FTA RESEARCH
FEDERAL TRANSIT ADMINISTRATION

**National Transit Database (NTD)
Asset Inventory Expansion**

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U.S. Department of Transportation
Federal Transit Administration

Agenda

- Background

- National Transit Database (NTD) Asset Inventory Reporting

- Transit Asset Management (TAM) Performance Metrics

- Question and Answer Session

Sources of Authority

MAP-21 NTD Requirements

- Asset Inventory Module Expansion for Urban Reporters

TAM Final Rule NTD Requirements

- Performance Measures

- Performance Targets

- Data Report – condition assessments & slow zones
  - 5310 asset inventory
  - 5311 facility inventory

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Implementation Timeline

- Optional reporting in RY2017 (beginning fall 2017)
- Mandatory Reporting in RY2018 (beginning fall 2018)

Fiscal Year Ends	Report Due
July to June	October 31st
October to September	January 30th
January to December	April 30th

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Facility Reporting

- You must report facilities that you use in the provision of public transportation and you must indicate if you are partially or fully responsible to fund the renewal or replacement of any component or the facility in its entirety.

Changes from Current NTD

Reporting Category	Current Reporting	New Reporting
Administrative and Maintenance Facilities	Count of maintenance facilities, grouped by capacity	Individual facility inventory: • type, • location, • square footage and • condition rating

- Applies to:
  - All reporter types
  - Administrative and maintenance facilities for which you have full or partial capital replacement responsibility

Changes from Current NTD

Reporting Category	Current Reporting	New Reporting
Passenger Stations and Parking	Count of passenger stations, only.	Individual facility inventory: • type, • location, • square footage, • condition rating and • capital responsibility

- Applies to:
  - All reporter types
  - All passenger stations and parking facilities that you use in the provision of public transportation
  - Condition assessments are required for facilities for which you have capital replacement responsibility.

- A bus stop or basic bus shelter is <u>not</u> a facility for asset inventory reporting

Track and Guideway Reporting

- If you operate or purchase transit service over fixed track, you must report rail track and guideway data and indicate if you are partially or fully responsible to fund the capital needs to replace all or some of its components.

Changes from Current NTD

Reporting Category	Current Reporting	New Reporting
Rail Track	Current reporting mixes track and guideway.	Track mileage by type (e.g. tangent or curved) Must also report major track elements e.g. crossovers

- Applies to:
  - All reporter types with rail fixed guideway
  - All track that you use in the provision of public transportation

Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Fixed Guideway	None	Guideway by construction type (e.g. elevated, tunnel, etc.), each divided into 10-year age buckets

- Applies to:
  - All reporter types with rail fixed guideway
  - All guideway and equipment that you use in the provision of public transportation

Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Substations	None	Count of substation structures and substation equipment, each divided into 10-year age buckets

- Applies to:
  - All reporter types with rail fixed guideway
  - Substations that you use in the provision of public transportation

Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Signals	None	Percentage of signal assets total value divided into 10-year age buckets

- Applies to:
  - All reporter types with rail fixed guideway
  - All wayside signals that you use in the provision of public transportation

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Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Power	None	Percentage of total value of third rail or catenary in 10-year age buckets

- Applies to:
  - All reporter types with rail fixed guideway
  - All catenary/third rail that you use in the provision of public transportation

Vehicle Inventory

- Revenue Vehicles: You are required to report the revenue vehicles by fleet used to operate transit service that you report to the NTD.

- Service Vehicles: You are required to report a service vehicle inventory if you are responsible to fund its replacement.

Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Revenue Vehicles - Urban	Detailed count of vehicles by type, capacity, age, etc.	Addition of a useful life benchmark
Revenue Vehicles – Rural	Detailed count of vehicles by type, capacity, age, etc.	Addition of a useful life benchmark
Revenue Vehicles - 5310	None	Mirrors requirements for rural reporters

- Applies to:
  - All reporter types

  - Useful life benchmark (ULB) is provided for all vehicles used in the provision of public transportation

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Asset Inventory Changes

Reporting Category	Current Reporting	New Reporting
Service Vehicles	None	Detailed count of vehicles by type, age, etc. A useful life benchmark for each vehicle type

- Applies to:
  - All reporter types
  - All service vehicles for which you have capital replacement responsibility
  - "Service vehicles" include road legal vehicles and major construction equipment

  - Small shop level equipment – e.g., fork lifts, golf carts, etc.– are not included in the inventory

Notes on Rural (5311) Reporting

- 5311 Rural Formula Grants & Tribal Transit Grants
  - Already report a revenue vehicle inventory (no change)
  - Now provide an inventory of admin/maint facilities (if relevant)
  - Now provide an inventory of passenger facilities (e.g., bus transfer stations, if relevant)
  - Performance information as applicable

- Reporting will generally be done by State DOTs for 5311 program as Group Plan sponsor

Notes on 5310 Reporting

- 5310 Special Services to Elderly and Disabled
  - Report a basic vehicle inventory for first time
  - Report inventory of admin/maint facilities (if relevant)

- Reporting will generally be done by State DOTs for 5310 program as Group Plan sponsor

Transit Asset Management 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

- Infrastructure | *Performance*
  – Percentage of track segments with performance restrictions by class

- 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)

Annual NTD Reporting Requirements for TAM

The Transit Asset Management Program requires agencies to report their performance targets to the NTD each year.

- First targets *may* be entered in January 2017 for FY2017

- After, targets are reported with each annual NTD report for the next fiscal year

- One target for each mode or vehicle type

Annual NTD Reporting Requirements for TAM Plans

On-going Requirements (beginning Report Year 2018):

1. Data Reports
   - Projected performance targets for next fiscal year – entered with annual report
   - System Condition and Performance Report
     - Facility condition assessment
     - Performance restrictions (slow zones measure)
     - Rolling stock and equipment ULBs (FTA provided defaults or customized)

2. Narrative Report
   - Change in condition
   - Progress toward targets

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Questions

- You may find a copy of new asset inventory reporting guidance and data requirements on the NTD website: https://www.transit.dot.gov/ntd

- Additional questions may be directed to: Maggie Schilling, NTD Program Manager margaret.schilling@dot.gov 202.366.2054