web Services & other SaaS Services
- Power BI, Visual Studio, Dynamics 365

November 15, 2016
### IAM Phase II Objectives

#### Establish Hybrid Identity
- Upgrade to ADFS 4.0
- Upgrade to AAD Connect
- Azure MFA integration with ADFS

#### WaTech IAM Production Pilot
- Deploy MIM Services
- Implement SSPR, User and Admin Portals
- Implement Group Management
- Establish HRMS data feed
- Approvals and workflows
- Evaluate Reporting
- Evaluate PAM

#### Enhance EAD
- Standardize EAD attributes
- Replace PSK with certificates
- EAD object-level backup
- Standardized Documentation
- Update OCIO IAM Policies
What’s new in ADFS 4.0? (Active Directory Federation Services)

- Multi-factor authentication integration with Azure Active Directory Premium.
- Support for newer federation protocols such as OAUTH.
- Device Registration for non-Windows devices.
- Fine grained conditional access rules that can be customized per application.
- Customizable user interface.
- Web Application Proxy for extranet access to claims aware applications.
- Home Realm Discovery based on organizational suffix – no more pull down list.
- Certificate authentication.
Questions / Discussion
Legislative Updates

Information / Discussion
IT Budget Request Prioritization FY17-19
Where Are We?

- Establish Criteria
- Weight Criteria
- Ranking DPs
- CIO Judgment
- Report Out

November 15, 2016
## IT Budget Request Prioritization FY17-19

Preliminary Numbers (compared to previous years)

<table>
<thead>
<tr>
<th>Budget Years</th>
<th>DP Count</th>
<th>Fund Sources (millions)</th>
<th>TOTAL (millions)</th>
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<td>GFS</td>
<td>Other</td>
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<td>2014</td>
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IT Budget Request Prioritization FY17-19
Preliminary Numbers

IT Budget Request 2014 thru 2017
(dollars in millions)
IT Budget Request Prioritization FY17-19
What We Are Seeing

• TOP DOLLAR REQUESTS

• STATE DATA CENTER REQUESTS

• IT SECURITY FOCUS

• ADMINISTRATIVE / FINANCIAL

• RADIO SYSTEMS
Project Dashboard Review
The Office of the Chief Information Officer (OCIO) is committed to enhancing the transparency of information technology (IT) projects in Washington State. In order to facilitate this enterprise-wide transparency around major information technology projects the (OCIO) has launched this centralized, publicly accessible, web-based reporting tool.

By statute (RCW 43.106.245 and RCW 43.106.265) the OCIO is required to approve and monitor all major IT projects occurring in any executive branch agency or institution. By statute (PESB 60.34, Section 544) the OCIO is also required to provide web-based transparency into the documents that support approval and oversight of these projects.

As you explore the projects on this dashboard please note it is the responsibility of each of agency, with the support of the OCIO, to reflect the current status of each project and maintain the documentation that allows for transparency.

If you have questions about the dashboard please contact the OCIO Consultants at OCIOConsultants@ocio.wa.gov

<table>
<thead>
<tr>
<th>Agency</th>
<th>Number of Projects</th>
<th>Total Project</th>
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<tbody>
<tr>
<td>Arts Commission, Washington State</td>
<td>1</td>
<td>$305,000</td>
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<tr>
<td>Caseload Forecast Council</td>
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<td>$61,775</td>
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<td>Community and Technical Colleges, State Board for</td>
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<td>Corrections, Department of</td>
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Public Comment