



MOVING AT THE SPEED OF LIGHT

2012 ANNUAL REPORT

LEARN
LONESTAR EDUCATION AND RESEARCH NETWORK

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Texas Tech University
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 University of Texas Health Science Center at Tyler
 University of Texas Health Science Center at Houston
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 University of Texas MD Anderson Cancer Center
 University of Texas Medical Branch
 University of Texas Southwestern Medical Center
 University of Texas System





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University of Texas System*

Executive Director:

*Mike Phillips
LEARN*



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Northeast Texas
Consortium (NETnet)*

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Marg Knox
University of Texas System

On behalf of my colleagues on the LEARN Board of Directors, it is my honor to present the 2012 edition of the LEARN Annual Report. During the past year, we made substantial progress in a number of critical areas. In our report you will have the opportunity to read about the exciting ways our members are leveraging the Lonestar Education and Research Network in support of higher education, K-12 education, research, patient care and our public service missions. The report highlights important member initiatives in “big data” science and analysis, supercomputing, collaboration through video conferencing, access to reliable high capacity connectivity, business development, particle physics research using super colliders, digital biological collections, the national archive for WWII WASP pilots, network research, and enabling Texas high school students to virtually tour college campuses.

LEARN is comprised of 38 members including members from public and private institutions of higher education, community colleges, K-12 and the National Weather Service. Because of collaborations and partnerships that LEARN and our members have forged with

state government and the private sector, we provide over 3,000 miles of optical network capacity throughout Texas. By connecting over 810,000 higher education students and over 970,000 K-12 students to the LEARN network, we enable our students to have access to educational resources and experiences from around the world. A large and diverse number of organizations are participating in our community with over 500 organizations now connected to the network.

LEARN is part of the national community of regional optical networks throughout the United States. We provide Texas with connectivity to national research and education networks such as Internet2 and National LambdaRail. In turn, the national networks connect us internationally with fellow scientists, scholars, educators, doctors, and students throughout the world. Collectively, we provide the foundation for communicating and collaborating across Texas, regionally, nationally and internationally. Within Texas, our LEARN community has built a sense of trust and strong relationships that enable us to cooperatively achieve success across diverse institutions and other constituencies. This collegial environment is a critical intangible asset of the LEARN community. I want to thank my colleagues on the Board and the LEARN staff for their hard work, their enthusiasm, and their innovation.

Please enjoy our 2012 Annual Report, it was a great year. Our historical success provides the foundation that LEARN will build on to deliver an exciting and successful 2013. Networking today is a fundamental enabler of science, technology, humanities, arts, engineering, medicine, and education. High performance networking connects people with data, it connects people with computing, it connects people with devices, but most importantly it connects people with people.

Letter From The Executive Director

Our Annual Report provides LEARN with an opportunity to showcase the important role our dynamic collaboration plays in educating, providing healthcare to Texans, accelerating scientific discovery through cutting edge research, and fostering economic development for Texas. Our collaboration is very diverse and includes over 500 organizations, within our great state, who are now connected to LEARN's network. Additionally, the network provides a world of opportunity to Texans by connecting our students, faculty, researchers and healthcare professionals with colleagues throughout the world. Built on public and private sector partnerships, the network is the conduit that ensures that Texas continues to play a leadership role in the interconnected world we live in.

During the year, we created significant new relationships with the National Science Foundation, Internet2, and other regional research and education networks to support the education, research, healthcare and public service missions of LEARN and our members. The demand, within our membership, for valuable services enabled by the network continues to grow each year. As we continue to grow, it provides our Board of Directors with the opportunity to make investments in priorities that enhance our value to our members. As a part of this investment strategy, for the past two years, the Board has reduced the rates that members pay for network services. Additionally, during the past year, the Board refined our strategy to extend the value of LEARN to more organizations affiliated with our members.

As reflected on the cover of our Annual Report, our high performance network is the foundation for collaboration and innovation that allows colleagues throughout the world to connect with one another at the speed of light. We believe this graphic is also reflective of the accelerating speed of change in technology, scientific discovery, and education. Therefore, while we have a rich history of success, this ever changing environment requires that our community remain fully engaged in helping shape these changes and our strategies to achieve our mission and goals. Therefore, to remain vital and relevant, it is essential that the LEARN community continues to remain nimble and opportunistic with our focus clearly on the future.

We believe our Annual Report clearly demonstrates the vital roles that LEARN and our members play for Texans. While the network plays a strategically important role, we feel the activities and accomplishments that are enabled by the network are far more important. Therefore, much of our Annual Report is devoted to highlighting the activities and accomplishments of our members. We hope the areas that we have featured in this report provides you with some insight into the important contributions our community is making in education, research, healthcare and public service. We appreciate your interest in LEARN and we look forward to working with you on behalf of Texas.



Mike Phillips
LEARN

The Lonestar Education And Research Network (LEARN) is a consortium of 38 organizations throughout Texas that includes public and private institutions of higher education, community colleges, the National Weather Service, and K-12 public schools. The consortium, organized as a 501(c)(3), connects these organizations, and over 500 affiliated organizations, together with high performance optical network services to support their research, education, healthcare and public service missions. LEARN is also a part of a national community of research optical networks, and provides Texas connectivity to the national and international research and education networks.

Creating LEARN

In 2003, a series of meetings were held to forge a shared vision concerning the value of creating a unifying high performance optical network for higher education in Texas. Despite the significant challenges that lay ahead, a consensus soon emerged among higher education leaders that it was strategically important to create an organization dedicated to high performance networking in Texas.

In the summer of 2003, the Texas Legislature endorsed the concept of providing the initial investment of \$7.5 million dollars to construct the proposed optical network for Texas. The legislature also endorsed the concept of funding a \$2.5 million proposal to develop a grid computing collaborative among the five universities in the Texas Internet Grid for Research and Education (TIGRE). While both projects were authorized by the Legislature, the grants were to be awarded under the auspices of the Texas Enterprises Fund (TEF), if authorized by the Governor, Lieutenant Governor and the Speaker of the House.

In the fall of 2003, it was decided to use the Texas GigaPoP as the 501(c)(3) structure for the new statewide organization that later became LEARN. In January 2004, the officers of the new organization were installed at a Board meeting on the Southern Methodist University campus in Dallas. The new organization was officially named “LEARN: Lonestar Education And Research Network”. Therefore, at that meeting, LEARN was created with a 30 member Board of Directors.



LEARN's network topology

LEARN's Vision

To be the premier organization providing advanced network services for research, education, healthcare and economic development throughout Texas. LEARN will be a national model for organizations that serve institutions of higher education. We will provide leadership in creating global networking initiatives.

During 2004, LEARN worked with the offices of the Governor, Lieutenant Governor, Speaker of the House and the Department of Information Resources (DIR) as they studied the merit of authorizing a TEF grant for the optical network project. In the fall of 2004, the elected leadership offices announced that the State of Texas would support funding a TEF grant. The TEF grant provided the initial capital funds to acquire dark fiber and equipment or leased wavelengths for a “triangle” backbone



connecting, Dallas, College Station, Houston, San Antonio and Austin with additional connections to El Paso, Lubbock, Denton, Tyler/Longview, Beaumont, Galveston and Corpus Christi.

On February 28, 2005, the Governor signed the TEF grant agreement to provide \$7.28 million in funding for the optical network project. LEARN now had the organizational, political and financial means to begin deploying the optical network for Texas.

Organization & Governance

LEARN's Board of Directors governs the overall affairs of the corporation. Committees of the Board have been formed to oversee specific areas of LEARN. The standing committees of the Board include: Finance, Governance and Participation, and Operations and Services. Additionally, an Audit Committee consisting of three elected Board members and an independent advisor monitors the activities of the annual independent audit. The Board also creates ad hoc committees of the Board, as necessary.

Within the authority delegated by the Board, the Executive Committee develops the Board agendas and governs the affairs of LEARN, between meetings of the Board. The Executive Committee is comprised of the elected officers of the corporation and the Chairs of the three standing committees. The elected officers of LEARN include: the Executive Director, Chair, Chair Elect, Past Chair, Treasurer and Secretary. Other than the Executive Director, the officers are elected from the members of the Board of Directors.

The day-to-day business of LEARN is managed by the Executive Director of the corporation, who is elected by the Board and serves at their pleasure. The Executive Director employees and supervises a professional technical and administrative staff to conduct and manage operations.

The Technical Advisory Group (TAG) is comprised of representatives, with extensive technical expertise, from our member institutions. TAG members are appointed by the LEARN Board member from the institution they represent. The TAG Chair is elected by the TAG members. TAG is an advisory body to the Board, Executive Director and LEARN's Chief Technologist. TAG serves an important role in helping shape LEARN's infrastructure, operations and portfolio of services.

Network Infrastructure

In collaboration with the public and private sector, LEARN's network spans over 3,000 miles across Texas. LEARN is built on dense wavelength division multiplexing (DWDM) optical technology. This technology provides the



*Akbar Kara
LEARN, Chief Technologist*



*David Nichols
Chair, Technical Advisory Group
(TAG)*



capability to transport multiple high capacity signals over a shared optical fiber by using the different color wavelengths of laser light. DWDM is a state-of-the-art technology that is very scalable and permits LEARN to leverage the initial investment by adding additional capacity at marginal costs.

LEARN is built on agreements with the private sector that provide the long-term use of optical dark fibers and/or long term leases of optical wavelength capacity. When dark fiber is conveyed via an indefeasible right to use (IRU) agreement, LEARN provides the infrastructure to “light” the fiber and can add additional capacity, as needed. In wavelength capacity agreements, the service provider provides the infrastructure and bandwidth under the terms and conditions of the agreement.

Membership & Network Services

Each of the member institutions of LEARN pays \$22,000 per year in dues, which funds the general administration of LEARN. Members are entitled to appoint an individual to the Board of Directors and to acquire network services from LEARN at member rates. Network services are enabled based on the needs of individual members and collaborations among our members. Unlike the membership dues, network services are funded by the members who consume the services. Network service rates are set at levels to enable and sustain current and future network requirements. Network services include:

- Layer 1 Transport Services Between LEARN Points-of-Presence (POP),
- Switched Layer 2 Services,
- Routed Layer 3 Services,
- Connection Gateways to the National LambdaRail and Internet2 National Research and Education Networks,
- Colocation Services at LEARN Facilities,
- Commodity Internet Services, and
- Peering Services.

LEARN has received a Service Provider Identification Number (SPIN) with the Universal Service Administration Company. Acquiring a SPIN number permits our school, library, and rural health customers to receive significant discounts through the Universal Services Fund.

The Board and the staff are committed to ensuring LEARN remains a customer focused organization. Enhancing our portfolio of services is a cornerstone of the strategic priorities, which are guiding our current initiatives. There is a broad consensus among our members that continuing to expand the scope of services, which are available from LEARN, creates operational efficiencies, provides additional options for customers, supports collaboration, and enhances the overall value of LEARN.



LEARN has over 30 network points-of-presence strategically located throughout Texas.

During the past year, LEARN has continued to build partnerships to enhance the strategic value of LEARN to Texas. LEARN is a very diverse and talented consortium with a history of success, but a focus on the future. Highlights from the past year include:

Collaborations Bring Blue Gene Supercomputer to Texas



Rice University, IBM and the University of Sao Paulo collaborate to support research internationally.

Rice University, in collaboration with IBM, deployed a Blue Gene supercomputer in Texas to stimulate scientific discovery and research. The addition of Blue Gene doubles the number of supercomputing CPU hours available at Rice. The six-rack system contains nearly 25,000 core processors and is capable of conducting almost 84 trillion mathematical computations per second. This supercomputing resource will be used by Rice faculty, researchers, and students to conduct their own research and collaborate with academic and industry partners in energy research, geophysics, basic life sciences, cancer research and personalized medicine.

The availability of Blue Gene has enabled Rice to develop an important international collaboration with the University of Sao Paulo (USP) in Brazil that allows both institutions to share the benefits of this computing resource. USP is Brazil's largest institution of higher education. USP's collaboration with Rice expands the international reach of both institutions and reflects the global nature of critical research projects.

Baylor Research & Innovation Collaborative (BRIC)

The Baylor Research and Innovation Collaborative (BRIC) is the flagship project for the Central Texas Technology and Research Park, an initiative organized by governmental organizations and higher educational institutions in Central Texas to develop, promote and market science and engineering technologies, university research, advanced technology training and workforce development. The BRIC facility was constructed in the former General Tire manufacturing facility. While the BRIC retains the iconic look and feel of the original General Tire complex, the 340,000 square foot building is a state of the art facility and was designed to meet the needs of cutting edge research, industry collaboration and incubation, and work force development.



Baylor's BRIC provides a synergistic environment for research, business incubation, workforce development and partnerships with industry.



In addition to housing traditional research labs and facilities, the BRIC also includes an Innovative Business Accelerator program that is managed by Baylor’s Hankamer School of Business. The Innovative Business Accelerator program provides business development and marketing plans to assist startup companies in the central Texas region. The BRIC includes symposium space for hosting important national and international meetings. Texas State Technical College has 40,000 square feet of space in the BRIC to provide workforce training programs. Additionally, 50,000 square feet has been programmed for industry partners to become part of the collaboration. This innovative approach to housing research and development, business incubation, workforce development, and industry in a single facility provides a unique synergistic environment for the BRIC and the Central Texas Technology and Research Park.

Houston Community College Helps Qatar Students Graduate

Qatar is internationally recognized for developing successful collaborations with universities to provide higher education to its citizens. However, historically these higher education opportunities were not available to all Qataris. When Qatar wanted to add a community college to their educational system they approached Houston Community College (HCC). HCC was chosen, because it is one of the most active community colleges internationally. HCC has helped institutions in Vietnam, Brazil and Saudi Arabia with their efforts to become accredited.

With the support of HCC, the Community College of Qatar (CCQ) opened in 2010 and offers Associate Degrees in Arts, Science, and Applied Science. Through curriculum provided by HCC faculty and staff, many Qataris are able to be the first in their family to go to college, since CCQ offers night classes, which enables them to continue to work full time. Between 2011 and 2012 the number of students entering CCQ increased from 300 to 800 students. Currently 1,500 students are now enrolled at CCQ of whom 60 percent are women and 40 percent are men. On May 15, 2012 the first graduating class received their degrees from CCQ. Many of those graduates are continuing their education at universities in Qatar and the United States. With the growing enrollment and the success of CCQ, the graduating class for 2013 is expected to be 80 students.



HCC helped make the first graduation day at the Community College of Qatar possible.

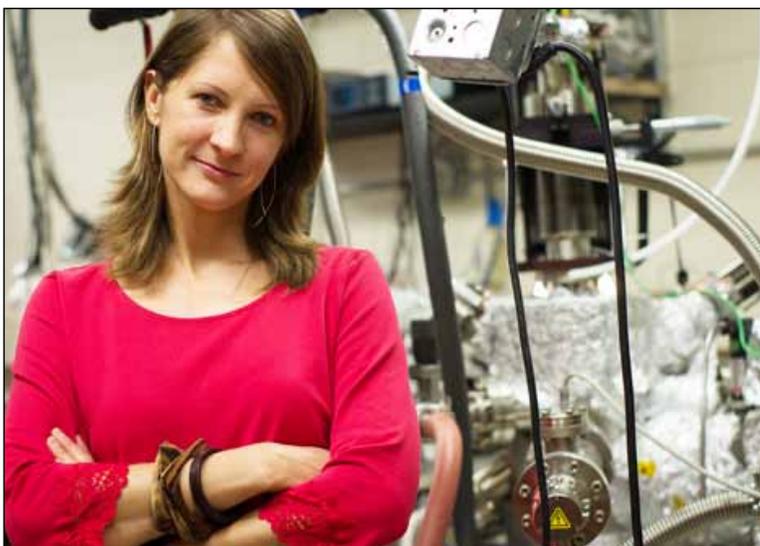
HCC is one of the largest community colleges in the United States and has a large and diverse number of foreign students. Therefore, HCC’s international activities are an integral part of its vision and goals. Additionally, its relationship with Qatar serves as an entrepreneurial business activity that provides revenue beyond its costs for sharing its expertise. Therefore, this international partnership is also helping support HCC’s programs here in Texas.



Smallest Semiconductor Laser Created by UT Scientists

Leveraging high performance research and education networks, including LEARN, physicists at the University of Texas at Austin, in collaboration with colleagues in Taiwan and China, have developed the world's smallest

semiconductor laser. The miniaturization of semiconductor lasers is essential to developing photonic technologies that are needed by highly sensitive biosensors that are used to treat and study disease, ultrafast computer chips, and new communications technologies.



Physics graduate student Charlotte Sanders' research helped develop the world's smallest semiconductor laser.

Nano lasers generate optical signals that transmit information and could replace electronic circuits. Electronic devices that pass data between multiple chips produce unwanted heat, which results in the loss of data. However, photonic devices do not scatter and lose waves of electrons that are used to move large amounts of data. Therefore, this research will have a profound impact on fulfilling the promise of nanotechnologies used in a variety of applications.

UT Students Win "Student Cluster Challenge" at SC

The Supercomputing Conference (SC) is the most prestigious international conference on high performance computing in the world. For the past seven years, the SC conference has conducted a global Student Cluster Challenge (SCC) for student teams. At SC12 in Salt Lake City, a team from the University of Texas at Austin won the competition.

The SCC competition challenges include teams of university undergraduates who participate in a 72 hour battle to prove that they can design, build, optimize and run the fastest and most efficient high performance cluster computing system. This non-stop competition requires that teams of six students assemble their clusters on the exhibit floor and they must demonstrate that their cluster provides the greatest sustained performance across a series of applications and scientific workloads. The competition includes real life constraints such as limiting the power available to run the clusters.

The UT student team was mentored by staff from the Texas Advanced Computing Center who worked side by side with the students to teach them the fundamentals of cluster construction, systems administration, and system optimization. The teams also work



Team leader Andrew Wiley showcases the winning plaque.



with private company sponsors to design the clusters. This year's competition included teams from the United States, Europe, Canada, China, Costa Rica, Germany, Russia and Taiwan.

Texas State University System Leverages LEARN

Authorized by the Texas Legislature in 1899, Texas State University opened its doors in 1903. From humble beginnings as a teacher's college set on 11 acres of Texas hill country along the San Marcos River, Texas State University has grown to become one of the largest universities in the State of Texas, sprawling 457 acres in San Marcos with an additional satellite campus in Round Rock that is home to a growing Health Professions program, including the newly constructed School of Nursing.



LEARN enables Texas State University students to connected to resources and peers around the world.

One of the challenges in providing information technologies on a campus with both historical longevity and explosive growth is maintaining a reliable communications infrastructure. Today's students rely on access to digital information not only for their studies, but also for entertainment and keeping connected with family and friends. As Texas State University has modernized and improved its communication network infrastructure, LEARN has been a key resource and partner.

LEARN has helped Texas State University to provide more reliable access to commodity Internet and research networks, as well as, better disaster tolerance for inter-campus communications. Texas State's San Marcos campus currently connects to LEARN's statewide FrameNet transport network in San Antonio with the Round Rock campus connecting to LEARN in Dallas. This provides geographically diverse redundant links that help ensure connectivity even in the event of a fiber cut or other disaster. During normal operations, Texas State can route traffic across both links, improving network

performance. The LEARN FrameNet network also serves as a backup transport path between Texas State's two campuses should the metro-ethernet link between San Marcos and Round Rock ever experience an outage.

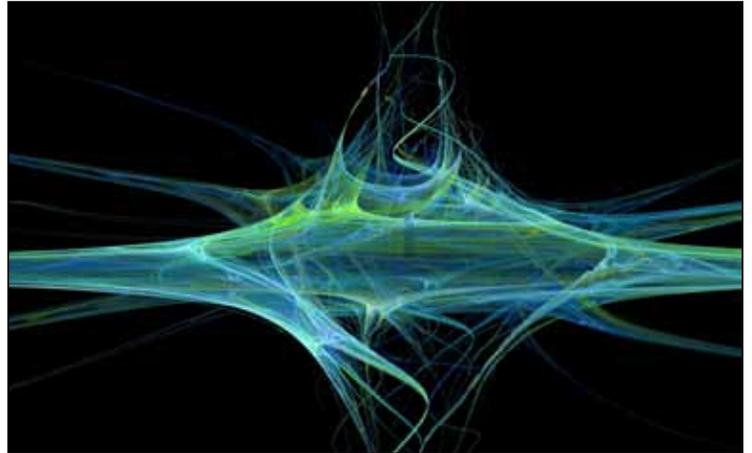
Recently, Texas State sought to improve geographic diversity for commodity Internet providers. LEARN was able to provide a solution. As a member of the LEARN DFW collaboration, Texas State obtains commodity Internet through LEARN in Dallas. LEARN was able to begin providing commodity services from another ISP, TeliaSonera,



out of its Houston facility. This provides Texas State with the regional diversity it needs to guarantee availability of network services to its students, faculty and staff.

SMU Physicists Play an Important Role in the ATLAS Project

As part of the ATLAS Experiment, the SMU High Energy Particle Physics group participated in the discovery of the Higgs boson at CERN’s Large Hadron Collider in Geneva, Switzerland. The existence of the Higgs boson was proposed in 1964 to explain why fundamental particles have mass and has been the only missing piece of the Standard Model, the theoretical description of unified electromagnetic and weak interactions. After decades of research, the search for the Higgs culminated with the announcement of its observation on July 4, 2012.



The Higgs boson plays a pivotal role in our understanding of particle physics.

The ATLAS Experiment is the center of a collaboration of about 3,000 scientists from 174 institutions and 38 countries. Huge amounts of data are collected daily for analysis at the home institutions. The work performed at SMU was made possible, because of an excellent High Performance Computing Center that allowed the team to download, as much as, 250TB of data to 2,000 cores and to perform the necessary simulations of backgrounds. From 2010 to 2012, the ATLAS Collaboration has published about 225 papers in scientific journals and submitted about 450 conference papers. The exploration of physics at the Large Hadron Collider has just begun, and the preparations for data collection at even higher collision energies and about 10-fold increase of the data sample are already under way.

Planning the Next Particle Super Collider

The University of Texas at Arlington hosted hundreds of particle physicists from around the world for the International Workshop on Future Linear Colliders. With the announcement last July that researchers had found the elusive Higgs boson particle, the world’s leading physicists convened to determine what type of particle super collider is needed to enable new scientific discovery.

The particle physicists are proposing the International Linear Collider (ILC) to compliment the capability of the proton-proton Large Hadron Collider at the CERN facility in Switzerland. The ILC would consist of two electron-positron colliders that are 31 kilometer long with the capability of colliding beams of particles 14,000 times every second. The ILC would yield a host of new infor-



Artist rendering of the proposed International Linear Collider.



mation about the Higgs particle, the particle that gives all other particles in the universe their mass. Additionally, the ILC would help physicists understand other mysteries such as dark matter and dark energy.

Angelo State University Participates in Biological Research

Angelo State University (ASU) is playing an integral part in the National Science Foundation’s (NSF) “Collections in Support of Biological Research” program to digitize and mobilize the scientific information associated with biological specimens held in U.S. research collections. Images and other digitized data from these collections will be available to researchers and students from around the world via research and education networks like LEARN.



Angelo State’s digital collections are a critical part of the Collection in Support of Biological Research program.

development of biodiversity learning modules for university students that will be used in ASU’s “Science Days” program for local 4th graders.

Texas Woman’s University Hosts National Archive

The Blagg Huey Library at Texas Woman’s University (TWU) is home to the national archives for Women Air Force Service Pilots (WASP). The WASPs were the first women in history to fly for the U.S. military, serving between 1942 and 1944 at the height of World War II. This select group of young women pilots became pioneers, heroes, and role models for their and future generations. During their service to the country, 38 WASP pilots lost their lives.

The national archive at TWU tells the remarkable story of over 1,000 young women who flew over 60 million miles in every type of military aircraft. Their service was invaluable to the war effort and freed up male pilots for combat duty. The TWU collection includes over 1,000,000 documents, 25,000 photographs and almost 700 oral histories. Much of the collection is digitized and shared with the world over LEARN and other research and education networks. Additionally, TWU lends portions of its collection for exhibits around the country.



Women Air Force Service Pilots (WASP) were key to our success during World War II.



Texas A&M Receives Prestigious NSF Grant Award

Texas A&M University (TAMU) was awarded a prestigious National Science Foundation grant to support data intensive science and research in Texas. The TAMU project leverages their campus infrastructure, 100G of capacity on the LEARN network, access to Internet2's OS³E network and other national cyberinfrastructure resources to support TAMU researchers' need to move large data sets to participate in important national and international research projects.



Texas A&M is leveraging the LEARN network to support "big data" research.

Researchers focused on high-energy physics, climate modeling, genomics, geophysics and other "big data" science at TAMU and other universities need high capacity networks to leverage and share local and remote high performance computing and visualization resources. The project is exploring federated wide area data management, as an alternative to traditional strategies, to move large data sets. By deploying an advanced ScienceDMZ at TAMU, 100G of capacity on the LEARN network, connectivity to the OS³E network, and VLAN capability, TAMU will enable its researchers to work with colleagues at other institutions and share access to data and campus high performance clusters. In support

of TAMU's campus bridging vision, TAMU will be using federated identity management applications to foster rich, yet controlled, sharing of data and/or the caching and replication of federated wide area file systems.

The project will support researchers in Texas, beyond TAMU, by helping to provide access to 100G of advanced Layer 2 services on Internet2's OS³E network. This will enable the higher education community in Texas to collaborate with colleagues throughout the United States using OpenFlow and other Layer 2 protocols to support important research projects.

K-12 Public Schools Use LEARN To Bring Education to Texas Children

The Texas Education Telecommunications Network (TETN) uses the LEARN network to connect the K-12 community across Texas to improve student performance and to increase the efficiency of public school educational programs via an integrated statewide network. TETN is a consortium of 21 entities; the Texas Education Agency (TEA) and the 20 Texas Education Service Centers (ESCs). ESC Region XIII is the fiscal agent for their collaboration and is responsible for the consortium budget and the TETN office.

In accordance with the Texas Education Agency's Long Range Plan for Technology, TETN supports the mission of the Education Service Centers and Independent Schools Districts by providing distance education, virtual field trips, access to global educational activities, and professional development for teachers and administrators. Highlights of programs that were available to Texas public school children in 2012 include:



- **K-12 Educators Receive Virtual Concussion Training** – TETN and Cook Children’s Hospital hosted concussion training for public school districts and charter schools with students who take part in athletic activities. Required by Texas House Bill 2038, the program gave school personnel a thorough understanding of concussion related matters. Interactive Video Conferencing over the LEARN network was the main technology used, but participants could also join in person at Cook’s Medical Center in Fort Worth, or via TETN’s webcast. Over 600 attendees received 2.5 professional development credits.



Access to concussion training helps protect student athletes.

- **Presidential Primary Sources Project** – TETN partnered with the Internet2 K20 Initiative to host a collaborative project with Presidential Libraries and Museums and National Parks known as the Presidential Primary Sources Project. The year-long initiative focuses on global democracy with the providers offering video conferencing sessions and primary source documents associated with their topic. TETN worked with LEARN and three other state networks, Idaho Education Network, MAGPI, and North Dakota EduTech and Internet2 Commons to offer the program. K20 representatives also collaborated to offer social media collateral including a Facebook page, Tweet site and the use of MUSE to host video recordings and links to source documents. Students who are participating in the program will create projects in the spring of 2013 and present their work in a culminating video conference event.



The Presidential Primary Sources Project teaches public school students about global democracy.

Participating in the inaugural program are:

- George Bush Presidential Library and Museum
- Harry S. Truman Library
- Theodore Roosevelt Center
- Mount Rushmore
- Valley Forge National Park
- Jimmy Carter National Historic Site

TETN and the K20 Initiative created this project for the underlying purpose of assisting our national content partners with developing the infrastructure and processes to offer distance learning events.

- **K-12 Students Access Virtual College Visits** – TETN hosted virtual tours for high school students of potential colleges throughout the state of Texas. As a part of the initiative, 17 Texas colleges presented information about their history, mission, degree plans and financial/admission requirements via video conferencing. Students texted questions to the various presenters on many topic areas. Both college recruiters and students enjoyed the virtual opportunity that allowed participants to screen colleges for potential on campus visits.



LEARN helps Texas high school students take virtual college visits.



LEARN uses light from lasers to transport large data sets.

LEARN has deployed and operates a sophisticated state-of-the-art fiber-based optical network throughout Texas. The infrastructure is “carrier grade” optical technology that is highly reliable and capable of provisioning high-speed bandwidth between Texas cities. While capacity is important, the reliability of the network is just as important. In today’s complex and interconnected world, an “always on” reliable network is the foundation of our members’ needs and their expectations. A network outage can cause significant disruptions for our members.

The topology of the vast majority of LEARN’s network is designed to provide optical rings, which serve as a protected path for our customers in the event of a failure in the network infrastructure. This design redundancy is a key element of the network’s performance from a customer impact perspective.

The LEARN Network Operations Center (NOC) is staffed by professional network engineers, 24 hours a day, 7 days a week, and 365 days a year. The NOC serves as the central point for monitoring and managing the overall health and performance of the network. LEARN engineers have the network management tools and the training they need to manage the configuration of the network, monitor the performance of the network segments and their components, diagnose and isolate the cause of performance issues, and manage incidents until they are resolved. LEARN staff works closely with our members to align our network management practices and performance with their needs.

Despite the network design, the reliability of deployed infrastructure, operational discipline, and the expertise of our network engineers, occasionally components of the network fail. In order to reduce the time required to replace these components, LEARN has acquired and strategically deployed critical infrastructure spares throughout the network. Additionally, LEARN maintains maintenance and support agreements for its critical infrastructure.

During the past year, LEARN’s network continued to provide reliable service for our customers. Our FrameNet or Layer 2 services and Layer 3 services were available without disruption. For our WaveNet Layer 1 services, the overall network availability for our core backbone was 99.999% of the time and our Layer 1 network spurs were available 99.677% of the time. While these performance levels are very favorable compared with other telecommunications companies, LEARN is always exploring strategies to improve the availability of the network and customer satisfaction.

Part of the LEARN strategy to continue to improve availability of the network includes acquiring additional monitoring and reporting tools. During 2012, engineers deployed additional network management tools, as a part of our ongoing strategy, to continually improve the network’s performance and availability. Additionally, LEARN’s overall strategy also includes efforts to improve staff efficiency as the network grows. A database to provide a comprehensive centralized source for contact, asset, and circuit data will be deployed in 2013, as a part of that strategy.



Appendices



LEARN Board of Directors

Douglas (Doug) Fox, Associate VP, Information Technology & CIO
Angelo State University

Richard (Al) Reineking, Executive Director, Core Infrastructure, Office of Information Technology
Baylor College of Medicine

Pattie Orr, Vice President, Information Technology & Dean of University Libraries
Baylor University

Priscilla A. Parsons, Associate Vice President, Information Technology & CIO
Lamar University

Mickey Slimp, Executive Director
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Rodney V. Moore, Director of Information Technology & CIO
Prairie View A&M University

Kamran M. Khan, Vice Provost, Information Technology
Rice University

Mark C. Adams, Associate Vice President, Information Resources
Sam Houston State University

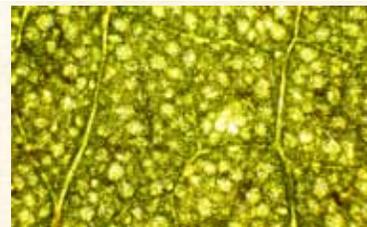
Joseph (Joe) Gargiulo, Chief Information Officer
Southern Methodist University

Paul T. Davis, Director, Information Technology Services
Stephen F. Austin State University

Scott Honea, Assistant Vice President, Information Technology & CIO
Texas A&M Health Science Center

Pierce E. Cantrell, Vice President & Associate Provost for Information Technology & CIO
Texas A&M University

Terry Tatum, Associate Vice President, Information Technology & CIO
Texas A&M University - Corpus Christi



Rodney (Rod) L. Zent, Executive Director, Educational Broadcast Services TTVN
Texas A&M University System

William (Bill) E. Carter, Vice Chancellor, Information Technology
Texas Association of Community Colleges

Bryan Lucas, Executive Director, Technology Resources
Texas Christian University

C. Van Wyatt, Vice President, Information Technology
Texas State University - San Marcos

Sam Segran, Chief Information Officer
Texas Tech University

Benny (Chip) Charles Shaw, Jr., Vice President, Information Technology & CIO
Texas Tech University Health Sciences Center

Kay Rhodes, Associate Vice Chancellor & CIO
Texas Tech University System

Robert Placido, Associate Provost, Technology & CIO
Texas Woman's University

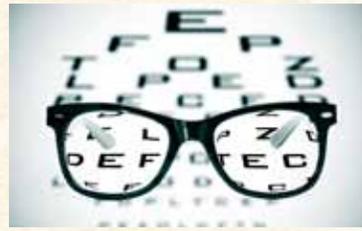
Dennis Fouty, Associate Vice Chancellor/Vice President & CIO, University Information Technology
University of Houston System

Michael Di Paolo, Associate Vice Chancellor & CIO
University of North Texas System

Jeffrey Graham, Chief Information Officer
University of Texas - Pan American

Maurice Leatherbury, Vice President, Information Technology & CIO
University of Texas at Arlington

William Green, Director of Networking & Telecommunications, Information Technology Services
University of Texas at Austin



Andrew (Andy) J. Blanchard, Vice Provost & Vice President, Information Resources & CIO
University of Texas at Dallas

Stephen Riter, Vice President, Information Resources & Planning
University of Texas at El Paso

Kenneth (Ken) Pierce, Vice Provost, Information Technology
University of Texas at San Antonio

William (Bill) A. Weems, Assistant Vice President, Academic Technology
University of Texas Health Science Center at Houston

Yeman Collier, Vice President, Information Management & Services & CIO
University of Texas Health Science Center at San Antonio

John D. Yoder, Jr., Chief Information Officer
University of Texas Health Science Center at Tyler

Keith Perry, Associate Vice President & Deputy CIO
University of Texas MD Anderson Cancer Center

Ralph Farr, Vice President, Information Services
University of Texas Medical Branch at Galveston

Kirk Kirksey, Vice President, Information Resources
University of Texas Southwestern Medical Center at Dallas

Margaret (Marg) Knox, Chief Information Officer
University of Texas System



Financial Statements

LONESTAR EDUCATION AND RESEARCH NETWORK

Financial Statements

Year Ended December 31, 2012



Ingrid Edwards CPA PC

8500 N. Mopac, Suite 605,
Austin, TX 78759
512-582-0118

*Member of American Institute of
Certified Public Accountants*

*Member of Texas Society of
Certified Public Accountants*

INDEPENDENT ACCOUNTANT'S COMPILATION REPORT

To the Board of Directors
Lonestar Education and Research Network
Austin, TX

I have compiled the accompanying Statement of Financial Position of Lonestar Education and Research Network (a nonprofit organization) as of December 31, 2012 and the related Statement of Activities for the year then ended. I have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements and supplementary schedule.

My responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

Management has elected to omit substantially all of the disclosures and statement of cash flow required by accounting principles generally accepted in the United States of America. If the omitted disclosures and statement of cash flow were included in the financial statements, they might influence the user's conclusion about the Organization's financial position, changes in assets, results of operations, and cash flow. Accordingly, these financial statements are not designed for those who are not informed about such matters.

February 23, 2013


Certified Public Accountant



**LONESTAR EDUCATION AND RESEARCH NETWORK
STATEMENT OF FINANCIAL POSITION
DECEMBER 31, 2012**

ASSETS

	Current Operating Funds		Total
	Program Fund	Network Fund	
CURRENT ASSETS			
Cash and cash equivalents	\$ 672,215	\$ 8,633,070	\$ 9,305,285
Accounts receivable:			
Network services	-	112,790	112,790
Other	95	-	95
Earned credit card rewards	773	-	773
Funds held by others	1,900	-	1,900
Total Current Assets	674,983	8,745,860	9,420,843
PROPERTY AND EQUIPMENT			
Network equipment	-	6,003,099	6,003,099
Furniture and equipment	58,007	-	58,007
	58,007	6,003,099	6,061,106
Less accumulated depreciation	(46,898)	(4,606,172)	(4,653,070)
Property and Equipment - net	11,109	1,396,927	1,408,036
OTHER ASSETS			
Network and IRU access rights	-	8,294,140	8,294,140
Less accumulated amortization	-	(2,800,812)	(2,800,812)
Total Other Assets	-	5,493,328	5,493,328
TOTAL ASSETS	\$ 686,092	\$ 15,636,115	\$ 16,322,207

LIABILITIES AND NET ASSETS

CURRENT LIABILITIES			
Deferred revenue	\$ -	\$ 896,986	\$ 896,986
Accounts payable	87,337	116,194	203,531
Credit cards payable	15,281	1,511	16,792
Capital leases payable - current portion	-	38,400	38,400
Total Current Liabilities	102,618	1,053,091	1,155,709
LONG TERM LIABILITIES			
Capital leases net of current portion	-	132,567	132,567
Total Liabilities	102,618	1,185,658	1,288,276
NET ASSETS			
Unrestricted net assets	583,474	8,052,203	8,635,677
Unrestricted board designated net assets	-	-	-
Life cycle replacement	-	5,502,872	5,502,872
DFW reserve	-	895,382	895,382
Total Net Assets	583,474	14,450,457	15,033,931
TOTAL LIABILITIES AND NET ASSETS	\$ 686,092	\$ 15,636,115	\$ 16,322,207

See accountant's compilation report.



**LONESTAR EDUCATION AND RESEARCH NETWORK
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED DECEMBER 31, 2012**

	Current Operating Funds			Total
	Unrestricted		Network Fund	
	Program Fund			
REVENUES AND OTHER SUPPORT				
Membership dues	\$ 836,000.00	\$ -	\$ -	\$ 836,000
Network services	-	5,812,979	-	5,812,979
Investment income	3,520	44,955	-	48,475
Miscellaneous income	-	3,116	-	3,116
NET ASSETS RELEASED FROM RESTRICTIONS:				
Fund transfers	(810)	810	-	-
TOTAL REVENUES AND OTHER SUPPORT	838,710	5,861,860		6,700,570
EXPENSES				
PROGRAM SERVICES				
Connections and fibers	-	2,331,323	-	2,331,323
Installation	-	59,928	-	59,928
Network parts and supplies	-	38,835	-	38,835
Amortization	-	589,873	-	589,873
Depreciation	-	736,421	-	736,421
Total Program Expenses	-	3,756,380		3,756,380
SUPPORTING SERVICES				
Professional fees				
Administration	382,485	464,651	-	847,136
Auditing	18,500	-	-	18,500
Consulting	14,944	-	-	14,944
Legal	10,782	-	-	10,782
Accounting	7,380	-	-	7,380
Salaries and wages	12,620	205,660	-	218,280
Travel	24,714	65,799	-	90,513
Insurance	37,123	-	-	37,123
Computer and software supplies	3,890	11,645	-	15,535
Membership dues	19,885	40,000	-	59,885
Office expenses	33,174	7,250	-	40,424
Sponsored meetings	37,544	941	-	38,485
Office rent	22,853	-	-	22,853
Telephone	12,345	-	-	12,345
Payroll taxes	1,042	10,077	-	11,119
Federation support	20,870	-	-	20,870
Marketing, education and awards	7,951	371	-	8,322
Office utilities and maintenance	6,098	-	-	6,098
Staff development	-	1,650	-	1,650
Depreciation	5,946	-	-	5,946
Total Supporting Services	680,146	808,044		1,488,190
TOTAL EXPENSES	680,146	4,564,424		5,244,570
CHANGES IN NET ASSETS	158,564	1,297,436		1,456,000
NET ASSETS:				
Beginning balance at January 1, 2012	424,910	13,153,021	-	13,577,931
Ending balance at December 31, 2012	\$ 583,474	\$ 14,450,457		\$ 15,033,931

See accountant's compilation report.

Alvin Community College
 Austin Community College
 Blinn College
 Brazosport College
 Del Mar College
 Galveston College
 Houston Community College
 Lamar Institute of Technology
 Lamar State College - Orange
 Lamar State College - Port Arthur
 Lee College
 Midland College
 Navarro College
 Ranger College
 Texas Southmost College
 Victoria College
 Southwestern Adventist University - C.S. Dept.
 Sul Ross State University
 Sul Ross State University Rio Grande College
 Tarleton State University
 Texas A&M International University
 Texas A&M University - Central Texas
 Texas A&M University - Commerce
 Texas A&M University - Kingsville
 Texas A&M University - San Antonio
 Texas A&M University - Texarkana
 Texas A&M University at Galveston
 Texas Southern University
 University of Houston - Clear Lake
 University of Houston - Downtown
 University of Houston - Victoria
 University of North Texas Health Science Center
 University of Texas - Permian Basin
 University of Texas at Brownsville
 University of Texas at Tyler
 West Texas A&M University
 Alamo Area Council Of Governments
 Cameron County
 Citizen's Medical Center - Victoria
 City of Austin Information Services
 Department of Information Resources (DIR)
 Duncanville Public Library
 Ector County Library
 Fort Worth Public Library
 Guadalupe Valley Hospital
 Hidalgo County Planned Parenthood
 Lower Colorado River Authority
 Medina Community Hospital

Mesquite Public Library
 Mission Hospital
 Newton County Library
 Orange County
 Parkland Memorial Hospital
 Southwest Education Development Lab
 Texas AgriLife Extension Service
 Texas AgriLife Research
 Texas Engineering Experiment Station
 Texas Engineering Extension Service
 Texas Forest Service
 Texas Transportation Institute
 Texas Veterinary Medical Diagnostic Lab
 Travis County
 Uvalde Memorial Hospital
 Wharton County Library
 Education Service Center - Region 3
 Education Service Center - Region 4
 Education Service Center - Region 5
 Education Service Center - Region 6
 Education Service Center - Region 7
 Education Service Center - Region 8
 Education Service Center - Region 9
 Education Service Center - Region 11
 Education Service Center - Region 13
 Education Service Center - Region 14
 Education Service Center - Region 15
 Education Service Center - Region 16
 Education Service Center - Region 18
 Education Service Center - Region 19
 Education Service Center - Region 20
 Adrian ISD
 Albany ISD
 Alief ISD
 Alpine ISD
 Alto ISD
 Anderson-Shiro CISD
 Andrews ISD
 Angleton ISD
 Anson ISD
 Apple Springs ISD
 Archer City ISD
 Aspermont ISD
 Atlanta ISD
 Aubrey ISD
 Austin ISD
 Austwell-Tivoli ISD
 Avery ISD



Avinger ISD
 Azleway Charter School
 Baird ISD
 Ballinger ISD
 Balmorhea ISD
 Bangs ISD
 Bartlett ISD
 Bastrop ISD
 Bellevue ISD
 Benjamin ISD
 Big Sandy ISD
 Big Spring ISD
 Birdville ISD
 Blackwell CISD
 Blanco ISD
 Blanket ISD
 Bloomburg ISD
 Bluff Dale ISD
 Boling ISD
 Booker ISD
 Borger ISD
 Bovina ISD
 Bowie ISD
 Boys Ranch ISD
 Brackett ISD
 Brady ISD
 Brazos ISD
 Brazos School for Inquiry & Creativity
 Breckenridge ISD
 Brenham ISD
 Bridge City ISD
 Brock ISD
 Bronte ISD
 Brookeland ISD
 Brooksmith ISD
 Brownwood ISD
 Bryson ISD
 Buckholts ISD
 Buena Vista ISD
 Bullard ISD
 Buna ISD
 Burkburnett ISD
 Burkeville ISD
 Burnet CISD
 Burnham Wood Charter School District
 Burton ISD
 Caldwell ISD
 Callisburg ISD

Canadian ISD
 Canyon ISD
 Castleberry ISD
 Cayuga ISD
 Center Point ISD
 Centerville ISD
 Channelview ISD
 Channing ISD
 Chapel Hill ISD
 Charlotte ISD
 Chester ISD
 Chico ISD
 Childress ISD
 Chillicothe ISD
 Chireno ISD
 Chisum ISD
 Christoval ISD
 Cisco ISD
 City View ISD
 Clarendon ISD
 Clarksville ISD
 Claude ISD
 Clint ISD
 Clyde CISD
 Coahoma ISD
 Coldspring-Oakhurst CISD
 Coleman ISD
 Colmesneil ISD
 Colorado ISD
 Comanche ISD
 Comfort ISD
 Community ISD
 Como-Pickton CISD
 Comstock ISD
 Cooper ISD
 Corrigan-Camden ISD
 Coupland ISD
 Crane ISD
 Crockett County Consolidated CSD
 Crockett ISD
 Cross Plains ISD
 Cross Roads ISD
 Crowell ISD
 Cuero ISD
 Culberson County ISD
 Cumby ISD
 Cushing ISD
 Daingerfield-Lone Star ISD



Dalhart ISD
 Damon ISD
 Danbury ISD
 Darrouzett ISD
 De Leon ISD
 Dekalb ISD
 Del Valle ISD
 Denton ISD
 Detroit ISD
 Deweyville ISD
 D'Hanis ISD
 Dime Box ISD
 Divide ISD
 Dodd City ISD
 Doss Consolidated CSD
 Douglass ISD
 Dripping Springs ISD
 Dumas ISD
 Duncanville ISD
 Early ISD
 Eastland ISD
 Eden ISD
 Eden Park Academy
 Edgewood ISD
 Edna ISD
 Electra ISD
 Era ISD
 Erath Excels Academy, Inc.
 Etoile ISD
 Eula ISD
 Eustace ISD
 Evadale ISD
 Excelsior ISD
 Ezzell ISD
 Fannindel ISD
 Fayetteville ISD
 Flatonina ISD
 Florence ISD
 Floresville ISD
 Follett ISD
 Forestburg ISD
 Forsan ISD
 Fort Davis ISD
 Fort Elliott CISD
 Fort Hancock ISD
 Fort Sam Houston ISD
 Fort Stockton ISD
 Fort Worth ISD

Frankston ISD
 Fredericksburg ISD
 Gause ISD
 Glasscock County ISD
 Glen Rose ISD
 Godley ISD
 Gold Burg ISD
 Goliad ISD
 Gonzales ISD
 Goodrich ISD
 Gordon ISD
 Gorman ISD
 Grady ISD
 Graford ISD
 Grandfalls-Royalty ISD
 Grandview-Hopkins ISD
 Granger ISD
 Grape Creek ISD
 Grapeland ISD
 Greenwood ISD
 Groom ISD
 Groveton ISD
 Gruver ISD
 Gustine ISD
 Hamlin ISD
 Hampshire-Fannett ISD
 Happy ISD
 Harlingen CISD
 Harper ISD
 Harrold ISD
 Hart ISD
 Hartley ISD
 Harts Bluff ISD
 Haskell CISD
 Hawley ISD
 Hedley ISD
 Hempstead ISD
 Henrietta ISD
 Hermleigh ISD
 Higgins ISD
 High Island ISD
 Highland ISD
 Highland Park ISD
 Holliday ISD
 Honey Grove ISD
 Hooks ISD
 Hubbard ISD
 Huckabay ISD



Hunt ISD
Huntsville ISD
Hutto ISD
Industrial ISD
Iola ISD
Iowa Park CISD
Ira ISD
Iraan-Sheffield ISD
Irion County ISD
Jacksboro ISD
Jarrell ISD
Jefferson ISD
Jim Ned CISD
John Cooper School
Johnson City ISD
Joshua ISD
Jourdanton ISD
Junction ISD
Karnes City ISD
Kelton ISD
Kenedy ISD
Kennard ISD
Kennedale ISD
Kermit ISD
Kinkaid School
Kirbyville CISD
Klein ISD
Knippa ISD
Knox City-O'Brien CISD
Kountze ISD
Kress ISD
La Grange ISD
Lackland ISD
Lago Vista ISD
Lake Travis ISD
Lake Worth ISD
Lamar CISD
Laneville ISD
Lapoynor ISD
Latexo ISD
Leary ISD
Lefors ISD
Leggett ISD
Leon ISD
Leveretts Chapel ISD
Liberty Hill ISD
Liberty-Eylau ISD
Linden-Kildare CISD

Lindsay ISD
Lingleville ISD
Lipan ISD
Little Cypress-Mauriceville CISD
Little Elm ISD
Lockhart ISD
Loraine ISD
Louise ISD
Lovelady ISD
Lueders-Avoca ISD
Luling ISD
Lumberton ISD
Madisonville CISD
Magnolia ISD
Malakoff ISD
Malta ISD
Marathon ISD
Marble Falls ISD
Marfa ISD
Marion ISD
Martins Mill ISD
Martinsville ISD
Mason ISD
Matagorda ISD
Maud ISD
May ISD
McCamey ISD
McDade ISD
McLean ISD
McLeod ISD
Medina Valley ISD
Memphis ISD
Menard ISD
Merkel ISD
Meyersville ISD
Miami ISD
Midland Academy Charter
Midway ISD
Milano ISD
Miles ISD
Miller Grove ISD
Mineral Wells ISD
Monahans-Wickett-Pyote ISD
Monsignor Kelly Catholic High School
Montague ISD
Moran ISD
Morgan Mill ISD
Moulton ISD



Mount Enterprise ISD
 Mount Vernon ISD
 Muenster ISD
 Mumford ISD
 Munday CISD
 Murchison ISD
 Natalia ISD
 Navarro ISD
 Navasota ISD
 Nazareth ISD
 New Boston ISD
 New Braunfels ISD
 New Caney ISD
 New Frontiers Charter School
 Newcastle ISD
 Newton ISD
 Nixon-Smiley CISD
 Nocona ISD
 Nordheim ISD
 Normangee ISD
 North Hopkins ISD
 North Lamar ISD
 North Zulch ISD
 Northside ISD
 Novice ISD
 Nueces Canyon ISD
 Nursery ISD
 Oakwood ISD
 Olfen ISD
 Olney ISD
 Onalaska ISD
 Orangefield ISD
 Overton ISD
 Paint Creek ISD
 Paint Rock ISD
 Palacios ISD
 Palo Pinto ISD
 Pampa ISD
 Panhandle ISD
 Panther Creek ISD
 Paris ISD
 Peaster ISD
 Pecos-Barstow ISD
 Perrin-Whitt CISD
 Perryton ISD
 Petrolia ISD
 Pewitt CISD
 Pilot Point ISD

Pittsburg ISD
 Pleasant Grove ISD
 Plemons-Stinnett-Phillips CISD
 Ponder ISD
 Poolville ISD
 Por Vida Academy
 Port Aransas ISD
 Port Arthur ISD
 Prairie Lea ISD
 Prairie View ISD
 Prairiland ISD
 Presidio ISD
 Pringle-Morse CISD
 Quanah ISD
 Queen City ISD
 Ranch Academy
 Ranger ISD
 Rankin ISD
 Reagan County ISD
 Red Lick ISD
 Redwater ISD
 Refugio ISD
 Richard Milburn Academy (Midland)
 Richards ISD
 Richland Springs ISD
 Rio Vista ISD
 Rising Star ISD
 River Road ISD
 Rivercrest ISD
 Robert Lee ISD
 Roby CISD
 Rochelle ISD
 Rocksprings ISD
 Roscoe ISD
 Rotan ISD
 Round Top-Carmine ISD
 Roxton ISD
 Rule ISD
 Runge ISD
 Sabinal ISD
 Sabine ISD
 Sabine Pass ISD
 Saint Jo ISD
 Saltillo ISD
 Sam Rayburn ISD
 San Antonio Technology Academy
 San Saba ISD
 San Vincent ISD



Sanford-Fritch ISD
 Santa Anna ISD
 Schertz-Cibolo-U City ISD
 Schleicher ISD
 Schulenburg ISD
 Sealy ISD
 Seymour ISD
 Shamrock ISD
 Shelbyville ISD
 Shepherd ISD
 Shiner ISD
 Sidney ISD
 Sierra Blanca ISD
 Silsbee ISD
 Silverton ISD
 Simms ISD
 Sivells Bend ISD
 Slidell ISD
 Slocum ISD
 Snook ISD
 Snyder ISD
 Somerville ISD
 Sonora ISD
 Spearman ISD
 Spring Creek ISD
 Spring Hill ISD
 Spurger ISD
 St. Francis de Sales School
 St. Vincent de Paul School
 Stamford ISD
 Stanton ISD
 Sterling City ISD
 Stockdale ISD
 Strake Jesuit College Preparatory
 Stratford ISD
 Strawn ISD
 Sulphur Bluff ISD
 Sulphur Springs ISD
 Sunray ISD
 Sweeny ISD
 Sweet Home ISD
 Sweetwater ISD
 Tarkington ISD
 Taylor ISD
 Terlingua ISD
 Terrell County ISD
 Texhoma ISD
 Texline ISD

Thorndale ISD
 Thrall ISD
 Three Way ISD
 Throckmorton ISD
 Tidehaven ISD
 TLC Academy
 Tolar ISD
 Trent ISD
 Trinidad ISD
 Tulia ISD
 Valentine ISD
 Valley View ISD
 Vega ISD
 Veribest ISD
 Vernon ISD
 Victoria ISD
 Vidor ISD
 Vysehrad ISD
 Waelder ISD
 Walcott ISD
 Wall ISD
 Walnut Bend ISD
 Warren ISD
 Water Valley ISD
 Wellington ISD
 Wells ISD
 West Hardin County CISD
 West Orange-Cove CISD
 West Rusk ISD
 Westbrook ISD
 Westhoff ISD
 Wharton ISD
 Wheeler ISD
 White Deer ISD
 Wichita Falls ISD
 Wildorado ISD
 Wimberley ISD
 Windthorst ISD
 Winfield ISD
 Wink-Loving ISD
 Winters ISD
 Woden ISD
 Woodson ISD
 Woodville ISD
 Wylie ISD
 Yoakum ISD
 Yorktown ISD
 Zephyr ISD

