

FTA

FEDERAL TRANSIT ADMINISTRATION

Moving the Dial on Transit Asset Management: What's Next?

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Federal Transit Administration



Today's Presentation

- Fundamentals of TAM
- Lessons Learned During FTA Rulemaking Process
- What's Next?
- Creating a TAM Culture



**TRANSIT
ASSET
MANAGEMENT**

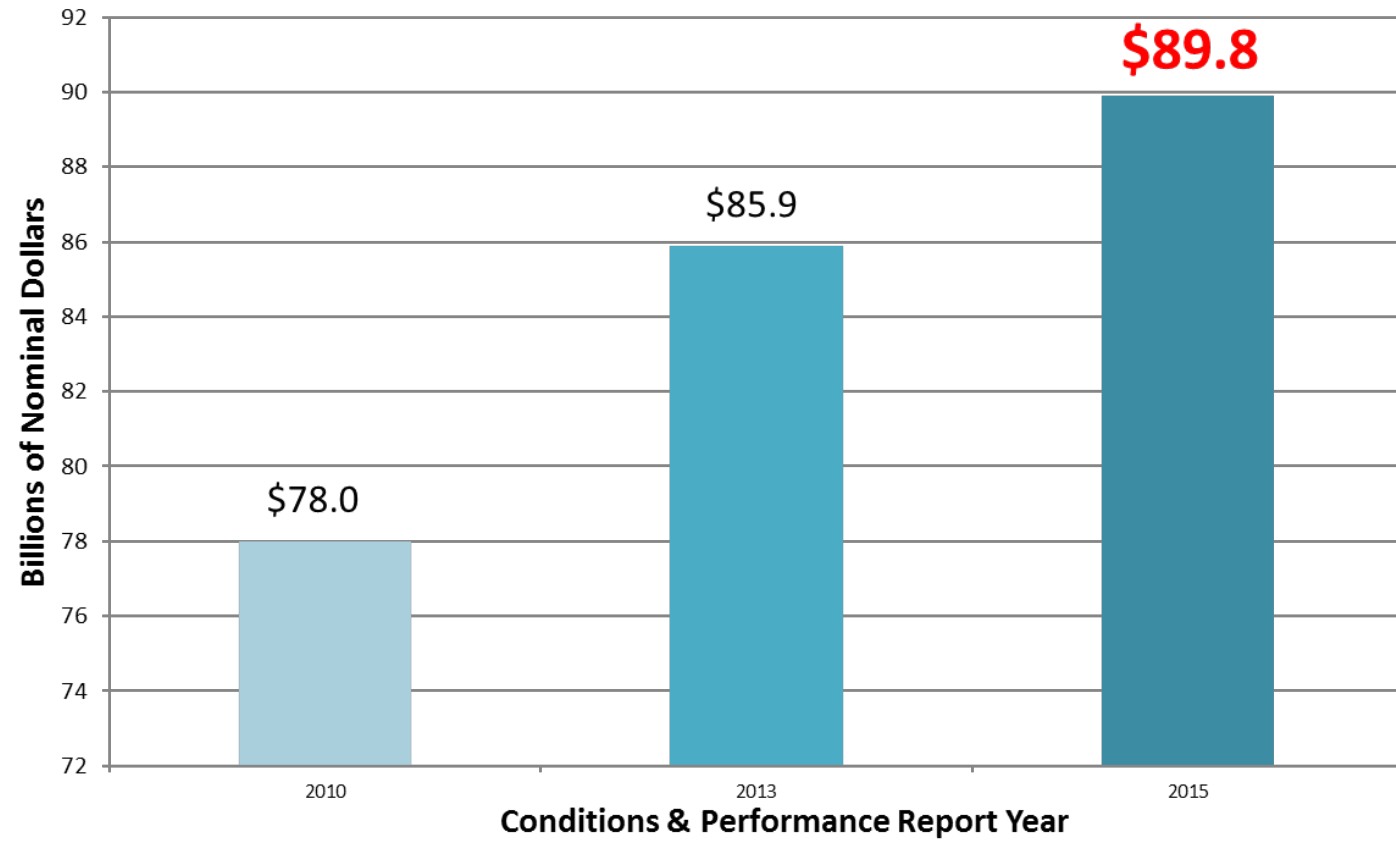
www.transit.dot.gov/TAM

Key Features of the TAM rule

- TAM Final Rule provides a foundation for addressing SGR backlog
 - Simple, Scalable, Structured, and Standard
- Focuses on measuring and monitoring performance and condition
- Minimizes burden on smaller transit providers
- Its a business model that uses the condition of assets to guide the prioritization of funding at transit systems to keep our transit networks in a State of Good Repair (SGR).

FTA Backlog Estimates Since 2010

State of Good Repair Backlog Estimates



Anticipated Benefits of Asset Management

1. Improved transparency and accountability
2. Optimized capital investment and maintenance decisions
3. More data-driven maintenance decisions
4. Potential safety benefits

Significant Phases in the FTA TAM Program

Year	2016	2017	2018	2018-2022
Key Activities	TAM Final Rule Published	Voluntary reports were submitted to the NTD	TAM Plans were due October 1, 2018	TAM Plan Implementation on a 4 year cycle*

** The TAM Plan cycle will begin again after the fourth year*

Regulation provides standardized terminology and measurement

The Two Types of FTA Rule Deliverables

Process

1. Compliant TAM Plan
 - Group
 - Individual Tier I
 - Individual Tier II
2. Recordkeeping & Coordination with Planning
3. Certification

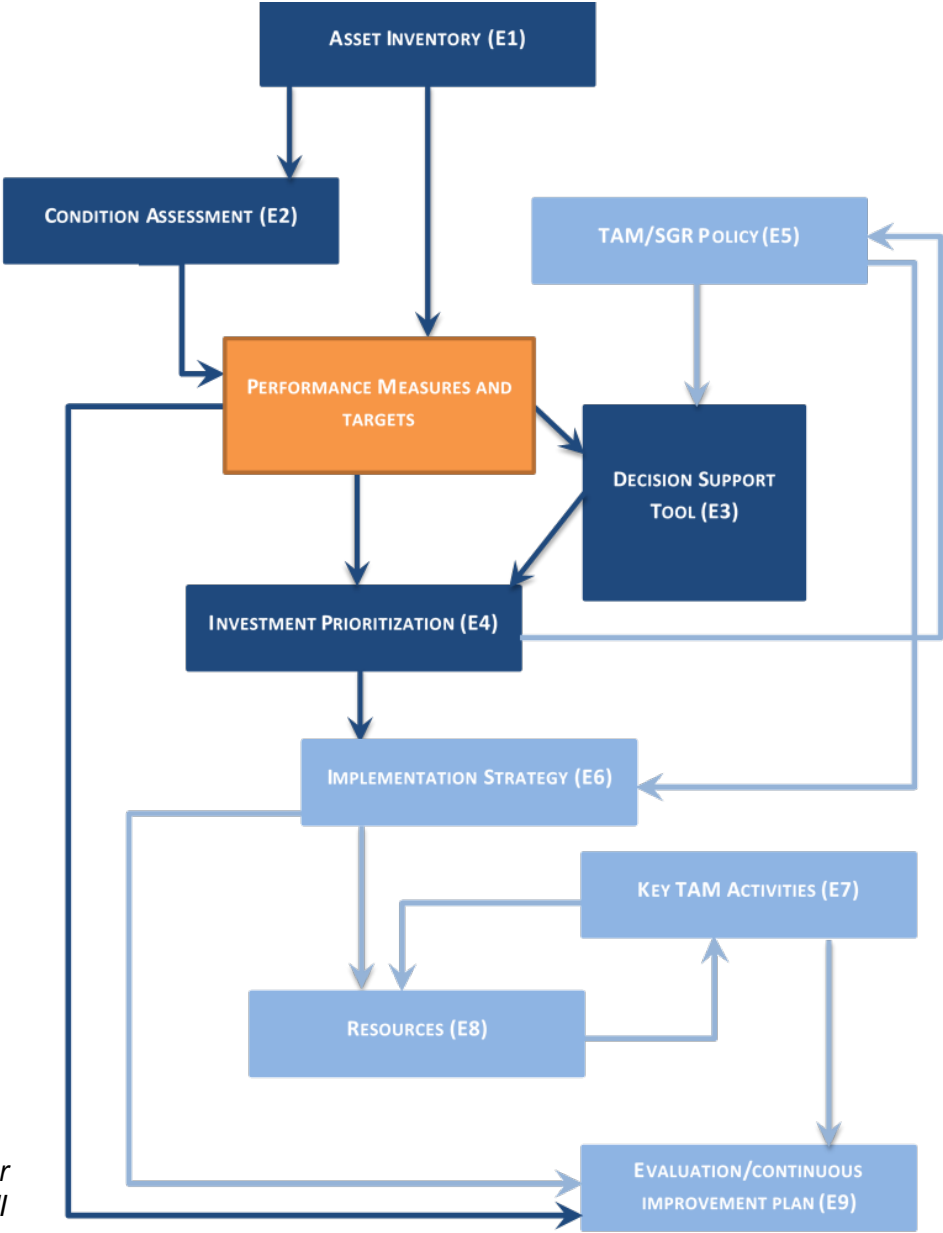
Reports

1. Data Report
 - Performance Targets
 - Performance Status
 - Condition Assessments
 - Inventory
2. Narrative report (Oct 2019)

TAM Plan Elements

1. Inventory of Capital Assets		All Providers (Tier I & II)
2. Condition Assessment		
3. Decision Support Tools		
4. Investment Prioritization		
5. TAM and SGR Policy		Tier I only Operates Rail OR ≥ 101 vehicles across <u>all</u> <u>fixed route</u> modes OR ≥ 101 vehicles in <u>one</u> <u>non-fixed route</u> mode
6. Implementation Strategy		
7. List of Key Annual Activities		
8. Identification of Resources		
9. Evaluation Plan		

TAM Plan Process



LEGEND

- Tier I & Tier II
- TIER I ONLY
- All report to NTD

NOTE: FTA estimates that fewer than 20% of transit providers will do a Tier I Plan

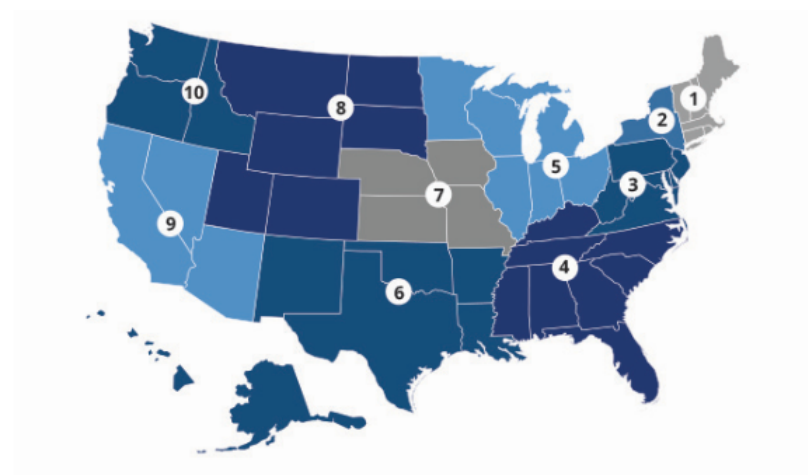
FTA Lessons Learned

- What we did well
 - Include the regions early and often ★
 - Open consistent communication with stakeholders ★
 - Initial TAM Plans complete! ★
- What we could have done better
 - Better timed resource delivery
 - Developed curriculum for TAM
 - Targeted executives for buy-in earlier
- What's due next?
 - Narrative reports, Coordinate with Planning, Align with Safety....(wash, repeat)

★ Regional Point of Contacts

Regional Contacts

For more information about specific issues related to your agency's situation, refer to the regional points of contact below.



Region	Individual	FTA Title
1	Christopher LaMacchia ✉	General Engineer
2	Sheldon Soleyn ✉	General Engineer
3	Anne Marie Coughlin ✉	Financial Analyst
4	Guanying Lei ✉	General Engineer
5	Kris Green ✉	Community Planner
6	Lynn Hayes ✉	Community Planner
7	Bill Kalt ✉	Supervisory Transportation Program Specialist
8	Ranae Tunison ✉	Transportation Program Specialist
9	Susan Ko ✉	General Engineer
10	James (Steve) Saxton ✉	Transportation Program Specialist

APTA TAM SGR Standards Working Group

Completed Documents

Communicating Your Transit Asset Management Plan <https://www.apta.com/research-technical-resources/standards/sustainability/APTA-SUDS-TAM-RP-004-19/>

Improving Asset Management Through Better Asset Information <https://www.apta.com/research-technical-resources/standards/sustainability/APTA-SUDS-TAM-RP-005-19/>

Upcoming Documents

Building Internal Stakeholder Support for Your Asset Management Program (Out for [Public Comment](#))

Communication and Coordination with External Stakeholders for Transit Asset Management (Out for [Public Comment](#))

Procuring Software to Support Transit Asset Management (Target Public Comment June 1)

2019 APTA/ FTA TAM Webinar Series

Part 1: Communicating TAM Compliance and Programs (April 25, 2019)

Part 2: Engaging TAM Stakeholders

- Summer 2019

Part 3: TAM Data Quality and Governance

- Fall 2019



Future of FTA TAM program

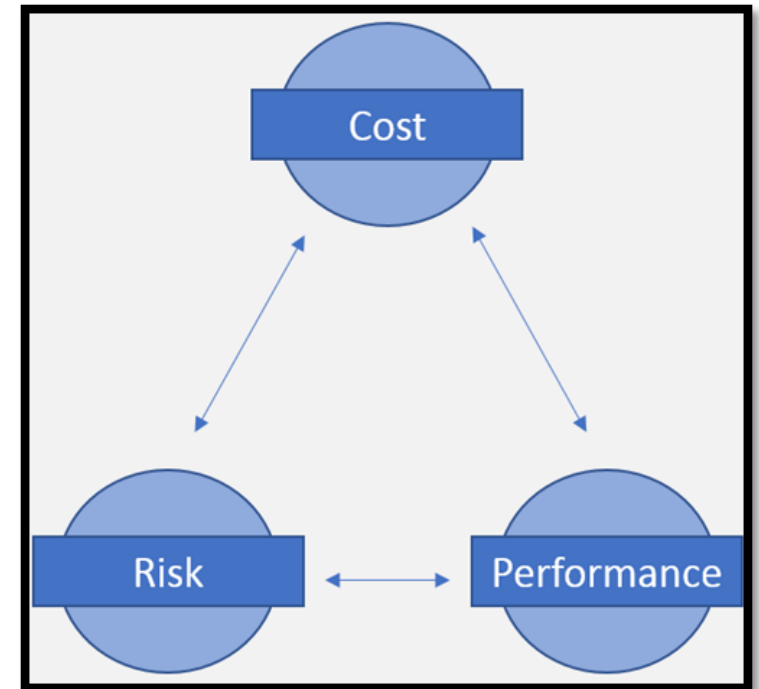
- Focus on TAM as a strategic approach, business model
 - Incorporating into strategic and long range plans, workforce planning
 - Creating a ‘TAM culture’
- Researching data quality standards
- Continue Technical Assistance
 - Peer exchanges,
 - Focused roundtables,
 - Factsheets, reports and tools
- Add to Industry Knowledge

New FTA Projects

- TAMPLATE tool (Nov 2019)
- Research Systems Asset Category (spring 2020)
- TAM 201 Course: Managing Asset Lifecycle and Risk Training (spring 2020)
- TAM Program Evaluation (2023)
 - Baseline FTAs program Identify metrics and data

What Are Elements of a TAM Culture?

- Clear Communication
- Lifecycle Management
- Organizational Mission Alignment
- Performance Monitoring
- Incorporating Lessons Learned



Culture: Shared set of values, goals, and practices that characterizes an organization

Shifting from Managing Assets to Asset Management

Asset Management is active, while managing assets is passive.

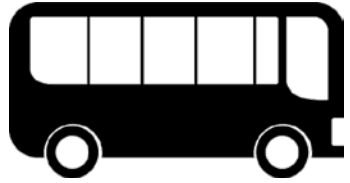
- *Whole life perspective* considers value and cost of asset from cradle to grave
- Integrative Approaches (technology, systems engineering)
- Continuous process of monitoring performance
 - Data systems and use of technology
 - Qualitative data is valued and can be leveraged

Managing Assets

vs

Asset

Management



Daily service



Age



Long-term performance



Condition and risk



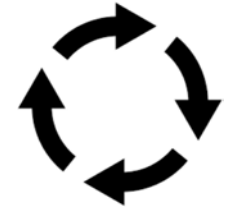
Up-front cost



Maintenance



Whole-life cost



Lifecycle management



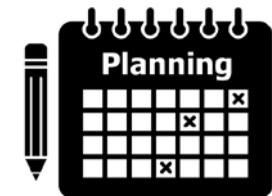
Silos



Reactive



Integration



Proactive

Moving the Dial: Creating a TAM Culture

- Active communication and Mission alignment
- Data informs the vision and action plans for TAM
- Lifecycle management and risk analysis are used
- All stakeholders are engaged in a TAM culture

Upcoming FTA Events

- TAM Roundtable for Bus
 - Sept 4-5 St. Louis, MO
- Webinar Using TAM to support Decision Making
 - May 29th 3:30pm



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