

Alabama Statewide Broadband Mapping Program

Alabama Department of Economic and Community Affairs (ADECA)

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Agenda

- Statewide Mapping Program Overview
- ISP Data Request Format and Content
- Data Sharing Agreement
- Location Review and Challenge Process
- Q&A

Statewide Mapping Program Overview

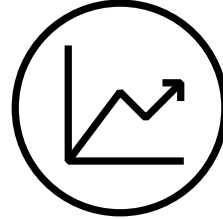
Statewide Broadband Mapping Program

Goals and Objectives



Identify Unserved Areas

- Identify the remaining areas lacking 25/3 coverage
- Identify areas yet to be built using funds from current programs (Alabama and federal)
- Identify key locations and anchor institutions lacking broadband



Tool for Serving Unserved Areas

- Help to improve broadband planning efforts
- Encourage participation by minimizing ISP effort
- Prepare ISPs for the FCC mapping requests



Supports Collaboration with ADECA and Among ISPs

- Data sharing by both ADECA and ISPs builds a viable map
- Help to avoid future conflicts between ISPs and between an ISP and the State

Public-Facing Map

- Served and unserved addresses within census blocks
- A served census block shown
 - Has 80% of addresses within the census block served by 25/3 or better
 - Can be a combination of two or more ISPs within the census block
- Designates technology - wireline, mobile, fixed wireless, satellite
- Areas funded by other programs (ADECA Accessibility Program, RDOF, ReConnect, etc.)
- Anchor institutions
- No ISP details

Internal-Facing Map

- All layers in public-facing map
- ISP detail within census block
 - List of ISPs who serve
 - Highest speed associated with each ISP
 - Latency performance
- Will be used by ADECA for
 - Policy guidelines
 - Investment decisions

Data Sharing Request

Data Sharing Request Process

- Simple spreadsheet
- Simplified version of what you will be required to submit to the FCC for the Digital Opportunity Data Collection (DODC) program
- Address-based information
 - ADECA provides the addresses estimated to be within your service area
 - You provide:
 - Corrected address list (add/delete addresses)
 - Technology type
 - Maximum download speed in Mbps
 - Maximum upload speed in Mbps
 - Whether latency is less than or greater than 100 ms
- Protected by a Data-Sharing/Non-Disclosure Agreement (DSA)

Data Request Format

Spreadsheet-based data submission with standardized addresses and other information pre-populated by ADECA

<u>CensusBlock</u>	<u>StreetAddress</u>	<u>Unit</u>	<u>City</u>	<u>State</u>	<u>Zip</u>
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Additional data provided by the ISP directly in the spreadsheet

<u>TechCode</u>	<u>MaxDownload</u>	<u>MaxUpload</u>	<u>Latency100ms</u>
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This initial data request closely resembles the FCC's Digital Opportunity Data Collection Program, but with fewer requirements for ISPs

Data Requested from ISPs

Similar to Current FCC Requirements

- **TechCode** - Category of technology for the provision of Internet access service used by the portion of the connection that would terminate at the end-user location (premises).
- **MaxDownload** - The maximum download speed in Mbps that is currently available at the specified location or that can be made available at that address within 10 days upon customer request with no additional installation cost to end user
- **MaxUpload** - The maximum upload speed in Mbps that is currently available at the specified location or that can be made available at that address within 10 days upon customer request with no additional installation cost to end user
- **Latency100ms** - Whether the network round-trip latency associated with each maximum speed combination reported for a particular address is less than or equal to 100 ms, based on the 95th percentile of measurements

Using the FCC's TechCode Categories, Plus Mobile Wireless

- Asymmetric xDSL
- ADSL2, ADSL2+
- VDSL
- Symmetric xDSL
- Other Copper Wireline (all copper-wire based technologies other than xDSL; Ethernet over copper and T-1 are examples)
- Terrestrial Fixed Wireless
- Mobile Wireless – 4G LTE
- Mobile Wireless – 5G
- Mobile Wireless - Other

- Cable Modem – DOCSIS 1, 1.1 or 2.0
- Cable Modem – DOCSIS 3.0
- Cable Modem – DOCSIS 3.1
- Cable Modem – DOCSIS 4.0
- Cable Modem other than DOCSIS 1, 1.1, 2.0, 3.0, 3.1 or 4.0
- Optical Carrier / Fiber to the end user (Fiber to the home or business end user, does not include “fiber to the curb”)
- Electric Power Line
- Satellite
- Other

If different technologies could be used in the two directions of information transfer (downstream and upstream), connection in the technology category for the downstream direction should be provided.

Data Sharing/Non-Disclosure Agreement

- Must be executed by both you and ADECA prior to the State's data request submission
- Voluntary disclosure of data to ADECA
- Mutual confidentiality
 - ISP will protect address level information and not use address data for any other purpose
 - State will protect address level performance data and ISP company information, and will not use data for any other purpose
- Defines what will be made public
- Address-specific information from you will be used for the development, refinement, and maintenance of the Mapping Program

Map Data Location Review and Challenges

Location Review / Challenge Process

Based on FCC's Digital Opportunity Data Collection (DODC) Challenge Process



Location Review / Challenge Process



- ***Multi-address challenges***

- Complete form
- Provide info about methods used to identify availability

- ***Individual address challenges***

- Complete form
- Provide evidence of contacting ISP(s) and been denied service at claimed speed (screengrabs, records, etc.)

Location Review / Challenge Process



- **Multi-address challenges**

- Complete form on website
- Provide info about methods used to identify availability

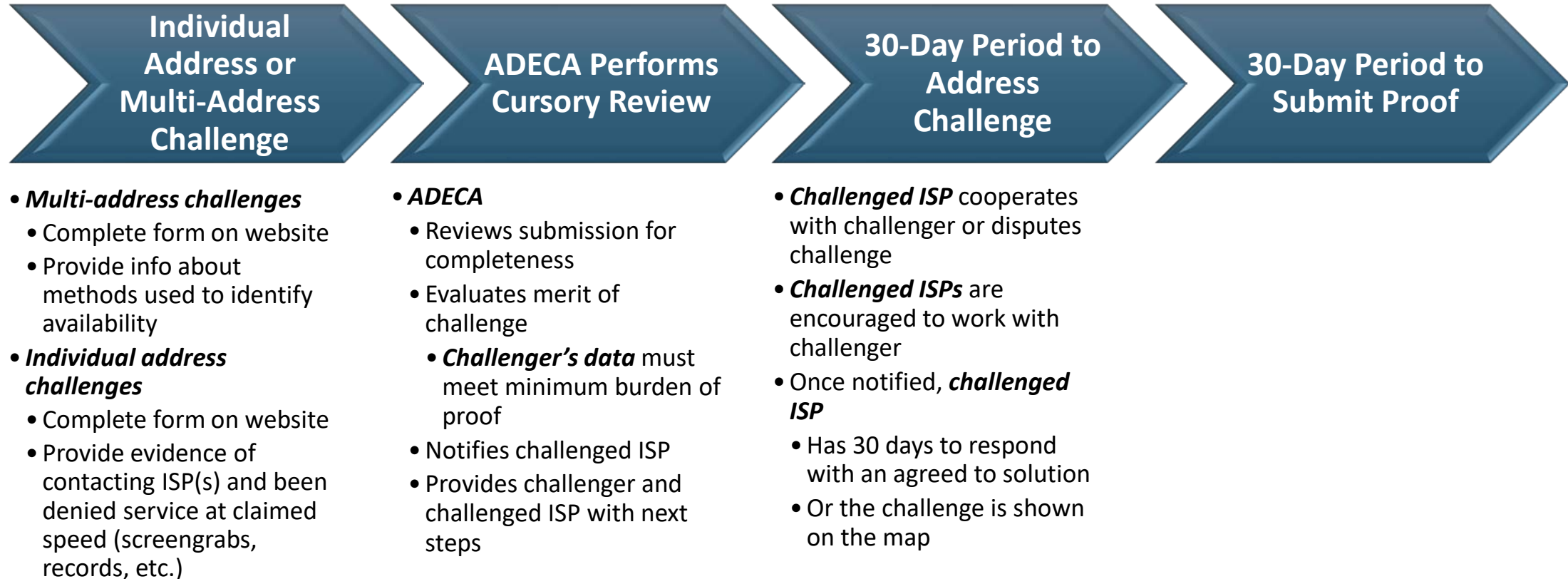
- **Individual address challenges**

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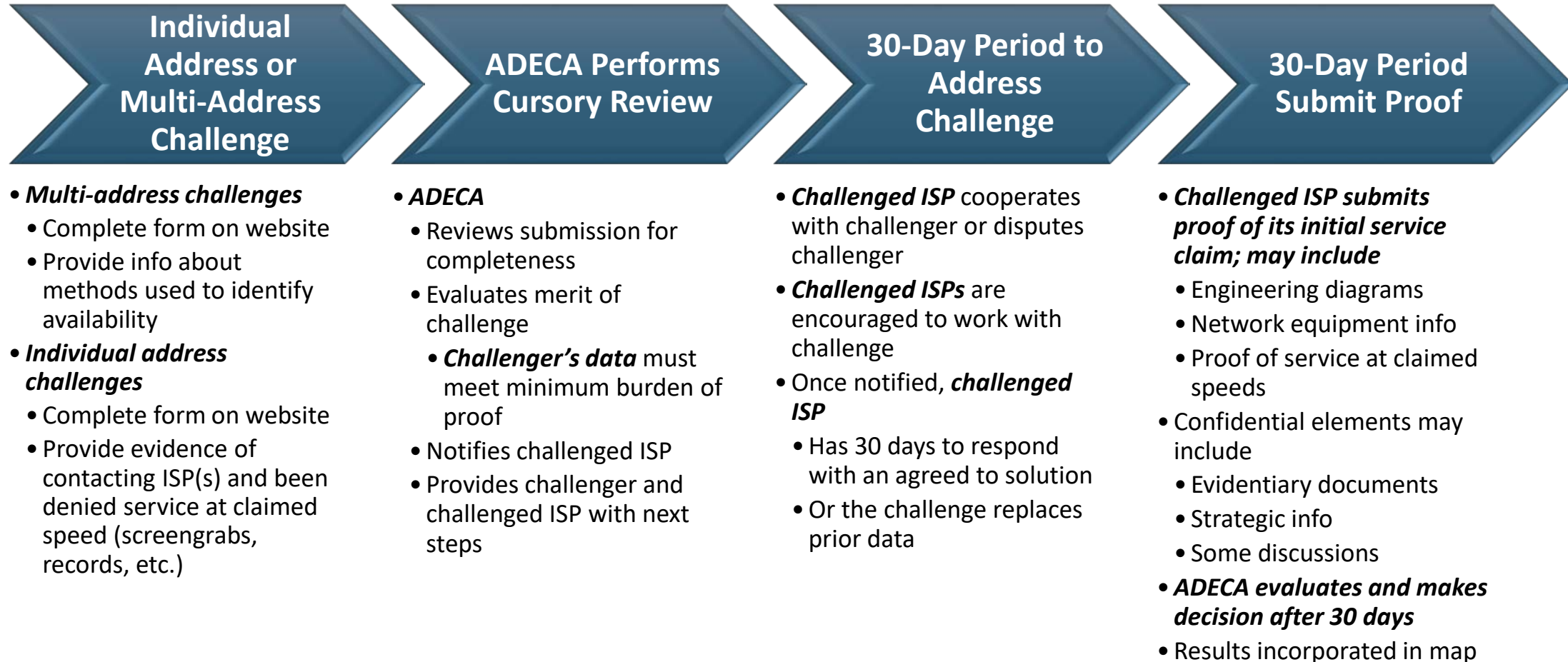
- **ADECA**

- Reviews submission for completeness
- Evaluates merit of challenge
 - **Challenger's data** must meet minimum burden of proof
- Notifies challenged ISP
- Provides challenger and challenged ISP with next steps

Location Review / Challenge Process



Location Review / Challenge Process



Questions?

Thank you!

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A recording of this workshop will be available on the ADECA Broadband Alabama website.

<https://adeca.alabama.gov/broadband/>
