



Virginia Department of Rail and Public Transportation

# Transit Asset Management Plans

FAMPO Policy Committee

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# National Transit Asset Management System



Define state of good repair

Require TAM plans for all recipients  
and sub-recipients

Establish SGR performance measures

Report data to NTD

Receive Technical assistance from FTA

# State of Good Repair

The condition in which a capital asset is able to operate at a **full level of performance**. This means the asset:

- Is able to perform its designed function,
- Does not pose a known unacceptable safety risk, and
- Its lifecycle investments have been met or recovered.



# TAM Rule Applicability

- Tier I Providers
  - Operates Rail or over 100 vehicles
  - i.e. VRE
- Tier II Providers
  - Subrecipient of 5311 Funds
  - American Indian Tribe
  - Less than 100 vehicles
  - i.e. FRED



# Preparation of TAM Plan

- Tier I providers will prepare and implement their individual TAM plan
- Tier II providers may participate in a Group Plan or opt out and develop individual TAM Plans
- DRPT is preparing a Group Plan and inviting Tier II providers to join.
  - Any providers joining the group plan will have to participate in the development of the goals and the creation of a financial strategy towards meeting those goals
  - FRED has not joined the group plan



# TAM Plan Timeframes

- Plans would be updated in their entirety at least every **4 years**
  - Coincide with relevant (Statewide) Transportation Improvement Program
  - Cover at least **4 years**
  - Should be amended during the horizon period when there is a **significant change**
- Initial TAM Plans completed no later than **2 years** after effective date (**October 2018**)



# TAM Plan Elements

- All Providers
  - Inventory of Capital Assets
  - Condition Assessment
  - Decision Support Tools
  - Investment Prioritization
- Tier I Providers Only
  - TAM and SGR policy
  - Implementation Strategy
  - List of Key Annual Activities
  - Identification of Resources
  - Evaluation Plan



# Condition Assessment

- A rating of the inventoried assets
  - E.g., age; good/fair/poor; percentage of residual life
- Ratings should be sufficiently detailed to monitor performance and plan capital investment
- Condition assessments may be collected at the individual or asset class level
- Condition assessments may include vulnerabilities to natural/climate hazards
- Condition assessments are only required for assets with direct capital responsibility





# Investment Prioritization

- A ranked listing of proposed projects and programs ordered by year of planned implementation
- Prioritization locally determined based on policy and need
- Must adequately consider
  - Identified unacceptable safety risks
  - Accessibility requirements
- Fiscally constrained based on estimated funding levels



# Performance Measures

- **Equipment**

Age

- Percentage of vehicles that have met or exceeded their Useful Life Benchmark (ULB)

- **Rolling Stock**

Age

- Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB

- **Facilities**

Condition

- Percentage of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) scale  
(1=Poor to 5=Excellent)



# Setting the State of Good Repair (SGR) Goals



- Virginia State Group Goals were set by 1/1/17
- Documented “decision tool” to support goals
  - Based on feedback from other state programs, we are setting our first goals at our current state of good repair levels
  - TransAM reports (Virginia’s TAM reporting system)
  - Because the TransAM system just went live on 12/9/16, DRPT is still reviewing to ensure that all data transferred accurately into the system



# Revenue Vehicles in State TAM Plan Inventory



- 40 foot – 119 vehicles - **All within ULB**
  - 100 % of vehicles within ULB
- 35 foot – 235 vehicles - **21 vehicles past ULB**
  - 91 % of vehicles within ULB
- 30 foot – 61 vehicles - **13 vehicles past ULB**
  - 79% of vehicles within ULB
- Under 30 foot – 209 vehicles - **8 vehicles past ULB**
  - 97% of vehicles within ULB
- Vans – 410 vehicles - **51 vehicles past ULB**
  - 87% of vehicles within ULB

*\*ULB = Useful Life Benchmark*



# Goals for State TAM Plan Assets

- 40 foot – 80% of vehicles within ULB
- 35 foot – 80% of vehicles within ULB
- 30 foot – 75% of vehicles within ULB
- <30 foot – 80% of vehicles within ULB
- Vans – 80% of vehicles within ULB
- Facilities – 80% of facilities within ULB



# Next Steps

- Work with transit providers in the group plan to develop condition codes for assets, provide technical assistance
- Develop TAM plan, no later than **June 30, 2018**
- Transit providers ensure that their Accountable Executives sign off on the TAM Plan
- Post TAM Plan to NTD by **September 30, 2018**
- FTA Transit Asset Management Plan Resource Page  
<https://www.transit.dot.gov/TAM>

