

LEARN

LIGHTING THE NEXT- GENERATION NETWORK ACROSS TEXAS

**DOSAR II
UNIVERSITY OF TEXAS AT ARLINGTON**

**3-31-06
AKBAR KARA**

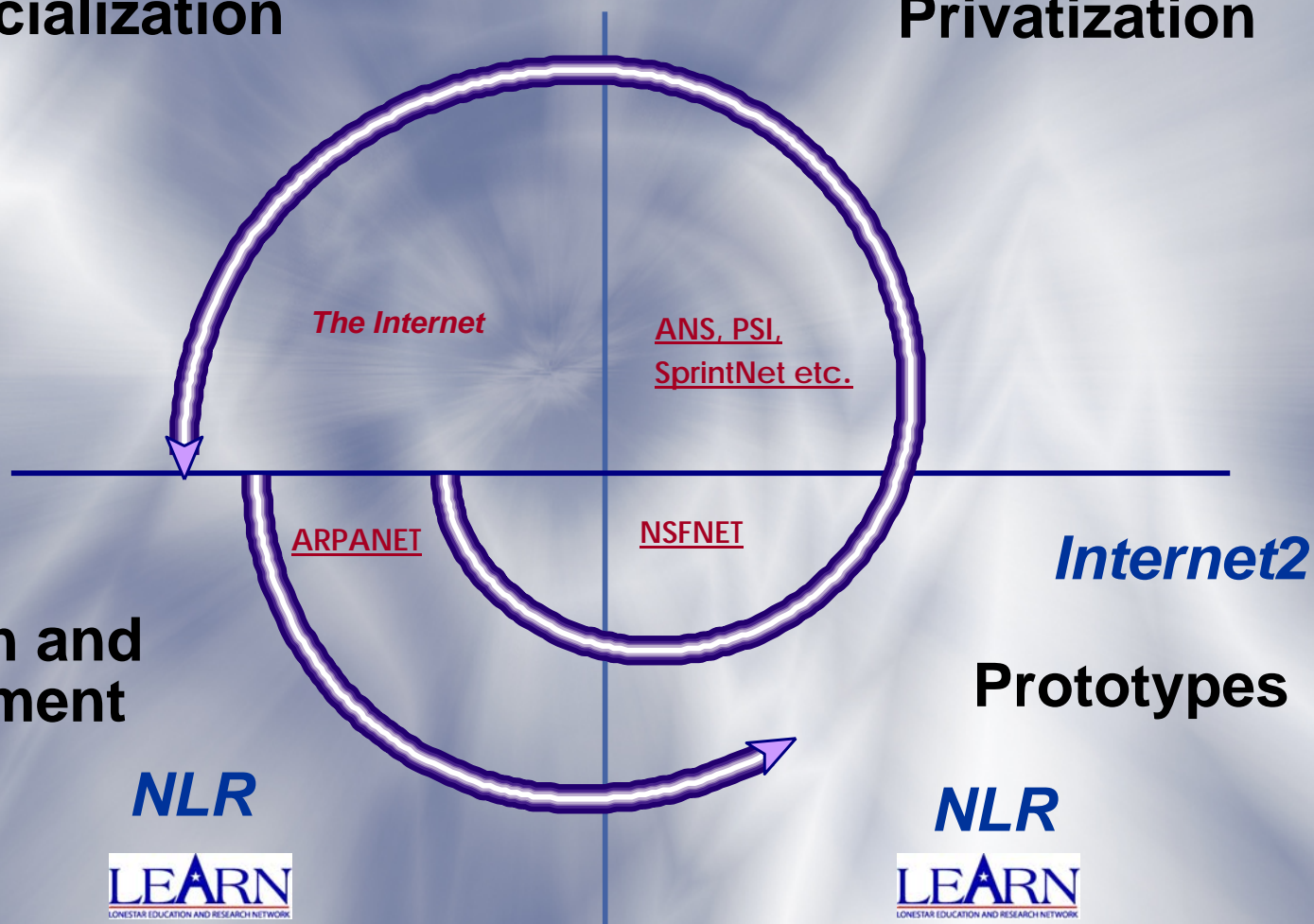
Development Spiral

Commercialization

Privatization

**Research and
Development**

Prototypes

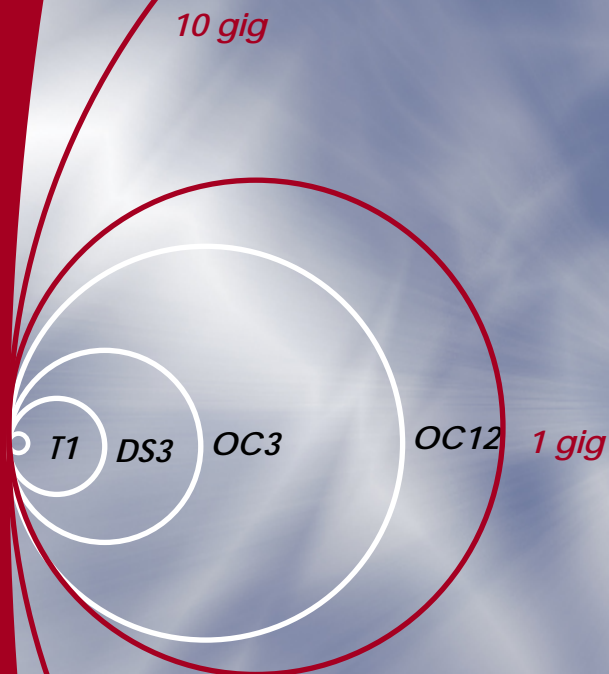


Source: Ivan Moura Campos

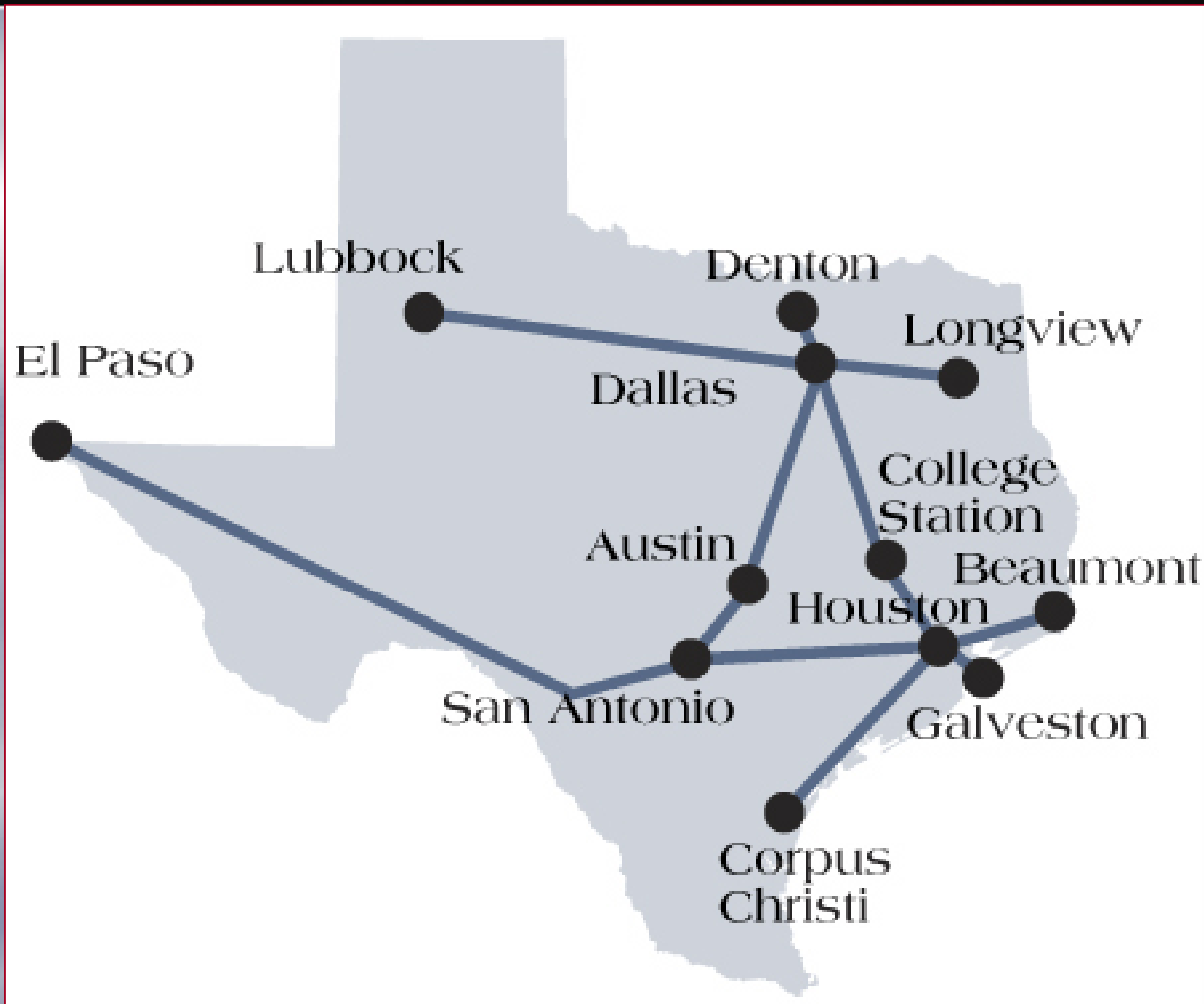
Revisiting the stack

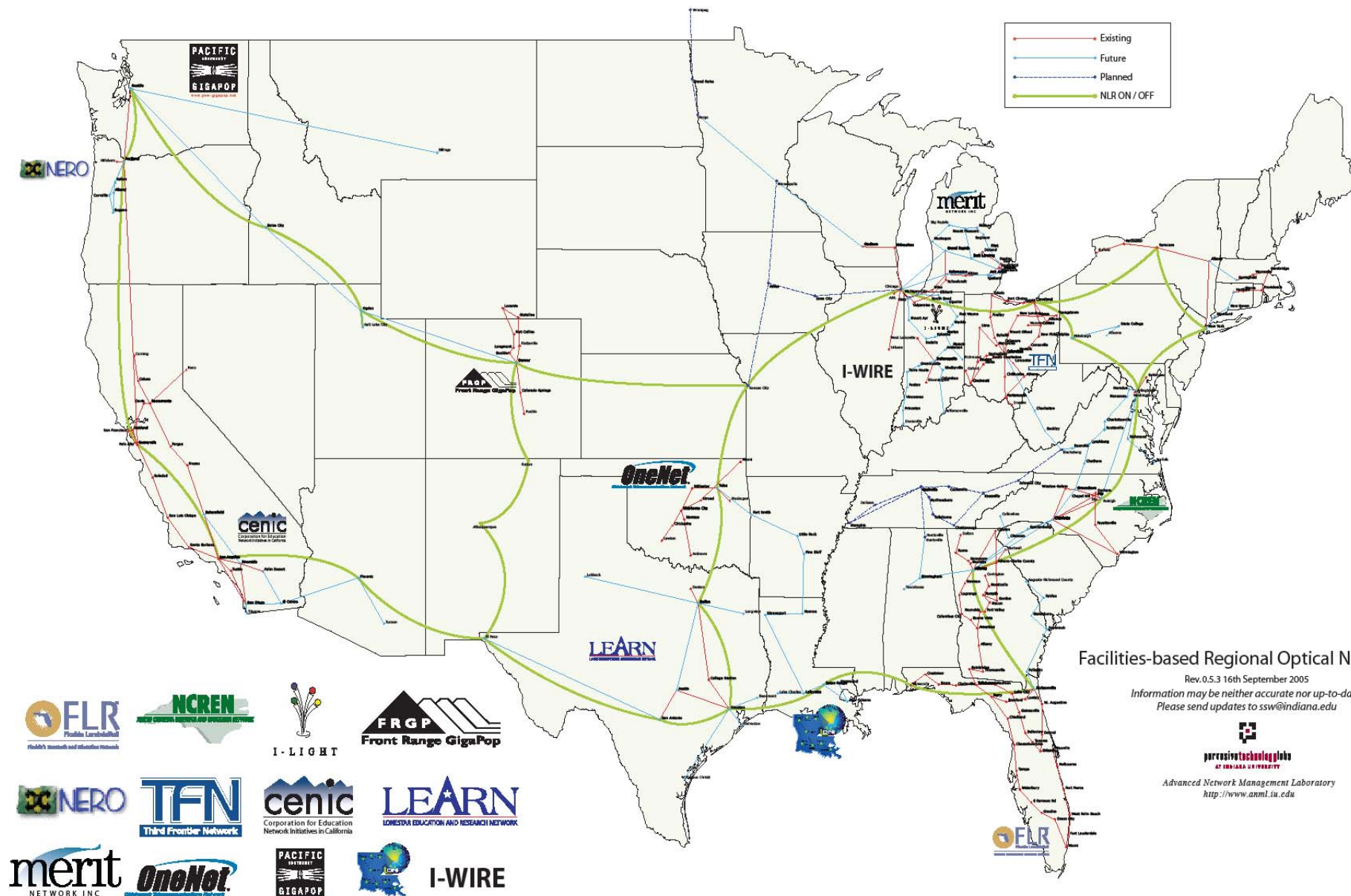


Quantitative and qualitative comparisons



Proposed LEARN connections





Facilities-based Regional Optical Networks

Rev.0.5.3 16th September 2005

Information may be neither accurate nor up-to-date.
Please send updates to ssw@indiana.edu



pervasive technologies
AT INDIANA UNIVERSITY

Advanced Network Management Laboratory
<http://www.anml.iu.edu>



LONESTAR EDUCATION AND RESEARCH NETWORK

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Some milestones

★ 2005

- ★ Jan. 30 - Staff #2 on board
- ★ Feb. 28 - TEF agreement signed
- ★ April 5 - Money in the bank
- ★ June 24 - First Light
- ★ October 21 – “triangle” contracts completed

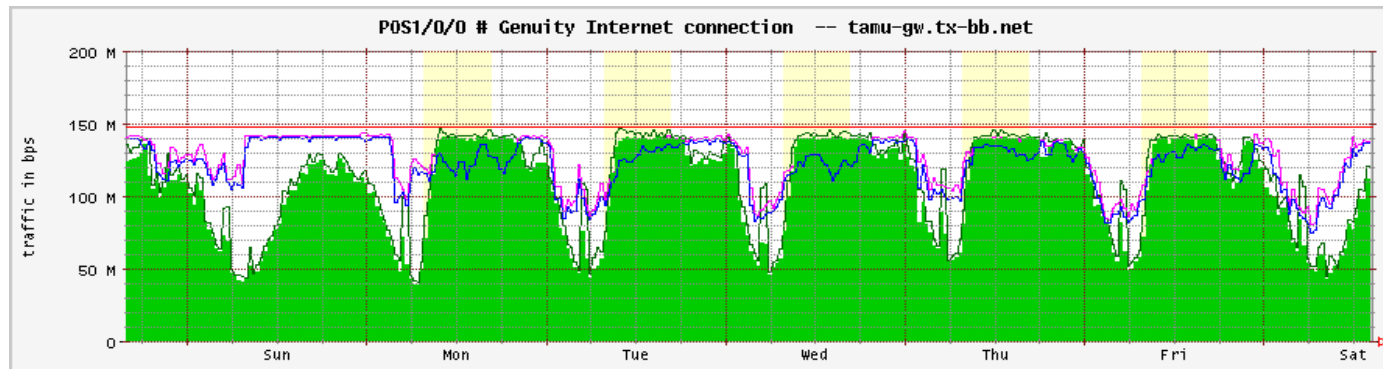
★ 2006

- ★ Jan 1, half time accounting manager
- ★ June, full-time Chief Technologist

★ Today

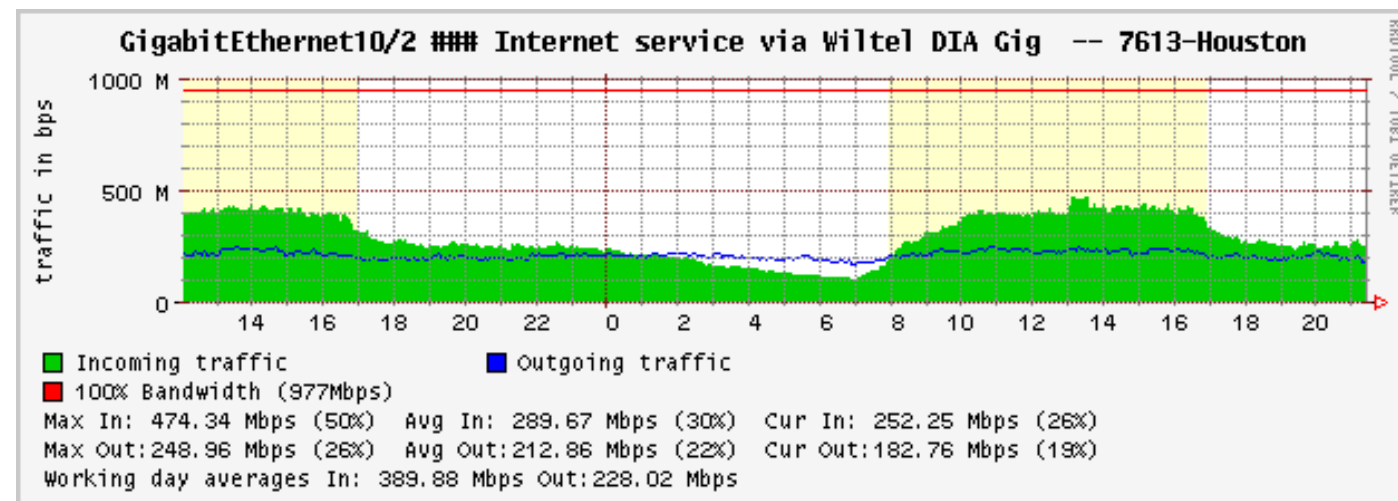
- ★ 7 cities have LEARN light
- ★ We're about half lit

Oh what a relief it is

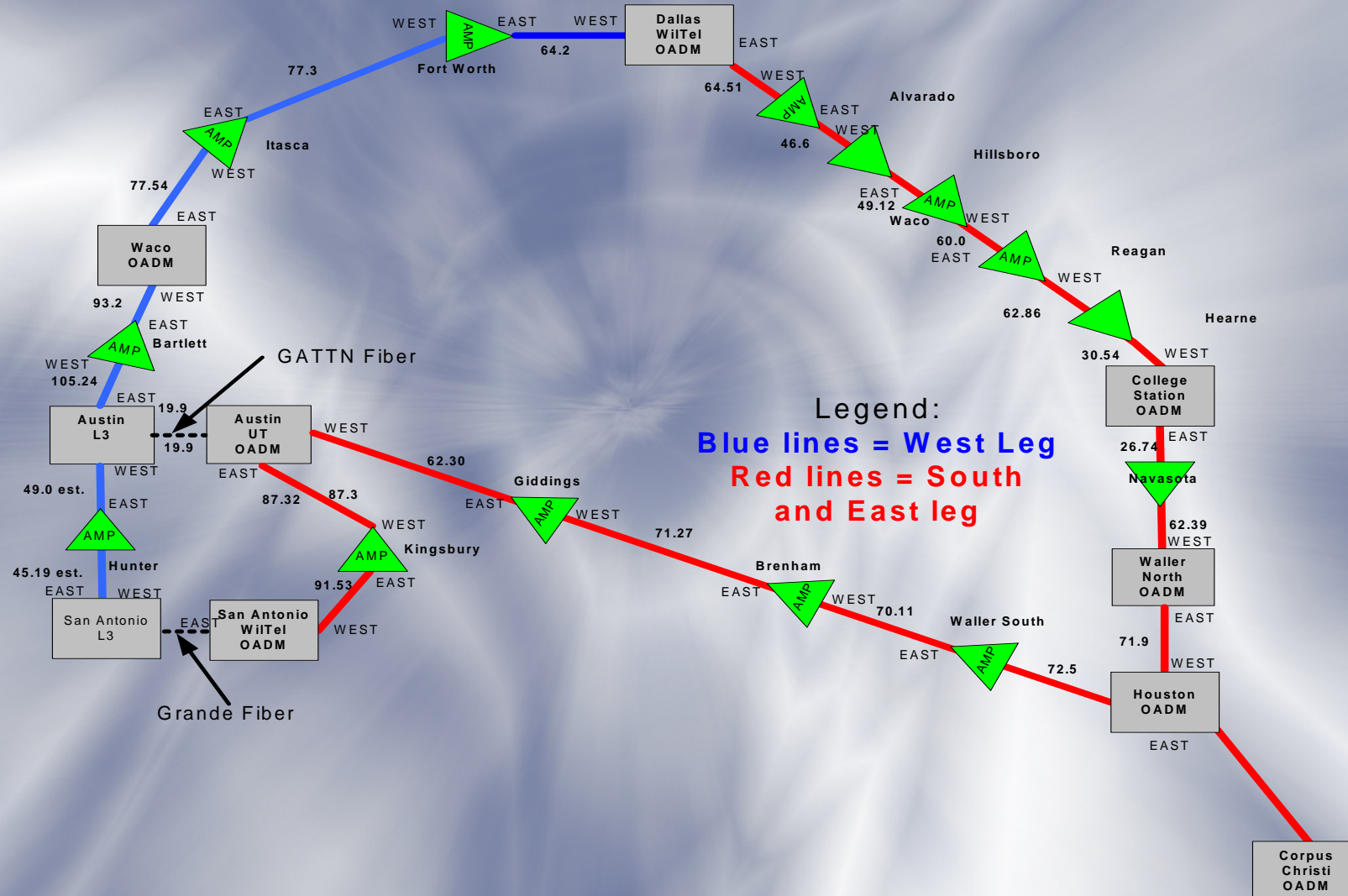


Pre - LEARN

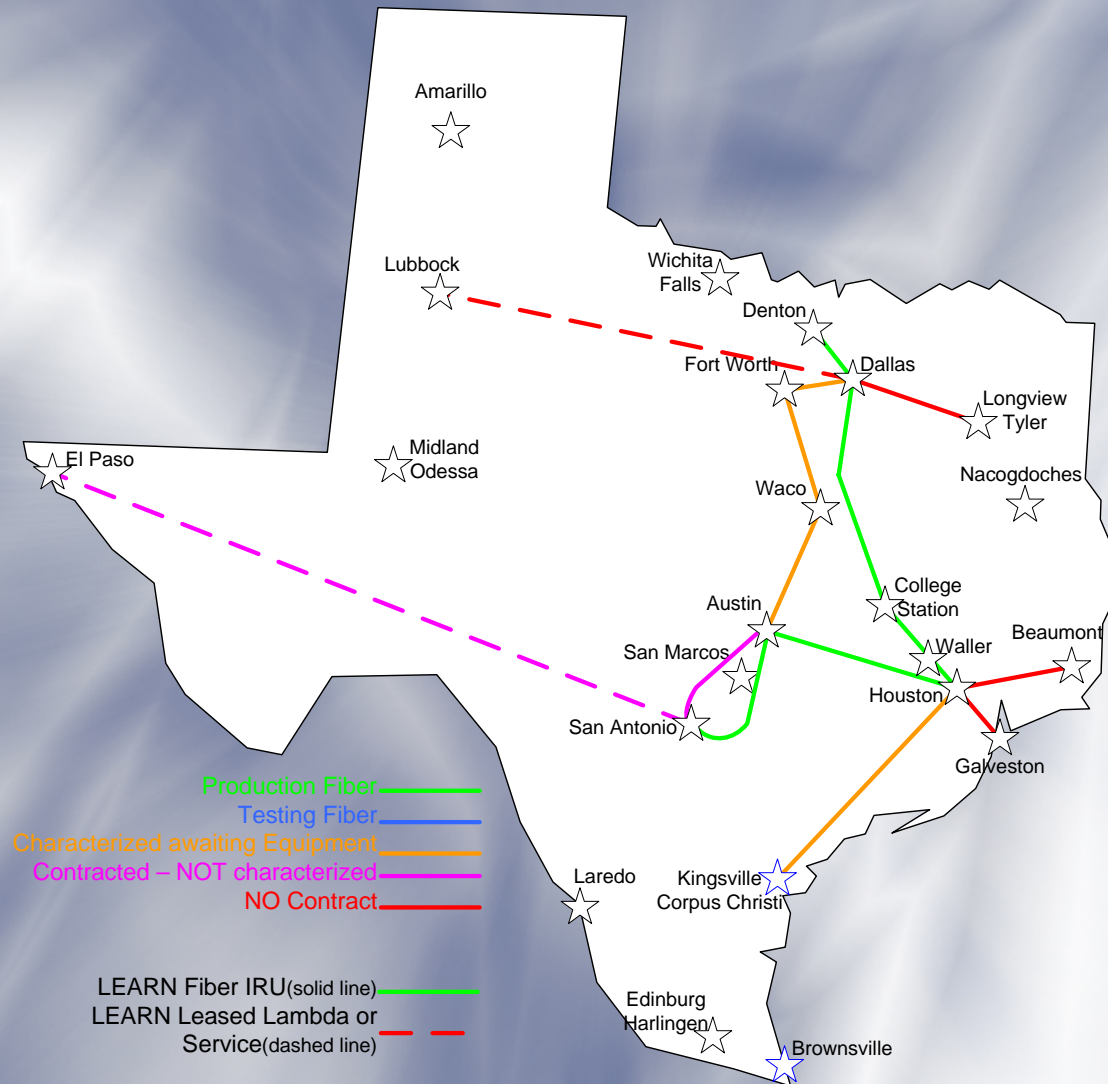
Post - LEARN

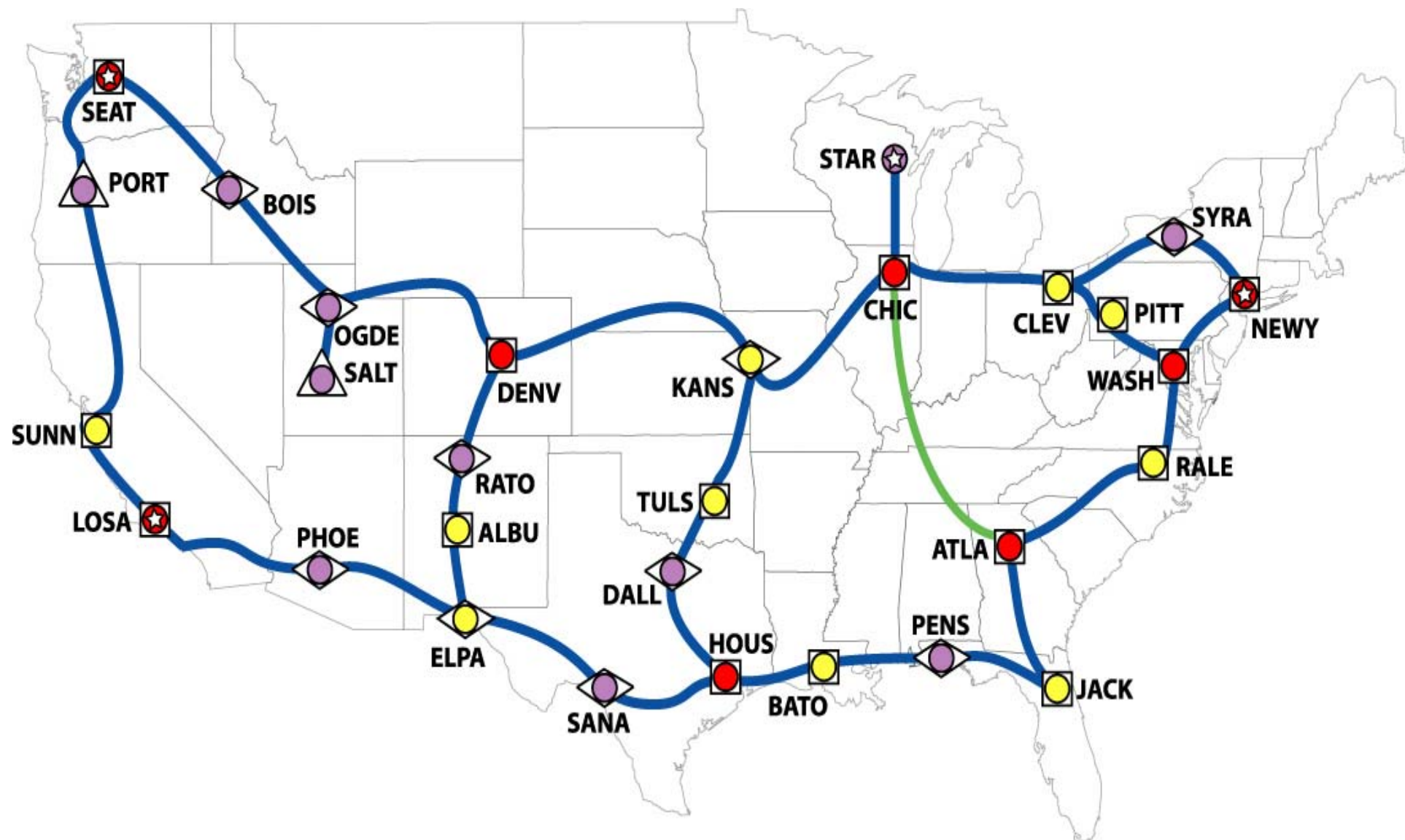


Current "triangle"



Status





— NLR-owned fiber

— Managed Wave

● NLR WaveNet, FrameNet and PacketNet PoP

● NLR WaveNet and FrameNet PoP

● NLR WaveNet Pop

□ PoP for primary connection point by a member (MetaPop)

◇ PoP needed for signal regeneration requirements, can also be used as secondary connection by a member

△ PoP established by NLR for members' regional needs

☆ Pop established at exchange points

Contacts

★ Jim Williams, LEARN

★ jwilliams@tx-learn.net

★ Akbar Kara, LEARN

★ akara@tx-learn.net

★ Gary Wiggins, UTPA (NextLight)

★ garywiggins@utpa.edu

★ Rod Zent, TAMU (NextLight)

★ r-zent@tamu.edu

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- ★ Baylor University
- ★ Baylor College of Medicine
- ★ Lamar University
- ★ Northeast Texas Consortium (NETnet)
- ★ Prairie View A&M University
- ★ Rice University
- ★ Sam Houston State University
- ★ Southern Methodist University
- ★ Stephen F. Austin State University
- ★ Texas A&M University
- ★ Texas A&M University System
- ★ Texas A&M University System Health Science Center
- ★ Texas A&M University-Corpus Christi
- ★ Texas Association of Community Colleges
- ★ Texas Christian University
- ★ Texas State University - San Marcos
- ★ Texas Tech University
- ★ Texas Tech University System

- ★ University of Houston System
- ★ University of North Texas System
- ★ University of Texas at Arlington
- ★ University of Texas at Austin
- ★ University of Texas at Dallas
- ★ University of Texas at El Paso
- ★ University of Texas Health Science Center at Houston
- ★ University of Texas Health Science Center at San Antonio
- ★ University of Texas Health Center at Tyler
- ★ University of Texas M.D. Anderson Cancer Center
- ★ University of Texas Medical Branch at Galveston
- ★ University of Texas - Pan American
- ★ University of Texas at San Antonio
- ★ University of Texas Southwestern Medical Center at Dallas
- ★ University of Texas System