

TRAFFIC MANAGEMENT CENTERS: CHALLENGES, BEST PRACTICES, AND FUTURE PLANS

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Background

- Traffic management centers (TMCs) monitor and manage the traffic flow and the transportation network, as well as provide traveler information.
- A TMC also functions as the technical and institutional hub that facilitates interagency coordination and integrates a wide range of traffic management strategies.

Purpose

- The success of a TMC directly influences the efficiency of the transportation network, the economic competitiveness of a region, and the quality of life for the communities.
- The goal of this research is to provide an updated and comprehensive scan of current practices in TMC operations.

Objectives

- Update the knowledge in TMC practices in terms of the latest technologies, tools and strategies in addressing the new challenges faced by urban traffic management agencies.
- Establish a general standard in TMC performance, and provide guidelines for future plans.

Project Tasks



- Task 1 Literature review.
- Task 2 Focus area identification and TMC selection
- Task 3 Survey design and implementation.
- Task 4 Benchmark analysis.
- Task 5 Information dissemination and final report.

Project Schedule

Tasks	2013												2014		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Task 1 – Literature Review															
Task 2 – Focus Area Identification															
Task 3 – Survey Design and Implementation															
Task 4 – Benchmark Analysis															
Task 5 – Final Report				Q			Q			Q				D	F

Q: Quarterly Report

D: Draft Report

F: Final Report

Accomplishments To Date

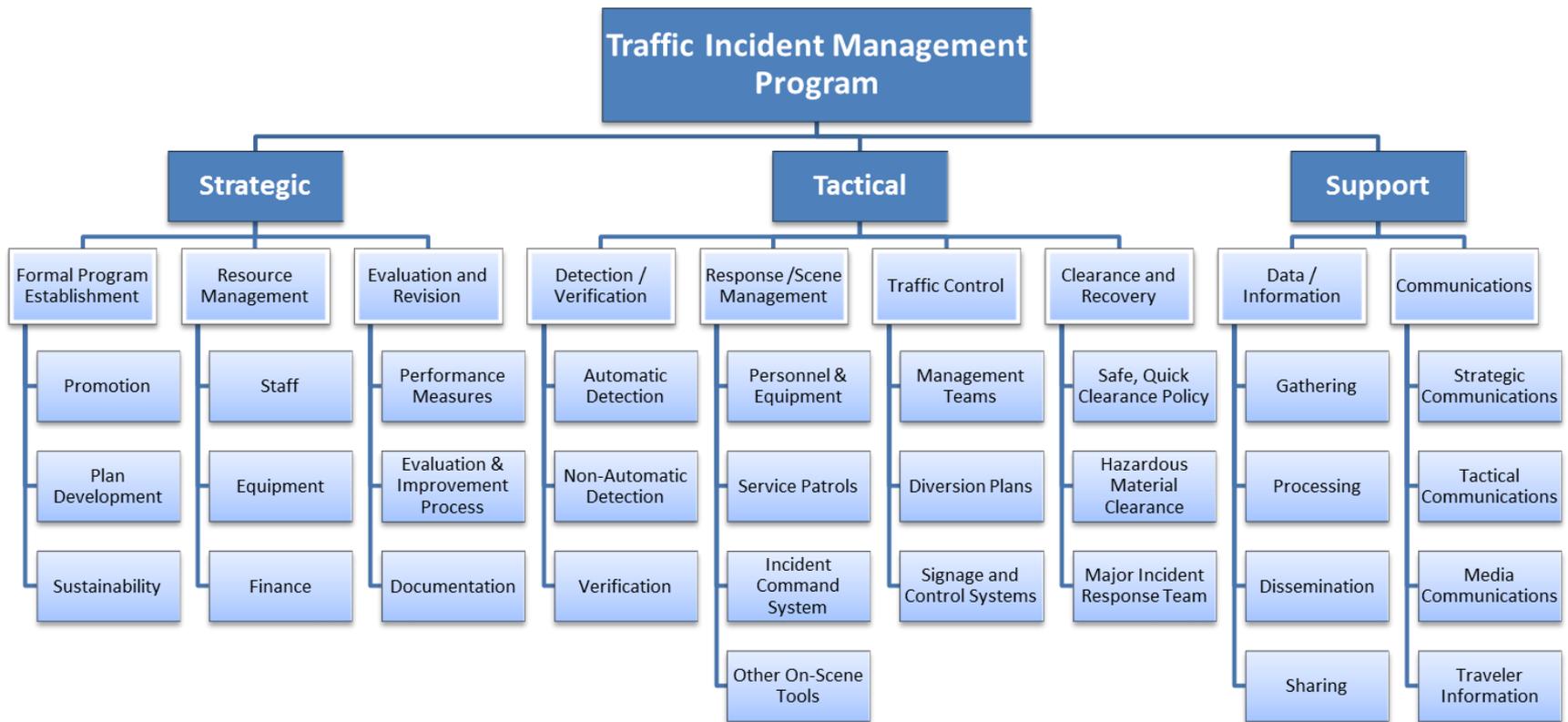
- Task 1 Literature Review
 - ▣ Metropolitan Transportation Management Center Concepts of Operation A Cross-Cutting Study. FHWA-JPO-99-020
 - ▣ TMC Pooled Fund Study with FHWA
http://tmcdfs.ops.fhwa.dot.gov/cfprojects/new_search.cfm?new=2

Accomplishments To Date

- Task 2 Focus Area Identification
 - institutional coordination,
 - incident management,
 - active traffic management strategies,
 - data management, field equipment and communications, and
 - hardware/software maintenance procedures, etc.

Accomplishments To Date

- Development of the TIM assessment framework



Next Steps

- Complete Task 1 and 2
- Survey Design