



# Massachusetts Bay Transportation Authority

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FTA Safety Management Inspection Update

MBTA Board of Directors Meeting

August 24, 2023

Meredith Sandberg, Acting Chief of Quality, Compliance & Oversight



# MBTA Finding Closure Progress

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## **Four Special Directive 22-06 OCC Findings closed:**

- Finding 1: Required weekly OCC passenger service schedules for each rail line and daily “as performed” schedules.
- Finding 2: Required MBTA to submit documentation confirming OCC staff have sufficient time off to recover between shifts.
- Finding 3: Required the MBTA to submit documentation confirming that, for each shift, OCC supervisors are not scheduled to perform both supervisory and dispatcher roles.
- Finding 4: (CAP 4) MBTA requires its OCC personnel to work in a fatigued state as a pattern and practice; closure requested Aug. 4, 2023.

**FTA relaxed some of the IAL reporting requirements**

**MBTA has requested closure of 22-4 Finding 1 (CAP 1)**



# Operational Safety Improvement Pilots

## Immediate Action Letter Safety Workplan Pilots



OCC ROW worker location pilot



Green Line worker ahead pilot

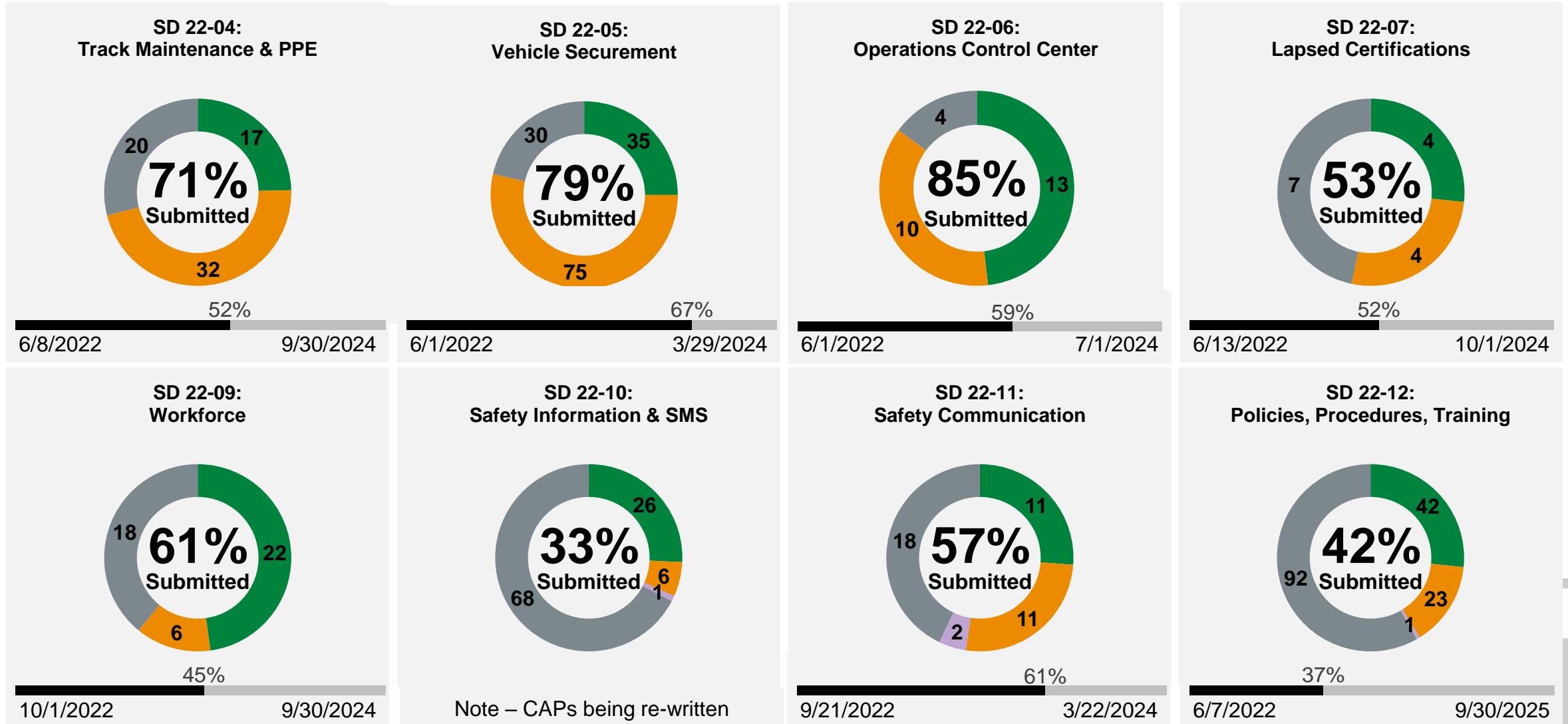


Exterior Vehicle Inspection (EVI) pilot





# FTA SMI Response Progress Summary



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Questions?



■ Submissions Accepted  
■ Under FTA Review

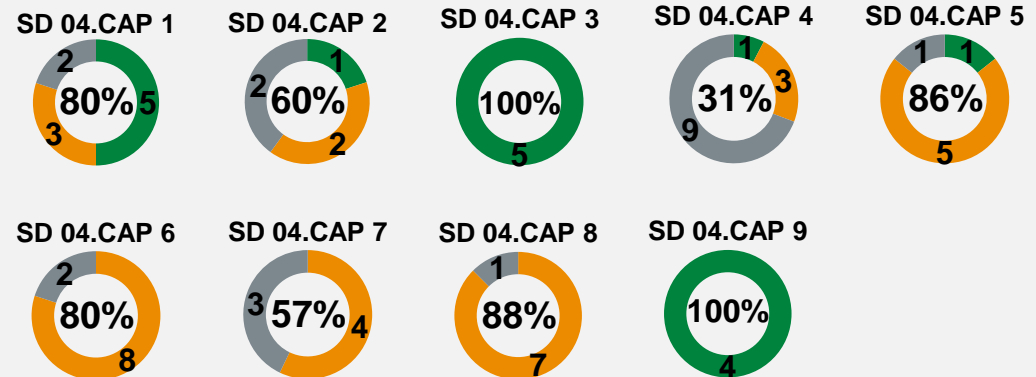
■ Resubmittal Required  
■ Not Yet Submitted

# SD 22-4: Track Maintenance & PPE

- F1: Published updated Rulebook for Operations Employees incorporating PPE requirements – CAP Closure request submitted 8/15 and addresses remaining action items
- F2: Reporting against our PPE compliance program on a monthly basis
- ✓ F3: Raised Tufts Curve Speed Restriction after completing Cologne Egg replacement – CAP CLOSED
- F4: Received recommendations for ROW planning and maintenance efficiency improvements
- F5: Submitted budget requests for MOW equipment and resource needs
- F6: Developed Capital Funding Request & Plan for Accelerated Implementation of EAM
- F7: Developed and Implemented New Weekly Speed Restriction Report for Executives
- F8: Worked with MOW and CT to update SMRP to account for new speed restrictions, submitted our new format to FTA for our quarterly update
- ✓ F9: Restored Green Line Work Train to Working Order – CAP CLOSED

## By the Numbers:

- 9 Findings: 2 Closed, 7 Ongoing



Submissions Accepted  
Under FTA Review

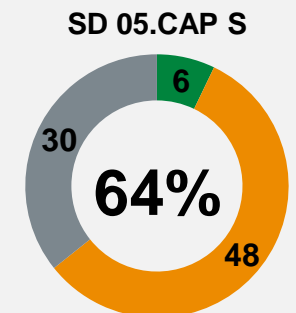
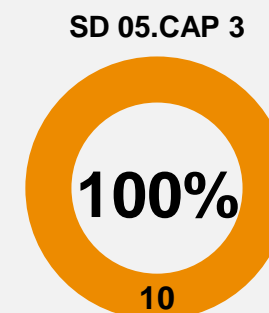
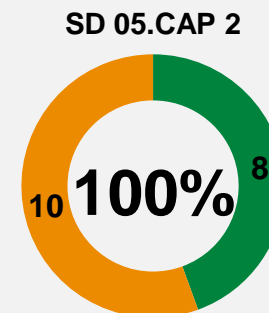
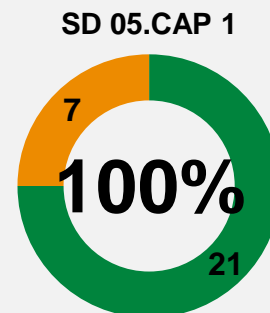
Resubmittal Required  
Not Yet Submitted

# SD 22-5: Vehicle Securement

- F1: Submitted Supplemental CAP for Pre-Trip Inspections
- F2: Completed Training of All Heavy and Light Rail Personnel
- F3: Implemented Compliance Program for Safe Movement
- Supplemental: Orange Line pilot started August 11

## By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing



Submissions Accepted  
Under FTA Review

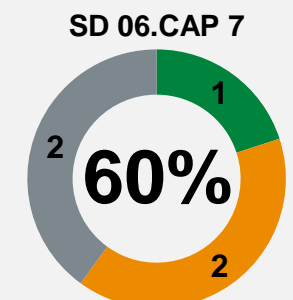
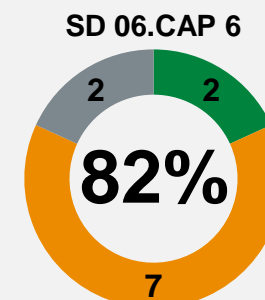
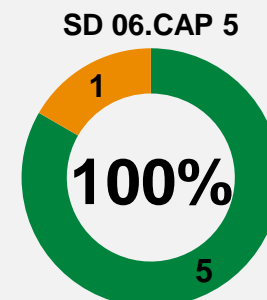
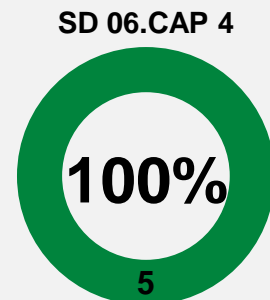
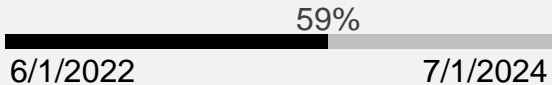
Resubmittal Required  
Not Yet Submitted

# SD 22-6: Operations Control Center

- ✓ F1: Ensured that staff working in OCC are certified – FINDING CLOSED
- ✓ F2: Established policies to ensure OCC staff have sufficient time off between shifts – FINDING CLOSED
- ✓ F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles – FINDING CLOSED
- ✓ F4: Ensured 100% Compliance with Work Hour Restrictions – CAP CLOSED
- F5: Staffed to 26 Dispatchers Including Supplemental Resources
- F6: Implementing plan to make OCC role more attractive
- F7: Recertified 100% of OCC Staff

## By the Numbers:

- 7 Findings: 3 Closed, 4 Ongoing





Submissions Accepted  
Under FTA Review

Resubmittal Required  
Not Yet Submitted

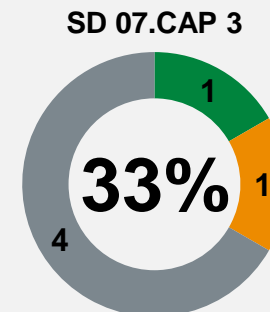
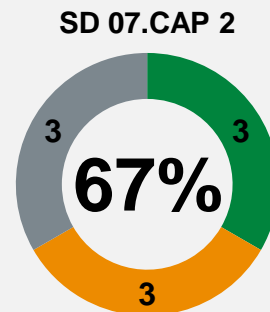
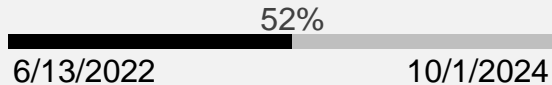
# SD 22-7: Lapsed Certification Process

- F1: Ensured 100% of Operating Personnel Are Current in Certifications
- F2: Ensured 100% of Operating Personnel Are Current in Certifications Submitted Special Order revision
- F3: Ensured 100% of Operating Personnel Are Current in Certifications

## Designing and Implementing Certification Management Procedures

By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing



Submissions Accepted  
Under FTA Review

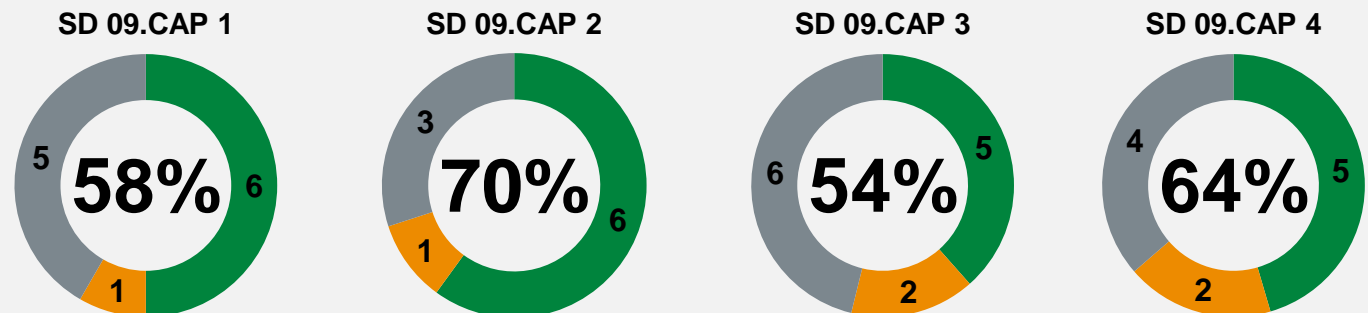
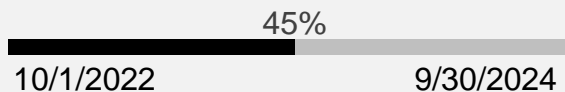
Resubmittal Required  
Not Yet Submitted

# SD 22-9: Workforce

- **F1: Reviewed approach and interim deliverables in depth with FTA**
- F2: Began Hiring & Recruitment Plan Status Review
- F3: Submitted Safety Engineering & Certification Best Practices
- F4: Implemented Contractor Outreach and Engagement Program

## By the Numbers:

- 4 Findings: 0 Closed, 4 Ongoing



Submissions Accepted  
Under FTA Review

Resubmittal Required  
Not Yet Submitted

# SD 22-10: Safety Information & SMS

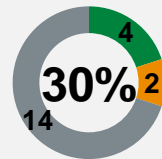
- F1: Reworking CAP in collaboration with FTA
- F2: Reworking CAP in collaboration with FTA
- F3: Reworking CAP in collaboration with FTA
- F4: Reworking CAP in collaboration with FTA
- F5: Reworking CAP in collaboration with FTA
- F6: Reworking CAP in collaboration with FTA
- Completed Safety Department Staffing Analysis and submitting weekly hiring updates to FTA, completed Strategic Hiring Plan

By the Numbers:

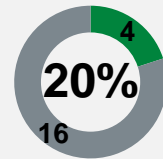
- 6 Findings: 0 Closed, 6 Ongoing

Note – CAPs being re-written

SD 10.CAP 1

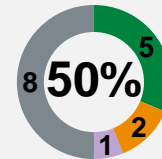


SD 10.CAP 2

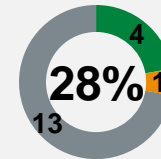


Note – CAPs being re-written

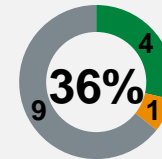
SD 10.CAP 3



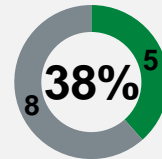
SD 10.CAP 4



SD 10.CAP 5



SD 10.CAP 6



Submissions Accepted  
Under FTA Review

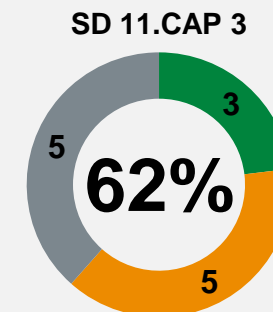
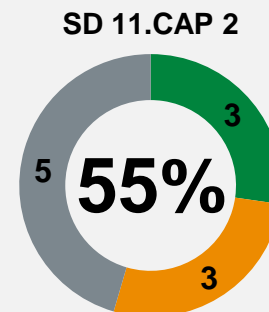
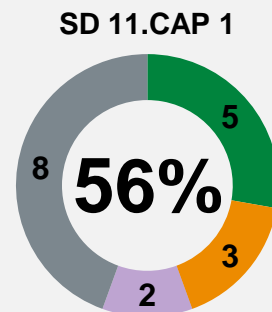
Resubmittal Required  
Not Yet Submitted

# SD 22-11: Safety Communication

- F1: Established Meeting Manager Cohort and Peer Sharing Submitted Best Practices
- F2: Scheduled & Published Local Safety Committee Meeting Series
- F3: Published Employee-Focused Safety Helpline SOP Submitted Plan for ESRP SRM Integration

## By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing



Submissions Accepted  
Under FTA Review

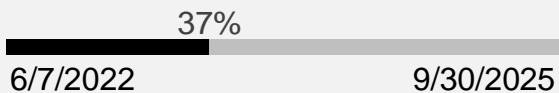
Resubmittal Required  
Not Yet Submitted

# SD 22-12: Policies, Procedures & Training

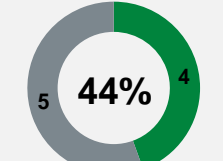
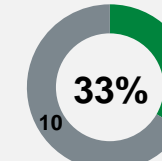
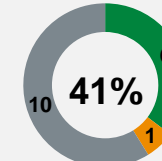
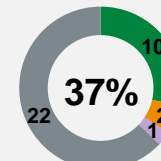
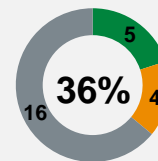
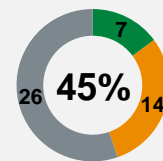
- F1: Submitted rewritten CAP to FTA
- F2: Submitted rewritten CAP to FTA
- F3: Revised Quality Management Plan based on FTA feedback
- F4: Assessed Current State Of Training And Developed Recommendations for Training Governance
- F5: Developing Workforce Feedback Workshop on Technology Tool needs
- F6: Selected Technical Support for Expanded Mentorship Program
- F7: Completed Repairs on 17 of 18 Radio Weak Spots

## By the Numbers:

- 7 Findings: 0 Closed, 7 Ongoing



SD 12.CAP 1 SD 12.CAP 2 SD 12.CAP 3 SD 12.CAP 4 SD 12.CAP 5 SD 12.CAP 6



Note - CAPs being re-written