The Broadband Imperative:

Recommendations to Address
K-12 Education Infrastructure Needs

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Collaboration

- 2011 SETDA Leadership Summit Topic Session

- Research & Drafting

- Online Collaboration

- Webinars

- Reviewers

Shifting to Technology-Rich Learning

Basic Connectivity for Supplemental Enrichment

Emerging Reliance on Online Tools and Resources

Transformation to a Technology-Rich Learning Environment

Recommendation 1

Move to Address K-12 Broadband Infrastructure Needs

Broadband Access for Teaching, Learning, and School Operations	2014-15 School Year Target	2017-18 School Year Target
An external Internet connection to the Internet service provider (ISP)	At least 100 Mbps per 1,000 students/ staff	At least 1 Gbps per 1,000 students/staff
Internal wide area network (WAN) connections from the district to each school and among schools within the district	At least 1 Gbps per 1,000 students/staff	At least 10 Gbps per 1,000 students/staff

Recommendation 2

Ensure Broadband Access for Students and Educators

- Federal, state and local governments all need to take responsibility for ensuring educational access outside of school.

- Out-of-school access includes (but not limited to) homes, libraries and community centers.

Build State Leadership

- States should provide direct leadership in providing <u>adequate</u> and <u>equitable</u> broadband to K-12 schools, homes, and publicly accessible institutions.

- State broadband networks offer a cost-effective, scalable approach.

Advocate for Federal Funding

Increase funding options to support:

- States in implementing and maintaining high-speed broadband statewide networks;

- Districts and schools by helping to increasing bandwidth capacity;

- Communities by helping providing access to anchor institutions; and,

- Home broadband access to low-income families.

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