



Maryland Transportation Operations Summit Regional Coordination & Communication

**Richard W Steeg, PE
Regional Operations Director
Northern Region
May 1, 2008**

MATOC Program

Metropolitan Area Transportation Operations Coordination

Regional Function that facilitates: *interagency real-time transportation information and data sharing*, enabling coordinated management of transportation systems, incidents, emergency response, and public information needs

Objectives:

- Provide timely & accurate transportation information to the public especially during incidents
- Improve technological systems for information and data sharing
- Enhance standard operating procedures & notification practices
- Facilitate and maintain regional situational awareness of transportation operations for the NCR
- Drill, exercise, assess regional incident preparedness
- Assess performance and outcomes

MATOC Focus

People who will be responsible to ensure regional coordination and communication for transportation operations

Process for developing and maintaining operational policies, procedures, and protocols to enable effective coordination and information sharing

Technology through RITIS and other means to share timely, accurate transportation systems condition across the region

MATOC Program Background and Status

2005 TPB support, SAFETEA-LU funding through Congressman Moran

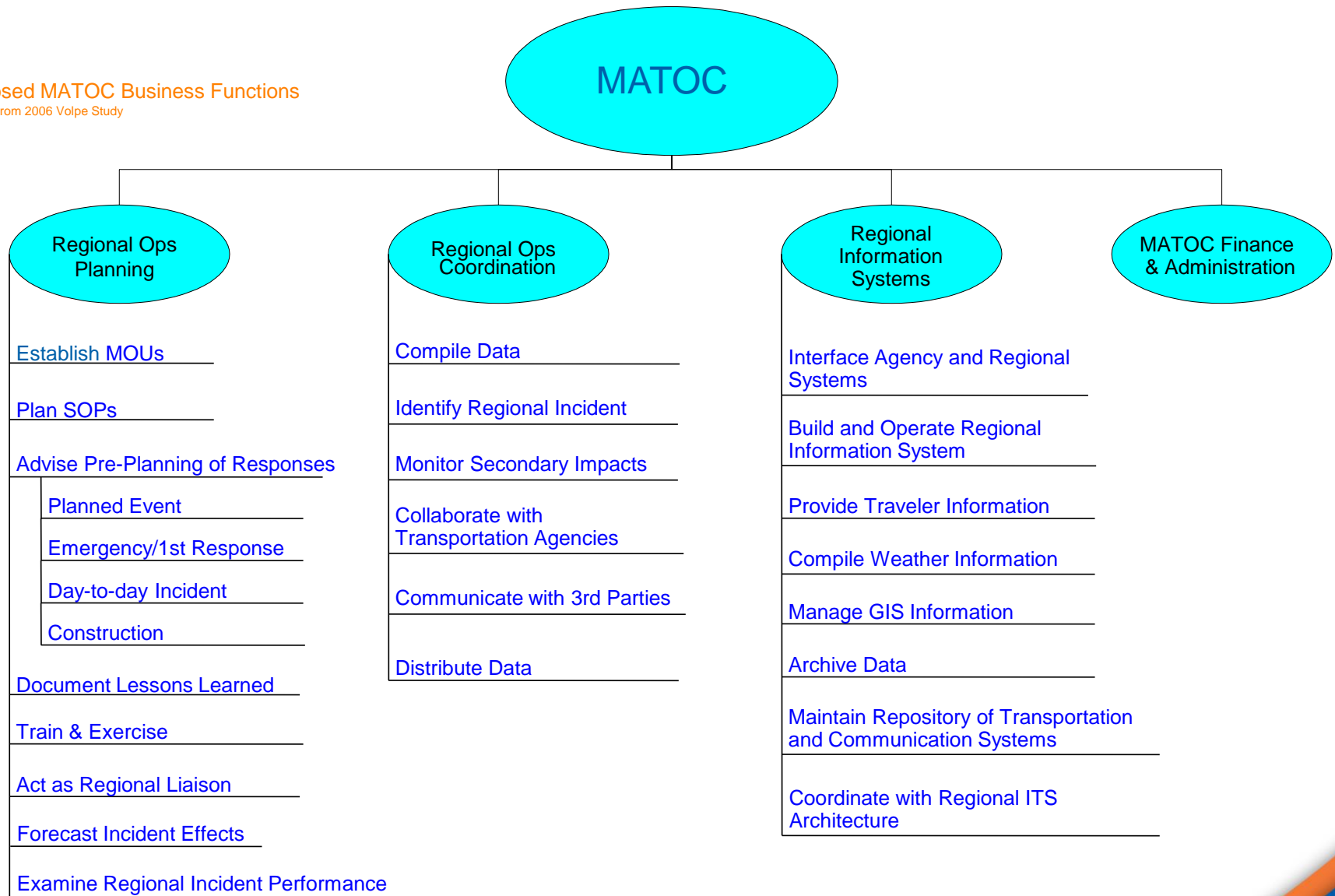
MATOC documents developed and signed spring / summer 2007
MOU, bylaws, funding agreement

Independent entity of its “owners” DDOT, MDOT, VDOT, WMATA

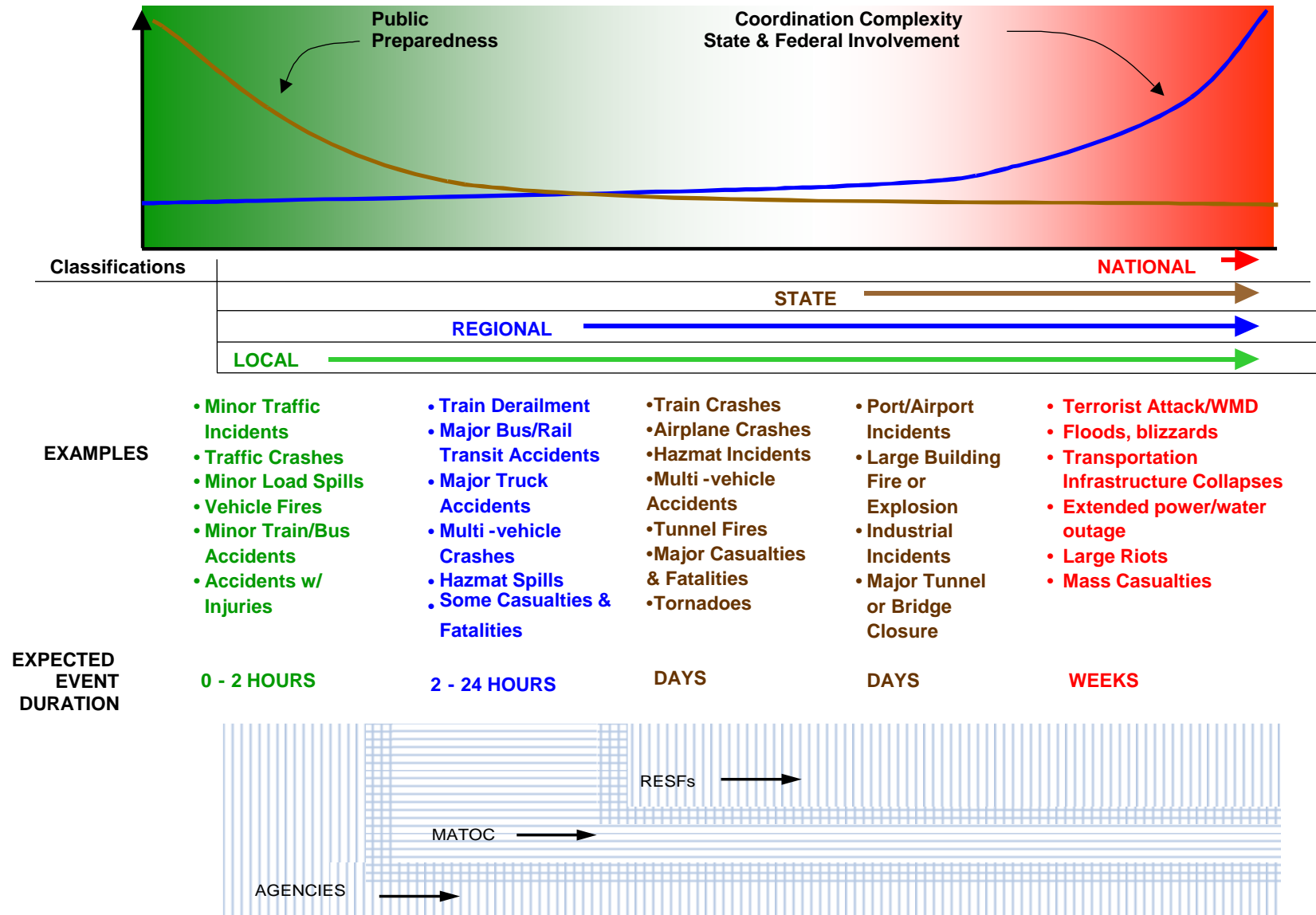
Appointment and Funding logistics finalized spring 2008
Contract for consultant support completed winter 2008
Award to Telvent Faradyne

Official entity with Board and By-laws – March 27, 2008

Development process underway – Concept Strawman by the Volpe Center, USDOT



MATOC in Regional and State/National Incidents



RITIS

The Regional Integrated Transportation Information System

A data fusion system to support MATOC activities by compiling real-time traffic and transit data from agencies around the region, putting it together in a common format, and enabling it to be shared with agencies, the media, and the public

A prototype is now in operation, with many of the envisioned functions, sharing information with several agencies

RITIS Functions to Support MATOC

Transportation data acquisition from
transportation, public safety, and
weather agencies

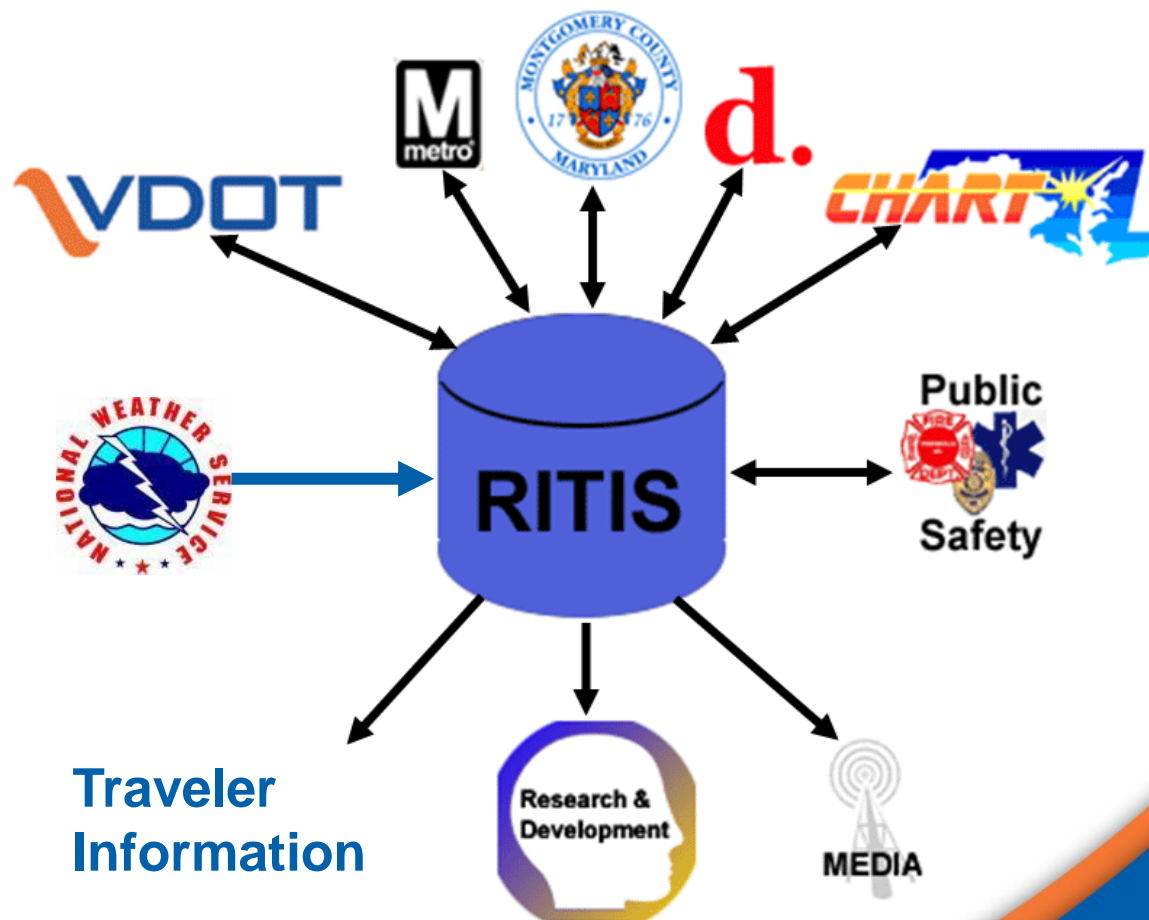
Incidents, Events, Construction, and Related
Information

Real-time information dissemination for:

Incident/traffic mgt.
Traveler information

Archived data for

R&D
Planning
Performance Measures



How Will RITIS/MATOC Help?

Agency Needs	Pre-RITIS/MATOC	With RITIS/MATOC
Cross agency incident notification	Ad hoc – stovepiped agency by agency	Automated, real-time
Situational awareness	Ad hoc – via phone (time permitting)	Automated, real-time
Information dissemination to media/public	Agency by agency	Cross-informed regional information available
Tracking regional impacts	Ad hoc	Cross-informed regional information available
Performance Measures	Per agency	Region-wide performance measures
After Action Reviews	Ad hoc	Via RITIS data archive and visualization tools

