

**SOUTH CAROLINA SCHOOL FOR THE  
DEAF AND THE BLIND**

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***District Information Technology Plan  
Extension Addendum and Update***

***(through December 31, 2009)***

**355 Cedar Springs Road  
Spartanburg, SC 29302-4699  
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**Cover Sheet – Page 1 of 3****District Technology Plan Checklist**

Please complete the shaded box on page 3 of this checklist form and return *all three sheets* as the *cover* pages of the completed technology plan.

✓ **Cover Page**

This page must contain the following:

- district name,
- name and signature of district superintendent,
- name and signature of technology coordinator,
- mailing address, phone and fax numbers, and e-mail address of district technology coordinator,
- district home page URL, and
- effective dates covered by the plan or the year covered by the annual update.

✓ **District Profile**

This section must include the following:

- number of schools in the district,
- number of students enrolled in district schools,
- percentage of students eligible for free and reduced lunches,
- number of English as a Second Language (ESL) students,
- number of dropouts,
- graduation rate, and
- district E-Rate discount.

✓ **Executive Summary**

This section must be a concise description of the entire technology plan.

✓ **District Needs Assessment**

This section must describe the district's current technology needs, current technology inventory, and current technology support strategies. All goals should specifically address your district's needs.

✓ **District Vision and Mission Statements**

These overarching statements should address the district's needs, including assistive technology needs, and should be aligned with the 2003–08 state technology plan as well as the No Child Left Behind legislation.

✓ **Plans for the Five Individual Technology Dimensions**

The narrative of the district's plans for the individual Technology Dimensions *must* be organized on the basis of the following five sections, which *must be labeled and ordered as shown here*:

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**Cover Sheet – Page 2 of 3**

- ✓ **Technology Dimension 1: Learners and Their Environment**
- ✓ **Technology Dimension 2: Professional Capacity**
- ✓ **Technology Dimension 3: Instructional Capacity**
- ✓ **Technology Dimension 4: Community Connections**
- ✓ **Technology Dimension 5: Support Capacity**

In each of the above sections, the narrative for the technology dimension *must* be organized on the basis of the following seven sections, which *must be titled and lettered as shown here*:

- A. Snapshot of Current Technology Use in District**
- B. Overall Goal for This Dimension**
- C. Objectives, Strategies, and Action List to Reach Goal**
- D. Implementation Action Steps for Districts and Schools**
- E. Funding Considerations for District and Schools**
- F. Evaluation of Objectives** (including baseline data sources and ongoing data sources)
- G. Current Best Practices in District** (if applicable)

- ✓ **Cumulative Benchmarks**

This section must contain a list of benchmarks expected to be met during the year. Include a timeline and method for assessing benchmarks periodically.

- ✓ **Acknowledgements**

This section must contain a list stakeholders that shows a wide diversity of school and community members who contributed to the planning process.

- ✓ **Bibliography**

This section should provide full publication information and specific page references for all secondary sources utilized.

- ✓ **Required Appendixes**

- ✓ **Appendix 1: No Child Left Behind Action Plan**

Provide narratives for each of the eleven items in part C of the “Guidelines for District Technology Plans” section of the *South Carolina State Technology Plan 2003–08*.

- ✓ **Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan**

Guidelines for district professional development plans can be found at <http://www.myscschools.com/offices/technology/announce/proviso140.htm>.

- ✓ **Appendix 3: Acceptable Use Policy**

- ✓ **Appendix 4: How E-Rate Areas Have Been Addressed**

See part B of the “Guidelines for District Technology Plans” section of the *South Carolina State Technology Plan 2003–08* for the five E- rate areas.

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- ✓ Appendix 5: Report on Last Year's Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes
- ✓ Other Vital Appendixes (None)
- ✓ Plan Certification Signoff

*I verify that all above components for the South Carolina School for the Deaf and Blind's technology plan have been addressed:*

**Technology coordinator's name:** \_\_\_\_\_  
Please print.

**Technology coordinator's signature:** \_\_\_\_\_  
Date signed

**Superintendent's name:** \_\_\_\_\_  
Please print.

**Superintendent's signature:** \_\_\_\_\_  
Date signed

## **I. Cover Page Update**

- South Carolina School for the Deaf and Blind
- Pam Shaw, Ed.D., President
- 355 Cedar Springs Rd  
Spartanburg, SC 29302  
(864) 577-7500, 585-7711 (Voice/TTY)  
(864) 585-3555 (FAX)
- [www.scsdb.k12.sc.us](http://www.scsdb.k12.sc.us)
- Plan, Update and Extension Effective Dates: Fiscal Year 2005-06 (July 1, 2005 – June 30, 2006), Fiscal Year 2006-07 (July 1, 2006 thru June 30, 2007) and Fiscal Year 2007-08, with E-Rate projections through December 30, 2009\*

**\*Note:** This document serves as the second year update and as an extension of the South Carolina School for the Deaf and the Blind (SCSDB) Technology Plan covering the period through December 31, 2009. SCSDB's three-year Technology Plan was approved in December of 2004, and the first annual update was approved in March of 2006.

The "Evaluation of Objectives" charts in the technology dimensions sections cover a period from Fiscal Year 2005-06 through Fiscal Year 2009-10 to allow these sections to be a long-range scorecard.

SCSDB will complete a new three-year technology plan in FY 2008-2009, with input from the school's various constituencies. Initial work on that plan has already begun and is described in this document.

## II. District Profile Update

- Five schools in the SCSDB “district”:
  - 005 - Blind Secondary School
  - 007 - Deaf Secondary School
  - 009 - Deaf Elementary/Middle School
  - 010 - Blind Elementary/Middle School
  - 011 - Multihandicapped School
- 322 total students (based on PK-12 students served, 2005-06 school year).
- 270 students, or 83.8%, of students eligible for free or reduced lunches. 89% are Medicaid eligible.
- 21 (7%) English as a Second Language (ESL) students
- 1.03% annual dropout rate.
- 65% graduation rate.
- E-Rate percentage = 90% (E-Rate pays 90%, school pays 10%).
- In addition, SCSDB maintains six outreach centers throughout the state:
  - Charleston
  - Columbia
  - Conway
  - Florence
  - Rock Hill
  - Spartanburg

## III. Executive Summary

SCSDB continues to make steady progress toward improving its technology equipment, systems, processes and training. Three years ago, budget cuts had resulted in delayed equipment upgrades and significant efficiency concerns. Most of these equipment concerns have been addressed by:

- Donor and foundation contributions;
- Additional legislative appropriations;
- Leasing agreements to allow payment over several years.

The school has been able to address most of its infrastructure needs through federal E-Rate funding and support from the school’s fund-raising arm, The Walker Foundation. A partnership with the State Chief Information Office has identified many process needs that are being addressed. State teacher proficiency requirements for technology have been met and increased attention is being given to training.

A recent evaluation by the Southern Association of Colleges and Schools indicated a need for more hands on student learning opportunities as well as more integration of technology into the classroom. Addressing these recommendations will be a major focus in the coming year.



<b>Totals by Division</b>									
<b>Division Name</b>	<b>As of 12/05/04</b>			<b>As of 01/01/2006</b>			<b>As of 01/01/2007</b>		
	<b>Total</b>	<b>Win XP/2000</b>	<b>Other</b>	<b>Total</b>	<b>Win-XP/2000</b>	<b>Other</b>	<b>Total</b>	<b>Win-XP/2000</b>	<b>Other</b>
Education Services	9	6	3	6	3	3	6	6	0
Finance	10	10	0	11	11	0	11	11	0
Foundation	3	1	2	2	2	0	3	3	0
Health & Related Services	18	11	7	37	33	4	37	37	0
Human Resources	13	7	6	12	5	7	12	12	0
Information Services (incl. Labs)	18	12	6	74	59	15	80	80	0
MH Education Services	57	32	25	27	25	2	33	33	0
Outreach Services	46	39	7	56	47	9	61	61	0
Physical Plant	12	4	8	14	2	12	14	14	0
President's Office	3	1	2	4	4	0	4	4	0
Residential Life	59	20	39	66	39	27	80	74	6
Safety	1	0	1	1	1	0	2	2	0
Vice Presidents Office	2	2	0	2	2	0	2	2	0
<b>Totals</b>	<b>358</b>	<b>217</b>	<b>141</b>	<b>377</b>	<b>287</b>	<b>90</b>	<b>410</b>	<b>398</b>	<b>12</b>
		<b>60.60%</b>	<b>39.40%</b>		<b>76.13%</b>	<b>23.87%</b>		<b>97%</b>	<b>3%</b>

This table demonstrates significant improvement in computer equipment agency wide. SCSDB plans to continue computer leasing to ensure that computer equipment is adequate to meet student and staff needs.

SCSDB continues to identify needs, but a partial list is as follows:

- Cost-effective printing/copying solutions;
- Hands-on technology learning opportunities through laptop labs or increased classroom computer access;
- A new media distribution system;
- Increased student exposure to assistive technology;
- Training opportunities specific to classroom/teaching needs;
- Replacement schedule for donor-funded labs;
- Increased student access to computers in dormitories and at home;
- Documentation of technology processes and more written policies and procedures;
- Better documentation of help desk requests and analysis of recurring problems and potential solutions;
- Distance education and virtual classrooms;
- Technology to address the needs of visual and auditory learners.

## V. District Vision and Mission Statements

Section is up to date.

## VI. The Five Individual Technology Dimensions

An update indicating progress toward the five technology dimensions follows. Status toward achievement of the stated objectives was evaluated using the following rubric:

### **Rubric Used for Evaluation of the Objectives:**

1	Not attempted
2	25% completed
3	50% completed
4	75% completed
5	Completed

***TECHNOLOGY DIMENSION 1 – Learners and their Environment***

**GOAL: SCSDB will use research-proven strategies to provide residential, school and community environments conducive to our students achieving technological literacy and to raise the overall level of academic achievement.**

SCSDB has been named a Palmetto Gold School by the State Department of Education for the fifth consecutive year, earning excellent rankings in both absolute and improvement ratings. While Palmetto Gold status is a good indicator of student progress, SCSDB continues to seek external review and opportunities for continued improvement. The district recently completed an evaluation by the Southern Association of Colleges and Schools and the Conference of Educational Administrators of Schools and Programs for the Deaf, Inc. Both organizations indicated that SCSDB would be fully accredited and SCSDB will use the recommendations of the two organizations to continue to enhance the environment to ensure that students achieve technological literacy and meet or exceed overall academic goals.

SCSDB continues to make progress toward the objectives in the “Learners and their Environment” Dimension as indicated in the chart below using the evaluation rubric. In addition, the district is extending the learning environment by:

- Implementing campus-wide wireless computer access;
- Piloting distance learning in the School for the Blind;
- Increasing computer access in dormitories;
- Extending the school year to include a tenth month;
- Upgrading and increasing the number of computers in the library allowing for increased after-school access;
- Providing mentor software to parents.

<b>EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include “action list” items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state</p>	<ul style="list-style-type: none"> <li>• Test scores</li> <li>• District report cards</li> </ul>	<ul style="list-style-type: none"> <li>• Test scores</li> <li>• District report cards</li> <li>• Technology surveys</li> </ul>	1	2	3	3	

<b>EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
standards across the curriculum and will thereby increase access their level of academic achievement.	<ul style="list-style-type: none"> <li>• Technology surveys</li> <li>• Student portfolios (see earlier discussion of portfolios)</li> <li>• School technology and improvement plans</li> <li>• District, school, and community surveys</li> </ul>	<ul style="list-style-type: none"> <li>• Student portfolios (see earlier discussion of portfolios)</li> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• Listing of recognition programs</li> </ul>					
<b>1.2</b> Students will engage in authentic learning activities that are aligned with state standards and that integrate technology, including assistive technology, into the core content.			1	3	3	4	
<b>1.3</b> Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks.			1	2	3	3	
<b>1.4</b> SCSDB will provide students with an extended learning environment through technological tools, including assistive technology, that are designed to promote high academic achievement.			1	4	4	4	

***TECHNOLOGY DIMENSION 2 – Professional Capacity***

**Goal: SCSDB will provide curriculum development and professional development to increase the competency of SCSDB educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.**

SCSDB recognizes this dimension as one in need of ongoing improvement and is making efforts to increase professional capacity significantly. Key staff members are visiting other school districts, contacting special education schools and attending conferences and workshops to enable SCSDB to increase utilization of existing technology and to identify new technology and techniques that might assist the educational staff in meeting students' learning styles.

The Educational Technology Coordinator is partnering with the Coordinator of Educational Development and Support, the agency Training Coordinator and a team of SCSDB staff members to develop a business plan for increasing our training capabilities. The business plan will utilize the project management model of the State Chief Information Office.

A portion of the 2005-06 Technology Incentive Grant was spent on a Technology Proficient Testing software program. One hundred percent of the SCSDB teachers became Technology Proficient on the State Department of Education recommended dimensions. Teachers were offered on campus classes during the school year in basic computer software packages and offered two college level courses in the summer. Assistive technology mini-courses were offered by vendors as needed. Funds awarded to the school for Palmetto Gold status are used to purchase software for teachers.

SCSDB continues to see progress with the objectives listed in the chart below. In addition, the Educational Technology Coordinator has increased Microsoft Office Package training over the last year including classes specific to teacher needs. Microsoft training has been made available to SCSDB employees via the Internet.

SCSDB will provide Excent training this spring and has implemented the Student Unique Numbering System.

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>2.1</b> SCSDB will enable educators to achieve and demonstrate proficiency in integrating state-recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) into their specific area of professional practice to increase student achievement.</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Teacher technology proficiency proviso forms</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Professional development tracking and surveys</li> <li>• Teacher technology proficiency proviso forms</li> </ul>	2	3	4	4	
<p><b>2.2</b> SCSDB will continue to allow the principals of each school to serve as the visionary leaders in technology, ensuring that technology is making a significant instructional and administrative impact for students, teachers, and administrators.</p>	<ul style="list-style-type: none"> <li>• Professional development surveys</li> <li>• Teacher and administrator portfolios (see earlier discussion of portfolios)</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher and administrator portfolios (see earlier discussion of portfolios).</li> <li>• Observations and interviews</li> </ul>	2	4	4	5	
<p><b>2.3</b> SCSDB will collaborate with SDE in planning for professional development, ensuring that teachers and district staff are trained to use technology, including assistive technology, to enhance learning.</p>	<ul style="list-style-type: none"> <li>• School technology and improvement plans</li> <li>• SCTL</li> </ul>	<ul style="list-style-type: none"> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• SCTL "Training" tab</li> </ul>	2	5	5	5	

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>2.4</b>                      SCSDB will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.</p>	<p>"Training" tab</p> <ul style="list-style-type: none"> <li>• Technology assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Technology assessments</li> </ul>	2	3	4	5	
<p><b>2.5</b>                      SCSDB will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement</p>			2	2	3	4	

***TECHNOLOGY DIMENSION 3 – Instructional Capacity***

**GOAL: SCSDB will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.**

SCSDB has been able to increase the availability of technology this year, but recognizes the need to make technology more readily available to students for “hands on” learning opportunities.

Thanks to increased legislative appropriations, contributions from The Walker Foundation and the donations of community service organizations, SCSDB has been able to:

- Upgrade almost all of its student computer labs;
- Purchase multimedia equipment, including LCD projectors, laptops, digital still and video cameras for teacher checkout through the school library;
- Develop a DVD library including 274 captioned educational topics;
- Purchase ten new multimedia computers for the centralized library computer lab and the purchase of a smart board is pending.
- Upgrade its library management software to Follett’s *Destiny*.

The educational buildings have been equipped with new 32” televisions and DVD/VCR combos on carts as a temporary measure while research is being conducted to determine the best replacement for the agency’s media distribution system. A grant written by a teacher in the School for the Deaf has provided \$60,000 in Samsung multimedia equipment and Microsoft software.

SCSDB continues to make strides in the use of assistive technology. The agency piloted Video Relay Service (VRS)/video phones and wireless data devices over the last year and is currently upgrading its Internet connection to increase this capability. In addition, its assistive technology consultants seek to obtain the latest technology for demonstration purposes – including the purchase of global positioning devices for use with students who are blind.

SCSDB is currently processing its third year of computer leasing ensuring teacher and staff computers are up to date. Printer, scanner and copier needs are currently being evaluated using the Project Management planning process of the State Chief Information Office. This process encourages input from stakeholders and a solid business case to justify purchases.

In June of 2006, 30 school leaders and representatives of the state’s Chief Information Office participated in a day-long technology planning retreat as part of a larger four-day strategic planning effort. Cross-divisional representation included on-campus and outreach educational leaders and support management. Goals for the planning day were as follows:

- Identify technology areas that need to be addressed;
- Partner on technology initiatives;
- Establish an integrated, ongoing technology planning process;
- Develop a system for evaluating technology purchases.

The retreat provided progress and agency-wide initiative information and resulted in valuable recommendations. Work continues toward meeting the goals identified, and plans are to host a second planning retreat this year.

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>3.1</b> SCSDB will develop a technology framework for local planning that addresses the steps necessary to create a technology-rich environment that will foster increased achievement by all students, including those with special needs.</p>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>Technology readiness and access surveys</li> <li>District report cards</li> </ul>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>District report cards</li> <li>Technology readiness and access surveys</li> <li>Teacher technology proficiency proviso forms</li> </ul>	3	5	5	5	
<p><b>3.2</b> SCSDB will provide teachers with the technology resources, including assistive technology, necessary to increase academic achievement by engaging students in active learning.</p>	<ul style="list-style-type: none"> <li>Teacher technology proficiency proviso forms</li> <li>Teacher and administrator portfolios (see earlier discussion of portfolios).</li> </ul>	<ul style="list-style-type: none"> <li>Teacher and administrator portfolios (see earlier discussion of portfolios).</li> <li>Observations and interviews</li> </ul>	3	4	4	4	
<p><b>3.3</b> SCSDB will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting and schedule.</p>	<ul style="list-style-type: none"> <li>School technology and improvement plans</li> </ul>	<ul style="list-style-type: none"> <li>Anecdotal records</li> <li>Documented access to on-line resources</li> <li>Technology assessments</li> </ul>	2	2	3	4	
<p><b>3.4</b> The SCSDB will provide and support a variety of multimedia equipment and software for teaching and learning.</p>	<ul style="list-style-type: none"> <li>Technology assessments</li> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>	<ul style="list-style-type: none"> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>	2	3	3	4	

***TECHNOLOGY DIMENSION 4 – Community Connections***

**Goal: SCSDB will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.**

SCSDB continues to be successful in maximizing community involvement and partnerships. In addition to the partnerships identified in the 2006-07 Technology Plan Update, SCSDB has taken advantage of several new partnerships this year as described below:

**1. Project Management Leadership Training:** Through a partnership with the State's Chief Information Office, SCSDB is providing Project Management training to a group of individuals who have demonstrated leadership potential. Each individual has been assigned a priority technology project to follow through the project management process from concept to completion. Current projects include:

- Media Retrieval System
- Medicaid Software
- Construction Projects
- After-School Dormitory Computers
- Wireless Data Devices
- Technology Training
- Printers/Copiers/Scanners
- Mailing Label System
- Postsecondary and Career and Technology Education Equipment

**2. Increased Legislative Appropriation:** Presentations to the State Legislature resulted in the allocation of \$380,000 in additional recurring funds designated for technology. The funds will enable SCSDB to

- Upgrade all campus educational and administrative technology over a three-year time frame;
- Maintain basic technology standards by establishing a 3-5 year replacement cycle;
- Ensure student access to assistive technology that will increase learning, independence and employment opportunities;
- Meet the growing cost of information systems designed to improve productivity, accountability and cost efficiency in management decisions;
- Improve data collection and communications ensuring excellence in services provided to students on the main campus and in public school districts throughout the state.

In addition, SCSDB was able to obtain \$200,000 in one-time lottery funds for vocational school needs including technology.

**3. Walker Foundation and Donor Support:** The Walker Foundation and its donors have enabled SCSDB to make significant improvements including:

- Purchase of multimedia equipment;
- Support for computer leases;
- Computer lab updates;
- Network back up system purchase;
- Addition of a network back up generator (pending);
- Implementation of Uninterrupted Power Sources (pending);
- Support for telephone upgrades (ongoing);
- Support for wireless implementation.

SCSDB continues to see progress with the objectives listed below.

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>4.1</b>                      The SCSDB will establish community technology partnerships and collaborations by providing tools, resources, and training that support student transition, achievement, and outcomes. (The term <i>community</i> includes parents, businesses, state and local agencies, nonprofit groups, and institutions of higher education.)</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Community technology access surveys</li> <li>• Lab, media center, and classroom schedules</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Community technology access surveys</li> <li>• Lab, media center, and classroom schedules</li> </ul>					
<p><b>4.2</b>                      SCSDB will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.</p>	<ul style="list-style-type: none"> <li>• SDE Technology Counts survey</li> <li>• School technology plans</li> </ul>	<ul style="list-style-type: none"> <li>• SDE Technology Counts survey</li> <li>• School technology plans</li> </ul>	2	4	4	5	
<p><b>4.3</b>                      The SCSDB will provide after-hours access to labs, media centers, and classrooms.</p>	<ul style="list-style-type: none"> <li>• School technology plans</li> <li>• Documentation of offerings</li> </ul>	<ul style="list-style-type: none"> <li>• Observations and interviews</li> <li>• SCSDB and</li> </ul>	2	4	4	5	

<p><b>4.4</b>                  The SCSDB will ensure that all their buildings are linked by LAN, WAN, and/or the Internet to the State Library's DISCUS databases and to the Web sites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.</p>	<p>provided via innovative delivery methods</p>	<p>school Web site information</p> <ul style="list-style-type: none"> <li>• Documentation of offerings provided via innovative delivery methods</li> <li>• SCSDB and school list of grants and community partnerships</li> </ul>	<p>2</p>	<p>3</p>	<p>3</p>	<p>4</p>	
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***TECHNOLOGY DIMENSION 5 – Support Capacity***

**GOAL: SCSDB will expand and support technology resources to assist educators and learners in meeting the state academic standards.**

Over the last two years, SCSDB has worked to ensure that the school has the necessary infrastructure to support educational administrative needs. Infrastructure improvements include:

- Campus network upgrade to a complete gigabit backbone;
- Installation of all new Cisco equipment;
- Overall network improvements;
- Upgraded connection to all outreach offices to ATM connections;
- Set up wireless in all outreach offices;
- Installed servers in outreach offices;
- Implemented new core network competencies (E-Rate funded)
  - 1 New E-Mail Server
  - 1 New DHCP Server
  - 2 Internal DNS Servers
  - 2 External DNS Servers
- Set up new file server (Funded by The Walker Foundation);
- Designed and implemented new tape back up system (Funded by The Walker Foundation);
- Installed/set up new server for SASI/Tranquility/SPI/Brigance;
- Installed/set up new SPAM filtering software;
- Install/Set up new Web filtering software;
- Upgraded phone switch and voice mail system (90% eRate Funded plus 10% SCSDB-Funded through Walker Foundation Grant).

SCSDB is currently implementing a number of additional infrastructure improvements to include:

- Campus-wide wireless access;
- Uninterrupted Power Supplies (UPS);
- Generator for server room;
- Voice Over IP;
- Upgrading Internet connection;
- Seeking funding for Multi Protocol Layer Switching (MPLS) to allow for connectivity improvements with outreach centers including expanded Video Relay Service (VRS) capabilities.

SCSDB has made a number of improvements to enhance support to the educational staff and students including:

- Active Directory implementation;
- Formal Help Desk initiation;
- On Call Help Desk After-Hours Rotation;
- 508 compliance on all school related Web sites;
- Electronic nursing data management system installation;
- Monarch financial reporting software set-up;
- New event management software installation.

Support enhancements planned for the coming year include:

- Re-assessment of technology staff needed to meet instructional support needs;
- Evaluation of cell phone emergency communication reception following vendor upgrades;
- Establishment of agency-wide consistent electronic filing system;
- Security evaluation and related training;
- Exploration of content management system for agency Web sites.

Work continues on key objectives as noted below.

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>5.1</b> The SCSDB will ensure that all students, including those with special needs, and teachers have access to electronic information resources.</p>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>SCSDB report cards</li> </ul>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>SCSDB report cards</li> </ul>	2	4	5	5	
<p><b>5.2</b> The SCSDB will ensure that their schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks that allow for communication, data collection and distribution, and distance learning .</p>	<ul style="list-style-type: none"> <li>Professional development tracking and surveys</li> <li>SCSDB , school, and community surveys</li> <li>School technology and improvement plans</li> </ul>	<ul style="list-style-type: none"> <li>Professional development tracking and surveys</li> <li>Observations and interviews</li> <li>Documented access to technology resources</li> <li>SCSDB , school, and community surveys</li> <li>School technology and improvement plans</li> </ul>	2	3	3	4	
<p><b>5.3</b> The SCSDB will have sufficient qualified technical staff, including staff for the networking, server operation and support, and desktop systems areas.</p>	<ul style="list-style-type: none"> <li>School technology and improvement plans</li> <li>Documented access to technology resources</li> </ul>	<ul style="list-style-type: none"> <li>Documented access to technology resources</li> </ul>	2	3	3	4	
<p><b>5.4</b> The SCSDB will implement a disaster recovery plan for all points of failure in LANs and WANs, including redundant data storage, robust automated backup, and immediate hardware recovery.</p>	<ul style="list-style-type: none"> <li>Technology needs assessments</li> <li>SDE Technology Counts on-line survey</li> </ul>	<ul style="list-style-type: none"> <li>Technology needs assessments</li> <li>SDE Technology Counts on-line survey</li> <li>Budget data</li> <li>State personnel</li> </ul>	3	4	4	4	

<b>F. EVALUATION OF OBJECTIVES</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include "action list" items achieved.)</b>				
			<b>JAN. 2005</b>	<b>JAN. 2006</b>	<b>JAN. 2007</b>	<b>JAN. 2008</b>	<b>JAN. 2009</b>
<p><b>5.5</b>                      The SCSDB will implement an obsolescence and upgrade plan to replace and recycle equipment and software.</p>	<ul style="list-style-type: none"> <li>Budget data</li> <li>State personnel reports</li> </ul>	reports	3	4	4	5	
<p><b>5.6</b>                      SCSDB will increase their ability to design Web pages and Web-based instruction that are accessible to students and staff with special needs in accordance with Section 508 of the Rehabilitation Act of 1973 as amended by the Workforce Improvement Act of 1998.</p>			2	4	4	5	

## **VII. Cumulative Benchmarks**

SCSDB will implement an Educational Technology Assessment Group (eTAG) that will be chaired by the SCSDB Educational Technology Coordinator and staffed by both Information Technology resources and Educational Technology users. This group will have responsibility for insuring that SCSDB is following this Educational Technology Plan and reporting when and if deviations from the plan occur. This group will also suggest means for correcting any deviations from this plan which occur.

In addition, this group will have responsibility for yearly updates to this work plan, as necessary. This group will coordinate Information Technology planning activities with the SCSDB strategic planning group as well, to insure the Information Technology Plan's alignment with and support for the SCSDB Enterprise Level Strategic Plan.

## **VIII. Required Appendices**

### **1. Appendix: No Child Left Behind Action Plan**

**Update: Progress toward the 12 specific narratives and updates are indicated in bold below.**

- 1. A description of how your district will use federal funds including Enhancing Education through Technology (E2T2) competitive and/or formula funds to improve the academic achievement, including the technology literacy, of all students attending the schools served and to improve the capacity of all teachers teaching in these schools to integrate technology effectively into curricula and instruction.*

Current year funding will be used in accordance with the IT plan with a major outcome to be enhancement in written communication for students and teachers to upgrade to current standards (Word 2000 or XP) and all other office word specifics outlined in the standards set for the agency. **Completed**

The foremost priority was to have 20 computers set up for maximum word processing for improvement of the literacy rate of high school students. High school students who use word processing to complete classroom assignments due to their specific sensory disability (as stated in the IEP) need to use the most advanced word processing software and equipment as a modification to the state required high school exit exam. These exams need to be administrated in software that allows for grammar, editing and spelling assistance.

**Progressing**

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The second priority is to supply computers to those staff members who handle HIPAA protected information. These computers will need to be compliant with security measures and exist in a password protected environment. **Completed**

The third priority is to upgrade computer labs to ensure high school students have access to DVD/CD aspects while online to provide accommodations for high school exit exams. Student will receive PIDGIN/ASL presentations on DVD and complete answers online. This will also provide students opportunities to take practice tests to improve scores on ACT, HSAP and End Of Course evaluations. **Equipment has been obtained to meet this objective.**

A technology needs assessment survey of teaching staff will be used to base the training and improved capacity of all teachers so technology will be effectively integrated into curricula and instruction as outlined in the standards for use of technology at SCSB as stated in number two of Appendix NCLB. The Technology Needs Assessment 2004 (TAGLIT) indicated that teachers wanted training in online reference tools, multimedia presentations (including digital still/motion works), and a database applications course is optional and a reference tool inservice will be offered each Fall. **Progressing**

An annual Technology Needs Assessment will be conducted to determine new interests and needs plus to determine if training was provided and surveys reflect that needs were met. **In Progress**

- A description of your school district's specific goals for using advanced technology to improve student academic achievement aligned with challenging state academic content and student academic achievement standards. This explanation should include a description of the curriculum and teaching strategies that integrate technology effectively into curricula and instruction, based on an intensive review of relevant research.*

SCSDB will use advanced technology to improve student academic achievement aligning the adaptive technology with challenging state academic content and student academic achievement standards. **Ongoing using the description of curriculum and teaching strategies in the 2006-07 Technology Plan Update**

- A description of the steps your district will take to ensure that all students and teachers in schools served by the local education agency have increased access to educational technology.*

The IT Plan for SCSDB will outline specific steps to provide all students and teachers in the school with increased access to educational technology. This IT plan will be reviewed annually to ensure that progress is being made in all areas of providing educational technology that is accessible to the variety of students and staff including those with

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disabilities that affect the use of technology. Grant writing, partnerships with business and community agencies will enhance the SCSDB state appropriated budget in order to purchase new and advanced technology. Increased access will continue as the IT plan works towards completion of its objectives. Another aspect will be to work with the One Stop centers, the statewide Assistive Technology Resource committee and other groups seeking to spread the use of assistive technology into the government, civic and social arenas of the state. SCSDB staff will present and attend the annual AT Expo to share and learn about appropriate uses of AT for accommodation for learners. **In Process**

4. *A description of how your district will use the E2T2 competitive and/or formula funds (including the combining of these funds with monies from other federal, state, and/or local sources) to help ensure that students in high-poverty and high-needs schools have access to technology and to ensure that teachers are prepared to integrate technology effectively into curricula and instruction.*

**SCSDB does not currently qualify for E2T2 funds. NCLB funds were spent on professional development to enable teachers to become highly qualified.** SCSDB currently spends 100% of its No Child Left Behind grant monies on professional development via Tuition Reimbursement for Educators (TRED). SCSDB also utilizes federal IDEA funds, state professional development funding (Lottery funds and Title II) and partnerships with business to ensure that students who are high poverty (83.8% of SCSDB students are on Free and Reduced Lunch Program) and high needs (100% of SCSDB students have a disability and are under IEP) have access to technology and to ensure that teachers are prepared to integrate technology effectively into curricula and instruction.. We use the train the trainer model when possible for development of teachers and other classroom personnel. Our Career and Technology Education Department has several business partners which provide computers, scanners, printers, and advice to set up labs for graphic arts, advanced keyboarding, and learning how to apply the special software for the Blind such as screen readers, speech synthesis, and enlarging software. **Ongoing**

5. *A description of how your district will provide ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel serving the local education agency, to further the effective use of technology in the classroom or library media center, including, if applicable, a list of the entities that will be partners with the local education agency involved in providing the ongoing, sustained professional development.*

SCSDB has historically provided professional development in the technology area by a combination of externally provided courses and internally provided (on-campus, taught by SCSDB IT staff) coursework. This has been reasonably effective, but we think that this can be expanded somewhat in terms of both quantity and quality of training by moving more toward utilization of more 'outsourced' training opportunities. We have researched the availability of various training offerings, and there are many excellent courses available for the technology products that have become 'commoditized', such as the Microsoft software

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products (Word, Excel, Powerpoint, etc.) This will not be a total solution, due to the fact that SCSDB also uses some fairly unique software products (such as SPI and BAS) as well. But we do intend to provide more and better professional development opportunities to SCSDB staff. **Progressing**

6. *A description of the type and costs of technologies to be acquired for your technology program through the use of E2T2 competitive and/or formula funds, including supporting sources such as services, software, and digital curricula. Your explanation should include specific provisions for interoperability among the components of such technologies.*

**SCSDB does not qualify for E2T2 funding currently. See further description of this in item 4 above.**

7. *A description of how your district will integrate technology (including software and other electronically delivered learning materials) into curricula and instruction to support standards-based learning and provide a timeline for such integration. **Ongoing***

Integrating technology will take place in several ways:

- Inservice training both on and off campus will be designed for growth in integrating technology into specific curriculum areas. After inservice training, supervisors will observe to collect data regarding the use of the information learned in the technology inservice. This will occur quarterly and be concurrent with ADEPT observations on the current technology and subject specific objectives under SC standards for education.
  - Staff will attend demonstrations of new products designed to enhance learning and employment of special needs populations. Staff will complete short presentations at facility meetings regarding demonstrations and how this might be integrated into curricula and transition activities.
  - Staff will receive information regarding the location of teacher lesson plans involving integration of technology and subject specific sites by way of the agency level contacts in each subject area monthly.
  - Review of current software and site license capability of the current SCSDB software is an on-going project.
  - Teachers and staff will submit software needs on purchase orders submitted through the school program and IT departments to ensure maximum use and efficiency.
8. *A description of how your district will encourage the development and utilization of innovative strategies for the delivery of specialized or rigorous academic courses and curricula through the use of technology, including distance learning technologies, particularly for those areas that would not otherwise have access to such courses and curricula due to geographical isolation or insufficient resources. **Ongoing***

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- As a part of the SCSDB high school course description booklet, SCSDB will provide a description of various distance learning applications for students. These currently include online high school level courses offered by various sites such as Hadley School for the Blind and NOVANET. Hadley is a specific and specialized site for the blind with course regarding blindness specific subjects.
  - Students may transfer into SCSDB with credits from online sources with adequate proof of successful completion in accredited SACS online programs.
  - The SCSDB Distance Learning Task Force made specific recommendations to the Senior Management group regarding processes, equipment and staffing needs towards the establishment of SCSDB as a distance learning presentation site so we might deliver much needed courses to teachers in rural parts of SC regarding sensory disabilities and provide low incident population special needs students with an online peer interaction in various subject matter. Virtual High School has been implemented through Nebraska and Hadley on line high school.
9. *A description of how your district will ensure the effective use of technology to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology being applied in their child's education. Explain how these strategies will allow parents to reinforce at home the instruction their child receives at school. **Ongoing***
- SCSDB will continue to explore video conferencing options so parents can select to attend their student's IEP meeting and staffing meetings by short distance driving to local/regional Outreach centers rather than travel the length of the state to participate on campus. This was a recommendation of the Distance Learning Task Force and IDEA's requirement to make various options open so maximum parental participation at IEPs can be achieved. Currently 98.3% of parents attend conferences and the goal is set for 99% participation.
  - Parents will be provided with technology demonstrations at the annual parents learning weekend on campus. In 2005, over 44 families attended the Family learning Weekend and 32 pieces of technology and software were explained including how these were integrated into learning at school and in the home setting.
  - Students and parents will receive a promotional paper annually regarding technology use in curriculum along with the annual acceptable use of computers signature page and policy beginning summer 2005.
10. *A description of how programs in your district will be developed, where applicable, in collaboration with adult literacy service providers, to maximize the use of technology.*

Computer literacy is encouraged within the Post Secondary programs and GED testing is provided on site. The local technical college offers its entry-level test, Compass, on computer. The state offers end of the course testing for adult learners online. Technology training for staff and students are shared within the CTE program. **Ongoing**

11. *A description of the process and accountability measures that your district will use to evaluate the extent to which the activities in your technology plan, including those activities funded under the E2T2 program, are effective in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to meet challenging state academic content and student academic achievement standards.*

SCSDB will evaluate our technology plan using ADEPT evaluations, numbers of staff completing courses, number and percentage of teachers passing teacher technology objectives and receiving comprehensive certification standards. Student measures of integrating technology will be taken by measuring percentages of students passing in observations of senior projects, grades in courses completed, passing scores on high school state exit exams and end of course exams, progress reports on IEPs, progress or interim reports in all classes, and number of AT Evaluations requested. All of these evaluations will be done using the methodology employed in the SCSDB "Scorecard Measures". **Ongoing**

12. *A description of the supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology.*

An important supporting service or resource will be educational IT staff to support teachers in researching and using all the technology available especially that which is designed for the sensory disabled. Overall, there will be a great need for multimedia equipment as the students who are deaf and deaf multihandicapped will need an expanded visual environment to learn at an optimum rate. This includes video, media retrieval system, digital graphics arts, electronic bulletin boards, and etc. All technology will require support services from internal staff and from suppliers to keep it up and running, to train new staff in uses, and to apply updates as these occur. Software upgrades are very costly and must be included in the budget annually to keep the sensory disabled computer user up-to-date with workplace applications.

**Ongoing**

**2. Appendix: Teacher Technology Proficiency Proviso - Professional Development Plan****South Carolina Legislation**

The Teacher Technology Proficiency Proviso  
(SDE: Teacher Recertification—Technology)

**This section is up to date as included in the 2006-07 Update with one exception: Mary Washko has replaced Joan Dudgeon as the Coordinator of Educational Development and Support.**

**3. Appendix: Acceptable Use Policy**

The Acceptable Use Policy has not changed since the 2006-07 Technology Plan Update.

**4. Appendix: How E-Rate Areas Have Been Addressed**

Please note the following updates for E-Rate Budgeting Purposes.

**Procurement and Maintenance Budget:**

**Status of 06/07 E-Rate Filings**

<u>Description</u>	<u>471 #</u>	<u>Total Expenditure</u>	<u>90% (E-Rate)</u>	<u>10% (SCSDB)</u>	<u>Status</u>
POTS Charleston	507561	\$10,986	\$9,887	\$1,099	Appealed
POTS - Florence	507613	\$7,705	\$6,935	\$771	Appealed
PBX-MAINT9	506797	\$24,511	\$22,060	\$2,451	Approved
NET-MAINT9	510384	\$18,143	\$16,329	\$1,814	Approved
PBX-TECH9	507189	\$20,000	\$18,000	\$2,000	Approved
4506-471	508192	\$9,722	\$8,750	\$972	Approved
UPS-RM6KV	510217	\$8,610	\$7,749	\$861	Approved
C2600-UPS	510246	\$6,409	\$5,768	\$641	Approved
UPS-2950	510304	\$10,049	\$9,044	\$1,005	Approved
FIREWALL	510324	\$5,236	\$4,713	\$524	Approved
WIRELESS-9	510836	\$132,573	\$119,316	\$13,257	Approved
PAGERS9	507251	\$4,666	\$4,199	\$467	Approved
BELLSO-471	508051	\$18,659	\$16,793	\$1,866	Approved
LDISTNCYR9	508064	\$9,744	\$8,770	\$974	Approved
CELLULAR	518856	\$83,679	\$75,312	\$8,368	Approved
POTS RH	508043	\$6,300	\$5,670	\$630	Approved
POTS Conway	508042	\$7,626	\$6,864	\$763	Approved
NETACCESS	516706	\$22,092	\$19,883	\$2,209	Cancelled
MPLS-SPA	511638	\$82,300	\$74,070	\$8,230	Cancelled
T-1 COLA	514496	\$11,400	\$10,260	\$1,140	Cancelled
T-1 Charleston	514799	\$11,400	\$10,260	\$1,140	Cancelled
T-1 Florence	514840	\$11,400	\$10,260	\$1,140	Cancelled

The table above shows the current status of our 06/07 E-Rate filings, items PBX-TECH9; 4506-471; UPS-RM6KV; C2600-UPS; UPS-2950; FIREWALL; WIRELESS-9 are Internal

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Connections and all have been approved and projects are currently underway. These amount to a total savings of \$173,340.00 to the school. The rest of the approved items are considered Communications or POTS whose savings amount to \$117,608.00 annually. Currently two of our filings are under appeal due to contract issues with the State Chief Information Office. The rest of our filings NETACCESS; MPLS-SPA; T-1 COLA; T-1 Charleston; T-1 Florence, we have canceled due to changed plans in our network infrastructure needs, some of which will be addressed in our 07/08 filings.

**E-Rate Filing 07/08**

<b>Description</b>	<b>471 #</b>	<b>Provider</b>	<b>Total Expenditure</b>	<b>90% (E-Rate)</b>	<b>10% (SCSDB)</b>
Phone Switch Maintenance	543270	Avaya Inc.	\$22,060	\$19,854	\$2,206
Two-Way Pagers	546353	MetroCall, Inc.	\$1,648	\$1,484	\$165
Regular Pagers	546353	MetroCall, Inc.	\$1,265	\$1,139	\$127
Cellular	560192	Nextel South Corp.	\$37,800	\$34,020	\$3,780
Long Distance	540650	South Carolina Net, Inc DBA Spirit Telecom	\$8,194	\$7,374	\$819
Cellular	560192	Verizon Wireless	\$59,027	\$53,125	\$5,903
WAN Connectivity (MPLS)		Spirit Telecom	\$274,701	\$247,231	\$27,470
Cisco Network Maintenance		AlphaNumeric	\$18,358	\$16,522	\$1,836
POTS - Spartanburg		Bellsouth	\$15,590	\$14,031	\$1,559
POTS - Charleston		Bellsouth	\$7,622	\$6,860	\$762
POTS - Florence		Bellsouth	\$10,592	\$9,533	\$1,059
POTS - Rock Hill	560105	Comporium Telephone	\$6,212	\$5,591	\$621
POTS - Conway	560054	Verizon South	\$7,624	\$6,862	\$762

Cellular		SunCom	\$3,660	\$3,294	\$366
	<b>TOTAL</b>		<b>\$474,353</b>	<b>\$426,918</b>	<b>\$47,435</b>

This table shows our 07/08 E-Rate filing this year. We will not be making any Internal Connection purchases, all purchases shown are for Communications\POTS or Maintenance. Notice the addition of “WAN Connectivity (MPLS).” This connectivity item will provide needed WAN connectivity to our Outreach Offices throughout the State and will become a recurring cost.

**E-Rate Filing 08/09**

Description	471 #	Provider	Total Expenditure	90% (E-Rate)	10% (SCSDB)
Phone Switch Maintenance		Avaya Inc.	\$25,369	\$22,832	\$2,537
Two-Way Pagers		MetroCall, Inc.	\$1,895	\$1,706	\$190
Regular Pagers		MetroCall, Inc.	\$1,455	\$1,309	\$145
Cellular		Nextel South Corp.	\$43,470	\$39,123	\$4,347
Long Distance		South Carolina Net, Inc DBA Spirit Telecom	\$9,423	\$8,481	\$942
Cellular		Verizon Wireless	\$72,090	\$64,881	\$7,209
WAN Connectivity (MPLS)		Spirit Telecom	\$276,801	\$249,121	\$27,680
Cisco Network Maintenance		AlphaNumeric	\$21,112	\$19,001	\$2,111
POTS - Spartanburg		Bellsouth	\$17,929	\$16,136	\$1,793
POTS - Charleston		Bellsouth	\$8,765	\$7,889	\$877
POTS - Florence		Bellsouth	\$12,181	\$10,963	\$1,218
POTS - Rock Hill		Comporium Telephone	\$7,144	\$6,429	\$714
POTS - Conway		Verizon South	\$8,768	\$7,891	\$877
Cellular		Cingular	\$4,209	\$3,788	\$421
<b>TOTAL</b>			<b>\$506,401</b>	<b>\$455,761</b>	<b>\$50,640</b>

This table shows our 08/09 E-Rate filing. Currently, there are no Internal Connection purchases slated for this fiscal year, however if planning dictates that a change will be needed then an addendum will be filed to adjust for the needed items. FY08/09 also shows a 15% increase in wireless costs due to the projected growth of Wireless Data Devices within the environment (Examples: Blackberry’s, Smartphone’s, PC Cards.)

The following table represents the technology budget for FY 2007-08, for both E-Rate eligible items and other items. This is the basis for E-Rate Budget by Fiscal Year table. Note that these budget figures include ALL technology budget items, not just E-Rate. Projected E-Rate eligible funding is noted in the “Federal” column.

	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
<b>Computer Services</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Provided by OIR	\$100,000	\$0	\$0	\$0	\$100,000
Provided by Other State Agency	\$0	\$0	\$0	\$0	\$0
Provided by Other Provider (Include Private)	\$8,900	\$0	\$0	\$0	\$8,900
<b>Subtotal</b>	<b>\$108,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$108,900</b>
<b>Copying &amp; Printing</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Copying Personnel Services	\$18,318	\$2,000	\$0	\$0	\$20,318
Copying Equipment, Maint. & Supplies	\$72,300	\$0	\$0	\$0	\$72,300
Electronic Printing Personnel Services	\$54,608	\$8,000	\$0	\$0	\$62,608
Electronic Printing Equip., Maint., & Supplies	\$153,504	\$0	\$0	\$0	\$153,504
Offset Printing Personnel Services	\$36,635	\$2,000	\$0	\$0	\$38,635
Offset Printing Equip., Maint., & Supplies	\$4,000	\$0	\$0	\$0	\$4,000
Other	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$339,365</b>	<b>\$12,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$351,365</b>
<b>Field Technologies</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
2-way Radio Personnel Services	\$0	\$0	\$0	\$0	\$0
2-way Radio Contractual Services	\$0	\$0	\$0	\$0	\$0
2-way Radio Equip. Maint., & Supplies	\$0	\$0	\$0	\$0	\$0
GPS Personnel Services	\$0	\$0	\$0	\$0	\$0
GPS Equip., Maint., & Supplies	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>FTE Count</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Main/Mini Systems, Support, & Ops	0	0	0	0	0
Main/Mini Applications Dev. & Maint.	0	0	0	0	0
PC/RISC/LAN Systems, Support, & Ops	4	0	0	0	4
PC/RISC/LAN Applications Dev. & Maint.	0	0	0	0	0
Telephony	1.33	0	0	0	1.33
Video	2	0	0	0	2
Wide Area Networking	0	0	0	0	0
Copying and Printing	2.43	0	0	0	2.43
Field Technologies	0	0	0	0	0
Technical Training & Support	0.33	0	0	0	0.33
All Other IT FTEs	0.33	0	0	0	0.33
<b>FTE Count Total</b>	<b>10.42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.42</b>

<b>Internet/Intranet</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$21,058	\$0	\$0	\$0	\$21,058
Internet Access Charges	\$3,629	\$0	\$19,883	\$0	\$23,512
Browser Software	\$0	\$0	\$0	\$0	\$0
Internet Applications (extra-agency access)	\$0	\$0	\$0	\$0	\$0
Intranet Applications (intra_agency access)	\$0	\$0	\$0	\$0	\$0
Maintenance (recurring)	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$24,687</b>	<b>\$0</b>	<b>\$19,883</b>	<b>\$0</b>	<b>\$44,570</b>
<b>Mainframe/Minicomputer</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$0	\$0	\$0	\$0	\$0
Hardware	\$0	\$0	\$0	\$0	\$0
Hardware Maintenance	\$0	\$0	\$0	\$0	\$0
Applications Software	\$0	\$0	\$0	\$0	\$0
Applications Software Maintenance	\$0	\$0	\$0	\$0	\$0
Systems Software	\$0	\$0	\$0	\$0	\$0
Systems Software Maintenance	\$0	\$0	\$0	\$0	\$0
Other One-Time Expenditures	\$0	\$0	\$0	\$0	\$0
Other Recurring Expenditures	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PC/RISC/LAN/DOS</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$203,345	\$0	\$0	\$0	\$203,345
Hardware	\$141,181	\$0	\$0	\$10,703	\$151,884
Hardware Maintenance	\$7,931	\$0	\$0	\$0	\$7,931
LAN Operating System	\$0	\$0	\$0	\$0	\$0
Off-the-shelf User Software	\$75,285	\$0	\$0	\$0	\$75,285
Developed User Software	\$3,000	\$0	\$0	\$340,326	\$343,326
Maintenance(recurring)	\$40,990	\$0	\$16,328	\$0	\$57,318
Other One-Time Expenditures	\$24,074	\$0	\$155,339	\$0	\$179,413
Other Recurring Expenditures	\$5,750	\$0	\$0	\$0	\$5,750
<b>Subtotal</b>	<b>\$501,556</b>	<b>\$0</b>	<b>\$171,667</b>	<b>\$351,029</b>	<b>\$1,024,252</b>
<b>Telephony</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$56,430	\$0	\$0	\$0	\$56,430
OIR Local Wireline Service	\$15,000	\$0	\$0	\$0	\$15,000
OIR Long Distance Service	\$0	\$3,500	\$0	\$0	\$3,500
Local Telco Wireline Service	\$5,286	\$0	\$47,573	\$0	\$52,859
IXC Long Distance Service	\$974	\$0	\$8,770	\$0	\$9,744
Cellular/PCS/Pager Services	\$8,755	\$0	\$93,061	\$0	\$101,816

Alternate/Wireless Access to PSTN	\$0	\$0	\$0	\$0	\$0
PBX/Key Equip., Maint. & Other Equip.	\$4,451	\$0	\$40,060	\$0	\$44,511
Voice Mail Equipment and Maintenance	\$0	\$0	\$0	\$0	\$0
IVR Equipment and Maintenance	\$0	\$0	\$0	\$0	\$0
Other	\$9,000	\$0	\$0	\$0	\$9,000
<b>Subtotal</b>	<b>\$99,896</b>	<b>\$3,500</b>	<b>\$189,464</b>	<b>\$0</b>	<b>\$292,860</b>
<b>Training</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Technical Training for IT Staff	\$4,348	\$0	\$0	\$0	\$4,348
IT Utilization Training for Managers	\$0	\$0	\$0	\$0	\$0
IT Systems End-User Training (all staff)	\$40,000	\$0	\$0	\$0	\$40,000
End-User Support (e.g. Help Desk)	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$44,348</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$44,348</b>
<b>Video</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$81,902	\$0	\$0	\$0	\$81,902
Contractual Services: SCETV	\$500	\$0	\$0	\$0	\$500
Contractual Services: Other Public Sector	\$0	\$0	\$0	\$0	\$0
Contractual Services: Other Private Sector	\$15,000	\$0	\$0	\$0	\$15,000
Equipment, Maint., & Supplies	\$900	\$0	\$0	\$0	\$900
Other	\$10,000	\$0	\$0	\$0	\$10,000
<b>Subtotal</b>	<b>\$108,302</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$108,302</b>
<b>Wide Area Network</b>	<b>Approp.</b>	<b>Revenue</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
Personnel Services	\$0	\$0	\$0	\$0	\$0
Equipment and Maintenance	\$2,000	\$0	\$0	\$0	\$2,000
Access/Line Charge - OIR	\$0	\$0	\$0	\$0	\$0
Access/Line Charge - SCINET	\$27,680	\$0	\$249,121	\$0	\$276,801
Access/Line Charge - TELCO	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$29,470</b>	<b>\$0</b>	<b>\$247,231</b>	<b>\$0</b>	<b>\$276,701</b>
<b>Approp.</b>	<b>\$1,256,524</b>	<b>\$15,500</b>	<b>\$628,245</b>	<b>\$351,029</b>	<b>\$2,251,298</b>
<b>Total</b>					

SCSDB has made many of the purchases recommended in the One-Time Budget section over the last two years. Plans are to re-evaluate the requests utilizing the purchasing approval process to be developed in upcoming months. These purchases were not part of E-Rate requests.

**1. Progress Evaluation Process:**

The progress toward implementing the goals in this technology plan are being tracked in an overall technology assessment which was done by the office of the SC State CIO, which will be updated on a quarterly basis. This technology assessment is a comprehensive assessment of SCSDB's current status regarding Information Technology, an assessment of what changes are needed and wanted, and what is needed to implement these changes. This assessment and related planning have addressed technology, business processes, organizational issues and training. If slippage is detected by this evaluation, a determination will be made as to what should be done to correct any problems which have contributed to the slippage.

**5. Appendix: Report on Last Year's Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes**

**2005-06 Goals and Objectives, with the status of outcomes and assessments.**

**Please note that Outcomes have been updated for each objective below.**

**TECHNOLOGY DIMENSION 1 – Learners and their Environment**

**Goal:** SCSDB will use research-proven strategies to provide residential hall, school, and community environments conducive to our students achieving technological literacy and to raise the overall level of academic achievement.

**Objective 1:** Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state standards across the curriculum and will thereby increase access their level of academic achievement.

**Outcome:** 45% of this objective has been achieved.

**Objective 2:** Students will engage in authentic learning activities that are aligned with state standards and that integrate technology, including assistive technology, into the core content.

**Outcome:** 75% of this objective has been achieved.

**Objective 3:** Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks.

**Outcome:** 35% of this objective has been achieved.

**Objective 4:** SCSDB will provide students with an extended learning environment through technological tools, including assistive technology, that are designed to promote high academic achievement.

**Outcome:** 75% of this objective has been achieved.

**Assessment:** Progress has been made in all areas. Plans are in place to complete all the objectives within the intended timeframe.

**TECHNOLOGY DIMENSION 2 – Professional Capacity**

**Goal:** SCSDB will provide curriculum development and professional development to increase the competency of SCSDB educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

**Objective 1:** SCSDB will enable educators to achieve and demonstrate proficiency in integrating state-recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) into their specific area of professional practice to increase student achievement.

**Outcome:** 75% of this objective has been achieved.

**Objective 2:** SCSDB will continue to allow the principals of each school to serve as the visionary leaders in technology, ensuring that technology is making a significant instructional and administrative impact for students, teachers, and administrators.

**Outcome:** 95% of this objective has been achieved.

**Objective 3:** SCSDB will collaborate with SDE in planning for professional development, ensuring that teachers and district staff are trained to use technology, including assistive technology, to enhance learning.

**Outcome:** 100% of this objective has been achieved.

**Objective 4:** SCSDB will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.

**Outcome:** 75% of this objective has been achieved.

**Objective 5:** SCSDB will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement

**Outcome:** 50% of this objective has been achieved.

**Assessment:** Progress has been made in every area except Objective 5. Objective 3 is complete. Plans are in place to complete all the objectives within the intended timeframe.

**TECHNOLOGY DIMENSION 3 – Instructional Capacity**

**Goal:** SCSDB will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

**Objective 1:** SCSDB will develop a technology framework for local planning that addresses the steps necessary to create a technology-rich environment that will foster increased achievement by all students, including those with special needs.

**Outcome:** 100% of this objective has been achieved.

**Objective 2:** SCSDB will provide teachers with the technology resources, including assistive technology, necessary to increase academic achievement by engaging students in active learning.

**Outcome:** 100% of this objective has been achieved.

**Objective 3:** SCSDB will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting and schedule.

**Outcome:** 35% of this objective has been achieved.

**Objective 4:** The SCSDB will provide and support a variety of multimedia equipment and software for teaching and learning.

**Outcome:** 75% of this objective has been achieved.

**Assessment:** Progress has been made in every area except Objective 3. Objective 1 is complete. Plans are in place to complete all the objectives within the intended timeframe.

**TECHNOLOGY DIMENSION 4 – Community Connections**

**Goal:** SCSDB will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

**Objective 1:** The SCSDB will establish community technology partnerships and collaborations by providing tools, resources, and training that support student transition, achievement, and outcomes. (The term *community* includes parents, businesses, state and local agencies, nonprofit groups, and institutions of higher education.)

**Outcome:** 75% of this objective has been achieved.

**Objective 2:** SCSDB will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.

**Outcome:** 100% of this objective has been achieved.

**Objective 3:** The SCSDB will provide after-hours training and community access to labs, media centers, and classrooms.

**Outcome:** 75% of this objective has been achieved.

**Objective 4:** The SCSDB will ensure that all their buildings are linked by the Internet to the State Library's DISCUS databases and to the Web sites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.

**Outcome:** 75% of this objective has been achieved.

**Assessment:** Progress has been made in all areas. Plans are in place to complete all the objectives within the intended timeframe.

**TECHNOLOGY DIMENSION 5 – Support Capacity**

**Goal:** SCSDB will expand and support technology resources to assist educators and learners in meeting the state academic standards.

**Objective 1:** The SCSDB will ensure that all students, including those with special needs, and teachers have access to electronic information resources.

**Outcome:** 100% of this objective has been achieved.

**Objective 2:** SCSDB will work to ensure that their schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks that allow for communication, data collection and distribution, and distance learning.

**Outcome:** 50% of this objective has been achieved.

**Objective 3:** The SCSDB will have sufficient qualified technical staff, including qualified staff in the networking, server operation and maintenance, and helpdesk areas.

**Outcome:** 75% of this objective has been achieved.

**Objective 4:** The SCSDB will implement a disaster recovery plan for all points of failure in LANs and WANs, including redundant data storage, robust automated backup, and immediate hardware recovery.

**Outcome:** 80% of this objective has been achieved.

**Objective 5:** The SCSDB will implement obsolescence and upgrade plan to replace and recycle equipment and software.

**Outcome:** 80% of this objective has been achieved.

**Objective 6:** SCSDB will increase their ability to design Web pages and Web-based instruction that are accessible to students and staff with special needs in accordance with Section 508 of the Rehabilitation Act of 1973 as amended by the Workforce Improvement Act of 1998.

**Outcome:** 90% of this objective has been achieved.

**Assessment:** Progress has been made in all areas. Plans are in place to complete all the objectives within the intended timeframe.

## 2. Plan Update Certification Signoff

*I verify that all above components for the South Carolina School for the Deaf and Blind's technology plan have been addressed:*

**Technology coordinator's name:** \_\_\_\_\_  
Please print.

**Technology coordinator's signature:** \_\_\_\_\_ **Date signed** \_\_\_\_\_

**Superintendent's name:** \_\_\_\_\_  
Please print.

**Superintendent's signature:** \_\_\_\_\_ **Date signed** \_\_\_\_\_