

Item #7

# Draft FY2015 UPWP Systems Management Planning Tasks

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MOITS Technical Subcommittee

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## Overview

### 2. COORDINATION AND PROGRAMS

- A. Congestion Management Process
- B. Management, Operations, and ITS Planning
- C. Emergency Preparedness Planning
- D. Transportation Safety Planning

### H. Freight Planning

- I. MATOC Program Planning Support

### 5. TRAVEL MONITORING

- B. Congestion Monitoring and Analysis

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## 2.A. Congestion Management Process

- Summary:
  - Systematic management of traffic congestion and provision of information on system performance
  - Federally required component of metropolitan planning
- Highlights:
  - Congestion and reliability aspects of performance measurement
  - Examination of congestion management strategies
- New/changed:
  - Address new congestion management-related MAP-21 regulations

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## 2.B. Management, Operations and ITS (MOITS) Planning

- Summary:
  - Integrated strategies to optimize the performance of existing infrastructure through the implementation of multimodal and intermodal, crossjurisdictional systems, services, and projects designed to preserve capacity and improve security, safety, and reliability of the transportation system (MAP-21 definition)
- Highlights:
  - Technology and systems; ITS Architecture
  - Traffic signals, including emergency and resilience information
  - MOITS Technical Subcommittee and Traffic Signals Subcommittee
  - Long-range planning advice to MATOC Program
  - Traveler information/511 systems
- New/changed:
  - Address new MAP-21 regulations related to MOITS
  - Examine roles and impacts of emerging technologies

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## 2.C. Transportation Emergency Preparedness Planning

- Summary:
  - UPWP contribution toward transportation sector's role in overall regional emergency preparedness planning
- Highlights:
  - Transportation Regional Emergency Support Function (RESF), one of 16 such functions
  - Transportation participation in the Urban Area Security Initiative (UASI) and other U.S. Department of Homeland Security-driven activities
- New/changed:
  - Address transportation aspects of revised regional homeland security strategic plan

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## 2.D. Transportation Safety Planning

- Summary:
  - Regional collaboration on safety aspects of the region’s transportation systems
  - Federally-required safety element of the CLRP
- Highlights:
  - Data compilation and analysis
  - “Safety Element” of the CLRP
  - Coordination with Street Smart Campaign (funded outside UPWP)
  - Transportation Safety Subcommittee
- New/changed:
  - Address new MAP-21 safety performance measurement-related regulations

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## 2.H. Freight Planning

- Summary:
  - Regional collaboration on freight aspects of the region’s transportation systems
- Highlights:
  - Freight projects database
  - Jurisdictional freight profiles
  - Freight stakeholder outreach, including private sector
  - Freight Subcommittee
- New/changed:
  - New Regional Freight Plan (deferred from FY2014)
  - Utilize new federal freight performance management data

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## 2.I. MATOC Program Planning

- Summary:
  - TPB planning support for the MATOC Program, for MATOC role in regional operations coordination and information sharing
- Highlights:
  - TPB participation on MATOC Steering Committee
  - Coordination with MATOC operations staff, and MATOC committees on roadways, transit, severe weather, and information systems
  - Coordination with Regional Integrated Transportation Information System (RITIS)
- New/changed:
  - Advising continuous improvement to systems and processes

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## 5.B. Congestion Monitoring and Analysis

- Summary:
  - Supply data for the Congestion Management Process (CMP) and Models Development
- Highlights:
  - Triennial aerial survey of the region’s freeways complements other data sources and provides a valuable photographic record
  - Detailed data analysis in support of CMP on freeways and arterials
  - Compilation of probe-based roadway speeds data
- New/changed:
  - Complete data analysis and publish report from the spring 2014 freeway aerial survey
  - Address related new MAP-21 performance measurement regulations
  - Examine additional emerging probe-based/private sector data sources

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# Comparative Committee Activities

	MOITS	MATOC	RESF-1 Emergency Transportation Committee	TRANSPORTATION SAFETY SUBCOMMITTEE
REPORTING	Advisory subcommittee to the <b>MPO</b> (TPB)	<b>Independent</b> organization with its own Steering Committee made up of state DOTs, WMATA (external to the MPO)	Advisory subcommittee to the <b>COG Board</b> / public safety committee structure (not MPO/TPB)	Advisory subcommittee to the <b>MPO</b> (TPB)
COMMITTEE STRUCTURE	Reports up to <b>TPB Technical Committee</b> ; supported by Traffic Signals, ITS Architecture, and Traveler Information Subcommittees	<b>MATOC Steering Committee</b> (DDOT, MDOT, VDOT, WMATA); supported by Subcommittees on Operations, Transit, Severe Weather, & Information Systems	Reports to <b>COG Public Safety Policy Committee</b> ; coordination as necessary with parallel RESF committees (RESF-2 through RESF-16)	Reports up to <b>TPB Technical Committee</b>
TOPIC AREAS	MOITS considerations in regional <b>long-range transportation planning</b> ; planning for non-emergency transportation operations	<b>Current interagency coordination</b> on transportation operations, incidents, & related information sharing/traveler information	Provide transportation sector input to the regional catastrophic <b>emergency planning process</b> and DHS-driven requirements	Shepherd the <b>federally-required transportation safety element</b> of the long-range transportation plan (i.e. traffic safety)