

Multi-state Applied Weather Concepts

Version 1.0



Topics

- Parallel course
- The “MOC”
- The Comprehensive Applied Weather Package
- Meteorologists in TOC/TMCs
- Are all Weather Services the Same?
- Q & A

The Parallel
Course



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graph LR; A[The Parallel Course] --> B[State-to-state DOT management shared interests]; A --> C[Commercial commerce management];
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State-to-state DOT
management shared
interests

Commercial commerce
management

Shared Interests

- State DOT
- County
- City
- The National Weather Service

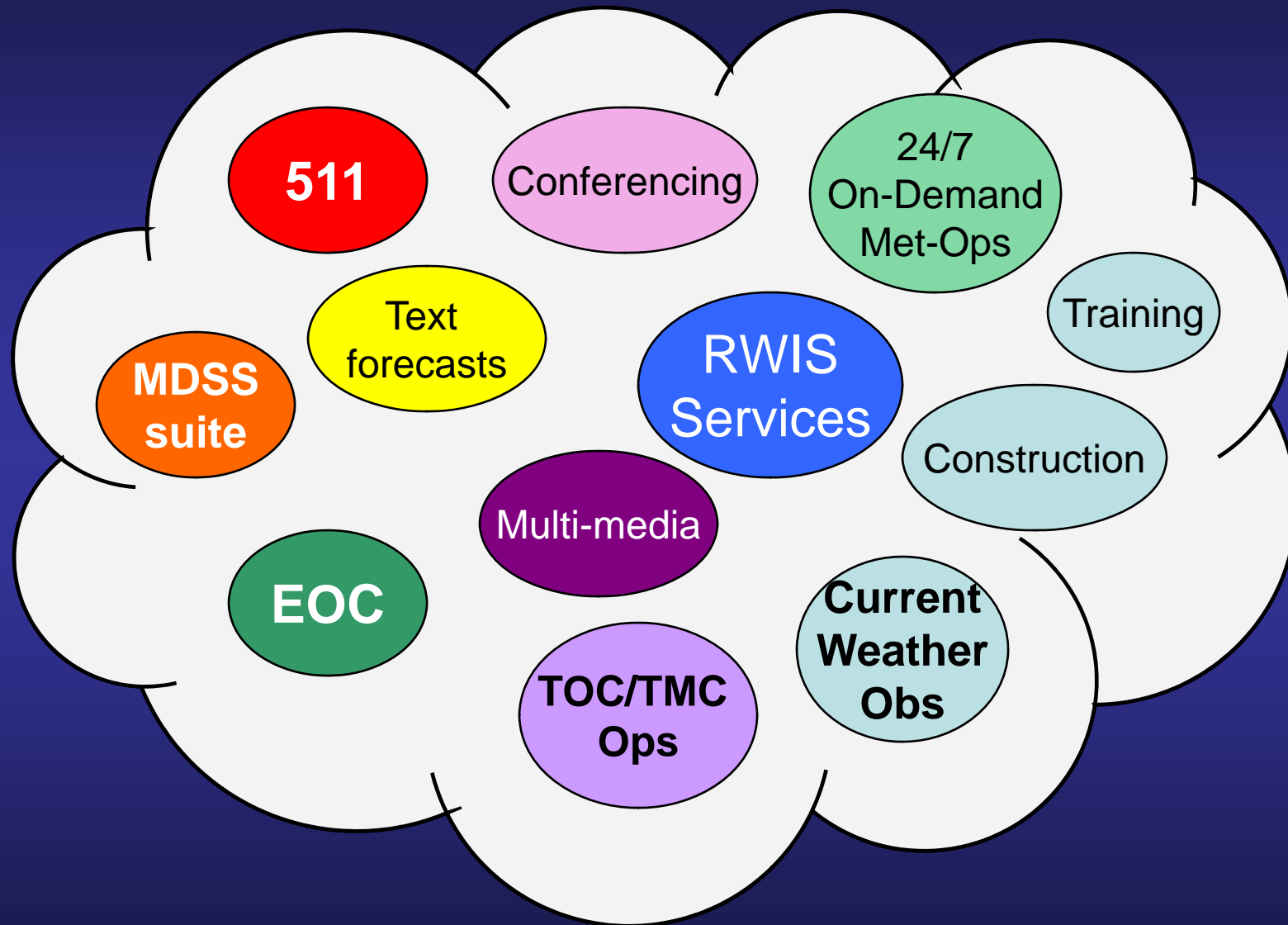
The general focus is consistency of information
to reduce confusion

Commerce Course

- Specific applied services to freight (i.e. the trucking industry)

What does the total MOC package
look like?

The Ideal End-to-End Weather Operations Program



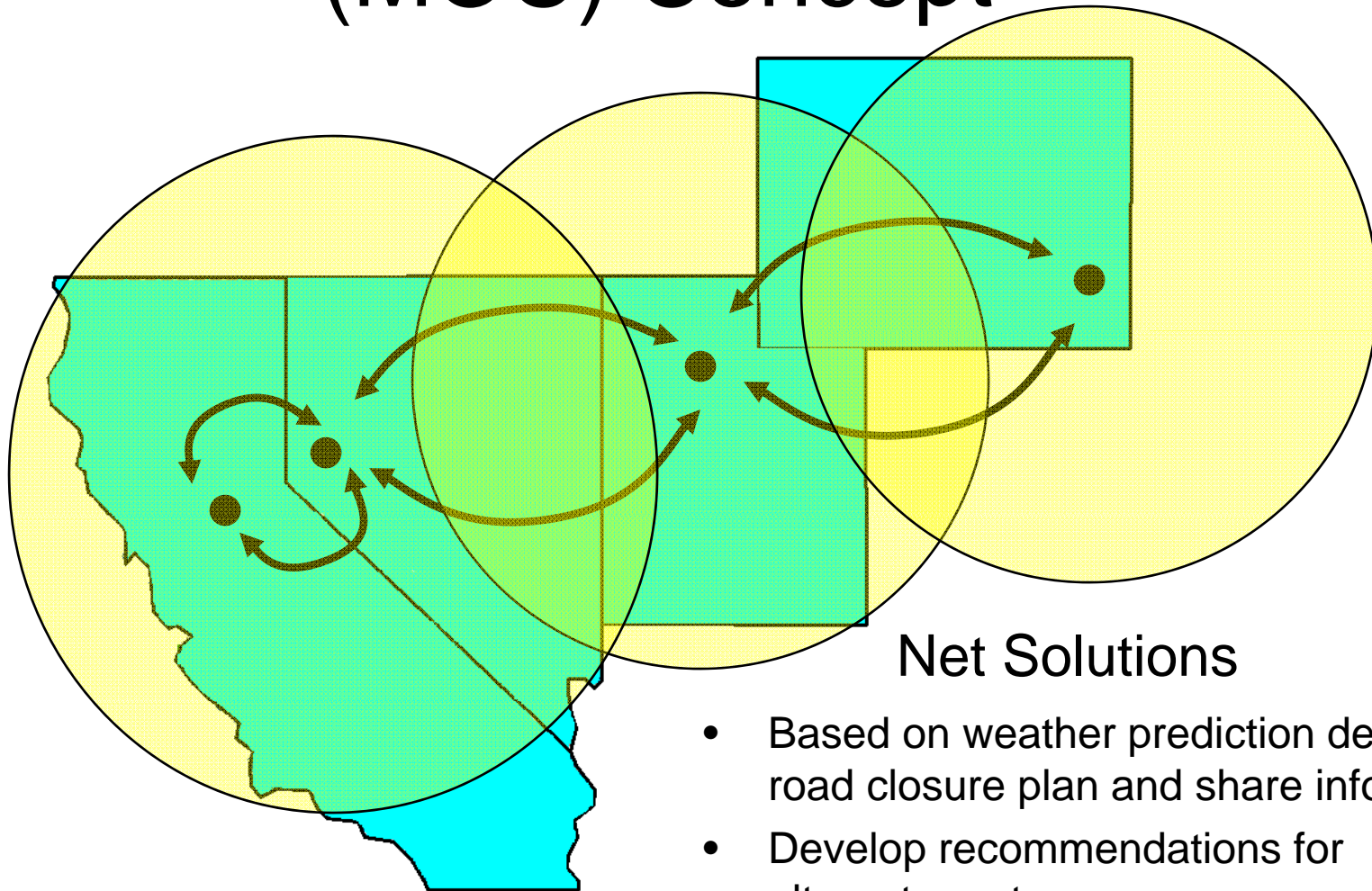
Storm Preparedness Conference



Traffic Operations Center



Meteorological Operation Center (MOC) Concept



- Based on weather prediction develop road closure plan and share info
- Develop recommendations for alternate routes
- Interstate traveler notification plan

MOC

- 24/7/365 statewide road weather forecast program
- Daily Snow-Room supervisory planning
- 24/7/365 statewide road betterment/construction, engineering services
- State patrol integration
- Statewide radio weather operations
- ITS support
- RWIS facility management
- Incident investigations (AG office)
- Technical Advisory Panel (TAC) for maintenance performance
- Hazardous Material (HAZMAT) transportation and clean-up
- Avalanche weather forecast services
- Homeland security (chemical and biological plume dispersion)
- Risk Management
- Research
- Field Training Services
- Interagency planning and coordination for major storm events
- 511 support
- MDSS hybrid integration or DSS development



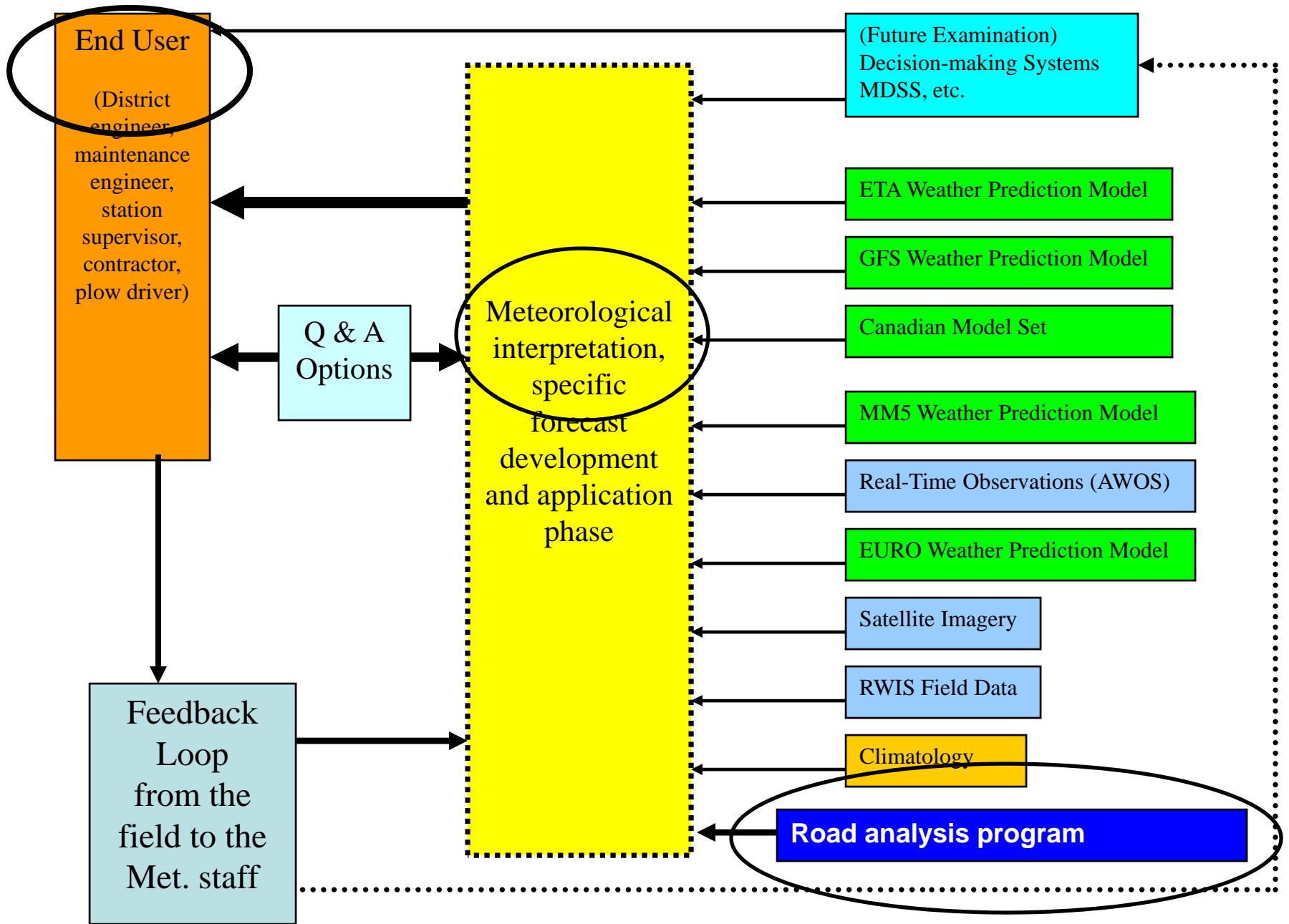
Performance Report February, 2007

Evaluation Of Utah Department of
Transportation's Weather
Operations/RWIS Program

Western Transportation Institute
&
Utah Department of Transportation

Are all Weather Services the Same?

- The simple answer is “No”
- Does the provider have ...
 - the infrastructure to sustain vital 24/7 supporting services for maintenance and OEM?
 - what is the supporting staff experience and training with regard to DOT ops?
 - what is the corporate protocol for adhering to government interests?
- NWS ?



Long Term Funding of MOCs

- Should the cost of specialized applied weather programs be shouldered by DOT or higher levels due broad applicability of services to other agencies outside DOT?

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Hybrid MDSS

