Agenda

- Transit Safety Rulemaking and Guidance
- FTA Approach to SMS
- Safety Training
- Chicago Transit Authority (CTA) SMS Pilot Update
- National Transit Database (NTD) Snapshot
- Safety Advisories Status
- FTA Oversight of WMATA Safety
- SSO Certification Status
- What the Rail Transit Industry can do?
- Outreach
- Questions
<table>
<thead>
<tr>
<th>Regulation</th>
<th>Rulemaking Timeline</th>
<th>Status</th>
</tr>
</thead>
</table>
| Public Transportation Agency Safety Plan 49 CFR Part 673 | NPRM  
Published: 2/5/2016  
Comment By: 4/5/2016 | Final Rule in Development |
| Public Transportation Safety Certification Training Program 49 CFR Part 692 | NPRM  
Published: 12/3/2015  
Comment By: 2/1/2016 | Final Rule in Development |
| Preventing Transit Worker Assault NPRM         | NPRM  
Expected: 2017                         | NRPM in Development     |
| National Public Transportation Safety Plan     | Proposed National Safety Plan  
Published: 2/5/2016  
Comment By: 4/5/2016 | Final Guidance  
Published: 1/17/17 |
| Public Transportation Safety Program 49 CFR Part 670 | NPRM  
Published: 8/14/2015  
Comment By: 10/13/2015 | Final Rule  
Published: 8/11/2016  
Effective: 9/12/2016 |
| Bus Testing 49 CFR Part 665                    | NPRM  
Published: 6/23/2015  
Comment By: 8/24/2015 | Final Rule  
Published: 8/1/2016  
Effective: 10/31/2016 |
| Transit Asset Management 49 CFR Part 625      | NPRM  
Published: 9/30/2015  
Comment By: 11/30/2015 | Final Rule  
Published: 7/26/2016  
Effective: 10/1/2016 |
| State Safety Oversight 49 CFR Part 674        | NPRM  
Published: 2/27/2015  
Comment By: 4/28/2015 | Final Rule  
Published: 3/16/16  
Effective: 4/15/16 |
# FTA Approach to SMS

<table>
<thead>
<tr>
<th>From a Compliance Approach</th>
<th>to a Safety Management Systems Approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document current procedures and practices</td>
<td>Document strategies to address priority safety risks</td>
</tr>
<tr>
<td>Safety regulators are primary users of safety data</td>
<td>Safety regulators, and agency leadership, employees and stakeholders are all primary users of safety data</td>
</tr>
<tr>
<td>Focus on compliance with prescriptive regulations</td>
<td>Focus on measuring the effectiveness of risk control strategies and achieving safety outcomes</td>
</tr>
<tr>
<td>Reactive – address safety concerns after accidents occur</td>
<td>Proactive – learn from close calls and address accident precursors to prevent events</td>
</tr>
</tbody>
</table>
# Safety Training

## SMS Principles for Transit

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seattle, WA</td>
<td>November 1 - 3, 2017</td>
<td>King County</td>
</tr>
<tr>
<td>San Francisco, CA</td>
<td>January 24 - 26, 2018</td>
<td>SamTrans</td>
</tr>
</tbody>
</table>

## SMS Safety Assurance

<table>
<thead>
<tr>
<th>Type</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual-Live Training</td>
<td>October 24, 2017</td>
</tr>
<tr>
<td>Virtual-Live Training</td>
<td>November 16, 2017</td>
</tr>
<tr>
<td>Virtual-Live Training</td>
<td>December 12, 2017</td>
</tr>
<tr>
<td>Virtual-Live Training</td>
<td>January 18, 2018</td>
</tr>
<tr>
<td>Virtual-Live Training</td>
<td>February 13, 2018</td>
</tr>
</tbody>
</table>

## Transit Rail Incident Investigation

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Jose, CA</td>
<td>January 22 - 26, 2018</td>
<td>VTA</td>
</tr>
</tbody>
</table>
## Safety Training

### Transit Rail System Safety
- **Seattle, WA**
  - November 27 - December 1, 2017
  - Sound Transit
- **Phoenix, AZ**
  - January 8 - 12, 2018
  - Valley Metro

### Effectively Managing Transit Emergencies
- **Oakland, CA**
  - January 30 - February 2, 2018
  - BART
- **San Diego, CA**
  - February 27 - March 2, 2018
  - SDMTS

### Transit System Security
- **San Diego, CA**
  - November 13 - 17, 2017
  - SDMTS
- **Austin, TX**
  - November 27 - December 1, 2017
  - Capitol Metro
CTA SMS Pilot Update

• Began in December 2014
• CTA has:
  – Assigned an SMS Implementation Lead and an SMS Implementation Team
  – Drafted a Safety Management Policy Statement
  – Offered Introduction to SMS training to managers
  – Conducted a safety culture survey
  – Developed an SMS Implementation Project Plan and Safety Risk Management sub-plan
• CTA is currently piloting draft Safety Risk Management procedures
National Transit Database Snapshot 2014 - 2016

Fatalities from Mechanical Failures
- Not Due to Mechanical Failure, 740
- Possible Mechanical Failure, 5

740 99%
5 1%

Rail Fatalities by Event Types
- Collision Fatalities 170 39%
- Suicide 200 46%
- Security 29 7%
- Other 34 8%
- Other 34 8%

Derailments by Rail Mode 2014-2016
- Light Rail: 67
- Streetcar: 42
- Heavy Rail: 34
- Cable Car: 14
- Monorail: 1
- Hybrid Rail: 1
- Inclined Plane: 1
# Safety Advisories Status

<table>
<thead>
<tr>
<th>Safety Advisories</th>
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</thead>
<tbody>
<tr>
<td>Safety Advisory 14-1: Right-of-Way Worker Protection,</td>
</tr>
<tr>
<td>Safety Advisory 14-2: Verification of Rail Vehicle Safe Stopping Distances in</td>
</tr>
<tr>
<td>Terminal Stations</td>
</tr>
<tr>
<td>Controllers</td>
</tr>
<tr>
<td>Safety Advisory 15-1: Audit All Rail Fixed Guideway Public Transportation Systems (RFGPTS) with Subway Tunnel Environments</td>
</tr>
<tr>
<td>Safety Advisory 16-1: Stop Signal Overruns</td>
</tr>
<tr>
<td>Safety Advisory 16-2: Contact Rail (Third Rail) System Hazards</td>
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</table>
FTA Oversight of WMATA Safety

• FTA bridges gap while MD, VA and DC are responsible under federal law for reestablishing a new SSO for Metrorail
• Provides temporary direct safety oversight of WMATA’s Metrorail system
• FTA’s three goals in assuming direct safety oversight responsibility
  1. Improve Metrorail safety;
  2. Direct the TOC in its core safety oversight duties while assuming the lead role for key functions of the Metrorail State Safety Oversight Program and
  3. Support an expedited effort led by VA, MD and DC to establish a new, fully compliant, staffed, resourced and capable SSOA to replace the TOC, asap.
• Transparency in our oversight
FTA Safety Oversight of the Washington Metropolitan Area Transit Authority (WMATA) Metrorail System

What’s New

As of August 7, 2017, Jamie Pfister is the FTA Director of the WMATA Safety Oversight Team. As Director, she will lead a team of multidisciplinary staff of inspectors, auditors and investigators to provide temporary and direct safety oversight of the WMATA Metrorail system and oversee WMATA’s implementation of safety corrective action plans.

Overview

In October 2015, the U.S. Secretary of Transportation directed the Federal Transit Administration (FTA) to assume temporary and direct safety oversight of the Washington Metropolitan Area Transit Authority (WMATA) Metrorail System. FTA is performing this safety oversight responsibility in place of the current and ineffective Tri-State Oversight Committee (TOC).

The responsibility for improving the safe operation of the Metrorail system, including the performance of daily inspections and preventative maintenance, sits squarely on WMATA. The FTA WMATA Safety Oversight Team’s role is to verify WMATA’s progress on implementing safety-related Corrective Action Plans and remedial actions, and to ensure that WMATA is effectively carrying out its own critical maintenance, operations, and training programs.

Related Links
- WMATA Corrective Actions
- WMATA Safety Oversight Inspections
- WMATA Safety Oversight News
- WMATA Orders and Reports
- WMATA Safety Oversight Correspondence
- WMATA Safety Oversight Team

Contact Us
Office of Transit Safety and Oversight

SSO Certification Status

• A State’s progress can be tracked on FTA’s website

• Inquiries
  – Those interested in specifics on a State’s progress are encouraged to contact the State
What the Rail Transit Industry can do?

Be aware of the statutory deadline and support your State in its certification efforts
Outreach

• All certification status updates will be featured on the monthly FTA's Transit Safety and Oversight Spotlight Newsletter

• Subscribe through email updates under “Safety & Oversight/Safety & Oversight Newsletter”
Questions?

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