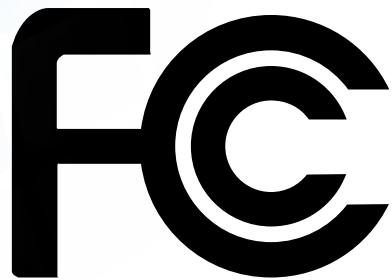




Broadband Deployment Advisory Committee

Overview



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What is the BDAC?

- A federal advisory committee (FAC) chartered under the Federal Advisory Committee Act (FACA)
- Members have been selected to balance the expertise and viewpoints that are necessary to address effectively the issues BDAC will consider.
- Re-chartered for a new term on March 1, 2019
 - ▶ Charter Expires: March 1, 2021
 - FCC can seek to renew for two more years
 - ▶ The BDAC's original charter was effective March 1, 2017 for two years.

What is BDAC's Mission?

- To make recommendations to the Commission on how to accelerate the deployment of high-speed Internet access, or "broadband," by reducing and/or removing regulatory barriers to infrastructure investment and strengthening existing broadband networks in communities across the country.
- BDAC is intended to provide an effective means for stakeholders with interests in this area to exchange ideas and develop recommendations to the Commission on broadband deployment, which will in turn enhance the Commission's ability to carry out its statutory responsibility to encourage broadband deployment to all Americans.

Timeline for BDAC - 2019

- **June 13:** Inaugural meeting
- By the end of June: Start up working groups (WGs)
- July-Aug.: WGs begin initial work on recommendations
- **Sept. 19-20:** BDAC meeting
 - WGs present and discuss progress to date, if appropriate
 - Full committee discusses and provides input on any WG presentations
- Sept.–Dec.: WGs continue to develop and/or finalize their recommendations
- **Dec. 2-3:** BDAC meeting
 - WGs present updates and discuss progress to date to the full BDAC
 - If ready, WGs present recommendations to the full BDAC
 - Full BDAC deliberates and votes on final recommendations

Working Groups Overview

- The WGs are the engines of the BDAC, and are crucially important.
- Each WG should plan to meet frequently, at least once a week.
 - WGs meet via teleconference.
- Every BDAC member is assigned to a WG.
- Each WG includes BDAC members as well as other individuals who applied separately to serve on specific WGs.

BDAC Working Groups

- Disaster Response and Recovery
- Increasing Broadband Investment in Low-Income Communities (new)
- Broadband Infrastructure Deployment Job Skills and Training Opportunities (new)

Working Group: Disaster Response and Recovery

- **Chair:** *Red Grasso (North Carolina Department of Information Technology)*
- **Vice Chair:** *Jonathan Adelstein (WIA)*
- Announced Nov. 2018, renewed Mar. 1, 2019 with the BDAC charter
- Charged with making recommendations on:
 - Measures to improve resiliency of broadband infrastructure before a disaster occurs, strategies to minimize the downtime of broadband networks, and actions to more quickly restore broadband infrastructure during disaster recovery
 - Developing best practices for coordination among wireless providers, backhaul providers, and power companies during and after a disaster

Working Group: Disaster Response and Recovery

Full Working Group Charges:

- Taking into account different types/sizes of broadband providers, develop recommendations on measures that can be taken before a disaster to improve resiliency of broadband infrastructure by:
 - Identifying processes and procedures that can be adopted at all levels of government to encourage deployment of broadband infrastructure that is resilient in the face of disasters;
 - Identifying existing design and deployment standards broadband providers can use to make broadband networks more resilient in the face of disasters;
 - Identifying best practices for governments and private industry in preparing for the impact of disasters on broadband networks;
 - Enhancing the ability of broadband networks and service providers to provide mutual aid during and after a disaster to help ensure that broadband infrastructure benefits from a more effective disaster response and a shorter recovery period;
 - Identifying new data and improving current data gathering on broadband networks to improve emergency response.

Working Group: Disaster Response and Recovery

Full Working Group Charges (con't):

- Taking into account different types/sizes of broadband providers, develop recommendations focused on minimizing the downtime of broadband networks during disaster response by:
 - Improving processes and procedures at all levels of government to expedite access to broadband infrastructure sites, including credentialing, necessary to restore broadband services;
 - Identifying relevant information with respect to broadband networks and services during the disaster response period and best practices for sharing relevant information by and among relevant stakeholders, including federal, state, and local governments;
 - Improving procedures to encourage mutual aid and coordination among broadband providers, federal, state, and local governments, and utilities.

Working Group: Disaster Response and Recovery

Full Working Group Charges (con't):

- Taking into account different types/sizes of broadband providers, develop recommendations to restore broadband infrastructure during disaster recovery by:
 - Streamlining processes and procedures at all levels of government to eliminate barriers to efficient and effective rebuilding of broadband infrastructure and restoration of service;
 - Identifying relevant information with respect to broadband networks and services during the disaster recovery period and best practices for sharing relevant information by and among relevant stakeholders, including federal, state, and local governments;
 - Improving procedures to encourage mutual aid and coordination among broadband providers, federal, state, and local governments, and utilities;
 - Developing resiliency targets for rebuilding broadband networks (e.g., service levels, resiliency levels).
- Develop best practices for coordination among wireless providers, backhaul providers, and power companies during and after a disaster.

Working Group: Increasing Broadband Investment in Low-Income Communities

- **Chair:** *Tom Ferree (Connected Nation)*
- **Vice Chair:** *Claude Aiken (WISPA)*
- Provide advice and recommendations to the Commission on new ways to encourage the deployment of high-speed broadband infrastructure and services to low-income communities.

Working Group: Increasing Broadband Investment in Low-Income Communities

Full Working Group Charges:

- Develop recommendations for the Commission on new ways to encourage deployment of high-speed broadband infrastructure and services (including at least 25 Mbps download/3 Mbps upload fixed and high-quality mobile broadband service) to low-income communities. In developing recommendations on this topic, the Working Group should specifically:
 - Identify regulatory and other barriers that deter the deployment of high-speed broadband infrastructure and services to low-income communities.
 - Recommend actions the Commission should consider taking to increase incentives to invest in deployment of high-speed broadband to low-income communities.
 - Identify barriers to adoption and use of high-speed broadband services in low-income communities.
 - 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 stronger incentives to deploy more broadband infrastructure to low-income communities.
 - 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.
 - Examine and explain how the Commission should identify low-income areas where additional action or reform would most increase broadband deployment.

Working Group: Increasing Broadband Investment in Low-Income Communities

Full Working Group Charges (con't):

- In each case, the Working Group should consider and address the different challenges facing urban areas and rural areas. For example, are there actions the Commission should consider taking that are better-suited to encourage broadband deployment to low-income communities in rural areas as compared to urban areas?
- The Working Group should focus on both the deployment of services to low-income communities that do not presently have high-speed broadband services available and the deployment of additional facilities-based competitive options.
- These charges do not include the consideration of changes to the Commission's Universal Service Fund, the province of the Federal-State Joint Board on Universal Service.

Working Group: Broadband Infrastructure Deployment Job Skills and Training Opportunities

- **Chair:** *Leticia Latino (Neptuno/SmartTecPort)*
- **Vice Chair:** *Rikin Thakker (Multicultural Media, Telecom and Internet Council)*
- Provide advice and recommendations to the Commission and other stakeholders on ways to make more widely available and improve job skills training and development opportunities for the broadband infrastructure deployment workforce.

Working Group: Broadband Infrastructure Deployment Job Skills and Training Opportunities

Full Working Group Charges:

- Develop recommendations to make more widely available and improve job skills training and development opportunities for the broadband infrastructure deployment workforce. In developing recommendations on this topic, the Working Group should specifically:
 - Identify any gaps in broadband infrastructure deployment skills that could inhibit the pace of deployment of fixed and mobile broadband connectivity across the nation.
 - For each issue identified, formulate possible solutions that stakeholders could implement. Proposed solutions, to the extent possible, should be adaptable and scalable to different deployment areas and technologies to encourage widespread adoption.
 - Recommend possible steps that stakeholders could take to attract more skilled professionals to join the broadband infrastructure deployment workforce.
 - Identify any existing job skills and training programs that could serve as a model for stakeholders in developing measures to bridge any skills gaps in broadband infrastructure deployment.
 - Recommend possible performance metrics to gauge the effectiveness of existing and future job skills and training programs and develop steps that can be taken to continually improve the effectiveness of such programs.

Working Group: Broadband Infrastructure Deployment Job Skills and Training Opportunities

Full Working Group Charges (con't):

- In each case, the Working Group should consider and address different challenges facing rural and urban areas. How can all parties help ensure that there are enough skilled workers to deploy broadband in both rural and urban areas? To the extent possible, the Working Group's recommendations should be in the form of concrete steps and procedures that the Commission and other stakeholders could adopt. The Working Group's recommendations will aid the Commission in its efforts to encourage the deployment of high-speed broadband to all Americans.

Questions?

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