

# Maryland Transportation Operations Summit Regional Coordination & Communication

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### **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

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

<u>Technology</u> 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



Regional Ops
Planning

Establish MOUs

Plan SOPs

Advise Pre-Planning of Responses

Planned Event

Emergency/1st Response

Day-to-day Incident

Construction

**Document Lessons Learned** 

Train & Exercise

Act as Regional Liaison

Forecast Incident Effects

**Examine Regional Incident Performance** 

#### Regional Ops Coordination

Compile Data

Identify Regional Incident

**Monitor Secondary Impacts** 

Collaborate with Transportation Agencies

Communicate with 3rd Parties

**Distribute Data** 

#### Regional Information Systems

MATOC Finance & Administration

Interface Agency and Regional Systems

Build and Operate Regional Information System

**Provide Traveler Information** 

**Compile Weather Information** 

Manage GIS Information

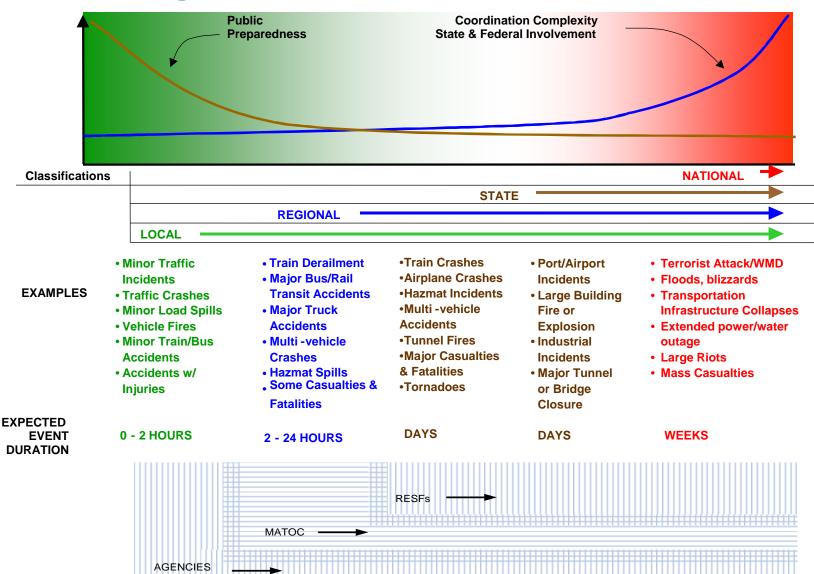
**Archive Data** 

Maintain Repository of Transportation and Communication Systems

Coordinate with Regional ITS Architecture



# 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:

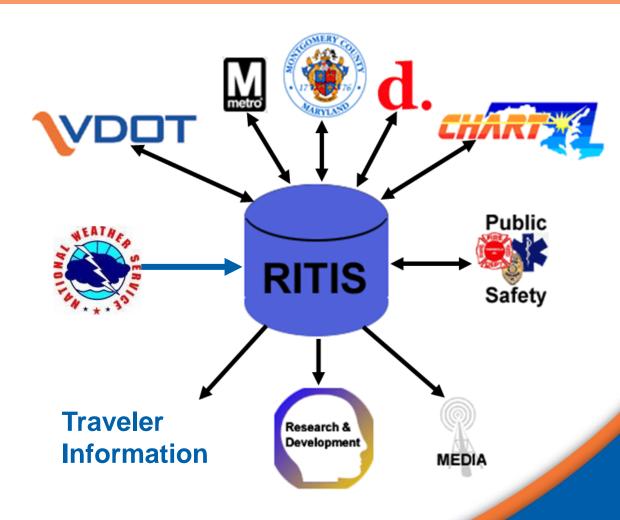
Incident/traffic mgt.
Traveler information

#### Archived data for

R&D

**Planning** 

**Performance Measures** 

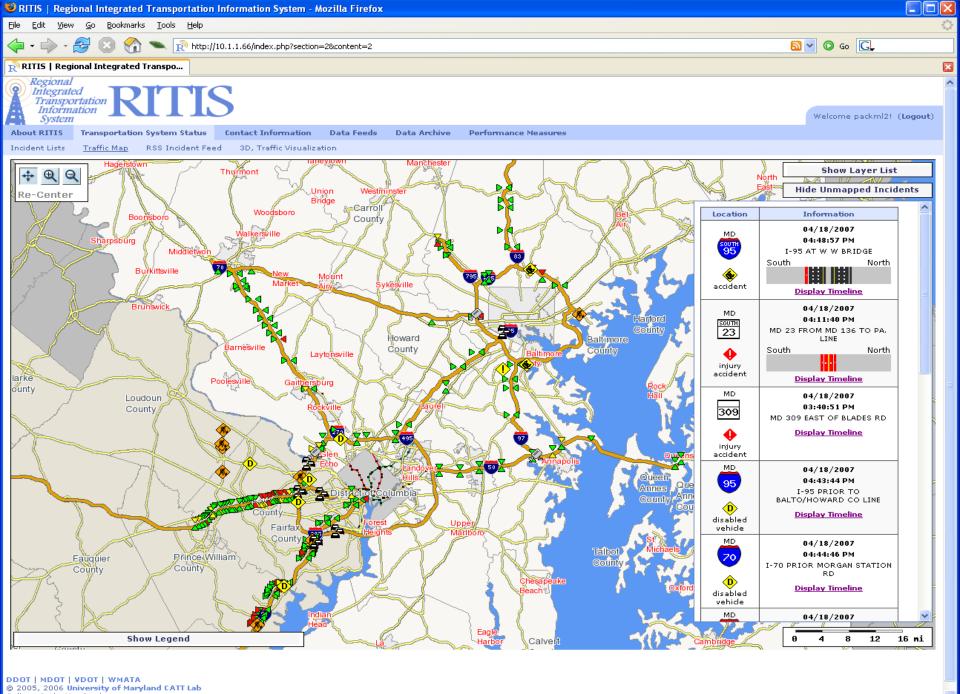




# **How Will RITIS/MATOC Help?**

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





College Park, Maryland http://10.1.1.66/incidentList.php?vflag=1#

