

Future Direction of Data Programs

NATMEC

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Data Committee

Future Direction of Data Programs: A Statewide Data Committee Perspective

OUTLINE

- Description of Committee
- Past Peer Exchanges
- Possible Future Peer Exchange Ideas
- T-21 Reauthorization - Critical Issues

Description of Committee

- A1D09 Scope = Research and Technology transfer activities pertaining to statewide planning data and information systems for all modes of transportation
- Committee Make-Up
 - 11 State DOT
 - 6 Federal Government
 - 4 University
 - 2 Consultants
 - 1 Local Government
 - 1 Transport Canada

Statewide Data Committee Partners

- Freight
- Traffic Monitoring
- Urban Data
- Safety
- Travel Survey Methods
- Spatial Data
- Data Integration Committees

Statewide Data Committee Customers

- Planning
 - Performance Measures
- Environment
- Operations

Past Peer Exchanges

- Performance Measures - 08/00
- Data Integration - 03/01
- Enhancing the Value of Data - 07/01
- Impact of Geospatial Technologies on DOT Program Delivery - 03/02

Performance Measures Peer

- THEMES:
 - Data issues
 - Acceptance of performance data
 - Overall agency strategies for using performance data
- FUTURE:
 - Data quality and integrity
 - Data integration
 - Freight, ITS, safety data
 - How are PMs being used?

Data Integration Peer

- THEMES:

- Data integration is a management (not a technology) issue
- Data quality is critical
- Not all data needs to be integrated

- FUTURE:

- Principles/success factors need to be shared
- Continue to elevate issue to many levels

Enhancing Value of Data Peer

- THEMES:

- Connection of data programs to statewide plans
- Data analysis and trends to add value
- Better access and visualization
- Data Gaps

- FUTURE:

- Need new data sources
- New, innovative financing
- Redefine customer
- Integration

Use of GIS/GeoSpatial Technologies in Program Delivery - Peer

- THEMES:
 - Examples where tools have led to improved decision making
 - Implementation issues (including integration)
 - Effective use of national data sets
 - Role of emerging spatial data technologies
- FUTURE
 - Benefits of GIS quantified
 - “Cookbook” of best practices
 - More Federal involvement in issue

Possible Future Peer Exchanges

- State Roadway Information Programs
- Measuring/Evaluating Data Programs
- Data Foundations for Safety Conscious Planning
- Data Systems for Integrating Project Selection for Statewide TIPs
- Data Access in a Security Conscious World
- Data/Operations

T-21 Reauthorization Critical Issues

- Data Gaps
- Data Quality
- Common Standards to Combine Data
- Aging Infrastructure (Monitoring Equipment)
- Human Resources

Questions?

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