VI. Technical Soundness

South Carolina State University - Lead Institution
Technical Representative: Dr. Donald K. Walter

- SMET department connectivity/speed:
  - South Carolina State University Campus / T1 Line
  - Biology / Fiber backbone
  - Engineering Technology / Fiber backbone
  - Math Department / Fiber backbone
  - Computer Science / Fiber backbone
  - Physical Sciences / Fiber backbone
  - 16-line dial-in server

- Number of SMET faculty with general access: SMET: 58 / Non-SMET: 282
- Number of SMET Admin/Staff with general access: SMET: 15 / Non-SMET: 830
- Number of SMET Students with general access: SMET: 1300 / Non-SMET: 3495
- Network services/platforms:
  - DEC VAX Cluster: 2 Alpha Servers, 1 Model 4000, 2 Model 6310
  - Sun IPC, SUN SPARC 5, 20, 1000 and UltraSPARC I, II, and 5
  - X Terminals
  - Small Platforms: PCs, Macs

- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), NT, Novell and AppleTalk LANS

- WWW Homepage established / Outline of information and links:
  - NRTS at www.cnrt.scsu.edu with links to MUSPIN, NASA & Partners (1700 hits/month)
  - Planetarium & NASA ERC Server & Homepage, www.draco.scsu.edu with links to MU-SPIN, NASA, Planetariums, etc. (3243 hits/month)
  - University Homepage at www.scsu.edu with links to CNRT/NRTS
  - School of Engineering Technology and Sciences at www.sets.scsu.edu with links to CNRT/NRTS

- Network Diagrams: See attached.
**Allen University**

- SMET department connectivity/speed: 56/64 KBPS (partial fiber backbone)
- Number of SMET faculty with general access: All faculty: 36
- Number of SMET Admin/Staff with general access: All admin/staff: 38
- Number of SMET Students with general access: All students: 375
- Network services/platforms: Small Platforms: PCs, Macs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer); Peer-to-Peer LAN
- WWW Homepage established / Outline of information and links: [www.cnrt.scsu.edu/partners/allen/](http://www.cnrt.scsu.edu/partners/allen/)
- Network Diagrams: See attached

**Benedict College**

- SMET department connectivity/speed: T1 Line (campus fiber backbone)
- Number of SMET faculty with general access: All faculty: 250
- Number of SMET Admin/Staff with general access: All admin/staff: 100
- Number of SMET Students with general access: All students: 2700
- Network services/platforms: DEC Alpha; Small Platforms: PCs (NT, 95, & 98), Macs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), 4 Standalone PC LANS (NT, Novell)
- WWW Homepage established / Outline of information and links: [www.cnrt.scsu.edu/partners/benedict/](http://www.cnrt.scsu.edu/partners/benedict/)
- Network Diagrams: See attached.
Bowman Middle/High School

- SMET department connectivity/speed: 64 KBPS (partial fiber backbone).
- Number of SMET faculty with general access: All faculty: 40

- Number of SMET Admin/Staff with general access: All admin/staff: 6
- Number of SMET Students with general access: All students: 480
- Network services/platforms: PCs (NT&95)
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer)
- WWW Homepage established / Outline of information and links: www.cnrt.scsu.edu/partners/bowman/
- Network Diagrams: See attached

Claflin College

- SMET department connectivity/speed: T1 Line (campus fiber backbone)
- Number of SMET faculty with general access: All faculty: 65
- Number of SMET Admin/Staff with general access: All Admin/staff: 70
- Number of SMET Students with general access: SMET: 320 / Non-SMET: 1250
- Network services/platforms: VAX Cluster; SUN Workstation; Small Platforms: PCs, Macs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), Novell A and DecNet LAN
- WWW Homepage established / Outline of information and links: www.cnrt.scsu.edu/partners/claflin/
- Network Diagrams: See attached
**Edward Waters College**

- SMET department connectivity/speed: 128 KBPS (fiber/coaxial backbone)
- Number of SMET faculty with general access: SMET: 10 / Non-SMET: 35
- Number of SMET Admin/Staff with general access: 20
- Number of SMET Students with general access: All students: 781
- Network services/platforms: DEC Alpha; PC UNIX (Linux); IBM/AS400, Small Platforms: PCs, 2 wireless LANs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), 2 NT LANS
- WWW Homepage established / Outline of information and links: [www.cnrt.scsu.edu/partners/ewc/](http://www.cnrt.scsu.edu/partners/ewc/)
- Network Diagrams: See attached

**Florida International University**

- SMET department connectivity/speed: T1+T3+ATM/10 Mbs
- Number of SMET faculty with general access: SMET: 317 / Non-SMET: 907
- Number of SMET Admin/Staff with general access: All admin/staff: 200+
- Number of SMET Students with general access: SMET: 7,312 / Non-SMET: 23,862
- Network services/platforms: Numerous X Terminals, SUN, DEC, SGI Servers and Workstations; Small Platforms: PCs, Macs
- Number of Users Access Services: Full Services (E-Mail, Telnet, FTP, Gopher, Netscape, MS Explorer); Internet2
- WWW Homepage established / Outline of information and links: [www.muspin.hcet.edu](http://www.muspin.hcet.edu) with numerous links to MU-SPIN, NASA and CNRT/NRTS; FIU: [www.fiu.edu](http://www.fiu.edu); FIU Internet2: [www.internet2.edu](http://www.internet2.edu)
- Network Diagrams: See attached
Howard Middle School

- SMET department connectivity/speed: T1 line
- Number of SMET faculty with general access: All faculty: 47
- Number of SMET Admin/Staff with general access: All admin/staff: 37
- Number of SMET Students with general access: All students: 671
- Network services/platforms: Small Platforms: PCs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), Novell LAN; Plus Voice Mail
- WWW Homepage established / Outline of information and links: www.cnrt.scsu.edu/partners/howard/
- Network Diagrams: See attached

Morris College

- SMET Department Connectivity/Speed: T1 Line
- Number of SMET faculty with general access: SMET: 12 / All faculty: 66
- Number of SMET Admin/Staff with general access: SMET: 2 / All Admin/Staff: 132
- Number of SMET students with general access: SMET: 159 / All students: 907
- Network Service(s)/Platform Used: DEC Alpha NT Server, DEC VAX, Small Platforms: PCs and Macs running Windows 95, 98, NT
- Number of Users Access Services: E-mail; Telnet; FTP; WWW Browsers (Netscape, MS Explorer); Novell LAN
- WWW Homepage Established/Outline of Information and Links: www.cnrt.scsu.edu/partners/morris/
- Network Diagrams: See attached
Morris Brown College

- SMET Departments Connected/Type of Connectivity/Speed: T1 + Dial-up Server with 12 phone lines for remote access.
- Number of faculty with general access: SMET: 60 / Non-SMET: 85
- Number of Administrators/Staff with access: SMET: 18 / Non-SMET: 50
- Number of students with general access: SMET: 890 / Non-SMET: 2200
- Network Service(s) platforms: Sun Micro system web server w/Solaris 2.5, SGI Indy w/Iris 6.2, 25-station laboratories w/Pentium processor PCs w/Windows 95, Sun Micro System Ultra, Windows NT Server, Linux Station
- Number of Users Access Services: Full Services: Electronic Mail (Netscape, Pine, Eudora), Telnet, FTP, News Feed, Netscape as main browser, or MS Internet Explorer by choice, Voice Mail by individual purchase
- WWW Homepage Established / Outline of Information and Links: [www.morrisbrown.edu](http://www.morrisbrown.edu) with links to [www.smet.morrisbrown.edu](http://www.smet.morrisbrown.edu) to CNRT @ SCSU, MU-SPIN and NASA, [www.hbcu.morrisbrown.edu](http://www.hbcu.morrisbrown.edu), [www.chem.morrisbrown.edu](http://www.chem.morrisbrown.edu)
- Network Diagrams: See attached

Orangeburg-Wilkinson High School

- SMET department connectivity/speed: T1 Line
- Number of SMET faculty with general access: SMET: 35 / Non-SMET: 63
- Number of SMET Admin/Staff with general access: All admin/staff: 24
- Number of SMET Students with general access: All students: 1,890
- Network services/platforms: Small Platforms: PCs
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer), NT LAN Server
- WWW Homepage Established: [www.cnrt.scsu.edu/partners/ow](http://www.cnrt.scsu.edu/partners/ow)
- Network Diagrams: See attached
Voorhees College

- SMET department connectivity/speed: T1 + 8-line Dial-in Line
- Number of SMET faculty with general access: SMET: 8 / Non-SMET: 30
- Number of SMET Admin/Staff with general access: SMET: 4 / Non-SMET: 159
- Number of SMET Students with general access: SMET: 85 / Non-SMET: 980
- Network services/platforms: SUN Enterprise Server, SUN Work Station, SGI Work Station, Novell Servers, NT Servers; Small Platforms: PCs Macs, PC UNIX (Linux)
- Number of Users Access Services: E-mail, Telnet, FTP, WWW Browsers (Netscape, MS Explorer); Campus Networks: TCP/IP, NT, Novell, AppleTalk LANs
- WWW Homepage established / Outline of information and links: www.cnrt.scsu.edu/partners/voorhees/
- Network Diagrams: See attached