The Broadband Imperative:
Recommendations to Address K-12 Education Infrastructure Needs

June 23, 2012
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Washington, DC
Collaboration

- 2011 SETDA Leadership Summit Topic Session
- Research & Drafting
- Online Collaboration
- Webinars
- Reviewers

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Shifting to Technology-Rich Learning

Basic Connectivity for Supplemental Enrichment

Emerging Reliance on Online Tools and Resources

Transformation to a Technology-Rich Learning Environment

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**Recommendation 1**

**Move to Address K-12 Broadband Infrastructure Needs**

<table>
<thead>
<tr>
<th>Broadband Access for Teaching, Learning, and School Operations</th>
<th>2014-15 School Year Target</th>
<th>2017-18 School Year Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>An external Internet connection to the Internet service provider (ISP)</td>
<td>At least 100 Mbps per 1,000 students/staff</td>
<td>At least 1 Gbps per 1,000 students/staff</td>
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<tr>
<td>Internal wide area network (WAN) connections from the district to each school and among schools within the district</td>
<td>At least 1 Gbps per 1,000 students/staff</td>
<td>At least 10 Gbps per 1,000 students/staff</td>
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</tbody>
</table>
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.
**Recommendation 3**

Build State Leadership

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

- State broadband networks offer a cost-effective, scalable approach.
Recommendation 4

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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