Opening Remarks

Tracy Doaks
Secretary &
State Chief Information Officer
COVID-19 Update

Tracy Doaks
Secretary &
State Chief Information Officer
Legal Update

Jonathan Shaw
General Counsel
Bylaws for Consideration
I-9 Requirement
I-9 Completion Process

• Download the I-9 Form. Instructions for completing the form are here. Board member completes Section 1 Employee Information and Attestation providing all required information. Sign and date the form using June 5, 2020 for the date.

• Review the Lists of Acceptable Documents (see I-9 Form on page 3). Select one document from column A OR one document from both columns B and C. All documents you wish to present must be unexpired. Make a clear photocopy of all documents you wish to present.

• To ensure secure transmission, use your NC.gov email address to send the three-page I-9 Form and every page of the documents you are presenting to demonstrate both identity and employment authorization to kImberly.sprague@nc.gov.
I-9 Completion Process

• Deadline to fax or email all documentation is close of business June 9, 2020.
• Kimberly Sprague will review and complete the I-9 process by close of business June 10, 2020.
• All documentation will be stored in a secure manner.

Please note: Identity and employment authorization documents are required to be physically examined. NCDIT’s will coordinate with the Board to complete the physical examination of the documents at a future onsite board meeting.
NCDIT Overview
Part II

Tracy Doaks
Secretary &
State Chief Information Officer
Broadband Infrastructure Office
& N.C. 911 Board

Jeff Sural
Broadband Infrastructure Office Director
Vision

Every North Carolinian should be able to access affordable, reliable high-speed internet anywhere, at any time.
State Broadband Goals

- Increase the percentage of households with access to broadband to 100 percent by June 2021
- Increase the percentage of households with access to fiber optic cable to 50 percent by June 2021
- Increase household adoption rates to over 60 percent by June 2021
- Affordable access to the internet outside of school for 100 percent of K-12 students by June 2021
- Ensure high-speed internet access is available at all libraries by 2020
- A state-wide model for the development and deployment of local, community-based digital literacy programs
Broadband Availability

94.8%  NC Households with Access

93.5%  US Households with Access
FCC’s 2019 Broadband Deployment Report

Provider Reported Population Served with at least 25 Mbps Download and 3 Mbps Upload
NC Broadband Technology Inventory

Advertised Speeds of at Least 25 Mbps Download and 3 Mbps Upload
Broadband Availability and Quality Index Indicators:
• Population with access to 25/3 Mbps broadband service
• Population with access to 100/20 Mbps broadband service
• Population with access to fiber
• Housing units built in 2010 or later
• Population with access to no providers
• Population with access to DSL only
• Ratio of upload to download median advertised speeds
• Households per square mile
Measuring the Digital Divide
Broadband and Digital Equity Data to Know
Broadband Adoption

The percentage of the population that subscribes to a broadband service
2017-2018 Broadband Adoption Rates

ADOPTION AT ANY SPEED

US: 78.3
NC Hispanic/Latino Origin: 85.1

ADOPTION, 25/3

US: 59.4
NC Hispanic/Latino Origin: 60.2
Importance of Adoption

- High levels of broadband availability are associated with lower total unemployment.
- High levels of broadband adoption in nonmetropolitan counties are positively associated with higher numbers of businesses and jobs.
Common Barriers to Broadband Adoption

- Cost
- Relevancy
- Access
- Digital Literacy
Broadband Adoption Potential Index Indicators:
• Households with a DSL, cable or fiber-optic subscription
• Population ages 18 to 34
• Population age 25 or more with bachelor’s or more
• Households with children
• Workers age 16 and over working from home
• Population ages 65 or over
• Households with no internet access
• Households with no computing devices
• Population in poverty
• Noninstitutionalized population with a disability
• Households with limited English
Closing the Digital Divide
Through Programs, Policy & Tools
Approach to Digital Inclusion

- Use Data and Best Practices
- Create Scalable Models
- Holistic Programs
- Strategic Alignment
- Creative Opportunities
- Collaborate with and Support Experts
Quantifying the Homework Gap

Surveyed households with **no** internet access at home

- 90%
- 10%

Surveyed households with internet access at home

“Very Comfortable” Respondents:

- Parent’s comfort level using digital devices for work: 67%
- Student’s comfort level using digital devices for homework: 55%

67% of those without internet access cite cost as the primary reason.
A Better-Connected North Carolina
Executive Order No. 91

- Issued in March 2019 by Governor Cooper
- Established a Task Force on connecting North Carolina, promoting expansion of access to high-speed Internet and removing barriers to broadband infrastructure installation
  - Comprised of state cabinet agencies
  - Presented recommendations to Gov. Cooper in January
  - Statewide Dig Once policy
Growing Rural Economies through Access to Technology (GREAT) Grant

- No more than one grant award per county (applications should target one county)
- A single grant award shall not exceed $2,000,000
- Provide minimum speeds of 10/1 Mbps
- Deployment of speeds of 25/3 Mbps or greater is encouraged
- Matching funds required
- 5-Year Service Agreement (including deployment period)
GREAT Grant Awards
Internet Connectivity Survey for NC Farmers

The North Carolina Broadband Infrastructure Office, with the Friday Institute at NC State University, is conducting a five-minute survey* to gather data on internet connectivity from North Carolina farmers. The data will be used to inform research, policy and funding recommendations to assist communities where internet access is inadequate.
Broadband Community Playbook

Broadband Planning Committee
  • Establish coordination and clear goals

Assets & Needs
  • Demand aggregation, market analysis, vertical & other assets to gain more granular data

Connecting with Provider Partners
  • Through BIO, connect communities with partners who offer strategies for deployment

Policy & Broadband
  • Identify related local ordinances and opportunities to take advantage of existing State or county infrastructure

Building the Network
  • Establish RFPs/RFIs and identify funding sources
FirstTech

- Vision - To create a North Carolina where all responders can seamlessly and securely communicate using advanced technologies
- Mission - To serve North Carolina’s responder community through thought leadership, direct experience, and unbiased information to support responders’ understanding, adoption, and usage of the best technologies available
- Approaching technologies that are being used by emergency management, law enforcement, 911, fire, emergency medical services, and other responders) to serve as a collaboration effort between such disciplines
FirstTech Strategic Plan

- NCDIT Push to Talk RFP, FCC Broadband Deployment Advisory Committee, DHS Cyber Security Infrastructure Security Agency Emergency Communications Division Technology support for responders
- NC Emergency Management
- SBI, Charlotte FD, UNC-TV
- National Telecommunications and Information Administration’s State and Local Implementation Grant Program
  - $1.2m limited activities
  - Travel Scholarship, Workshops, Coverage Analysis
About the N.C. 911 Board

• Created by N.C. General Assembly in 2007; became part NCDIT in 2014 when department was created

• Responsible for policies and procedures for wireline and wireless 911 communications in NC

• Administers the state’s 911 Fund used to support equipment purchases for the state’s 127 public safety answering points (PSAPs)/911 call centers

• Implementing Next Generation 911 (NG911) to ensure citizens can access 911 services regardless of location or technology
  • Transitioning from legacy 911 to Internet Protocol (IP)-based system for routing digital information (i.e. cell phone calls, text messages)
  • Will provides interoperability, increased security and improve the efficiency and effectiveness of emergency response
  • Contracted with AT&T for implementation of statewide Emergency Services IP Network – ESInet – and hosted call handling system.
ESInet Migration Status
Government Data Analytics Center

John Correllus
Chief Data Officer
Who We Are

**Vision**
Trusted partner and leader for enabling the sharing of data assets

**Mission**
Transform data into information to facilitate decision support, increase operational efficiencies, and improve outcomes for the citizens of North Carolina by integrating and sharing data assets
Our History

- Directed the Criminal Justice Pilot
  - April 2008 Strategic Plan for Data Integration
  - SL2007-323, HB1473

- Directed the Rollout of CJLEADS
  - July 2010 CJLEADS Pilot Wake County
  - SL2008-107, HB2436

- Initiated the Fraud Waste Detection System
  - September 2011 CJLEADS Full Deployment
  - SL2010-31, HB897

- Established the Government Business Intelligence Center (GBICC)
  - December 2013 NCFACTS Fraud and Compliance Release
  - SL2011-145, HB200

- Renamed to the Government Business Analytics Center (GDAC)
  - July 2014 Transferred to SCIO
  - SL2012-142, HB950

- Business Intelligence, Master Data Management
  - SL2013-360, SB402

- Established the State Health Information Exchange
  - March 2016 Health Information Exchange
  - SL2014-100, SB744

  - SL2015-241, HB97
Functional Areas

Enterprise Data Governance

Enterprise Data Management

Enterprise Entity Resolution

Enterprise Geospatial

Analytics and Visualizations

Criminal Justice and Child Safety

Financial Transparency, Fraud and Compliance

Longitudinal and Performance

Healthcare

Incorporate data, information, knowledge across areas of focus
Delivery Approach

- Data Management
- Analytics
- Challenges and Opportunities
- Partner and Share

- NORTH CAROLINA

- Growth Chart
Building a Strong Foundation

- **Business Intelligence** - The process of collecting, organizing, sharing, and analyzing data through integrated data management, ... to make more informed decisions.

- All State agency business intelligence requirements, including any planning or development efforts associated with creating BI capability, as well as any master data management efforts, shall be implemented through GDAC.

- The State Chief Information Officer shall ensure that State agencies use the GDAC for agency business intelligence requirements.

**Data-Driven Government**

Authority § 143B-1385

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- The State Chief Information Officer shall ensure that State agencies use the GDAC for agency business intelligence requirements.
Key Priorities

- Expand the Health Information Exchange
- Modernize the Educational Longitudinal Data System
- Increase Use of Data and Analytics Across All Domain Areas
- Extend the Enterprise Entity Resolution Initiative
- Develop and Leverage Data as a Service (API’s)
COVID-19 Activities

• Health Information Exchange
  • Expanded Connections and Data Services
  • Implemented a Cohort Monitoring Tool
  • Developing Data Extracts Supporting Public Health

• Operational Reports and Dashboards Development

• Enterprise Entity Resolution Cross Matching Activities

• Developed Geospatial Displays and Analysis
General Discussion