FCC Broadband Deployment Advisory Committee

Increasing Broadband Investment in Low-Income Communities Working Group

Tom Ferree, Connected Nation, Chairman
Claude Aiken, WISA, Vice-Chairman

September 19, 2019
<table>
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<tr>
<th>Name</th>
<th>Organization</th>
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<tr>
<td>Tom Ferree*</td>
<td>Connected Nation</td>
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<td>Claude Aiken*</td>
<td>WISPA</td>
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<td>Elizabeth Bowles*</td>
<td>Aristotle</td>
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<td>David Don* (Goldstein)</td>
<td>Comcast</td>
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<td>Kevin Donnelly</td>
<td>Nat'l Multifamily Housing Council</td>
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<td>Courtney Dozier</td>
<td>Commonwealth of Virginia</td>
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<td>Tom Ellefson*</td>
<td>T-Mobile</td>
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<td>Geoff Feiss</td>
<td>Montana Telecom Assoc.</td>
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<td>Marc Ganzi* (Lehv)</td>
<td>Digital Bridge Holdings</td>
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<td>Carlos Gutierrez*</td>
<td>LGBT Tech Partnership &amp; Institute</td>
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<td>Ross Liberman</td>
<td>ACA Connects</td>
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<td>Paul Mitchell</td>
<td>Microsoft</td>
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<td>Karen C. Peterson* (Tiernan)</td>
<td>Nat'l Assoc. of Regulatory Utility Commissioners</td>
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<td>Scott Rudd*</td>
<td>Office of Lt. Governor, Indiana</td>
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<td>Timothy Schneider</td>
<td>Tilson Tech Mgmt.</td>
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<td>Kimball Sekaquaptewa</td>
<td>Santa Fe Indian School</td>
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<td>Tim Walden*</td>
<td>CenturyLink</td>
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<td>Randy Wilson</td>
<td>Airosmith Development</td>
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<td>David Young*</td>
<td>Nat'l League of Cities</td>
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<td>Christopher Yoo*</td>
<td>Special Government Employee</td>
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Develop recommendations for the Commission on new ways to encourage deployment of high-speed broadband infrastructure and services (including at least 25 Mbps/3 Mbps upload fixed and high-quality mobile broadband service) to low-income communities.

1. Identify regulatory and other barriers that deter the development of high-speed broadband infrastructure and services to low-income communities.

2. Recommend actions the Commission should consider taking to increase incentives to invest in deployment of high-speed broadband to low-income communities.

3. Identify barriers to adoption and use of high-speed broadband services in low-income communities.
4. Recommend actions the Commission should consider taking to increase broadband adoption and use among low-income Americans. Examine whether greater broadband adoption rates among low-income Americans would give providers strong incentives to deploy more broadband infrastructure to low-income communities.

5. Recommend best practices for states and localities to encourage deployment of high-speed broadband to low-income communities and to encourage broadband adoption within such communities.

6. Examine and explain how the Commission should identify low-income areas where additional action or reform would most increase broadband deployment.
Low-Income Group Areas of Focus

• Identify **barriers to deployment** of infrastructure & service
• Recommend **actions** to incent greater investment

• Identify **barriers to adoption** & use
• Recommend **actions** to drive greater adoption

• Recommend **best practices** to follow
• How do we **identify** the target areas

*Changes to the Commission’s USF are out of scope of the WG*
Workgroup Design & Leadership

- **WG Kick-off Meeting**: July 31, 2019
- **Weekly engagement**: Wednesdays, 3-5pm ET
- **Resources**: Shared drive being set-up
- **Speakers**:
  - Nicole Turner-Lee, Brookings Institution
  - Hunter Newby, Newby Ventures
  - Angela Siefer, NDIA

- Subgroup 1: **Deployment**
- Subgroup 2: **Adoption**
Subgroup 1: Deployment

Geoff Feiss (Chair), Elizabeth Bowles, Courtney Dozier, Tom Ellefson, Ross Liberman, Karen Charles Peterson, Tim Walden, Randy Wilson, David Young

- Deployment Barriers:
  - Income
  - Infrastructure
  - Density

- Identifying Low-Income Areas
  - Rurality
  - Urban/urban divide & rural/rural divide

- Best Practices
  - Survey of states programs
Subgroup 2: Adoption

Scott Rudd (Chair), Jordan Goldstein (Vice-Chair), Kevin Donnelly, Carlos Gutierrez, Anthony Lehv (Ganzi), Paul Mitchell, Kimball Sekaquaptewa, Tim Schneider, Christopher Yoo

• Key Reasons Adoption Matters:
  – Healthcare
  – Education
  – Employment
  – Inclusion in Society
  – Quality of Life
  – Civic & Government Participation

• Adoption Barriers
  – Cost
  – Digital Literacy & Relevance (rural v. urban approaches)
  – Access to reliable service
STATUS

Subgroup 2: Adoption (continued)

- **Key Data & Research on Adoption Barriers**
  - Census/NTIA– Current Population Survey (NTIA, Digital Nation Data Explorer)
  - American Community Survey
  - Pew Research
  - Other relevant work

- **Best Practices**
  - Catalog existing programs (Gov, Non-Profit, Private)
STATUS

Subgroup 2: Adoption (continued)

• Key Themes to Explore
  – Marketing of existing programs / how agencies can help automate & simplify the enrollment process
  – Identify what federal, state & local barriers exist
  – Identify potential differences b/t rural & urban low-income communities that might lead to different strategies for tackling adoption issues.
  – Effective strategies for various low-income groups (e.g., seniors, veterans, families w/school-age kids).
  – Consider specific data that may help the government, private sector, and non-profit’s act to improve adoption outcomes.
ROAD AHEAD

WG Draft Report Development

- BDAC Meeting 1: June 12, 2019
- BDAC Meeting 2: September 19, 2019
- BDAC Meeting 3: December 2-3, 2019
- WG Rough Draft Report: November 13, 27
- WG Final Rough Draft Report: December 2-3, 2019
Comments & Discussion