

Public Private Partnership for Enhanced Statewide Road Network Data & Addresses

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Agenda

- Public Private Partnerships
 - Commercial & Commonwealth Partnership Overview
 - Collaborating: Understanding the Issues and Capabilities
- NAPSG Case Study
 - Purpose of Case Study
 - Technical Findings
 - Governance Findings

Commercial & Commonwealth Partnership overview

Objectives of Partnership

Commonwealth Objectives

Ensure Commercial maps reflect states mapping work

A routable statewide transportation database

Statewide license of commercial data for agencies

Nokia Objectives

Collaborate with government to acquire high quality address data

Faster improvement in non urban areas

Long term processes established to work with state.

Local Gov. Objectives

Leverage geospatial work in commercial products.

Routing solution for emergency management

Consistent routing across jurisdictions

How it works!

Draft
Partnership
Agreement

Establish
Workflow
process

Promote the
Benefits to
everyone

Virginia Case Study

The Solution with the Commonwealth

- The contracting vehicle to work together was an Enterprise License Agreement
- The Commonwealth provided it's data for integration with the NAVTEQ Map
- Nokia integrated state changes and provides regular updates to the commonwealth
- Nokia performs quality control and reports inconsistencies back

Benefits of the Program

Virginia State Benefits

- Commercial Map reflect state updates
- Attain state routing attribution
- Enterprise License for all State Agencies
- Acquired border states to Virginia

Virginia Local Benefits

- Updates from local reflected in Commercial map
- Attain local routing attribution
- Third Party reference for over lapping jurisdictions
- Use of Border States or counties

Nokia

- Faster time to market
- Improved Rural areas
- Long term improvement process

Emergency Management

- Same High quality data as Federal Programs
- With faster updates – Quarterly
- Expanded Business Listings
- Can use Commercial Navigation

Lessons Learned

- Nokia Lessons

- Collaboration is mutually beneficial
- Difficult to bring together many diverse datasets
- Time consuming to set up the program and agreements
- Workflow and feedback from states is critical to success
- In the end everyone gains through better and more comprehensive data

- State Lessons

- Collaboration is mutually beneficial
- Allows for new content
- One of the keys to success is local involvement

- Local Lessons

- Education on benefits
- Promote the partnership
- Make it easy

Collaborating: Understanding the Issues & Capabilities

Challenges Building State Datasets

Data Inconsistencies

- Inconsistencies across jurisdictions are difficult to reconcile
- Some agencies have good data but others do not have the resources to build and maintain the data



Specifications

- State sources lack local detail (i.e. naming and addressing information)
- Very few public data sources have dependable routing attributes
- Advanced content such as real-time traffic and truck routing not available



Resources

- Many governments don't have the resources to maintain and verify the data



Key Nokia Capabilities for States

Commercial Capabilities

Consistency – global specification & quality control process

Accuracy - can be folded into GIS systems without spatial correction

Seamless/Borderless – ensure cross jurisdictional support

Rich Data Content – routing and detailed characteristics of the roadway network

Expertise – continuously maintained, field verified, and managed by local GIS experts

Advance Content – real-time traffic and transport data



Nokia Works Closely with Government

Local/County/City

- Nokia works with thousands of local government source providers who regularly provide data



State

- Nokia works interactively with states on the enterprise level



Federal

- Nokia is deployed extensively by federal agencies
 - NGA, DHS, FCC, EPA, etc



Comparison to Other States Model

Similarities

- Coordinated by the State GIS department
- Demonstrated highly effective public-private workflows
- Resulted in better State and NAVTEQ Maps

Differences

- Virginia focused on improving both addressing and routing information
- Other States programs are driven more by addressing and 911 program
- Other programs support PSAP and MSAG programs
- Some Programs have more DOT involvement

Enterprise Data for public safety