



Consolidated Technology Services • WA

# Agenda

## SDC Projects Steering Committee

August 1, 2012  
1:00 pm to 2:00 pm  
Conference Room 5092

- SDC project Budget Baseline – Rick C
- SDC Project Reports – Service Owners and PMs
  - Heat Reduction – Update
  - Network Core – Status of Cisco Engagement
  - Security – Contract signed?
  - Storage Optimization – RFQQ Status
  - OB2 Risk Mitigation Phase 1 – Background and Update
  - WSP – Background and Update
- SDC Migration Roadmap – Dan M
  - Design Decisions being worked:
    - Fiber pathways and terminations in OB2 and between OB2 and the SDC
    - SDC Storage Switch placement
    - SDC Storage Placement
    - SDC Network Roadmap
    - Nexus 2k use & design
    - Converged Networking
- High Priority Issues: - Dan M
  - Pathway is needed to connect the 9513 switches in the OB2
  - Potential SDC Customers will need to know the billing rates
  - Roles & Responsibilities for the Storage Switches and converged network
  - Will agencies be allowed to bring their corporate networks into the SDC?

Next Meeting: August 15<sup>th</sup>, 2012



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# Meeting Minutes

**State Data Center Projects  
Steering Committee  
August 1, 2012  
1500 Jefferson, Rm 2208**

**Steering Committee Attendees:** Christy Ridout, Dan Mercer, Michael Martel, Wendy Huff, Agnes Kirk, Debbie Kendall, Doug Hieronymus, Gordon Ice, Steve Fowler, Dan Davis, Kay Metsker, Bruce Shurtz. **Not present:** Heidi Brownell, Bob Walk, Phil Davis, Lance Calisch

**Other Attendees:** Rick Cook, Sally Alhadeff, Scott Lindekugel, Toni Backstrom

ISSUES AND/OR DISCUSSION	
Agenda Topic	Discussion
<b>SDC Project Budget Baseline (Rick Cook)</b>	<ul style="list-style-type: none"> <li>An update has been made to the March 6<sup>th</sup> SDC Scope document. It reflects adjustments based on approved investment plans.</li> <li>The March 6<sup>th</sup> baseline had a total budget of \$38.3m and the new baseline, with approved investment plans, is \$39.45m.</li> </ul>
<b>SDC Migration Roadmap and Design Decisions (Scott Lindekugel)</b>	<ul style="list-style-type: none"> <li>Architects from telephony, storage, network, security, and servers are meeting twice a week to develop a migration roadmap for the SDC.</li> <li>One of the goals is to work with PM's and appropriate people to uncover design gaps and critical path issues. Documentation can be found on the SDC project SharePoint site.</li> <li>Several Design Decisions are currently being worked (see design decision log on the project's SharePoint site for current status).</li> </ul>
<b>High Priority Issues (Dan Mercer)</b>	<ul style="list-style-type: none"> <li>Fiber pathway is needed to connect the 9513 switches in OB2. This is being worked by architects and is on the critical path for Storage.</li> <li>Potential SDC Customers will need to know the billing rates (Being worked on by finance and OFM).</li> <li>TSD and Storage are working to define roles &amp; responsibilities for the storage switches and converged network. This is close to completion.</li> <li>Will agencies be allowed to bring their corporate networks into the SDC? TSD has provided a recommendation. This is pending management decision.</li> </ul>
<b>SDC Project Reports</b>	<ul style="list-style-type: none"> <li>Heat reduction -data collection templates are back. The initial results show there was a minimal amount intended to be turned off. Some agencies are replacing infrastructure but not eliminating heat and others are turning off equipment in order to move to the SDC. The 2<sup>nd</sup> part of the project was to establish a plan for communicating to agencies in the case of a cooling system failure.</li> <li>Network core – A full inventory list is being provided to Cisco. Next week, August 6<sup>th</sup>-8<sup>th</sup>, Cisco will be onsite to match up inventory and restart design sessions. Rack and stack is targeted to start around September.</li> <li>Security- The contract was signed with the vendor. The next step is</li> </ul>



ISSUES AND/OR DISCUSSION	
Agenda Topic	Discussion
	<p>completing the Statement of Work (SOW).</p> <ul style="list-style-type: none"> <li>Storage Optimization – Evaluating RFQQ responses. References have been contacted and the evaluation is on track to complete on schedule.</li> <li>Lab - Dan is taking a lead role to make sure requirements are documented and progress is made. Security needs a working lab for firewall testing and burn-in.</li> <li>Virtualization – CTS is close to 60% virtualized. Kay to provide a more precise figure to Christy.</li> <li>Move phase 1 – The current plan includes approximately 200 milestones. Schedule starts around August 2012 and completes by June 2014 depending on investment plan approvals.</li> <li>WSP charter was drafted in March. First phase includes establishing network connectivity and conducting a pilot test. Second phase includes full migration. WSP has requested a formal agreement to document expectation for the service. WSP’s physical security requirements are being confirmed. OCIO made a commitment to WSP that CTS will pay for their move. This needs to be worked out between the agencies and OFM.</li> </ul>

## 1. New Action Items

Item	Action Item	Assignee	Target Due Date	Comments
1	Kay to provide the percentage CTS is virtualized to Christy.	Kay Metsker		
2				

## 2. Upcoming Meetings

Meeting	Details
Next Meeting	<a href="#">August 15, 2012, 1:00-2:00, Room 2208</a>

# SDC Steering Committee Meeting

August 1, 2012



# Agenda

- SDC Project Budget Baseline – Rick C.
- SDC Project Updates – Service Owners and PMs
  - Heat Reduction – Update
  - Network Core – Status of Cisco Engagement
  - Security – Contract signed?
  - Storage Optimization – RFQQ Status
  - OB2 Risk Mitigation Phase 1 - Background and Update
  - WSP - Background and Update
- SDC Migration Roadmap – Dan M.
- High Priority Issues – Dan M.
- Questions



# SDC Project Baseline Budget

- Initially set on March 6
- Updated to reflect approved investment plans



# SDC Project Baseline Budget

	Phase	Orig Baseline 3/6/2012	Revised Baseline 6/30/2012	Difference
0	SDC Program	\$2,729,570	\$2,729,570	\$0
1	Heat	\$0	\$0	\$0
2	Facilities	\$2,473,817	\$2,673,817	\$200,000
3	NW Core	\$8,785,392	\$8,592,141	-\$193,251
4	Firewall	\$3,514,000	\$3,671,579	\$157,579
5	Storage	\$3,483,441	\$4,294,613	\$811,172
6	Cloud	\$1,000,000	\$1,000,000	\$0
7	CTS-P1	\$6,535,512	\$6,700,814	\$165,302
8	VTL	\$1,950,000	\$1,950,000	\$0
9	CTS-P2	\$4,338,749	\$4,338,749	\$0
10	OB2-Opt	\$1,500,000	\$1,500,000	\$0
11	WSP	\$2,000,000	\$2,000,000	\$0
	<b>Totals</b>	<b>\$38,310,481</b>	<b>\$39,451,283</b>	<b>\$1,140,802</b>

# SDC Project Updates

- Heat Reduction – Update
- Network Core – Status of Cisco Engagement
- Security – Contract signed?
- Storage Optimization – RFQQ Status



# SDC Project Updates – Move Phase 1

- Project task plan and schedule are drafted. The investment plan is under development.
- Plan includes approximately 200 milestones (lots of parts)
- Starts around August 2012 and runs through June 2014 (depending on investment plan approval).
- The scope of the initial Move Phase 1 was reconfigured to align with updated priorities and the baseline budget set on March 6.
- Hypervisor Firewall and Load Balancing solution are two key items excluded from Move Phase 1. Migration road mapping effort may require these to be done early (pending analysis).
- Decision about the Cloud has impacts on the schedule and approach.
- Repeatable processes will be used to move systems to maximize efficiency and quality.



# SDC Project Updates – Washington State Patrol

- Project charter was drafted in March. Project includes two phases but only Phase 1 is in the scope of the charter.
  - Phase 1
    - Establish network connectivity between the WSP and State data centers
    - Install server and storage equipment (seed gear) in the SDC
    - Run a pilot test to migrate some test environments to the SDC
  - Phase 2 – Full migration:
    - Complete network installation, firewall and other infrastructure.
    - Migrate systems
- The following deliverables have been drafted:
  - Physical security requirements and solutions
  - High level network design for both phase 1 and 2
  - Skeleton Cost Model to allow WSP to make a decision to move or not
  - Task plan and schedule



# SDC Project Updates – Washington State Patrol - continued

- Open items:
  - WSP Commitment: Before procuring equipment, WSP needs to commit to moving into the SDC. Before WSP can commit, they need to know the billing rates.
  - Budget: How the project is funded needs to be discussed with WSP. Becomes part of the Service Level Agreement
  - Fenced cage for equipment: We are close to meeting all of WSP's physical security requirements. Caging their equipment should not be necessary.



# SDC Project Updates – Washington State Patrol – DRAFT Schedule

ID	% Complete	Task Name	Duration	Start	Finish	2012				2013				
						Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	19%	<b>WSP Migration Project</b>	331 days	2/27/12	6/18/13	2/27	[Gantt bar from 2/27 to 6/18]							
2	22%	<b>Planning Phase</b>	185 days	2/27/12	11/15/12	2/27	[Gantt bar from 2/27 to 11/15]							
3	100%	Develop Charter	7 days	2/27/12	3/6/12	2/27	[Gantt bar from 2/27 to 3/6]							
4	100%	Develop high level migration strategy	7 days	2/27/12	3/6/12	2/27	[Gantt bar from 2/27 to 3/6]							
5	100%	++ Phase 1 charter and migration strategy complete	0 days	3/6/12	3/6/12		[Gantt bar from 3/6 to 3/6]							
6	19%	<b>Develop Cost Model</b>	86 days	5/25/12	9/26/12		[Gantt bar from 5/25 to 9/26]							
12	0%	++ Obtain WSP commitment for the Phase 1 Pilot	0 days	9/26/12	9/26/12		[Gantt bar from 9/26 to 9/26]							
13	0%	<b>Service Level Agreement (SLA)</b>	35 days	9/27/12	11/15/12		[Gantt bar from 9/27 to 11/15]							
18	19%	<b>Phase 1 - Pilot Implementation</b>	293 days	3/7/12	5/3/13	3/7	[Gantt bar from 3/7 to 5/3]							
19	0%	Establish acceptance criteria for pilot implementation	5 days	9/27/12	10/3/12		[Gantt bar from 9/27 to 10/3]							
20	0%	Refine implementation plan	5 days	9/27/12	10/3/12		[Gantt bar from 9/27 to 10/3]							
21	63%	<b>Facility Requirements:</b>	107 days	3/7/12	8/6/12	3/7	[Gantt bar from 3/7 to 8/6]							
28	0%	<b>Prepare Facilities</b>	65 days	7/31/12	10/30/12		[Gantt bar from 7/31 to 10/30]							
33	39%	<b>Network Design:</b>	180 days	3/7/12	11/19/12	3/7	[Gantt bar from 3/7 to 11/19]							
41	0%	<b>Install Phase 1 Network</b>	76 days	11/20/12	3/13/13		[Gantt bar from 11/20 to 3/13]							
50	0%	<b>Procure and Install Hardware (servers and storage)</b>	55 days	2/1/13	4/19/13		[Gantt bar from 2/1 to 4/19]							
58	0%	<b>Phase 1 - Pilot Implementation results</b>	10 days	4/22/13	5/3/13		[Gantt bar from 4/22 to 5/3]							
62	0%	<b>Phase 2 Planning</b>	30 days	5/6/13	6/17/13		[Gantt bar from 5/6 to 6/17]							
65	0%	++ WSP Phase 1 Complete	0 days	6/17/13	6/17/13		[Gantt bar from 6/17 to 6/17]							
66	0%	<b>Phase 2 Implementation</b>	1 day?	6/18/13	6/18/13		[Gantt bar from 6/18 to 6/18]							
68														
69	0%	<b>Milestones</b>	371 days	3/6/12	8/23/13	3/6	[Gantt bar from 3/6 to 8/23]							
81														
82														
83														



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# SDC Migration Roadmap

- Design Decisions being worked:
  - Fiber pathways and terminations in OB2 and between OB2 and the SDC
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  - SDC Network Roadmap
  - Nexus 2k use & design
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# High Priority Issues

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- Will agencies be allowed to bring their corporate networks into the SDC?



# Questions

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