

We are happy to discuss specifics of this proposal and provide more detail as necessary. For example the primary and secondary sites can be implemented in a single data center; however we estimate will not have a great overall impact on reduced pricing but will eliminate the value of the physically diverse data center approach recommended by the MMA and Data Guard architecture.

**High level Scope of Work details**

- All computer server equipment will be dedicated for the project.
- Two separate carrier class data centers with fiber interconnect (25 miles apart) – Option for other data centers are available
- Two separate Internet feeds from two separate providers, one in each data center.
- CELT will provide ongoing allocation of Network engineer (Security and Network), Systems engineer (Backups, Patches and Systems updates) and ORACLE Systems engineer (Database and ORACLE core applications updates) to monitor/manage the platform on an ongoing basis. All patches, upgrades, systems administration, monitoring and backup/recovery in support of the service delivery platform will be provided.
- CELT will provide Tier 2 helpdesk support for platform issues, Tier 1 applications support provided by other vendor or ORACLE
- CELT will un-box, initially configure, install and host the hardware in our carrier-class data center(s) and make this available to Oracle engineers for the installation of the applications via secure internet access (VPN)
- CELT will provide all electrical power, UPS and backup generator feed
- CELT will provide backup solution for data/disaster recovery including regular tape rotations/archiving
- CELT will provide firewall services in for each cluster location
- CELT will provide switching at 1Gps for LAN interconnection of various hardware/systems including iSCSI storage area network
- CELT will provide high speed Internet access and if required each data center supporting the MAA and server infrastructure.
- CELT will provide 24/7/365 response to hardware and other issues requiring hosting

**Proposed Hosting Systems Summary**

	CPU	CPU 2	RAM	Disk1	Disk2	SAN Option	Other
<b>Primary Site</b>							
<b>Primary Site RAC 1</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI  Raid1	146GB 15K SCSI  Raid1	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Primary Site RAC 2</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI  Raid1	146GB 15K SCSI  Raid1	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite

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<b>Primary Site OBIEE</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Primary Site Dev.</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Primary Site Test</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Primary Site SIF ZIS</b>	Quad Core Xeon 5310 2x4Mb Cache, 1.6Ghz, 1066Mhz FSB	Quad Core Xeon 5310 2x4Mb Cache, 1.6Ghz, 1066Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI		Redundant Power Supply; Windows Server 2003 R2 Standard w/5 CALs; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Secondary Hot Site</b>							
<b>Secondary Hot Site RAC 1</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Secondary Hot Site RAC 2</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Secondary Site OBIEE</b>	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	Dual Core Xeon 5160 4Mb Cache, 3.0Ghz, 1333Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI	QALogic 4GB Optical Fiber Channel HBA	Redundant Power Supply; Red Hat Linux 4.5; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		
<b>Secondary Site SIF ZIS</b>	Quad Core Xeon 5310 2x4Mb Cache, 1.6Ghz, 1066Mhz FSB	Quad Core Xeon 5310 2x4Mb Cache, 1.6Ghz, 1066Mhz FSB	8GB 667MHz (4x2GB)	146GB 15K SCSI	146GB 15K SCSI		Redundant Power Supply; Windows Server 2003 R2 Standard w/5 CALs; Mission Critical 4-Hour 7x24 Onsite
<b>Dell Power Edge 2950</b>				Raid1	Raid1		

**Additional Subsystems and Components**

**Storage Subsystem**

- Primary Site: 4.5TB iSCSI Dell PowerVault
- Secondary Site: 2.4 TB iSCSI Dell PowerVault

*NOTE: Option for SAN upgrade available at additional cost by substitution of iSCSI solution with Fiber Channel solution*

Tape Backup Subsystem

- Primary or Secondary Site Tape Backup: Dell PowerVault TL4000, 4U Library LT04-120, 800GB/1.6TB

Other Primary and Secondary Site Components:

- Security: Astaro 525 firewall with VPN, platinum service (redundant stack options available)
- Gigabit switch fabric with iSCSI optimization
- Independent UPS systems
- Managed Remote Power Management with out-of-band POTS modem dial-up
- Managed KVM with remote IP console

Thank you once again and we appreciate the opportunity.

Best regards,

Jeffrey M. Bajgot  
Executive Vice President  
Networks and Communications Systems

Appendix 1

CELT responses to DC Questions

*NOTE: Follow-up questions & Answers are being now tracked separately*

24. **Vendor Hosting:** OSSE will want to do Vendor Hosting for a 3 year minimum time frame. In addition, OSSE may request a site visit to inspect the hosting facilities. The following questions are concerning your hosting environment:

a. Platform Specific questions:

- i. Do you have dedicated servers? What are the server specifications? What environments will you have in place (development, testing, production environments)?

*All servers will be new, dedicated to the project. Server specifications are included in attachment. Full production and hot standby site consisting of three separate dual core-dual processor systems. Separate development and test environments utilizing with virtualization.*

- ii. Do you have VMWare for Virtualization?

*Development and test will run virtualization. VMWare will be provided or other virtualization technology at recommendation of ORACLE.*

- iii. How do you secure servers and data (certificates, SSL, etc.)?

*Certificates will be purchased and installed as needed.*

- iv. What is the process for creating/modifying new users (user account administration)?

*User account database will be synchronized with DCPS LDAP services.*

- v. What do you provide as value add for hosting, such as Enterprise licenses for Dimensions, Rational, etc.?

*Proactive performance monitoring, network and security expertise, growth forecasting expertise, quarterly reviews and road mapping, regular project management processes.*

- vi. Do you have advanced monitoring (24x7x365)?

*Yes.*

- vii. What tiered Service Level Agreement (SLA) offerings do you provide?

*The design proposed is both redundant and resilient; as such we do not anticipate significant service interruption. Our first tier SLA relates to the availability of access to the data services, our second tier SLA relates to the performance and support. We will provide four hour response and all equipment is backed by these minimum commitments from the manufactures. The third Tier SLA refers to regular systems updates, patches, bug fixes and systems maintenance operations. These scheduled activities are communicated and coordinated as part of the regular monthly planning project management processes.*

- viii. What is the percentage of time your servers are available?
- ix. Do you have load balancing and redundancy?

*The "service" has a higher percentage of availability than the individual "servers" due to the hot live backup site. The requested 99.99% uptime SLA will be offered. The design proposed is both redundant and resilient.*

- x. What is the process for data storage and data refresh?

*This is managed and supported by the ORACLE applications, including ORACLE data guard which will be implemented as part of the solution. All storage will be provisioned RAID10 offering the most resilience and speed available.*

- xi. What is your back-up/archive service offerings? Is it offsite?

*Daily incremental backups, weekly full backup, monthly archive of full tape set.*

b. Facility Specific

- i. Regarding the facility locations:
  - (a) Do you have a 100 year flood plan?
  - (b) What are the air craft paths?

*This information is being researched.*

- ii. What Data Network (core routing equipment) paths, sizes, providers do you have?

*All network core routing will be at Gigabit Ethernet*

- iii. What fire suppression systems are in place?

*Refer to facilities appendix*

- iv. What physical security (monitoring/intrusion detection) methods are in place?

*Refer to facilities appendix, facility is carrier class, complete secure access control with keycard and with 24x7x365 security monitoring by security staff.*

- v. How long will the uninterruptable power supply (UPS) be available?  
(a) How often do you have to refuel generator?  
(b) What is your SLA for refueling the generator tanks?

*Refer to facilities appendix, facility is carrier class, generators are managed and monitored per manufacturer recommendations.*

- vi. What is used to eliminate spikes (Conditioned Power)?

*Refer to facilities appendix, facility is carrier class.*

- vii. Environmentals N+1

- (a) Do you have a back up generator and do you have a back up generator?  
(b) Do you have air conditioning and back up air conditioning?

*Refer to facilities appendix, facility is carrier class.*

Appendix 2

Hosting Locations

**Lightower.**

Wireless infrastructure redefined

474 Main Street  
Worcester, MA 01608

<b>Total Space:</b>	35,000 square feet
<b>Available Space:</b>	1,474 square feet for collocation space and future customer cabinets
<b>Available Cage(s):</b>	(3) Cage 200 Sq. Ft., 140 Sq. Ft., and 120 Sq. Ft.
<b>Available Raw Space:</b>	No raw space available
<b>Available Cabinets:</b>	(7) Unoccupied cabinets
<b>Cabinet Specs:</b>	Marconi Cabinets - 84"H x 29"W x 32"D - 19", 21", and 23" rails available - Key lockable with 4- 240 CFM Fans APW Cabinets- 84"H x 27"W x 31" D - 19" and 21" Rails Available- Key lockable with fans
<b>HVAC:</b>	5-20 Ton Chilled Water Units 2-150 Ton Carrier Chillers 1-100 Ton Carrier Chiller
<b>Fire Suppression:</b>	Viking Pre-Action System Simplex addressable Fire Alarm Panel
<b>Emergency Power:</b>	800kW, 277/480 Volt Three Phase Diesel Generator Set
<b>DC Power:</b>	10,000 Amp Marconi DC distribution power plant
<b>AC Power:</b>	4000 Amp 277/480 Volt Three Phase Main Service
<b>UPS power:</b>	80 KVA Leibert UPS
<b>Fiber Diversity:</b>	Lateral #1 originates from a MH on Chase Court and enters the East side of building underground. Lateral #2 originates from a MH on Main St. and enters the Southeast corner of the building underground. There is approximately 100 feet of separation from these two entrances.
<b>Carriers:</b>	Access Northeast, Charter, Holy Cross, MEC, SELCO, FiberTech, Expedient, Mass College of Pharm., Cingular, One Communications, UMass, Fallon, AT&T, Verizon, WPI, NEON, Level3

# Lighttower

Wireless infrastructure redefined

34 St. Martin Drive  
Marlborough, MA 01752

<b>Total Space:</b>	50,000 square feet
<b>Available Space:</b>	10,526 square feet for collocation space and future customer cabinets
<b>Available Cage(s):</b>	(0) Cage
<b>Available Raw Space:</b>	8,632 square feet
<b>Available Cabinets:</b>	(8) Unoccupied cabinets
<b>Cabinet Specs:</b>	Marconi Cabinets - 84"H x 29"W x 32"D - 19", 21", and 23" rails available - Key lockable with 4- 240 CFM Fans
<b>HVAC:</b>	5-Carrier 30Ton Chilled Water Units 1-400 Ton Carrier Chiller 2-100 Ton Carrier Chillers
<b>Fire Suppression:</b>	Viking Pre-Action System Simplex addressable Fire Alarm Panel
<b>Emergency Power:</b>	Two 1000kW, 277/480 Volt Three Phase Diesel Generator Sets
<b>DC Power:</b>	10,000 Amp Marconi DC Distribution Power Plant
<b>AC Power:</b>	2500 Amp 277/480 Volt Three Phase Main Service
<b>UPS power:</b>	Limited availability
<b>Fiber Diversity:</b>	Lateral #1 originates from a pole on the West side of St. Martin Dr. and enters the West side of the building underground. This lateral is primarily underground. Lateral #2 originates from a pole on the East side of St. Martin Dr. and enters the East side of the building underground. This lateral is aerial along St. Martin Dr. and turns underground as it routes around to the East side of the building. There is approximately 20 feet of separation of these lateral feeds at their closest points.
<b>Carriers:</b>	Expedient, VaultLogix, NEON, MEC, Access Northeast, Colospace, Qwest, AT&T, Verizon

Appendix 3

Server Equipment

Type	Description	Quantity
Base Unit	Dual Core Xeon 5160 Processor 4MB Cache, 3.0GHz, 1333MHz FSBPE2950 (223-4926)	8
	Dual Core Xeon 2nd Processor 5160, 4MB Cache, 3.00GHz 1333MHz FSB, PE 2950 (311-6222)	8
	8GB 667MHz (4x2GB), Dual Ranked Fully Buffered DIMMs (311-6197)	8
	LOM NICs are TOE Ready (430-2968)	8
	Riser with 3 PCIe Slots for PowerEdge 2950 (320-4607)	8
	146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3031)	8
	PERC6i SAS RAID Controller, 2x4 Connectors, Int, PCIe, 256MB cache, x6 Bkpl (341-5734)	8
	No Floppy Drive for x6 Backplane (341-3685)	8
	Red Hat Linux 4.5AS 3 Year RH Network Subscription, Not Factory Installed, DiB, With M (420-7813)	8
	Mouse Option None (310-0024)	8
	Embedded Broadcom NetXtreme II5708 GigabitEthernet NIC (430-1764)	8
	Dell Remote Access Card, 5th Generation for PowerEdge Remote Management (313-3923)	8
	24X IDE CD-RW/DVD ROM Drive for PowerEdge 2950 (313-3934)	8
	Bezel for PE 2950 (313-3920)	8
	1x6 Backplane for 3.5-inch Hard Drives (311-7936)	8
	Electronic Documentation and OpenManage CD Kit, PE2950 (310-7415)	8
	146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3031)	8
	Integrated SAS/SATA RAID 1, PERC 6/i Integrated/SAS6/iR (341-5722)	8
	Universal Sliding Rapid/Versa Rails, includes Cable Management Arm (310-7412)	8
	Redundant Power Supply with Y-Cord (310-9897)	8
	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (986-8242)	8
	ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (986-8422)	8
	Dell Hardware Warranty Plus Onsite Service Initial YR (984-1418)	8
	Dell Hardware Warranty, Extended Year(s) (984-1417)	8
	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (989-9238)	8
	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (987-2840)	8
	Thank you choosing Dell ProSupport. For tech support, visit <a href="http://support.dell.com/ProSupport">http://support.dell.com/ProSupport</a> or call 1-800-945-33 (989-3439)	8
	On-Site Installation Declined (900-9997)	8
	Qlogic 2460 4GB Optical Fiber Channel HBA, PCI-E Card (341-4606)	8
	Special Pricing Applied (463-0742)	8
	Info SKU-Software and Peripherals products and solutions catalog included in system boxes (310-8977)	8

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Type	Description	Quantity
Base Unit	PowerVault TL4000, 4U Library, LTO4-120, 800GB/1.6TB, 1 SAS Drive (223-1051)	1
	SAS 5/E HBA, PCI-Express 2X4 (requires 1 SAS cable) (341-5016)	1
	Two SAS cables, 4 meter connects Tape Device to SAS HBAs (341-5024)	1
	Symantec Backup Exec v12d Multi-Server Suite (410-0824)	1
	Redundant Power for TL4000 (430-2253)	1
	Dell Hardware Warranty Plus OnSite Service Initial YR (985-9487)	1
	Basic Enterprise Support: Business Hours (5X10) Next Business Day On Site Service After Problem Diagnosis Initial (982-2000)	1
	Dell Hardware Warranty, Extended Year(s) (985-9488)	1
	Basic Enterprise Support: Business Hours (5X10) Next Business Day On Site Service After Problem Diagnosis 2YR Ext (981-8632)	1
	DECLINED CRITICAL BUSINESS SERVER OR STORAGE SOFTWARE SUPPORT PACKAGE- CALL YOUR DELL SALES REP IF UPGRADE NEEDED (985-9489)	1
	Rack Mount Service Consisting of Mounting One PowerEdge or PowerVault into a Previously Assembled Dell Rack (985-9527)	1
	Tape Media for LTO3, 400/800GB30 Pack (341-2630)	1
	Special Pricing Applied (463-0742)	1

Type	Description	Quantity
Base Unit	Quad Core Xeon E5310 Processor 2x4MB Cache, 1.6GHz, 1066MHz FSB for PowerEdge 2950 (223-5949)	2
	Quad Core Xeon 2nd Processor E5310, 2x4MB Cache, 1.60GHz 1066MHz FSB, PE2950 (311-6846)	2
	8GB 667MHz (4x2GB), Dual Ranked Fully Buffered DIMMs (311-6197)	2
	LOM NICs are TOE Ready (430-2968)	2
	Riser with 3 PCIe Slots for PowerEdge 2950 (320-4607)	2
	146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3031)	2
	SAS 6/iR Integrated, x6 Backplane (341-5941)	2
	No Floppy Drive for x6 Backplane (341-3685)	2
	Windows Server 2003 R2 Standard x64 Edition with SP2 Includes 5 CALs (420-7122)	2
	Mouse Option None (310-0024)	2
	Embedded Broadcom NetXtreme II 5708 Gigabit Ethernet NIC (430-1764)	2
	Dell Remote Access Card, 5th Generation for PowerEdge Remote Management (313-3923)	2
	24X IDE CD-RW/DVD ROM Drive for PowerEdge 2950 (313-3934)	2
	Bezel for PE 2950 (313-3920)	2
	1x6 Backplane for 3.5-inch Hard Drives (311-7936)	2
	Electronic Documentation and OpenManage CD Kit, PE2950 (310-7415)	2
	146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3031)	2
	Integrated SAS/SATA RAID 1, PERC 6/i Integrated/SAS6/iR (341-5722)	2
	Universal Sliding Rapid/Versa Rails, Includes Cable Management Arm (310-7412)	2
	Redundant Power Supply with Y-Cord (310-9897)	2
	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (986-8242)	2
	ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (986-8422)	2
	Dell Hardware Warranty Plus Onsite Service Initial YR (984-1418)	2
	Dell Hardware Warranty, Extended Year(s) (984-1417)	2
	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (989-9238)	2
	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (987-2840)	2
	Thank you choosing Dell ProSupport. For tech support, visit <a href="http://support.dell.com/ProSupport">http://support.dell.com/ProSupport</a> or call 1-800-945-33 (989-3439)	2
	On-Site Installation Declined (900-9997)	2
	Special Pricing Applied (463-0742)	2

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Type	Description	Quantity
Base Unit	PowerVault MD3000i iSCSI RAID array with two dual-port controllers (223-1695)	1
	Initially connected to 5-7 Servers - Requires Enterprise Assistance Service (466-9866)	1
	MD3000i to be attached only to RHEL 4 or SLES 9 Linux servers (466-9859)	1
	Attached servers will not be virtualized. (466-9862)	1
	Attached Servers will not be clustered (466-9865)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	No data protection software (410-1074)	1
	Rapid Rails for Dell, or other Square Hole Racks, MDxx00 (310-7080)	1
	Dell Hardware Warranty Plus On-site Service Initial Year (987-9877)	1
	SILVER Enterprise Support: Next Business Day On-site Service after problem diagnosis, Initial Year (983-7930)	1
	Dell Hardware Warranty Plus On-site Service, Extended (987-9818)	1
	SILVER Enterprise Support: Next Business Day On-site Service after problem diagnosis, 2Year Extended (983-2002)	1
	SILVER Enterprise Support: 7x24 Hw/Sw Technical Phone Support, Enterprise Command Center, 3Year (983-2062)	1
	Dell Phone Assisted Installation and Configuration (987-9868)	1
	Enterprise Maintenance: Power Vault Storage, 1 maintenance event per year, Remote delivery, 3 Year (986-3569)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	Special Pricing Applied (463-0742)	1

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Type	Description	Quantity
Base Unit	PowerVault MD3000i iSCSI RAID array with two dual-port controllers (223-1695)	1
	Initially connected to 4 or fewer servers (466-9855)	1
	MD3000i to be attached only to RHEL 4 or SLES 9 Linux servers (466-9859)	1
	Attached servers will not be virtualized. (466-9862)	1
	Attached Servers will not be clustered (466-9865)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	No data protection software (410-1074)	1
	Rapid Rails for Dell, or other Square Hole Racks, MDxx00 (310-7080)	1
	Dell Hardware Warranty Plus On-site Service Initial Year (987-9877)	1
	SILVER Enterprise Support: Next Business Day On-site Service after problem diagnosis, Initial Year (983-7930)	1
	Dell Hardware Warranty Plus On-site Service, Extended (987-9818)	1
	SILVER Enterprise Support: Next Business Day On-site Service after problem diagnosis, 2Year Extended (983-2002)	1
	SILVER Enterprise Support: 7x24 Hw/Sw Technical Phone Support, Enterprise Command Center, 3Year (983-2062)	1
	Dell Phone Assisted Installation and Configuration (987-9868)	1
	Enterprise Maintenance: Power Vault Storage, 1 maintenance event per year, Remote delivery, 3 Year (986-3569)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4379)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Blank Hard Drive Filler for Dell PowerVault Array (310-0686)	1
	Special Pricing Applied (463-0742)	1

Appendix 4

Upgrade Storage Option 1

Equal Logics

Type	Description
Base Unit	Dell EqualLogic PS5000XV, High Performance, 15K SAS Drives (223-6501)
	4.8TB capacity, 16 X 300GB 15K SAS, Dual Controller (341-6486)
	EqualLogic Complete Care, Next Business Day Response, PS5000XV, Full, 2 Year Extended (987-1892)
	EqualLogic Advanced Technical Phone Support, 7x24 Access, 3 Year (987-1912)
	EqualLogic Complete Care, Next Business Day Response, PS5000XV, Full, 1 Year (987-6380)
	EqualLogic Base Hardware Warranty and Service, Parts Only Exchange Replacement, Initial Year (990-0547)
	EqualLogic Base Hardware Warranty and Service, Parts Only Exchange Replacement, Extended Year (990-0668)
	EqualLogic Advanced Software Warranty and Service, 7x24 Access, 3 Year (990-1489)
	PS array Customer Self Install Support Service (990-0718)

The PS5000XV offers high performance, advanced functionality, and complete protection. Self-managing and expandable online, it is designed to maintain 99.999% data availability.

**PS5000XV Highlights:**

- 15,000 RPM, 146 or 300 GB SAS drives
- 16 drive chassis
- Dual controller modules, each with 64-bit dual core RISC processor
- Battery-backed and mirrored RAID cache
- Automatic RAID 5, RAID 10, and RAID 50 configuration
- Highly flexible, space-efficient volume snapshots
- Auto-capable volume replication
- Complete storage solution with heterogeneous OS support
- Automatic load balancing
- Scales without service disruption
- 2.3 or 4.8 TB of raw capacity
- EqualLogic Multi-path I/O
- Exceptional sequential and transactional application performance
- Performance scales linearly as arrays are added

Appendix 5

Upgrade Storage Option 2

EMC

Type	Description
Base Unit	CX3-10C iSCSI and Fibre Channel Storage Processor Enclosure (222-7801)
	Navisphere Manager Departmental (3-7 HOSTS) for CX3-10c (420-6691)
	Thank you for choosing Dell (466-6679)
	GOLD Enterprise Support: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 YR Ext (982-1062)
	GOLD Enterprise Support: 7x24 Escalation Manager, Hardware/Software Tech Phone Support, Enterprise Command Center, 3 (982-1102)
	GOLD Enterprise Support: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Init YR (982-4040)
	Dell Hardware Warranty, Extended Year(s) (986-2938)
	Dell Hardware Warranty Plus OnSite Service Initial YR (986-2957)
	3Yr DELL   EMC: Software Assurance (986-2989)
	DAS IMPLEMENTATION / INSTALLATION 1 TO 2 HOSTS (981-8009)
	T1-Standard Maint 1 per yr, 1YR (986-3029)

Type	Description	Quantity
Base Unit	DAE4P-OS 5x73GB 15k 4Gb CX3-10 Hard Drive Bundle (222-8057)	1
	GOLD Enterprise Support: 4-Hour 7x24 Onsite Service with Emergency Dispatch, 2 Year Extended (982-0952)	1
	GOLD Enterprise Support: 7x24 Escalation Manager, Hw/Sw TechPhone Support, Enterprise Command Center, 3 Year (982-0992)	1
	GOLD Enterprise Support: 4-Hour 7x24 Onsite Service with Emergency Dispatch, Initial Year (982-3930)	1
	Dell Hardware Warranty, Extended Year(s) (986-2908)	1
	Dell Hardware Warranty Plus Onsite Service Initial Year (986-2937)	1
	HARDWARE INSTALL INCLUDED IN SAN/DAS IMP/INST BUNDLE (984-4327)	1
	UPS Power Supply, 1000W, 1U EMC (310-9091)	1
	300GB 15k 4Gb Fibre Channel Hard Drive (341-4824)	10

The Dell/EMC CX3 series delivers a true end-to-end 4Gb architecture to redefine Dell's midrange storage array market in performance and scalability. Now in its third generation, the Dell/EMC CX3 series offers a redesigned architecture that is designed to deliver maximum performance, versatile connectivity options and an expansive range of scalability.

The Dell/EMC CX3-10c is the new entry level array in the Dell/EMC CX3 UltraScale portfolio. It is an ideal product for customers who require increased capacity and modularity in a small footprint, as well as industry leading data protection and high availability. The 1U Storage Processor Enclosure (SPE) offers four 4Gb Fibre Channel and four iSCSI host connections. The array supports eight non-redundant directly connected hosts or up to 64 high-availability SAN connected hosts. The Dell/EMC CX3-10c array supports up to 60 hard drives for a total capacity of up to 45TB.

The Dell/EMC CX3 series also marks the introduction of the new DAE4P which supports both Fibre Channel and SATA drives allowing storage administrators to create an optimal blend of performance and capacity tailored to their unique application requirements. In addition to the architectural changes, Dell ships its PowerEdge™ servers with SAN components, including HBAs, as well as EMC® Navisphere® Manager Server Utility and EMC PowerPath® storage software, pre-installed at the factory.

### **Impressive Performance and Expansive Scalability**

The third generation fully-integrated 4Gb Dell/EMC CX3 arrays can deliver 2x the capacity and dramatically increased performance as compared to the corresponding previous models. Throughput and performance gains can provide faster access to data, particularly applications characterized by large block sequential I/O (disk based backup and restore, audio/video streaming). Email/messaging and database applications with defined capacity requirements, may see shorter response times as well.

Designed to maximize throughput and performance, the Dell/EMC CX3 series is designed from the ground up to take advantage of end-to-end 4Gb architecture. State-of-the-art embedded storage processor technology utilizes the highly scalable PCI Express interconnect, which offers low latency and high bandwidth.

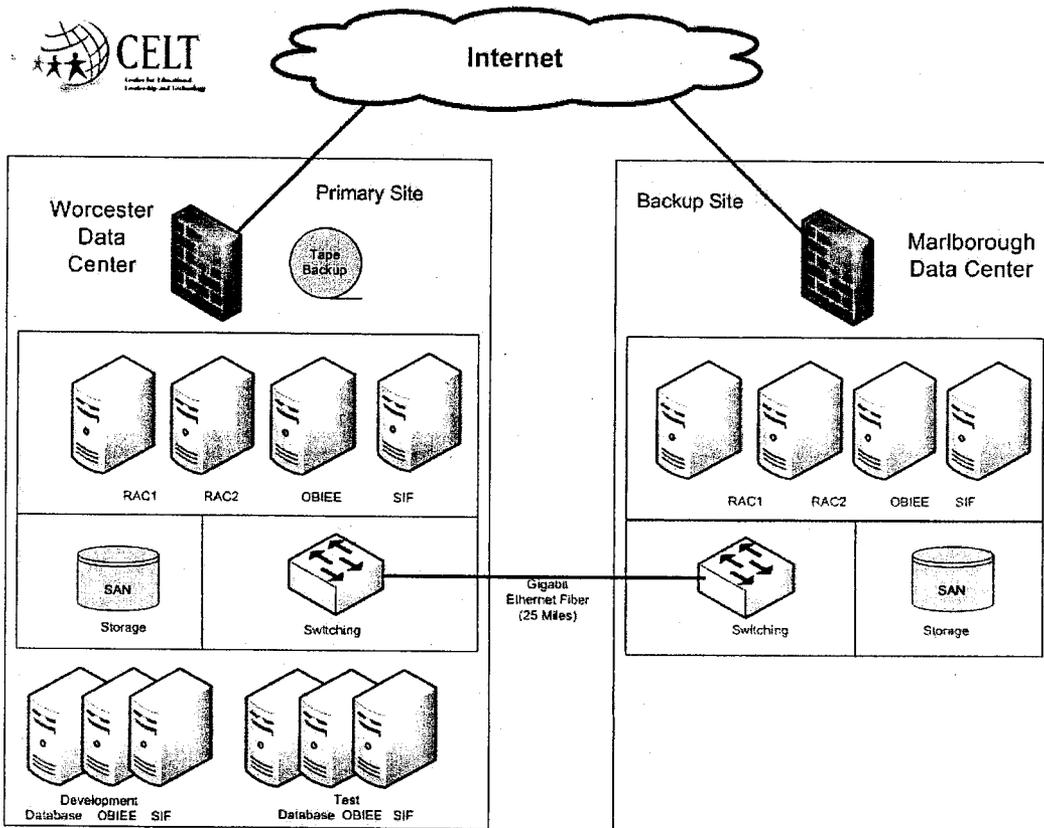
### **Streamlined SAN Deployment and Management Experience**

To further streamline SAN deployment, Dell ships PowerEdge servers from the factory built-to-order with SAN components pre-installed. Fibre Channel Host Bus Adapters (HBAs) enable direct connectivity to a storage array or SAN fabric via a Fibre Channel switch. EMC Navisphere Manager Server Utility and PowerPath can be pre-loaded on servers to help reduce software installation and SAN configuration time.

To help reduce the complexity of managing a SAN, Dell offers simple systems management tools with robust capabilities such as Dell™ IT Assistant and EMC Navisphere®. Moreover, core business applications, such as Oracle®, Microsoft® Exchange, Microsoft SQL, are tested and validated on Dell enterprise systems to form a stable and supported infrastructure for your most critical information.

Appendix 6

Full Deployment with Test and Development  
No Virtualization



<p><b>Vendor Hosting:</b> OSSE will want to do Vendor Hosting for a 3 year minimum time frame. In addition, OSSE may request a site visit to inspect the hosting facilities. The following questions are concerning your hosting environment:</p>
<p>a. <u>Platform Specific questions:</u></p>
<p>i. Do you have dedicated servers? What are the server specifications? What environments will you have in place (development, testing, production environments)?</p>
<p>The proposal includes new dedicated servers configured to the customer's specification. Server specifications are included in the proposal. Full production and live COOP site consisting of a few quad core processor systems. Separate development, test systems are optional. Please refer to the proposal for more information</p>
<p>ii. Do you have VMWare for Virtualization?</p>
<p>Yes we utilize VMWare for virtualization. In addition, we are an authorized VMWare Professional Partner at highest level (VAC and VIP certified).</p>
<p>iii. How do you secure servers and data (certificates, SSL, etc.)?</p>
<p>We can provide any level of server and data security specified by the customer and commercially supported and will be purchased as needed; including certificates, application security, smartcards, tokens, or SSL, up to NSA-endorsed data encryption programs. The standard FW configuration is included with this proposal. Any other unreasonable security implementations may be additional.</p>
<p>iv. What is the process for creating/modifying new users (user account administration)?</p>
<p>This is typically handled at the software application level and may be accessed/ modified by DC Staff or other authorized personnel. (DCPS LDAP)</p>
<p>v. What do you provide as value add for hosting, such as Enterprise licenses for Dimensions, Rational, etc.?</p>
<p>The Accelera Team has over 39 combined years in the Colocation/Hosting Services. Proactive performance monitoring, network and security monitoring and some facility assisted support teams. All hosting services comes with a complete managed services option, which includes full monitoring of all servers and applications (services), incident and break-fix response SLAs, security patch management, managed backup services, and complete licensing management.</p>
<p>vi. Do you have advanced monitoring (24x7x365)?</p>
<p>Yes, we can monitor any SNMP-enabled service or hardware. We can also monitor many applications Windows WMI interfaces.</p>

vii. What tiered Service Level Agreement (SLA) offerings do you provide?
.We do not foresee any major service interruption. Our 1 <sup>st</sup> tier SLA relates to availability of access to data servers/systems. Latency, maintenance downtime, packet loss, support ticket response times and many other common SLAs are also included.
1-hour response (M-F / 8-5 / non-holiday); 2-hour response at all other times
2-hour dispatch (M-F / 8-5 / non-holiday); 4-hour dispatch at all other times
Definitions
<u>Response Time</u> : Response Time is defined as amount of time between Customer placing a support call and Accelera and its partners responding to that call, either by email or phone.
<u>Dispatch Time</u> : Dispatch Time is defined as amount of time between Customer placing a support call and Accelera and its partners commencement of work, either remotely or on-site.
viii. What is the percentage of time your servers are available?
This varies by solution provided, including Client-dedicated bare metal servers vs. hosted virtual machines. Minimum availability is in excess of 99.99% excluding scheduled down time and maintenance
ix. Do you have load balancing and redundancy?
Yes, this is part of the solution. Please refer to the proposal for more information.
x. What is the process for data storage and data refresh?
This is managed and supported by the Oracle applications.
xi. What is your back-up/archive service offerings? Is it offsite?
The infrastructure includes a fully-redundant SAN to SAN to tape to off-site backup and archiving solution. Custom off site warehousing solution may be optional.
b. <u>Facility Specific</u>
i. Regarding the facility locations:
(a) Do you have a 100 year flood plan? The Data Center is not located in a flood zone. The County approved the initial architecture.
(b) What are the air craft paths? FAA has strict policies regarding air craft paths. Information cannot be provided at this time, but is being researched.
ii. What Data Network (core routing equipment) paths, sizes, providers do you have? All network traffic will filter through the Gig Ethernet. Tier 1- Private peer to peer partnerships is the main pathway for internet traffic,

<p>redundant/ well known equipments, highly concentrated networks of sonnet/metro rings are a part of the standards. Please refer to the proposal for more information.</p>
<p>iii. What fire suppression systems are in place? Yes, along w/ liquid detections systems, pre warning alarms are standards. Please refer to the proposal for more information.</p>
<p>iv. What physical security (monitoring/intrusion detection) methods are in place? Security guards, Close circuit surveillance cameras, Smartcards and Biometric scanning for data center access, intrusion sensors on the data center floors are some of the security features.</p>
<p>v. How long will the uninterruptible power supply (UPS) be available? The facility is carrier class. 10,000 gallon diesel generators are part of the back up system and monitored and maintained per manufacturer recommendations. Please refer to the proposal for more information.</p>
<p>(a) How often do you have to refuel generator? The facility is carrier class. Please refer to the proposal for more information.</p>
<p>(b) What is your SLA for refueling the generator tanks? The facility is carrier class. Please refer to the proposal for more information.</p>
<p>vi. What is used to eliminate spikes (Conditioned Power)? The facility is carrier class. Please refer to the proposal for more information.</p>
<p>vii. Environmentals N+1</p>
<p>(a) Do you have a back up generator and do you have a back up generator? 10,000 gallon diesel generators are part of the back up system and monitored and maintained per manufacturer recommendations. Please refer to the proposal for more information.</p>
<p>(b) Do you have air conditioning and back up air conditioning? 10,000 gallon diesel generators are part of the back up system and monitored and maintained per manufacturer recommendations. Please refer to the proposal for more information.</p>
<p> </p>
<p> </p>
<p> </p>

## Section VIII

## Added Value of Team Oracle



As part of our commitment and corporate responsibility as partners with the District of Columbia Government and DCPS, Team Oracle we would like to offer 25 DC students who desire to explore future careers in Information Technology paid summer internships.

If selected for this effort, we will work with OSSE and the appropriate regulatory district agency to develop the appropriate venue that will allow future generations of IT professionals to the exciting field of technology.

reskill for a career in IT



low cost access

certification

Additionally, through the Oracle K-12 Education Foundation offers the opportunity to provide students, teachers, and DCPS/OSSE administrator's financial grants and support for educational projects. As part of our Oracle Client Service Team, Ms. Diana Ritchie, Oracle K-12 Director will lead this effort as our official representative to you.

## Section IX

## See Beyond Benefits

Team Oracle understands that it is important to the District to leverage and reuse existing information technology assets to minimize the operations management of redundant competing technologies and to maximize the ROI on its enterprise technology purchases. That is why Team Oracle will leverage the District's existing enterprise license for Sun/SeeBeyond JCAPS to deploy the SLED SOA and Integration Server, which provides the messaging backbone for enabling the USI solution and to achieve real-time integration between the DCPS Student Information Systems and the SLED Data Warehouse.

Paradyme Management is currently managing the District's largest production deployed integration instance, which utilizes the Sun/SeeBeyond solution to integrate the District's PeopleSoft and Ariba Enterprise Resource Planning solutions with the District's various widespread legacy applications. Paradyme Management's resources have been the District's Enterprise Integration partner for almost six years and are responsible for designing and implementing an integration architecture founded on standards and capabilities derived from concrete best practices. As a member of Team Oracle, Paradyme Management will ensure that the SLED SOA and Integration Server built upon Sun/SeeBeyond is implemented following the same proven best practices to achieve consistent, speedy and rapid deployment of integration between all DCPS applications and systems.



**Section X**

**Report Card Solution**

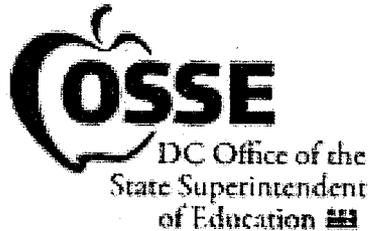
# ORACLE®

Team Oracle

## Report Card Roadmap



Presented to:



Author: Sohil Patel and M. Mickey Williams  
Creation Date: April 2, 2008  
Last Updated: April 20, 2008  
Version: 2

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## Background

On March 25<sup>th</sup>, 2008, Team Oracle presented their solution in response to RFP DCTO-2008-R-0019. During one of the breakout sessions, OSSE personnel expressed an interest in using the Oracle technology stack to provide a rapid implementation of a report card solution. This document presents a roadmap for implementing a quick 'Report Card' solution.

---

## Summary

Oracle has not previously provided pricing for the report card. However, Oracle may be able to provide the report card at no additional charge in order help the DC SLED team reach its organizational imperatives.

---

## RFP Response - Report Card

Team Oracle has included the following in their RFP response:

*"The SLED could optionally include the State Report Card (referenced in the RFP in Section 3.1.8). Report card implementations require very specific data collection workflows as shown in the following diagram. The Report card has been proposed as an optional CLIN in response to the RFP. The SLED will serve an important purpose of automating the creation of the reports for the state report card."*

The estimates and resource plans contained in this document are for initial discussions only. They are based on high level requirements and as such do not represent a binding proposal. A detailed bid analysis will have to be undertaken to validate these figures.

---

## Quick Delivery

There are two factors that will enable Team Oracle to provide DC Office of the State Superintendent of Education (OSSE) with a quick delivery of report card:

1. Team Oracle has proposed Oracle Business Intelligence Enterprise Edition (OBI EE) as the reporting platform. OBI EE allows us to use the "Virtual Data Federation" (where data actually resides in the source system and does not need to be extracted, transformed and loaded) approach to jumpstart reporting implementations.
2. Team Oracle can leverage Report Card templates from similar Report Card implementations at other states to provide OSSE with components that are re-usable and quick to implement. Appendix A provides additional information about Team Oracle's successful implementation of the TN State Report Card.

## Estimates

This section gives the high-level estimates.

<b>Requirements Gathering and Design</b>		<b>Days</b>
Understand and document current process		2
Identify Current Issues		1
Identify Data Validation Rules		2
Prioritize and Finalize Reporting Requirements		2
Create improved Look and Feel for the Report Card		2
Create standardized data collection formats		2
Design High Level Solution		1
Design Detailed Database Structures		3
Validate Solution, Documentation and Acceptance		1
<b>Environment Preparation</b>		<b>Days</b>
Obtain and validate hardware for Development Environment		1
Oracle Technology Installations for Development Environment		2
Obtain and validate hardware for Production Environment		1
Oracle Technology Installations of Production Environment		2
Technical Architecture Documentation / Knowledge Transfer		1
<b>Development</b>		
Create Target Database Structures		2
Create Mappings to load data		7
Develop Process Flow		4
Develop Validation Process		5
Develop Reports		7
Develop Dashboard		5
<b>Testing</b>		
Unit Test		3
Integration Test		3
<b>Migration and Production Readiness</b>		
Migrate Objects to Production		2
Validate Migration Successful		2
Support Preview Period		3
Re-loads based on Preview Period		2
Create Training Material		2
End User Training workshops		2
<b>Overall</b>		
Technical Oversight and Project Management		8
<b>Total Days</b>		<b>30</b>

---

## Report Card Timing

The report card would be delivered by 2.5 resources over a calendar period of 2 months.

---

## Appendix A - Team Oracle's success in creating Report Cards

Tennessee uses Oracle technology and services to implement its report card. This can be found at <https://edu.warehouse.state.tn.us/pls/apex/f?p=reportcard>

---

### Positive Press

From <http://info.tnanytime.org/tdoe/?p=76>

Nashville, TN - The Tennessee Department of Education released its redesigned state report card on schools today aiming to make it easier for educators, parents and the public to understand important information about Tennessee's public schools. The annual state report card provides a profile of academic achievement, demographics, discipline, and attendance and graduation rates for the state, each school district and every school. The 2007 report card is based on performance and statistics from the 2006-07 school year.

"One of Tennessee's greatest assets is the data we have on education," Education Commissioner Lana Seivers said. "Educators at all levels use the information on this report card to improve teaching in the classroom and raise achievement for students."

Educational improvements highlighted by the 2007 state report card include:

- Tennessee students statewide met more federal standards used to measure academic achievement than in 2006
- The state met achievement goals for every elementary level standard under No Child Left Behind
- The statewide dropout rate declined from 9.8 to 8.5 percent
- The percentage of students testing proficient or advanced increased or stayed the same in 33 of 36 possible categories

"For 15 years, Tennessee has produced a thorough report on the health of Tennessee schools," said Connie Smith, Executive Director of Accountability. "Each year, we are able to provide more information to communicate the progress of education to the community and to provide tools for further improvement."

Tennessee has had an accountability system in place since 1992 with the passage of the state's Education Improvement Act. The state modified its report card to meet the requirements of No Child Left Behind in 2002. Archived report cards are available online back to 1995. The 2007 Report Card can be found online at: <http://www.state.tn.us/education/reportcard>

## Re-usable Templates

Templates from Team Oracle's implementation of the State Report card at TN will be leveraged to provide a rapid delivery timeline. The screenshots in this section show some of the reports that could be leveraged.

**TENNESSEE.GOV**  
Department of Education  
Lana Seivers, Commissioner

The Official Web Site of the State of Tennessee

**TDOE Report Card**

Report Card Explained | Report Card Terms | Benchmarks & Documents  
Data Explanation | Print Version | Grade Scale

TENNESSEE DEPARTMENT OF EDUCATION  
**Report Card 2007**

**STATE WIDE**  
Governor: Phil Bredesen  
Commissioner: Dr. Lana C. Seivers

State  System  School

Profile | NCLB (AYP) | Achievement | Value Added | Attendance and Graduation | Discipline | Teacher | Special Education | Career/Technical Education

### State Profile

General Information			
Schools:	1,714	SACS % Accredited K-8:	75.0
Grades Served:	PK-12	SACS % Accredited 9-12:	91.3
Students: (ADM)	925,898	Safe School Status:	All Schools Safe
Teachers:	60,889	Administrators:	3,866

### TDOE Report Card

Report Card Explained | Report Card Terms | Benchmarks & Documents  
Data Explanation | Print Version | Grade Scale

Tennessee Department of Education

**State Wide**

**Report Card 2007**

Governor: Phil Bredesen

Commissioner: Dr. Lana C. Seivers

#### Report Card Explained

The Tennessee Education Improvement Act of 1992 established accountability standards for all public schools in the state and required the Department of Education to produce a Report Card for the public to assess each year.

Tennessee state law (Tennessee Code Annotated 49-1-601) has since been amended to match regulations in No Child Left Behind (NCLB) for meeting required federal benchmarks for all schools, school systems, and the state. Additionally, the State Board of Education has revised its performance standards and requirements to meet performance criteria in the new federal law.

The goal of NCLB is to ensure that all students in all schools are academically proficient in math, reading and language arts by 2014. Until that time, schools, school systems and the state will be measured on their ability to move toward that goal. In other words, schools, school systems, and the state must show that a greater percentage of its students are meeting required proficiency standards.

Schools, school systems and the state must meet proficiency benchmarks in nine subgroups, including five race/ethnicity groups; students with disabilities; limited English proficient students; economically disadvantaged students; and the school as a whole.

The Report Card is organized in the following sections: System/School Profile, NCLB (AYP), Achievement, Value Added (TVAAS data), Attendance and Graduation, Discipline, Teacher Quality, Special Education, and Career and Technical Education. Data required by No Child Left Behind are defined in drop-down boxes containing explanations for each criterion. Grades are assigned to appropriate criteria, and a grade scale is available for explanation of specific scaling.

Schools and school systems that do not meet required federal benchmarks for one year are assigned the status of "Target." Schools and school systems that do not meet the federal benchmark for two or more consecutive years in the same category are assigned the status of "High Priority."

**TDOE Report Card**

Report Card Explained | Report Card Terms | Benchmarks & Documents  
 Data Explanation | Print Version | Grade Scale

TENNESSEE DEPARTMENT OF EDUCATION  
**Report Card**  
**2007**

**DAVIDSON COUNTY SCHOOLS**  
 Director: Dr. Pedro E. Garcia  
**BELLEVUE MIDDLE SCHOOL**  
 Principal: John Duckworth

State  System  School Select a School: **Bellevue Middle School**

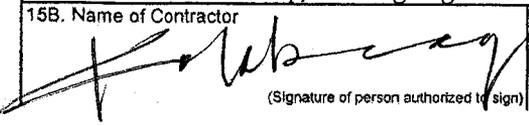
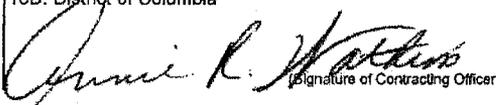
Profile | NCLB (AYP) | Achievement | **Value-Added** | Attendance and Graduation | Discipline | Teacher

**Academic Growth  
 (Value Added)**

**Grades K-3 Value Added - Growth Standard**

(3 year average)	2006		2007		2007 State Growth Std	
	CRT	Status	Mean Gain	Status		Mean Gain
Math		B	0.9	B	1.2	0
Reading/Language		A	1.5	A	1.7	0
Social Studies		C	-0.3	C	-0.6	0
Science		A	0.7	B	0.5	0



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract Number	Page of Pages	
2. Amendment/Modification Number DCTO-2008-R-0019/M0007			3. Effective Date 18-Apr-08	Solicitation Number DCTO-2008-R-0019	
5. Solicitation Caption Statewide Longitudinal Education Data			1   1		
Issued By: Office of Contracting and Procurement Office of the Chief Technology Officer 441 4th Street NW STE 930S Washington, DC 20001 ATTN: ANNIE WATKINS 202-727-5274		Code	7. Administered By (If other than line 6) Office of Contracting and Procurement (OCP - OCTO) in support of OSSE STE 920 441 4TH STE NW WASHINGTON, DC 20001		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)  N/A			<input checked="" type="checkbox"/> 9A. Amendment of Solicitation No. DCTO-2008-R-0019 <input checked="" type="checkbox"/> 9B. Dated (See Item 11) 10-Dec-07 10A. Modification of Contract/Order No.  10B. Dated (See Item 13)		
Code	54-1960842	Facility			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>0</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. Accounting and Appropriation Data (If Required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14					
A. This change order is issued pursuant to: (Specify Authority) The changes set forth in Item 14 are made in the contract/order no. in item 10A.					
B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.					
C. This supplemental agreement is entered into pursuant to authority of:					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
SECTION H: SPECIAL CONTRACT REQUIREMENTS: INSERT: SECTION H.20 - ADDITIONAL MANDATORY REQUIREMENT: "CHANGING THE EDUCATIONAL ENVIRONMENT IN THE DISTRICT OF COLUMBIA, THE NATION'S CAPITOL, IS THE #1 PRIORITY FOR THIS MAYOR AND THE ADMINISTRATION. AS A RESULT, THE OFFICE OF THE STATE SUPERINTENDENT OF EDUCATION WANTS TO ENSURE THAT THE CHILDREN OF THIS CITY ARE GETTING THE ATTENTION THEY DESERVE IN SOLVING THE EDUCATION CRISIS THAT EXISTS. CONTRACTORS MUST COMMIT TO HAVING CEO LEVEL OR HIGHER EXECUTIVE TO ATTEND MONTHLY EXECUTIVE STATUS MEETINGS."  ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.					
Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect					
15A. Name and Title of Signer (Type or print) Kola Isiaq, Managing Partner			16A. Name of Contracting Officer ANNIE R. WATKINS		
15B. Name of Contractor		15C. Date Signed	16B. District of Columbia		16C. Date Signed
 (Signature of person authorized to sign)		4/21/08	 (Signature of Contracting Officer)		4/18/08



**Section XII**

**Team Oracle BAFO Price Offer**