



August 24, 2007

To: Harry Roesch, ARC Project Coordinator
Appalachian Regional Commission
1666 Connecticut Avenue NW Suite 700
Washington, DC 20009-1068

From: Robert R. Byrd
P.O. Box 1709
Enka, NC 28728

Subject: ARC Progress Report for Contract # NC15443-06
Western North Carolina Education Network (WNC EdNET) Information
Technology Equipment

Dear Harry:

Attached herewith are two copies of the 3rd 120-day progress report for the WNC EdNET ARC equipment contract. This report is a sequential continuation of the prior report submitted on April 24, 2007.

You will note that significant major activities occurring since the submission of the prior report included:

- major product review and decisions relative to the type and specification of the proposed routing and switching equipment to be purchased;
- **purchase of the ARC funded equipment – As you know, the electronic and distance learning equipment procurement is the major part this ARC Project and its contribution to the overall WNC EdNET Project. Significant progress has been made during this reporting period relative to the equipment procurement and encumbrance of ARC funds. A request for funds “advance/reimbursement” will accompany this report.**
- major work on installing fiber to sites under contract; and
- progress toward procurement of significant additional funds to support WNC EdNET.

Copies of this report are being sent to the North Carolina ARC Liaison and the project officers of the Golden LEAF and Cherokee Preservation Foundations for their information.

Please let me know if you need additional information. Your assistance is acknowledged and appreciated. Best wishes for a nice springtime.

Robert R. Byrd

Cc: Bill Gibson
Roger Metcalf
Golden LEAF Foundation – Mark Sorrells, Pat Cabe
Cherokee Preservation Foundation - Susan Jenkins, Ashleigh Brown

**WNC EdNET Technology Equipment
Contract # NC-15443-06**

**Progress Report
May 1, 2007 – August 30, 2007**

**Submitted to:
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Appalachian Regional Commission
1666 Connecticut Avenue NW
Suite 700
Washington, DC 20009-1068**

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Submitted by:

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Acknowledgements

The Technology Coordinators, Technology Applications Committee, are commended for the assistance provided in the preparation of this report. The North Carolina ARC Liaison, Olivia Collier, has been helpful with the implementation of the WNC EdNET ARC component. She has recently visited the WNC EdNET region and has met with Bill Gibson of the Southwestern Commission and others in helping to explore options for completing the Graham County WNC EdNET segment.

Report Distribution

It should be noted that the report will also be submitted to the Golden LEAF and Cherokee Preservation Foundations and to the NC Rural Center to be used as a project update/progress report for their respective purposes. The report has been sent to the N.C. ARC Liaison, Olivia Collier.

ARC Progress Report Outline

- I. WNC EdNET Background Information**

- II. Summary of Outcomes and Specific Progress**

- III. Summary and Projections**

- IV. ARC Financial Request**

Appendix A ~ WNC EdNET Activity Log

Appendix B ~ Infrastructure Progress Report/Equipment

Appendix C ~ Related Volunteer Contributions

ARC Progress Report

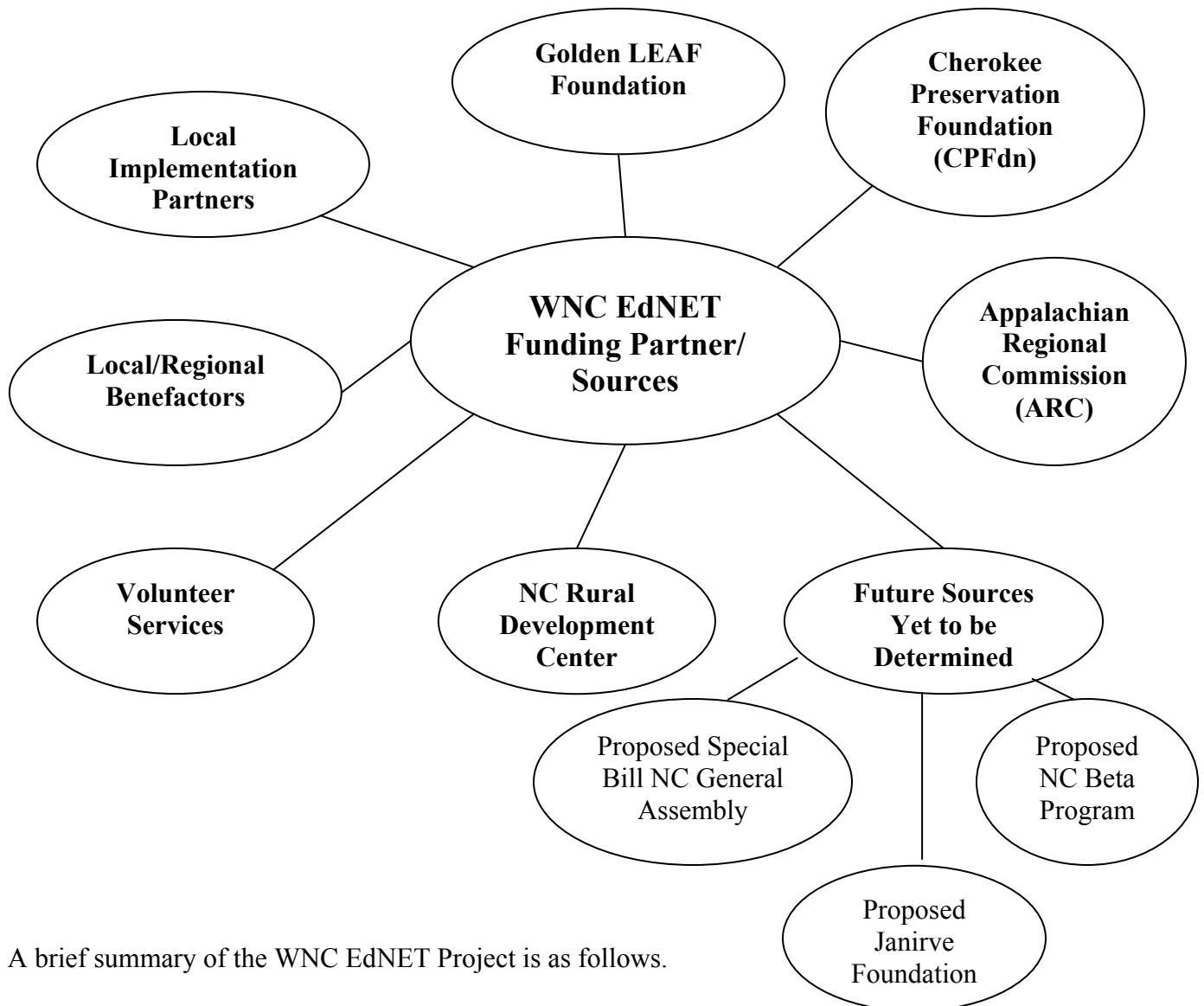
January – April 2007

I. WNC EdNET Background Information

This ARC Project is a partner with other funding sources such as Golden LEAF Foundation, Cherokee Preservation Foundation, local benefactors, The NC Rural Development Center and local sources (see Exhibit I, Funding Partners) for the purpose of establishing a broadband learning project called WNC EdNET.

Exhibit I

WNC EdNET Funding Sources



A brief summary of the WNC EdNET Project is as follows.

WNC EdNET Overall Purpose

To collaboratively assist the schools and colleges in **Jackson, Macon, Clay, Cherokee, Graham and Swain Counties, and the Cherokee Tribal Schools** to procure and use upgradeable high capacity broadband technology configurations and services to enhance learning, professional development, and organization administration, and to open up learning opportunities not currently available or imagined.

Objectives

- 1) To establish a collaborative of partners for the purpose of collaboratively enhancing the development and use of technology as a tool for improving learning opportunities
- 2) To facilitate procurement of broadband infrastructure by participating partners' central and field sites
- 3) To facilitate capacity building and use of broadband technology for the enhancement of teaching and learning
- 4) To help export the WNC EdNET model to other potential adopting sites.

Partnerships and Organization

The project grantee, the Southwestern Commission, is in partnership with the Western Region Education Service Alliance (WRESA) to collaboratively manage the grants. An Executive Steering Committee composed of the CEOs of the 12 partners plus a Golden LEAF representative governs the project. Partner Technology Coordinators are primarily responsible for implementing and helping to evaluate the program. A Technology Applications Committee provides leadership in use of high speed technologies and applications. Consulting Partners from other agencies and organizations such as ERC, e-NC Authority and NCDPI provide technical leadership and guidance.

PARTNERS

Southwestern NC Planning & Economic Development Commission
Western Region Education Service Alliance (WRESA)
Jackson County Schools
Macon County Schools
Clay County Schools
Cherokee County Schools
Graham County Schools
Swain County Schools
Cherokee Tribal Schools
Southwestern Community College
Western Carolina University
Tri County Community College

ARC Component

The ARC funding from the grant is dedicated to the provision of electronic and distance learning equipment.

II. Summary of Outcomes and Specific Progress made toward implementing the major project activities.

Goal: (ARC Goal 2) “Strengthen the capacity of the people of Appalachia to compete in a global economy.”

Strategies:

- *ARC Strategic objective 2.4 “Increase Educational Attainment and Achievement”*
- *NC Strategy 2.4.2 “Assist Appalachian Communities in activities promoting high education standards that will aid in retaining students through graduation, in increasing post-secondary attainment, and/or involving citizens in their education system.”*

The outcome for the project goal is long term and it is interconnected with the strategies.

Progress Although the goals and strategies are long term, and the **ARC equipment procurement is in process**, the various partners are not operating in a vacuum. Currently each of the partners individually and collaboratively with the state and other initiatives are engaging in a mosaic pattern of activities which will enhance goal/strategy attainment. Examples are:

- The NC Department of Public Instruction has a regionally based Technology Consultant who monitors progress in technology planning procurement and use and assists and nurtures technology initiatives in the schools.
- Some of the partner school districts have been recipients of Community Technology Learning Center (CTLC) grants from the NC Department of Public Instruction over the past several years. The implementation of these grants has provided some of the schools a good readiness capability for involvement in the WNC EdNET broadband project.
- Each of the partners has a Technology Coordinator and other staff assigned to planning, procurement and use of technology.
- State planners are in the process of planning for a statewide connectivity program designed to bring broadband connectivity to homes and schools. It is anticipated that the statewide program will build on existing regional networks such as WNC EdNET. Planners are currently seeking funding from the NC Beta Program for the purpose of completing WNC EdNET.
- Each of the WNC EdNET partners is continuously procuring computers and other technology hardware and software. There is an increase in student technology access and use.

- Partners are beginning to do some collaborative “experiments” or “tests” with currently available transport and new technology hardware and software. The community colleges and the universities are working with the K-12 schools to set up some documentation. Examples include: (1) The Southwestern Community College has worked with the Cherokee Tribal School in installing some distance learning equipment, and (2) the Western Carolina University is working with Clay County Schools to “test” the delivery of music via technology.
- The Technology Coordinators have been and are planning to be engaged in intense professional development experiences related to broadband deployment configurations and equipment comparisons capability and use. The Southwestern Community College is providing leadership and support for much of this training.
- Partners are submitting lists of locally procured equipment which will help with the ARC match.

Additional work to be accomplished on the goals and strategies includes:

- Full project implementation
- Collecting baseline measurement data
- Collecting, analyzing and reporting outcome data.

ARC Activity #1:

- *Sustaining a regional collaborative consisting of CEO’s and Technology Coordinators from each of the implementation school district and college partners.*

Progress: As reported in the grant application, the WNC EdNET collaborative structures have been in place for almost two years. Examples of specific activities included several meetings of the Technology Coordinators for planning and decision making. Meetings of the Executive Committee have been used to select the infrastructure vendor and to approve the negotiated agreement with the vendor. The Technology Applications committee has been involved in planning curriculum applications of technology. All collaborative parties have been involved planning development and dissemination of the WNC EdNET Project (See Appendix A – WNC EdNET Activity Log).

Guidelines for the establishment of a 501 (c) (3) organization (WNC EdNET Inc.) have been developed. The organization is currently being formalized.

All of the collaborative bodies are currently participating in the plans for the Technology Awareness Conference to be held next fall (October 12, 2007).

- Multiple funding initiatives are currently underway to include requests to the state Beta program which has committed \$621,000 to WNC EdNET. A special bill introduced in the NC General Assembly to help fund WNC EdNET was not funded. The 501 (c) (3),

WNC EdNET Inc., submitted a request for funding to the Janirve Foundation in June 2007. This request is currently under consideration. Formula for partner pro-rata funding of WNC EdNET Inc. and the long term maintenance of the WNC EdNET fiber are currently under consideration. A second request for funding has been submitted to the Beta program and the Golden LEAF Foundation during this reporting period.

Additional work to be accomplished on this activity includes:

- Formal adoption of WNC EdNET Inc.
- Formal agreement and adoption of WNC EdNET maintenance agreement.
- Continue to collaboratively seek funding and other resources to support the project.

ARC Activity #2:

- *The building of the transport infrastructure to each of the 60 education sites is currently underway. Contract negotiations are in the final stages. Golden LEAF, Cherokee Preservation Foundation and Philanthropic contributions are the major sources of funding for the “build” phase. A portion of the Golden LEAF and Cherokee Preservation Foundation funds will be used to provide a match for the ARC funds herein requested. The vendor ASAP (Alliance for Southern Appalachian Prosperity) will complete the infrastructure build over the next several months. (Note: Some additional procurement funds will be needed.) The procurement goal is to connect each partner headquarters with each of its “field” sites (via star topology), then connect the partners with each other (via a ring), then connect to the outside world (via low cost internet services). **The ARC funds are being used to procure connection and use equipment which will allow the educational sites to access and use the transport infrastructure.***

Progress has been made during the reporting period toward accomplishing this activity as follows:

- **Orders for the ARC electronic equipment have been placed.**
- Contractual agreements were finalized to begin work on the provision of transport infrastructure (fiber) to all school sites except for 5 schools in Cherokee County and 1 school in Macon County. Funds have been obtained to place the Cherokee County schools under contract. Project planners made the decision to begin work with funds “in hand” rather than wait for an indefinite period of time while other resources were solicited. Funds have not been obtained for infrastructure to connect Highlands School or the 13 college field sites.
- Work on the fiber transport system to sites under contract has begun and is making substantial progress. Several sites are currently ready to be connected, pending the delivery and installation of the switching/routing and related equipment (See Appendix B Infrastructure Progress Report).

- Additional funding was obtained from the Cherokee Preservation Foundation and the NC Rural Center to help cover the cost of the underground deployment of fiber from Tipton to Robbinsville. Rock terrain in this 14 mile section increased the cost per mile; however, project planners, funding source, the Graham County government, and the ECBI (Eastern Band of the Cherokee Indians) supported this decision as being the most appropriate method of fiber deployment. A funding request has been submitted to the ARC to assist with partial funding of the Robbinsville – Tipton link.
- The Carlton family has made a significant donation which will fund the Cashiers fiber link.
- The Southwestern Community College has made a major contribution of fiber for the WNC EdNET Ring (See Appendix C Related Volunteer Contributions).

Additional work needing to be accomplished on this activity includes:

- Procure specific funding for the remaining school and college sites.
- Complete construction of the Tipton to Robbinsville section of fiber deployment.
- Continue with procurement and installation of electronic equipment needed to make the fiber transport fully operational and functional.
- Complete the deployment of fiber and electronics to all of the schools.
- Monitor and evaluate the construction and installation of infrastructure and equipment.

ARC Activity #3:

- *The selecting, procuring and installing of ARC procured connection, switching and use equipment is the first major ARC proposed activity. The project engineer working with the technology coordinators have the primary responsibility of coordinating this activity. The equipment will need to be selected, ordered, installed and tested in the first phase.*

Progress toward accomplishing this activity has been significant during this reporting period. The following positive progress has occurred during the reporting period:

- Major collaborative decisions regarding the type, specification, and capacity of electronic equipment for WNC EdNET have been made. These decisions involved intense discussions with engineers and vendors. The Technology Coordinators met with state network staff at Research Triangle Institute and subsequently met with engineers from Cisco Systems at Southwestern community college. After much consideration the Technology coordinators voted to procure and deploy SONET type equipment. Capacity serviceability, upgradeability, and reliability were major considerations.

- The switching and routing equipment to be purchased has been identified and ordered. The equipment identification has been a long and technical process. The Technology Coordinators considered cost, upgradeability, re-occurring cost, etc. as key elements for consideration. The premise of investing on the front end in order to lower long term reoccurring cost was adopted. The distance learning equipment is in the process of being specifically identified and ordered.

Additional work to be accomplished on this activity includes:

- Procure additional funding.
- Aggregate from all sources the equipment funds and request bids.
- Continue procurement.
- Inventory equipment, deploy to sites and install equipment.
- Test equipment.
- Provide training.
- Use equipment to enhance learning.

ARC Activity #4:

- *The use of the technology to enhance learning will be a long-term process and will be coordinated by the partner Technology Coordinators and Curriculum Coordinators. Regionally the partner Technology Coordinators and Curriculum Coordinators comprise the Technology Applications Committee which will provide much of the leadership and guidance for the technology application/use phase of the project. The Technology Application Committee is currently under the co-chair leadership of the college and public school sectors and has been operational for several months.*

A state of the art Technology Application Awareness Conference is planned for the purpose of showcasing many ways of effective uses of technology to enhance learning. This conference will be coordinated by the Technology Applications Committee and area colleges and is planned for 2007.

Progress: Since its empowerment, the Technology Applications Committee (TAC) has had several meetings in various physical locations as well as cyber meetings. The committee has co-chairs (1 from the higher education sector and 2 from the public school sector) who establish the agendas and conduct the meetings. Examples of major areas of focus thus far include review of internet 2, review of Centra software for cyber meetings, review of various local partner technology application initiatives, and planning for the region-wide Awareness Conference on technology application for learning. The TAC group decided to request the WRESA to manage the Awareness Conference to be held in October 2007 at Western Carolina University. The group requested that area Superintendents establish a teacher workday in the school calendar

which would permit all teachers to attend the conference. The workday was established. The conference will be on October 12, 2007.

Funding for the conference will come from Golden LEAF funds and participant registration fees.

Additional work to be accomplished included logistical organization for the conference, the selection of speakers and technology programs to be showcased, the development of a relevant program sensitive to various audiences and the development of “roadmaps” for follow up initiatives. Much of this has been done, school presentations are now under consideration. The WRESA has identified the keynote speakers, and has secured the WCU Ramsey Center location. Follow up “roadmaps” need to be developed.

ARC Activity #5:

- *Record keeping, data collection, data analysis and reporting will be a major project activity and will be part of quality control monitoring and evaluation. The project director will coordinate this activity. Periodic reports will be provided to the key stakeholders in the project as well as to the funding agencies.*

Progress: Project staff has continued to update the Project “Activity Log” (See Appendix A WNC EdNET Activity Log). The finance officer continues to provide updated information on the budget. He has submitted two financial reports to the CPFdn during this period.

The primary vendor has submitted 3 progress reports during this reporting period (See Appendix B Infrastructure Progress Reports). An on-site funding agency project review and infrastructure tour was conducted on 7-23-07. Vendors and project staff provided funding agencies a progress update on infrastructure deployment and project issues. The CPFdn hosted and facilitated an interactive luncheon session.

Additional work to be accomplished includes:

- Prepare and submit reports.
- Gather and analyze evaluation data in the areas of student performance, contract negotiations, quality control of infrastructure deployment; and awareness conference and training efficacy.
- Prepare and distribute evaluation reports.

ARC Activity #6:

- *Dissemination and exportability of the project will be done as needed. A publicity event and some overview presentations have been provided to describe project progress thus far. A project brochure has been developed. More formal presentations and technical assistance capability will be developed to assist “adopters” as the WNC EdNET demonstrates more effectiveness.*

Progress: The project dissemination activities continued during this reporting period. Project personnel have had meetings with state staff explaining WNC EdNET and discussing hookup to the state network as well as discussing state funding potential.

Balsam West FiberNet (primary vendor) provided a major publicity event on March 9, 2007 showcasing various aspects of WNC EdNET. Numerous political and civic leaders as well as educators and business representatives were in attendance. This meeting was held in the Cherokee Tribal Casino Hotel.

The Cherokee Preservation Foundation sponsored a publicity event in May. The WNC EdNET project had a booth and 2 persons providing WNC EdNET information. Approximately 40 persons visited the WNC EdNET booth.

An overview of the WNC EdNET project was presented at the North Carolina statewide Summer Leadership Conference June 25, 2007 in Asheville. Approximately 900 instructional leaders from across the state attended the conference. WNC EdNET was presented in a breakout session.

Additional work to be accomplished includes:

- Conducting the Technology Awareness Conference (October).
- Update the project brochure.
- Prepare a DVD depicting the WNC EdNET story.
- Continue presentations at national, state and local meetings.

III. Summary/Projections

Many aspects of WNC EdNET are actively coming together. The transport infrastructure is being deployed, plans and initiatives for additional funding are in place, the 501 (c) (3) organization is close to being formalized, the Awareness Conference is on track, and **ARC equipment decisions and orders are in process.**

When the Technology Coordinators recently decided to have a 10 Gb capacity and to use high capacity upgradeable electronics, the cost projections for the electronic equipment increased substantially.

The increased cost requires additional funding. The request for additional funding has been submitted to the Golden LEAF Foundation.

IV. ARC Financial Request

All of the ARC funds are obligated and some payments are needed to be made soon. Roger Wiggins will be forwarding directly to ARC funding requests to support the project activities.

Appendix A

WNC EdNET Activity Log

Appendix A Activity Log

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
4/12/2005	WRESA	Bill Gibson (SEDPC), Mark Sorrells (Golden Leaf), Patricia Cabe (Golden Leaf), Dale Carroll (Advantage West), Billy Clarke (Golden Leaf), Roger Metcalf (WRESA), Bob Byrd (WRESA)	Meeting called by Bill Gibson to explore WRESA involvement/ assistance with Golden Leaf Technology effort in western most North Carolina schools. WRESA agreed to collect needs data and to follow up with school superintendents and technology coordinators.
4/20/2005	WRESA	6 Superintendents, WRESA Director	WRESA Director briefed superintendents on possible Golden LEAF initiative and needs data collection.
4/26/2005	SWCC	SWCC, WRESA, 6 School District Technology Coordinators, Balsam West, Drake Enterprises, WCU, Cherokee Tribe TCCC, NC DPI	Excellent information, sharing session. Presentation by SWCC and Balsam West group as per broadband history/efforts in 6 western counties.
4/26/2005	SWCC	WRESA, 6 School District Superintendents/Technology Representatives, NC DPI	WRESA Director asked for direction and planned next steps.
4/29/2005	Swain County High School	WRESA, 6 School Superintendents and Technology Coordinators, NC DPI	WRESA Director presents overview information on Golden Leaf effort and requests direction from superintendents who advise him to proceed with planning and development of a grant application.
5/12/2005	Franklin	WRESA, Clay County School Superintendent, Technology Coordinator	Discussed technical possibilities, background information and future direction.
5/18/2005	WRESA	WRESA, 6 Superintendents	WRESA Director updated superintendents on needs data.
5/20/2005	Jackson County	WRESA, Superintendents, Golden Leaf	WRESA Director and Golden LEAF staff discussed broadband collaborative issues and possibilities.
5/23/2005	WRESA	WRESA, Swain Technology Coordinator, Clay Technology Coordinator, Golden Leaf, ERC, Cherokee Preservation Foundation, E-N-C Authority	Information update, question and answer, multi-party involvement agreement for proposal development.
6/1/2005	Franklin	WRESA, D-Net, Clay County Schools	Multiple party information sharing.
6/1/2005	Franklin	WRESA, Clay County Schools	Planning, organization
6/7/2005	Murphy	Pat Cabe, Mark Sorrells, Roger Metcalf, Norman Oglesby, Marjorie Tucker	Information sharing - working on collaborative model.
6/8/2005	Webster	Pat Cabe, Mark Sorrells, Roger Metcalf, Norman Oglesby	SCC - Information sharing - working on collaborative model.
6/14/2005	Cherokee	Brandon Stevens, Bob Byrd, Charles George, Andy Gibson, Roger Metcalf	Information sharing - building a collaborative model.
6/21/2005	Cherokee	WRESA, EBCI Planner	Information sharing
6/21/2005	Cherokee	WRESA, EBCI School Superintendent	Information sharing, organization
7/8/2005	Asheville	WRESA and selected collaborative members	ENC Authority conference; Connectivity meeting - presentation.
7/15/2005	Bryson City	Andy Gibson, Leonard Winchester, Bob Byrd, Roger Metcalf, Mark Sorrells	Update - Review - Setting dates
7/15/2005	Robbinsville	Mike Edwards, Bob Byrd, Roger Metcalf	Discussion of Graham's needs in broadband connectivity.
7/15/2005	Sylva	Technology Coordinators	Information sharing, planning

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
7/18/2005	Bryson City	WRESA, Clay, Swain Technology Coordinators	Information sharing, planning
7/21/2005	Franklin	WRESA, Technology Coordinators	Information sharing, planning
7/26/2005	Bryson City	WRESA/Southwestern Commission	Fiscal agent determination.
7/28/2005	Murphy	WRESA, Technology Coordinators, Golden LEAF, Southwestern Commission	Agreement on basic plans
7/29/2005	Franklin	WRESA, Superintendents, College Presidents, Technology Coordinators	Agreement on plans, budget, & service agreement
8/10/2005	Franklin	WRESA, Clay, Swain	Budget, Bidders' guidelines
8/11/2005	Bryson City	WRESA, Clay, Swain	Technical design discussions
8/15/2005	WRESA	WRESA, Southwestern Commission	Final Proposal submission
8/16/2005	WRESA	WRESA, Clay	Process checklist development.
8/22/2005	Cherokee	WRESA - Region A	Annual dinner
8/26/2005	WRESA	WRESA, Golden LEAF, Clay	Process checklist developed.
9/16/2005	Franklin	WRESA-2, Southwestern Commission-2, Etel. Com-4	Announcement of Golden LEAF Award/Conditions
9/29/2005	Swain HS	Technology Coordinators-9, WRESA/Southwestern Commission-2, CEO's-2, Other-15	Pre-Bidder Conference
10/13/2005	Cherokee	WRESA-2, CPFdn-3	Explore funding options
10/27/2005	WRESA	Bob Byrd, Andy Gibson, Leonard Winchester	Plan evaluations and procurement bid
10/28/2005	Email, Phone	WRESA-1, CPFdn-1	Submit questions/COI
11/1/2005	WRESA	WRESA-1, Golden LEAF-1	Explore COI Policy & budget
11/3/2005	Swain MS	WRESA-2, Clay, Swain, SW Commission	Plan procurement and CPFdn budget
11/9/2005	Email	WNCEdNET Groups	Mail CPFdn draft
11/11/2005	WRESA	WRESA-1, Vendors-8	Receive proposals
11/14/2005	Swain MS	WRESA-2, Technology Coordinators-9, Consultants-2	Open/review proposals
11/16/2005	Macon BOE	WRESA-2, Technology Coordinators-9, Consultants-2, Vendors-8	Vendor proposal presentations
11/17/2005	Macon BOE	Technology Coordinators-9, Consultants-2	Review proposals
11/22/2005	Macon BOE	WRESA-2, Technology Coordinators-9	Review proposals
11/29/2005	Cherokee Holiday Inn	WRESA-1	Burroughs Welcome Mtg
12/7/2005	Macon BOE	WRESA-2, Technology Coordinators-9	Review proposals select ASAP
12/16/2005	Macon BOE	WRESA-2, SW Commission-2, Technology Coordinators-9, Executive Committee-9	Present recommendations to Executive Committee ASAP
1/3/2006	WRESA	WRESA-2, Golden LEAF-1	Review progress plan budget
1/10/2006	Sylva	WRESA-2, Technology Coordinators-2	Plan setup of Applications Committee
1/19/2006	Macon BOE	WRESA-2, Technology Coordinators-9, Vendors-11	Negotiations with ASAP/planning
1/20/2006	SW Commission - Bryson City	Technology Coordinators-4, Executive Committee-3, WRESA-3, Golden LEAF-1	Plan publicity, discuss negotiations, plan budget format/process, plan future funding

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
1/25/2006	Clay BOE	Technology Coordinators/Applications Committee-14, WRESA-2	Organization of Technology Applications Committee
1/27/2006	Cherokee County Schools	WRESA-1, Technology Coordinators-1	Site visit/Formative Evaluation
1/27/2006	Clay County Schools	WRESA-1, Technology Coordinators-1	Site visit/Formative Evaluation
2/1/2006	WRESA	WRESA-3, Technology Coordinators-2	Plan ERC funding presentation
2/6/2006	Congressman Taylor's Office	WRESA-2, Golden LEAF-1, Technology Coordinators-2, Congressman-1, ERC-6	Funding request presentation
2/9/2006	SW Commission - Bryson City	WRESA-1, SW Commission-1	Budget Process Planning
2/9/2006	Swain County Schools	WRESA-1, Technology Coordinator-1	Site visit/Formative Evaluation
2/9/2006	Cherokee Central Schls	WRESA-1, Technology Coordinator-1	Site visit/Formative Evaluation
2/10/2006	Various	WRESA-2, Applications Committee-8	Cyber Mtg -Test of Centra
2/14/2006	WRESA	WRESA-8, LearNC-1	Review NC LEARN online courses
2/17/2006	SWCC	WRESA-1, Technology Coordinator-1	Site visit, evaluation
2/17/2006	WCU	WRESA-1, Technology Coordinator-1	Site visit, evaluation
2/20/2006	Macon BOE	WRESA-2, Technology Coordinators/Application Committee-15	Technology Coordinators review contract negotiations option, Applications Committee selection of facilitator
2/23/2006	CPFdn	WRESA-2, Technology Coordinators-4, CPFdn-5	Review CPFdn/WNCEdNET grant application
3/1/2006	WRESA	WRESA-3, Technology Coordinators-2, ARC-1	Prepare ARC request
3/6/2006	Cyber Mtg	WRESA-3, Technology Coordinators-5, Application Committee-8	Centra Orientation, Review websites
3/7/2006	CPFdn	WRESA-1, Technology Coordinators-1, CPFdn-2	Review contract elements
3/9/2006	WRESA	WRESA-2, Technology Coordinators-2	Revise ARC request
3/10/2006	WRESA	WRESA-2, Southwestern Commission-2, CPFdn-1	Notification of funding
3/13/2006	WRESA	WRESA-4, Etel Com-11, Technology Coordinators-9, Consulting Committee-8	E-mail notice of CPFdn Funding
3/20/2006	Macon Co Sch	TAC (14)	Discuss needs assessment Internet II
12/7/05 - 6/19/05		Contract negotiations led by Leonard Winchester	
3/27/2006	WRESA	GL-1, WRESA-3	Discuss publicity event & work W R-Polk
4/12/2006	Rutherford BOE	WRESA-2, E Polk Pangea Librarians-20, Rutherford CS	Discuss plans for P-R broadband
4/24/2006	WRESA	WRESA-2, GL-2, Polk-2, Ruth-2, Cher-2	Discuss Golden LEAF Grant possibilities; decision for e-Polk to be grantee

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
4/27/2006	Smokey Mtn Elem Sch	Numerous agencies-26, approx. 250	GL/CPFdn Publicity Event
5/8/2006	Macon Co Sch	TAC-15	Review Tech programs
5/31/2006	Jackson Co Schools	Technology Coordinators-11, WRESA-3	Review contract, set up planning for maintenance
5/31/2006	Jackson Co Schools	Exec. Comm-7, Tech Coordinators-11, WRESA-3	Approve draft contract elements
6/8/2006	PPFdn	WRESA-1, CPFdn-1	Review evaluation
6/12/2006	Macon Co Sch	TAC-12, WRESA-1	Review Tech programs/needs policies
6/19-23/06	WRESA	Exec Comm, Tech Coord, SW Commission	Prepare ARC application
7/11/2006	CPFdn	WRESA (1), CPFdn (1)	Deliver WNC EdNET Brochures
7/11/2006	Raleigh	Lt. Gov (2), WRESA (1), Tech Coord (2)	Discuss state networks
7/14/2006	WCU	Exec. Comm. (1), WRESA (2), Other (3)	Review ASAP contract
7/18/2006	WRESA	Consulting group (1), WRESA (1)	Review evaluation for WNC EdNET
7/18/2006	Ch Hill	East-West Mtg. WRESA (1), Tech Coord (3)	Review broadband configurations
7/19/2006	Macon BOE	Tech Coord Mtg Tech Coord (7), WRESA (1), Other (2)	Approve contract; approve maintenance structure
7/19/2006	Macon BOE	Exec. Comm. (12) Tech Coord (6) WRESA (2)	Approve contract; approve maintenance structure
7/25/2006	Unknown	Tech Coord (4), WRESA (1)	List questions about the assessment goals and objectives
8/21/2006	SW Commission - Dinner	County Gov. Reps,	Annual Meeting
8/23/2006	SW Commission-Webster; Tech Coord Mtg	Tech Coordinators (6), WRESA - SW (4), Other (1)	Specific partner builds; discuss contract, ARC and maintenance.
8/30/2006	Cherokee Casino	WNC EdNET Presentation; WRESA (1), Other	Show Casino CPFdn Projects
8/30/2006	SW Commission - Webster	Staff Planning; SWC/WRESA (4), Tech Coord (2)	Planning contracting
9/7/2006	SWCC	WNC EdNET Planning; Tech Coord (2), SWC/WRESA (4)	Planning contracting
9/22/2006	Macon County Schools	Tech Coord. Meeting; Tech Coord (8); WRESA/SWC (2)	Discuss budget/ARC allocations
9/27/2006	Robbinsville	Exec Comm (1), WRESA/SWC (3), Tech Coord (1); Other (commissioners) (5)	Plan/explore Graham transport possibilities

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
10/10/2006	Cherokee	WRESA (1), Tech Coord (3), TAC (5)	TAC Plan Conference
10/26/2006	Webster	WNC EdNET SWC (1), WRESA (1)	Planning Bookkeeping
11/28/2006	Hayesville	Tech Coord (1), WRESA (1)	ARC Planning
11/29/2006	Phone Person/WRESA	SWCC (1), GCS (1), CPFdn (2), G. County (1), Tech Coord (1), WRESA (3)	Plan, prepare, submit to CPFdn Graham Co Supplement
12/5/2006	Macon Co BOE	Tech Coord (10), WRESA (2), TAC/Other (6)	Plan Awareness Conf. Select WRESA to manage; update WNC EdNET maintenance - management structure
12/7/2006	Phone	Tech Coord (2), WRESA (1)	Update/briefing ARC Report Planning
12/11/2006	Phone	Tech Coord (2), WRESA (3)	Plan ARC encumbrance process
1/4-5/2007	Webster/Cherokee	SW Comm (2), WRESA (2), CPFdn (1)	Prepare/submit Funding Spent Report
1/16/2007	Webster	Tech Coord (14), TAC (1), WRESA (2), SW Comm (2), Golden LEAF (1)	Review contracts, review Bi-laws, review Awareness Conf. Program, review funding
1/25/2007	WCU Cullowhee	WRESA (6), Other (4)	Scope out Ramsey Center for WNC EdNet Awareness Conf.
1/26/2007	WCU Cullowhee	WRESA (2), WCU (2), Tech Coord (2), Other (6)	Discuss/plan possibilities to use e-NC Authority to support EdNET
1/30/2007	Conference Call	WRESA (1), SW Comm (1), CPFdn (2)	Discuss Graham Supplement request
1/31/2007	SWCC - Webster	WRESA (1), Tech Coord (4), Other (4)	Review by vendor of SONET/alternatives
2/5/2007	Conference Call	WRESA (1), Tech Coord (10), Other (4)	Discuss 501 (c) (3) Janirve and Graham Supplement
2/6/2007	Macon Co. Tech Center	WRESA (1), Tech Coord (10), Other (4)	Review switching, routing and other equipment via vendor presentations for possible WNC EdNET procurement.
2/7/2007	WRESA - Phone Call/Discussion	WRESA (3), Other (1)	Establish contact with Janirve Foundation. Meeting set up with Mr. Dyson.
2/8/2007	WCU	WRESA (1), Other (4)	Planning session for Awareness Conference.
2/14/2007	Phone/Email	WRESA (3), SW Comm (2), Tech Coord (2), Others (7)	Prepare follow up report for CPFdn Graham Supplement.
2/22/2007	Graham Co. BOE Robbinsville	WRESA (1), SW Comm (1), BWFN (3), Execu. Comm. (1), Tech Coord (5), Other (4)	Review/plan/summarize CPFdn Graham Supplement, pricing and work schedule.
2/22/2007	WCU Outreach Center	WRESA (2), WCU (5), TAC (3)	Review Awareness Conf. Program plans. Decide on 2 Keynote speaks, discuss VIP representative.
2/23/2007	Janirve Office	WRESA (1), Tech Coord. (1), Other (1)	Discuss WNC EdNET needs with Janirve Director. Determine application/funding process.

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
3/7/2007	SW Comm	WRESA (1), SW Comm, (1), Tech Coord (1)	Realign budget.
3/9/2007	Harrah's Casino Hotel	Multiple agencies and participants.	Showcase of Balsam West Fiber Net
3/15/2007	MC NC Ofc RTP	Tech Coord (10), MC NC RTP (7)	Switching/Routing discussion and comparison
3/19/2007	Macon Co BOE	WRESA (1), Tech Coord (9), Other (1)	Discussed 501 (c) (3) WNC EdNET Inc. Revise draft, decide to meet March 28 on switching/routing.
3/21/2007	Southwestern Comm	WRESA (1), SW Comm (1)	Review project progress
3/23/2007	Email/Phone	WRESA (2), Tech Coord (3), Exec Comm (3), Other (1)	Review legislative possibilities/implications for WNC EdNET.
3/26/2007	SWCC	WRESA (2), Tech Coord (2), Exec Comm (3), Other (1)	Meet with Rep. Haire to discuss legislative implications.
3/27/2007	Bryson City	WRESA (2), Tech Coord (2)	Review WNC EdNET progress and plans for equipment/hookups.
3/28/2007	SWCC	WRESA (1), Tech Coord (9), Other (3)	Engineer technology comparisons SONET, ethernet DWDN
3/28/2007	SW Comm	WRESA (1), SW Comm (3)	Review CPFdn Graham Supplement & 501 (c) (3)
3/29/2007	Cherokee	WRESA (1), CPFdn (1)	Complete grant award contract Graham Supplement
3/30/2007	WRESA	WRESA (3), Tech Coord (4), Other (4)	Discuss BETA Application
4/3/2007	ERC Asheville	ERC (3), WRESA (2), Tech Coord (2)	Review/tour ERC and discuss services
4/19/2007	SW Comm	Tech Coord (10), WRESA (1), SW Comm (1), Other (1)	Tech Coord Meeting review 501 (c) (3) - approve. Review equipment/maintenance issues - adopt 100% approach.
4/25/2007	Jackson County BOE	TAC (2), Exec Comm (1), Tech Coord (10), WRESA (2), SW Comm (1), Other (1)	Tech Coord discuss/adopt 501 (c) (3). Discuss WNC EdNET maintenance.
4/25/2007	Jackson County BOE	Exec Comm (9), TAC (2), Tech Coord (10), WRESA (2), SW Comm (1), Other (2)	Executive Committee - adoption of 501 (c) (3) guidelines - review Awareness Conf - empower maintenance study group
4/26/2007	Tribal Tech. Coord. Cherokee	WRESA (1), Tech. Coord. (1), TAC (1)	Discuss Dissemination Program for CPFdn
5/9/2007	Jackson County BOE	WRESA (1), Tech Coord (2), Exec. Comm. (3), SW Comm. (1), Other (1)	Formalize 501 (c) (3) budget/guidelines
5/10/2007	SW Comm	WRESA (2), SW Comm (2), Tech Coord (1)	Budget integration and delineation work session – Golden LEAF budget report
5/14/2007	WRESA	WRESA (3), Other (2)	Janirve Grant Application preparation
5/23-25/07	WRESA	WRESA (3), SW Comm (2), Tech Coord (2), Others (5)	Prepare ARC Graham Application
6/24-26/07	Atlanta, GA	WRESA (1)	ISTE Conference

Date	Location	Participants/Representatives/Agencies	Brief Summary/Purpose/Results/Outcomes
7/12/07	Graham/Macon County Field work	WRESA (1), Tech (2)	Inspect fiber construction/deployment
7/13/07	WRESA	WRESA (7)	Awareness Conference Planning
7/16/07	WRESA	WRESA (7), TAC (2)	Awareness Conference Planning
7/23/07	Jackson/Swain County	WRESA (2), Tech Coord (2), Exec Comm (3), Other (6)	Tour of WNC EdNET infrastructure construction sites - project luncheon provided by CPFdn to update project funding agencies.
7/24/07	SW Comm	Tech Coord Mtg Tech Coord (9), WRESA/SW Comm (3)	Prepare equipment purchase list. Chose Cisco switching and routing equipment.
8/2/07	Phone/Email	CPFdn (2), Tech Coord (2), WRESA (2)	Initial planning for Gates Foundation funding discussions.
8/3/07	Swain County Schools BOE	WRESA (3), Tech Coord/TAC (6)	Planning for Awareness Conference
8/3/07	WRESA	WRESA (3)	Submission of funding request for Highlands to Beta
7/24-8/15/07	Mail	Tech Coord (7), SW Comm (1), WRESA (2)	Preparation & processing ARC equipment PO's
6/24-27/07	Grove Park Inn	Tech Coord (2), Other	WNC EdNET presentation statewide Summer Leadership Conference

Appendix B
Infrastructure Progress Reports

WNC EdNet Progress Update 2-26-07 v3

School:	Total Mileage	Existing Fiber	New Construction	Engineering Completed	NCDOT Permits Applied for	NCDOT Permits Approved	Pole Attachments Applied For	Pole Attachments Approved	Fiber Optic Cable Ordered & Delivered	Estimated Construction Start Date	Estimated Construction Completion Date
Cherokee Schools	0.672	0.63	0.042	Yes	N/A	Yes	N/A	N/A	Yes	3/22/2007	4/4/2007
Cherokee Elem	0.342	0.27	0.072	Yes	Yes	No	N/A	N/A	Yes	3/22/2007	4/4/2007
Cherokee HS	1.800	0.9	0.900	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee Middle	0.905	0.9	0.005	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee New School Complex	4.232	2.83	1.402	Yes	Yes	Yes	N/A	N/A	Yes		TBD by EBCI
Total in Miles	7.950	5.53	2.420								
Percentage Completion	91.52%	100%	72.13%	100%	100%	80.00%	100%	100%	100%		

Cherokee Co NOC	0.095	0	0.095	Yes	Yes	Yes	N/A	N/A	Yes	3/22/2007	4/12/2007
Andrews Elem	5.673	5.44	0.233	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Andrews High	6.302	5.44	0.862	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Andrews Mid	7.363	7.06	0.303	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Marble Elem	1.192	1.04	0.152	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Total in Miles	20.624	18.98	1.644								
Percentage Completion	92.03%	100%	0%	100%	100%	0%	100%	20%	100%		

Jackson Co Schools	0.038	0	0.038	Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	3/19/2007
Fairview Elem	2.670	2.67	0.000	Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	3/19/2007
Scotts Creek Elem	3.243	0.17	3.073	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	3/22/2007
Smokey Mtn Elem	13.113	12.84	0.273	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	3/22/2007
Smokey Mtn High	2.670	2.67	0.000	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	3/19/2007
School of Alternatives	1.117	0.17	0.947	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	3/30/2007
Cullowhee Valley School	10.159	9.97	0.189	Yes	N/A	N/A	N/A	N/A	Yes	6/4/2007	6/14/2007
Blue Ridge School	10.254	9.97	0.284	Yes	N/A	N/A	N/A	N/A	Yes	6/4/2007	6/14/2007
Total in Miles	43.264	38.46	4.804								
Percentage Completion	88.90%	100%	0%	100%	100%	100%	100%	100%	100%		

WNC EdNet Progress Update 2-26-07 v3

Macon Co Schools	0.000	0	0	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
W. Macon Elem	2.721	2.38	0.341	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Cullasaja Elem	8.110	4.61	3.500	No	No	No	No	No	No	TBD	TBD
E. Franklin Elem	3.495	3.23	0.265	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Franklin High	2.117	2.06	0.057	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Iotla Elem	6.720	2.72	4.000	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Macon Co Middle	4.692	4.48	0.212	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Nantahala School	73.855	68.06	5.795	Yes	No	No	No	No	Yes	5/14/2007	6/11/2007
Union Learning Center	5.989	2.37	3.619	Yes	Yes	Yes	Yes	Yes	Yes	5/21/2007	6/13/2007
Total in Miles	107.700	89.91	17.790								
Percentage Completion	83.48%	100%	0%	90.00%	77.78%	77.78%	77.78%	77.78%	88.89%		

Graham Co Schools	0.300	0	0.300	Yes	Yes	Yes	N/A	N/A	Yes	6/4/2007	7/16/2007
Graham Co High/Middle School	12.000	0	12.000	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	7/16/2007
TCCC Annex	0.319	0	0.319	Yes	Yes	Yes	N/A	N/A	Yes	6/4/2007	7/16/2007
Total in Miles	12.619	0	12.619								
Percentage Completion	0.00%	100%	0%	0.02%	0.02%	0.02%	100%	100%	100%		

Swain Co Schools	0.000	0	0.000	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co High	2.507	1.06	1.447	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co Middle	1.447	0	1.447	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co W. Elem	4.637	3.19	1.447	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co E. Elem	9.579	9.29	0.289	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Total in Miles	18.170	13.54	4.630								
Percentage Completion	74.52%	100%	0%	100%	100%	20.00%	100%	100%	100%		

Total Mileage Completed:	79.10%										
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WNC EdNET Progress Report 03/31/2007

School:	Total Mileage	Existing Fiber in Miles	New Const. in Miles	New Const. completed in Miles	New Const. % completed	Engineering Completed	NCDOT Permits Applied for	NCDOT Permits Approved	Pole Attachments Applied For	Pole Attachments Approved	Fiber Optic Cable Ordered & Delivered	Estimated Const. Start Date	Estimated Const. Completion Date
Cherokee Schools	0.672	0.63	0.042	0.042	95.0%	Yes	N/A	Yes	N/A	N/A	Yes	3/22/2007	Completed
Cherokee Elem	0.342	0.27	0.072	0.072	95.0%	Yes	Yes	No	N/A	N/A	Yes	3/22/2007	Completed
Cherokee Central Schools IT	0.095	0	0.095	0.095	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	3/22/2007	Completed
Cherokee HS	1.800	0.9	0.900	0.900	95.0%	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee Middle	0.905	0.9	0.005	0.005	95.0%	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee New School Complex*	4.232	2.83	1.402	1.402	70.0%	Yes	Yes	Yes	N/A	N/A	Yes		TBD by EBCI
Total in Miles	8.044	5.53	2.514	2.514									
Percentage Completion	90.44%	100%		77.70%	90.8%	100%	100%	80.00%	100%	100%	100%		

Cherokee Co NOC	0.095	0	0.095	0.038	40.0%	Yes	Yes	Yes	N/A	N/A	Yes	3/22/2007	4/12/2007
Andrews Elem	5.673	5.44	0.233	0.221	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	Completed
Andrews High	6.302	5.44	0.862	0.819	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	Completed
Andrews Mid	7.363	7.06	0.303	0.242	80.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Marble Elem	1.192	1.04	0.152	0.045	30.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	4/12/2007
Total in Miles	20.624	18.98	1.644	1.366									
Percentage Completion	92.03%	100%		83.1%	68.0%	100%	100%	0%	100%	20%	100%		

Jackson Co Schools	0.038	0	0.038	0.04	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	Completed
Fairview Elem	2.670	2.67	0.000	0.00	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	Completed
Scotts Creek Elem	3.243	0.17	3.073	3.07	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	Completed
Smokey Mtn Elem	13.113	12.84	0.273	0.27	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	Completed
Smokey Mtn High	2.670	2.67	0.000	0.00	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	Completed
School of Alternatives	1.117	0.17	0.947	0.57	60.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	3/30/2007
Cullowhee Valley School	10.159	9.97	0.189	0.00	0.0%	Yes	N/A	N/A	N/A	N/A	Yes	6/4/2007	6/14/2007
Blue Ridge School	10.254	9.97	0.284	0.00	0.0%	Yes	N/A	N/A	N/A	N/A	Yes	6/4/2007	6/14/2007
Total in Miles	43.264	38.46	4.804	3.95									
Percentage Completion	88.90%	100%		82.2%	66.9%	100%	100%	100%	100%	100%	100%		

Macon Co Schools	0.000	0	0	0.000	90.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
W. Macon Elem	2.721	2.38	0.341	0.000	0.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Cullasaja Elem	8.110	4.61	3.500	0.000	0.0%	No	No	No	No	No	No	TBD	TBD
E. Franklin Elem	3.495	3.23	0.265	0.000	0.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Franklin High	2.117	2.06	0.057	0.000	0.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Iotla Elem	6.720	2.72	4.000	0.000	0.0%	Yes	Yes	Yes	NO	NO	Yes	5/14/2007	6/11/2007
Macon Co Middle	4.692	4.48	0.212	0.000	0.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Nantahala School	73.855	68.06	5.795	0.000	0.0%	Yes	No	No	No	No	Yes	5/14/2007	6/11/2007
Union Learning Center	5.989	2.37	3.619	0.000	0.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/21/2007	6/13/2007
Total in Miles	107.700	89.91	17.790	0.000									
Percentage Completion	83.48%	100%		0.0%	10.0%	90.00%	77.78%	77.78%	77.78%	77.78%	88.89%		

Graham Co Schools	0.300	0	0.300	0.000	0.0%	Yes	Yes	Yes	N/A	N/A	Yes	6/4/2007	7/16/2007
Graham Co High/Middle School	12.000	0	12.000	0.000	0.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	7/16/2007
TCCC Annex	0.319	0	0.319	0.000	0.0%	Yes	Yes	Yes	N/A	N/A	Yes	6/4/2007	7/16/2007
Total in Miles	12.619	0	12.619	0.000									
Percentage Completion	0.00%	100%		0.0%	0.0%	0.02%	0.02%	0.02%	100%	100%	100%		

Swain Co Schools	0.000	0	0.000	0.000	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	Completed
Swain Co High	2.507	1.06	1.447	0.145	10.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co Middle	1.447	0	1.447	1.375	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	Completed
Swain Co W. Elem	4.637	3.19	1.447	0.000	0.0%	Yes	Yes	NO	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co E. Elem	9.579	9.29	0.289	0.000	0.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Total in Miles	18.170	13.54	4.630	1.519									
Percentage Completion	74.52%	100%		32.8%	40.0%	100%	100%	20.00%	100%	100%	100%		

Total Mileage Completed:	83.53%	100.00%		45.97%	45.95%								
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Notes:
95% means all construction is complete only splicing remains.

WNC EdNET Progress Update 8-13-07

School:	Total Mileage	Existing Fiber in Miles	New Construction in Miles	New Construction completed in Miles	New Construction % completed	Engineering Completed	NCDOT Permits Applied for	NCDOT Permits Approved	Pole Attachments Applied For	Pole Attachments Approved	Fiber Optic Cable Ordered & Delivered	Estimated Construction Start Date	Original Estimated Construction Completion Date
Cherokee Schools	0.672	0.63	0.042	0.042	95.0%	Yes	N/A	Yes	N/A	N/A	Yes	3/22/2007	TBD by EBCI
Cherokee Elem	0.342	0.27	0.072	0.072	95.0%	Yes	N/A	N/A	N/A	N/A	Yes	3/22/2007	TBD by EBCI
Cherokee Central Schools IT	0.095	0	0.095	0.095	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	3/22/2007	Completed
Cherokee HS	1.800	0.9	0.900	0.900	95.0%	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee Middle	0.905	0.9	0.005	0.005	95.0%	Yes	Yes	Yes	N/A	N/A	Yes		Completed
Cherokee New School Complex*	4.232	2.83	1.402	1.402	70.0%	Yes	Yes	Yes	N/A	N/A	Yes		TBD by EBCI
Total in Miles	8.044	5.53	2.514	2.514									
Percentage Completion	90.44%	100%		77.70%	90.8%	100%	100%	100.00%	100%	100%	100%		

Cherokee Co NOC	0.095	0	0.095	0.090	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	3/22/2007	5/4/2007
Andrews Elem	5.673	5.44	0.233	0.221	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	5/4/2007
Andrews High	6.302	5.44	0.862	0.819	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	5/4/2007
Andrews Mid	7.363	7.06	0.303	0.288	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	5/4/2007
Marble Elem	1.192	1.04	0.152	0.144	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/22/2007	5/4/2007
Total in Miles	20.624	18.98	1.644	1.562									
Percentage Completion	100.00%	100%		95.0%	95.0%	100%	100%	100%	100%	100%	100%		

The Learning Center, Murphy	8.75	8.6	0.15	0.208	95.0	Yes	N/A	N/A	N/A	N/A	Yes	7/16/2007	7/20/2007
Total in Miles	8.75	8.6	0.15										
Percentage Completion	100.00%	100.00%	0.15										

Graham County Schools	0.113	0	0.113	0.096	85.0%	Yes	Yes	Yes	N/A	N/A	Yes	7/16/2007	8/16/2007
Robbinsville High School	12.000	0	12.000	0.356	85.0%	Yes	Yes	Yes	Yes	Yes	Yes	7/17/2007	8/16/2007
Robbinsville	0.456	0	0.456	0.0	85.0%	Yes	N/A	N/A	N/A	N/A	Yes	7/18/2007	8/16/2007

Elementary													
Youth Development Center	0.319	0	0.319	0.271	85.0%	Yes	Yes	Yes	N/A	N/A	Yes	7/19/2007	8/16/2007
Total in Miles	12.888	0	12.888	0.723									
Percentage Completion	0.00%	100%		4.9%	85.0%	100.00%	100.00%	100.00%	100%	100%	50%		

Jackson Co Schools	0.038	0	0.038	0.04	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	5/27/2007
Fairview Elem	3.690	2.67	1.020	0.00		Yes	Yes	Yes	Yes	Yes	Yes	3/14/2007	7/30/2007
Scotts Creek Elem	3.243	0.17	3.073	3.07	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	5/27/2007
Smokey Mtn Elem	13.113	12.84	0.273	0.27	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	5/27/2007
Smokey Mtn High	2.670	2.67	0.000	0.00	95.0%	Yes	Yes	Yes	Yes	Yes	Yes		
School of Alternatives	1.117	0.17	0.947	0.90	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	3/5/2007	5/27/2007
Cullowhee Valley School	10.159	9.97	0.189	0.00	0.0%	Yes	No	No	No	No	Yes	10/10/2007	10/15/2007
Blue Ridge School	10.254	9.97	0.284	0.00	0.0%	Yes	No	No	No	No	Yes	10/15/2007	10/20/2007
Total in Miles	44.284	38.46	5.824	4.28									
Percentage Completion	86.85%	100%		73.5%	59.4%	100%	100%	100%	100%	100%	100%		

Macon Co Schools	0.007	0	0.007	0.007	95.0%	Yes	N/A	N/A	N/A	N/A	Yes	6/21/2007	6/21/2007
W. Macon Elem	2.721	2.38	0.341	0.324	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Cullasaja Elem	8.110	4.61	3.500	0.000	0.0%	No	No	No	No	No	No	TBD	TBD
E. Franklin Elem	3.495	3.23	0.265	0.252	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Franklin High	2.117	2.06	0.057	0.054	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Iotla Elem	6.720	2.72	4.000	0.000	0.0%	Yes	No	No	No	No	No	TBD	TBD
Macon Co Middle	4.692	4.48	0.212	0.202	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
Nantahala School	73.855	68.06	5.795	2.898	50.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/14/2007	6/11/2007
The Learning Connector			3.000	3.000	95.0%	Yes	Yes	Yes	N/A	N/A	Yes	6/18/2007	7/10/2007
Union Learning Center	5.989	2.37	3.619	3.438	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	5/21/2007	6/13/2007
Total in Miles	107.707	89.91	20.797	10.174									
Percentage Completion	83.48%	100%		48.9%	79.4%	90.00%	80.00%	80.00%	80.00%	80.00%	80.00%		

Swain Co Schools	0.000	0	0.000	0.000	100.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co High	2.507	1.06	1.447	1.447	100.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co Middle	1.447	0	1.447	1.447	100.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Swain Co W. Elem	4.637	3.19	1.447	1.375	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	7/9/2007	7/27/2007
Swain Co E. Elem	9.579	9.29	0.289	0.289	100.0%	Yes	Yes	Yes	N/A	N/A	Yes	4/16/2007	5/11/2007
Total in Miles	18.170	13.54	4.630	4.557									
Percentage Completion	74.52%	100%		98.4%	99.00%	100%	100%	100.00%	100%	100%	100%		

Mountain Discovery, Bryson	1.02	0.02	1.00	1.00	95.0%	Yes	Yes	Yes	Yes	Yes	Yes	7/6/2007	7/11/2007
Total in Miles	1.02	0.02	1.00	1.00	95.0%							7/6/2007	7/11/2007
Percentage Completion	100.00%	100%		100.0%	100.0%	100%	100%	100.00%	100%	100%	100%		

Total Mileage Completed:	90.23%	100.00%			87%								
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Notes:

Under "New Construction % Completed" a 95% means all construction is complete only splicing remains.

Cherokee Schools Awaiting damaged section to be replaced by SPU
Cherokee Co. Awaiting schedule from Cherokee IT Dept for cut over.
Jackson Co. Fairview Elementary awaiting Jackson Co. Decision
Cullowhee Valley and Blue Ridge Schools est. completion in October
Macon Co. Cullasaja Power Co. building new pole line Expected start of EDNET construction after approval would begin in the early part of 2008
Iotla engineering complete, permits submitted awaiting approval from Macon Co. Expected start of EDNET construction in November
Nantahala permits verbally approved, awaiting signature from Duke Lake Management. Expected completion in October
Graham Co. Fiber can be terminated inside.

Appendix C
Related Volunteer Contributions

Appendix C

Related Volunteer Contributions

Significant contributions have been committed to support this project to include:

- Leonard Winchester has donated contract negotiation services and will help with the equipment procurement process.
- Andy Gibson has donated fiber-splicing services needed for connecting the respective sites to the fiber transport infrastructure.
- Jim Campbell has donated his services for SONET box installation and training.
- The Technology Coordinators will maintain the connections from the central office core switch to the respective field sites.
- The Carlton family has donated the fiber link to Cashiers.
- The Southwestern Community College has assisted with providing some fiber for the ring.