



Massachusetts Bay Transportation Authority

FTA Safety Management Inspection Update

MBTA Board of Directors Meeting

May 23, 2024

Meredith Sandberg, Chief of Quality, Compliance & Oversight



SD 22-5 CAP 1 Closed | Enhanced Vehicle Procedures



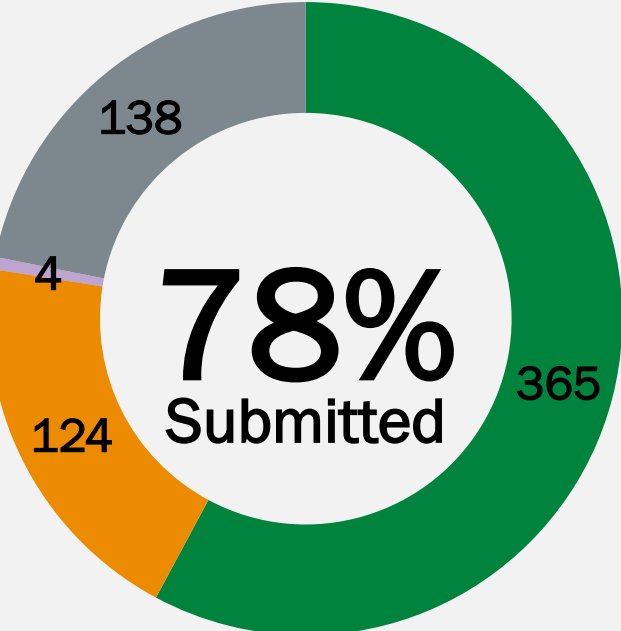
- SD 22-5 was prompted by a series of incidents in rail yards in 2022 - MBTA didn't have specific procedures for yard movement when the cars had known or suspected defective equipment.
- Conducted analysis of root causes of incidents - included feedback from vehicle maintenance crews and transportation operations teams.

- Updated or formalized procedures on movements within the rail yards.
- Developed processes for documenting routine equipment handovers and verifying equipment status (see sample forms above).
- To date, thousands of these checks have occurred, ensuring equipment is safe and ready for service.



FTA SMI Response Progress Summary

Overall CAP Progress¹

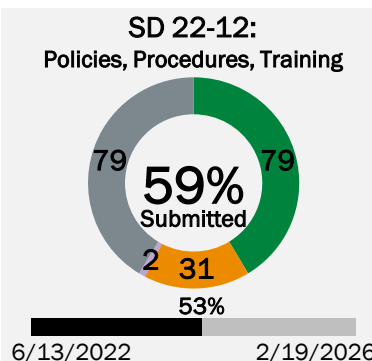
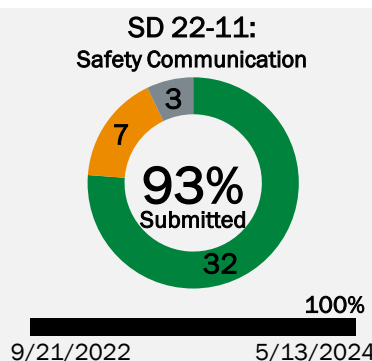
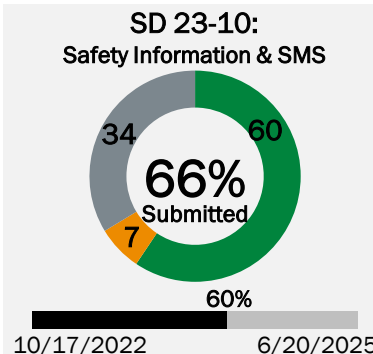
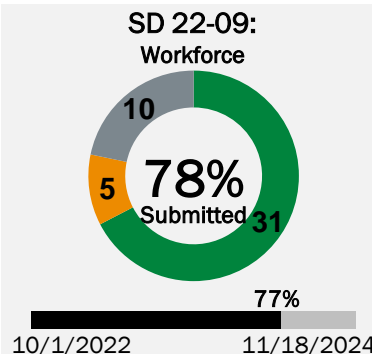
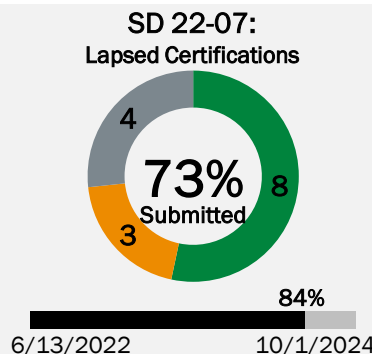
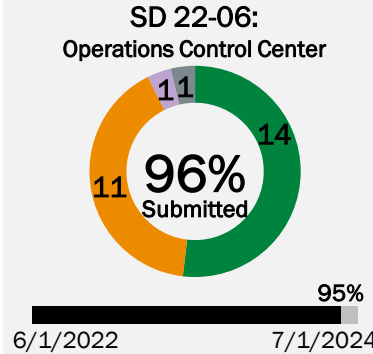
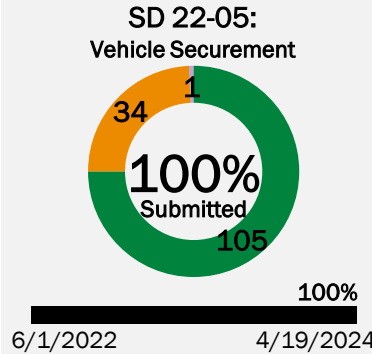
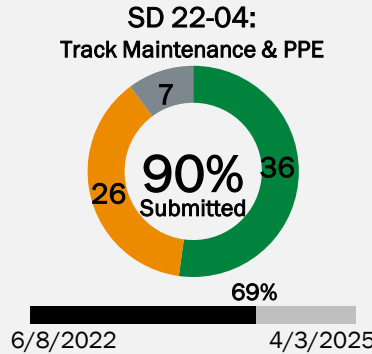


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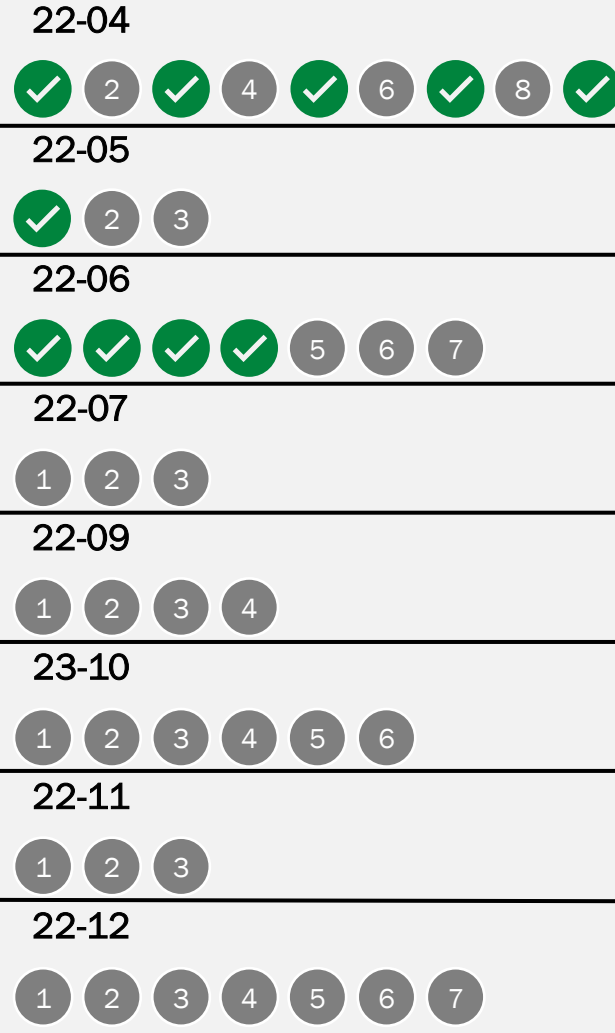
6/1/2022 2/19/2026

Overall Findings

Total	42
Closed	10
Ongoing	32



Overall Finding Progress



✓ Finding Closed

1. Total of 631 actionable items; inclusive of updated 23-10 & 23-12 CAPs, does not include IAL items

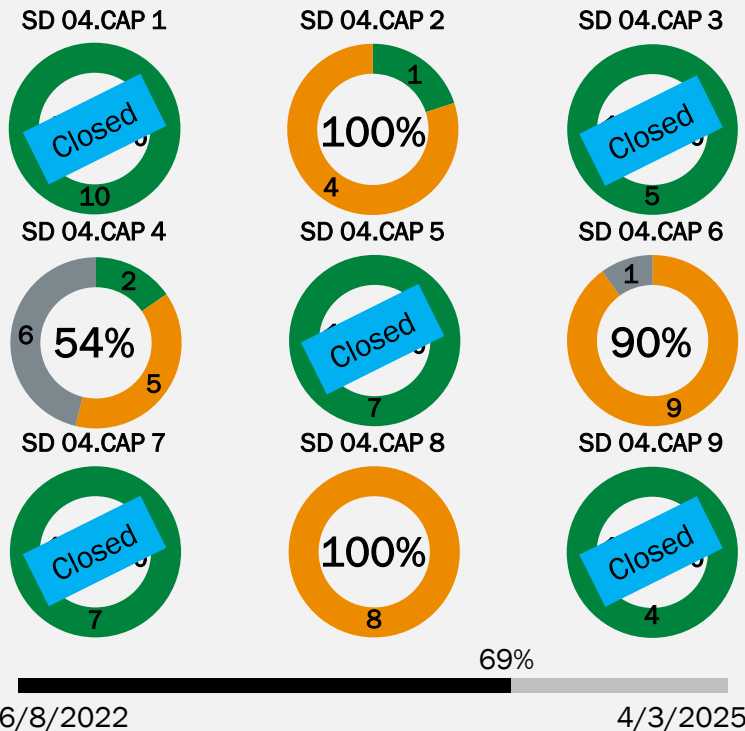
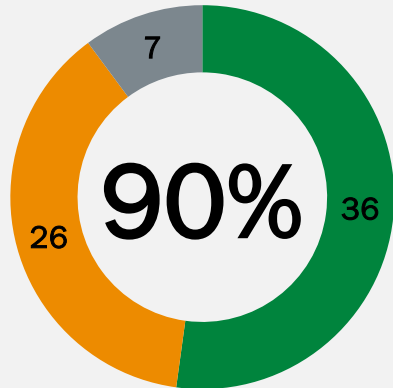


Questions?

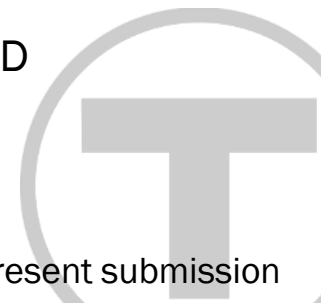
Appendix



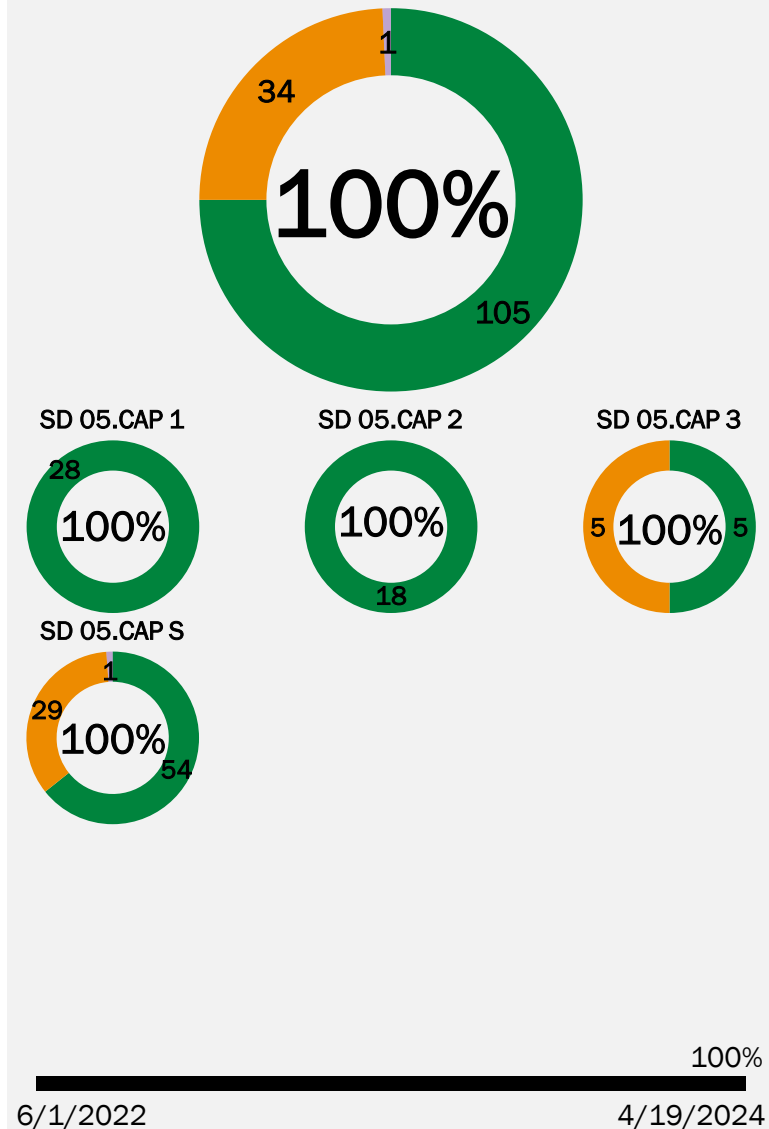
SD 22-4: Track Maintenance & PPE



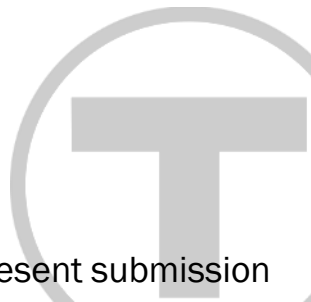
- ✓ F1: Published updated Rulebook for Operations Employees incorporating PPE requirements – CAP CLOSED
- F2: All action items completed CAP CLOSURE REQUESTED
- ✓ F3: Raised Tufts Curve Speed Restriction after completing Cologne Egg replacement – CAP CLOSED
- F4: Developed schedule for ROW Access for MOW – Track Improvement Program (TIP) – relief approved for remaining action items on 2/21/24
- ✓ F5: Submitted budget requests for MOW equipment and resource needs – CAP CLOSED 12/22/23
- F6: Developed Capital Funding Request & Plan for Accelerated Implementation of EAM – Trapeze demo provided to FTA during April on site
- ✓ F7: Developed and Implemented New Weekly Track Conditions Report for Executives – CAP Closed 2/9/24
- F8: Submitted SMRP metrics to FTA for our quarterly update 3/29/23 CAP CLOSURE REQUESTED
- ✓ F9: Restored Green Line Work Train to Working Order – CAP CLOSED



SD 22-5: Vehicle Securement

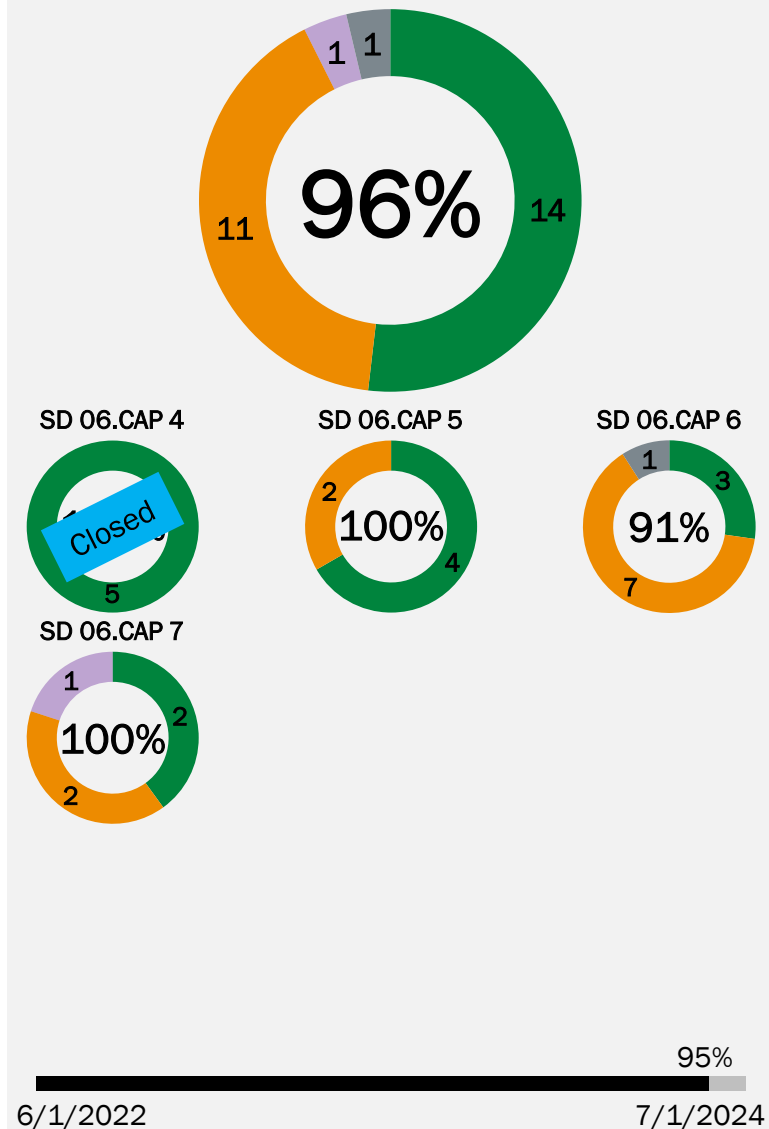


- F1: Procedures for Safe Movements of Rail Vehicles– all action items completed CAP CLOSURE REQUESTED
- F2: Training for SMRV Procedures – all action items completed CAP CLOSURE REQUESTED
- F3: Implemented Compliance Program for Safe Movement, all action items completed CAP CLOSURE REQUESTED
- Supplemental: All action items completed. Under FTA review.

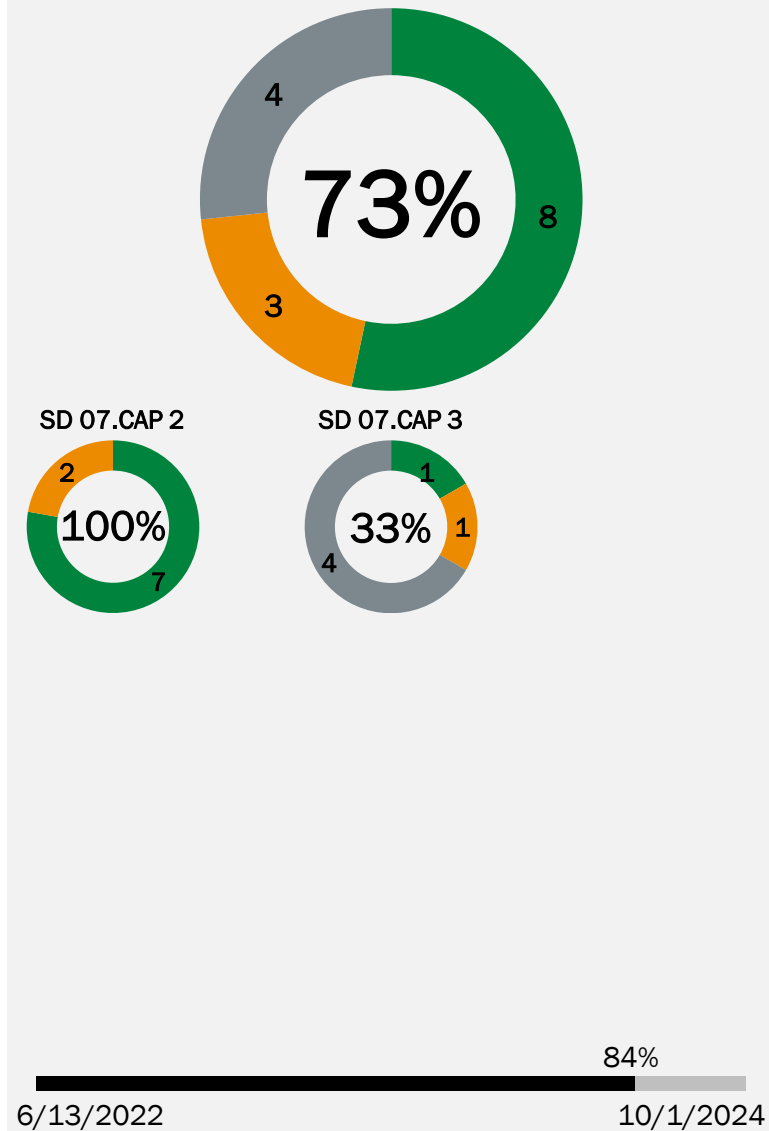


SD 22-6: Operations Control Center

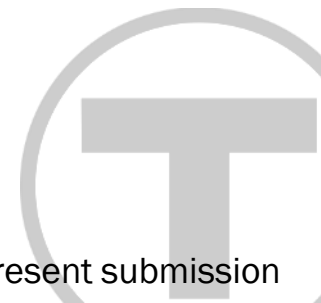
- ✓ F1: Ensured that staff working in OCC are certified – FINDING CLOSED
- ✓ F2: Established policies to ensure OCC staff have sufficient time off between shifts – FINDING CLOSED
- ✓ F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles – FINDING CLOSED
- ✓ F4: Ensured 100% Compliance with Work Hour Restrictions – CAP CLOSED
- F5: Staffed to 27 RTL Dispatchers Including Supplemental Resources - all action items completed, under FTA verification
- F6: Implementing plan to make OCC role more attractive (OCC renovation in design phase) – Held PDG meeting for design & construction of new OCC room.
- F7: **Updating materials for specialized dispatcher training.**



SD 22-7: Lapsed Certification Process



- F1: Ensured 100% of Operating Personnel Are Current in Certifications – Finding Closure Requested in Fall 2023. Quarterly report for rest violations showing 99.9% compliance submitted to FTA on 4/8/24.
- F2: Ensured 100% of Operating Personnel Are Current in Certifications – all action items completed.
- F3: Ensured 100% of Operating Personnel Are Current in Certifications; Designing and Implementing Certification Management Procedures - dashboard went live 2/1/24.



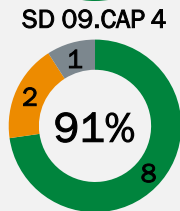
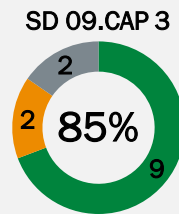
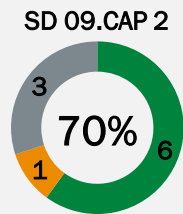
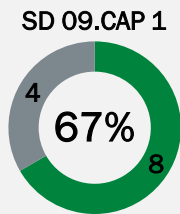
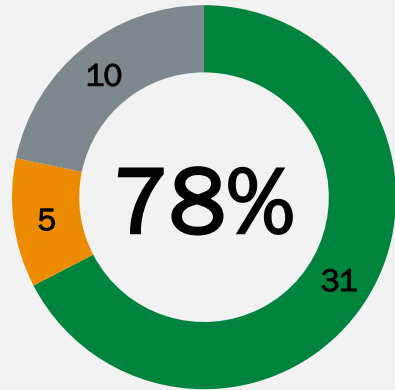
Submissions Accepted

Under FTA Review

Resubmittal Required

Not Yet Submitted

SD 22-9: Workforce



- F1: Workforce Assessment: Progressing toward completing dependency WFA modeling.
- F2: Hiring Plan: Developing prioritization framework for the hiring plan.
- F3: Implementing training plan for updated Safety Certification policy.
- F4: Contractor Oversight: All action items completed.

77%

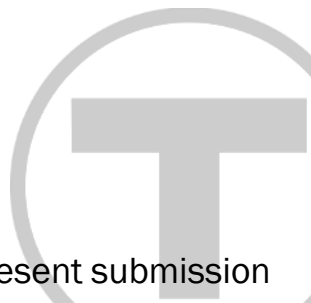
10/1/2022

11/18/2024

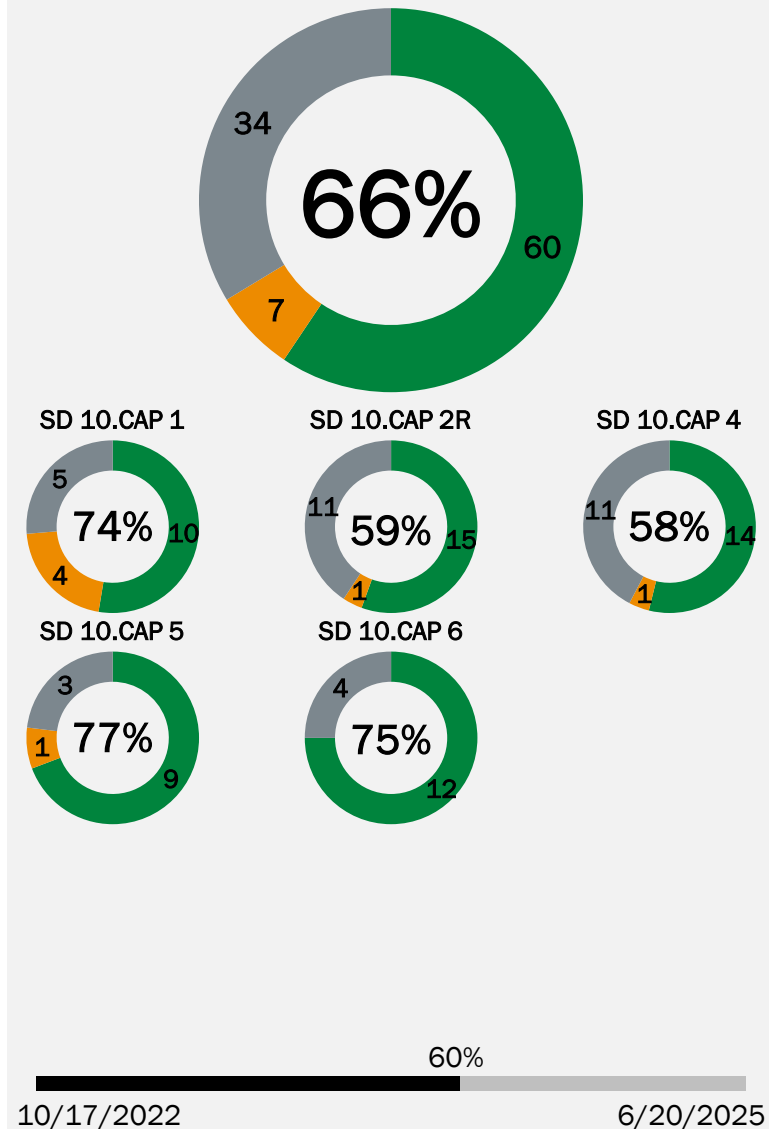
Data as of: May 12, 2024

Draft for Discussion & Policy Purposes Only

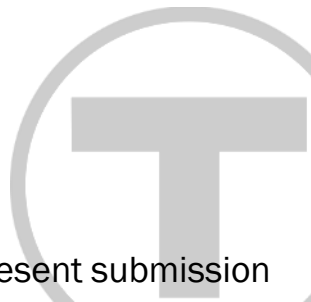
Note: Percentages in charts represent submission



SD 23-10: Safety Information & SMS

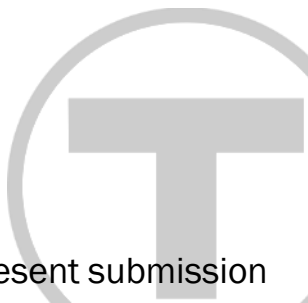
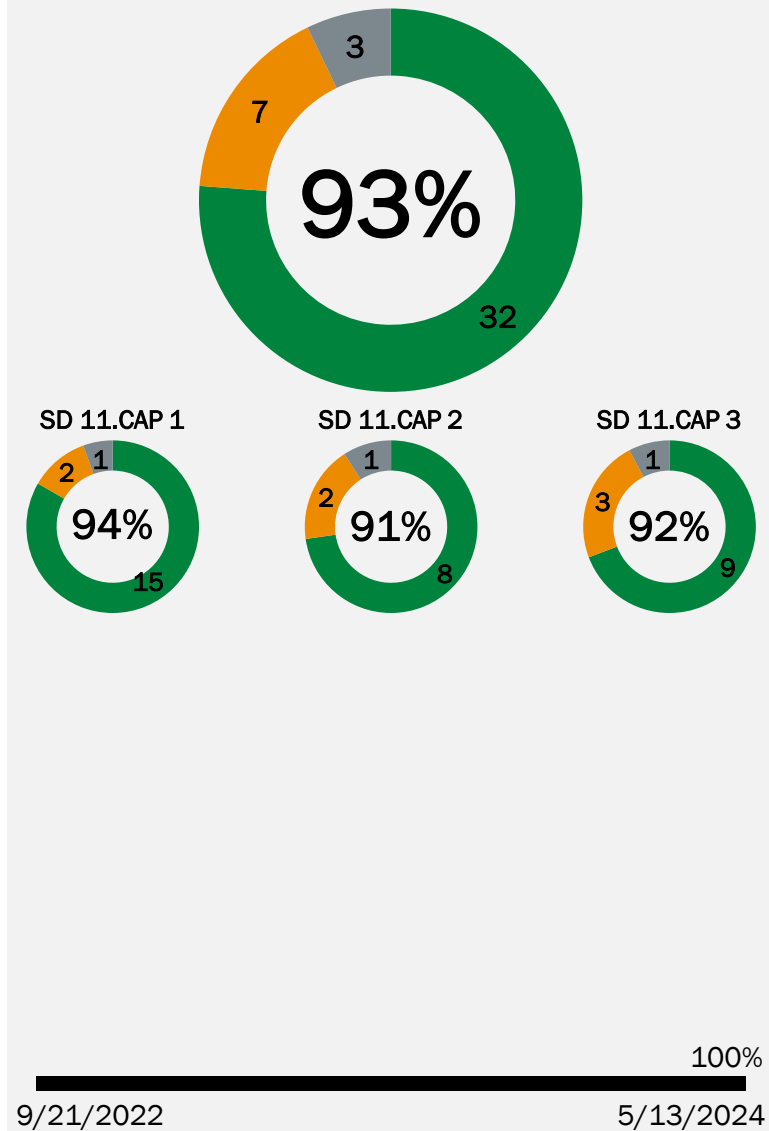


- F1: Developing second draft of SMS implementation plan to close gaps and implement SMS.
- F2/F3: Established safety risk tiers
- F4: Completed backlog of reports
- F5: Identified gaps Safety Risk Assessment Training
- F6: Evaluated Safety Data products
- Completed Safety Department Staffing Analysis and submitting weekly hiring updates to FTA, completed Strategic Hiring Plan

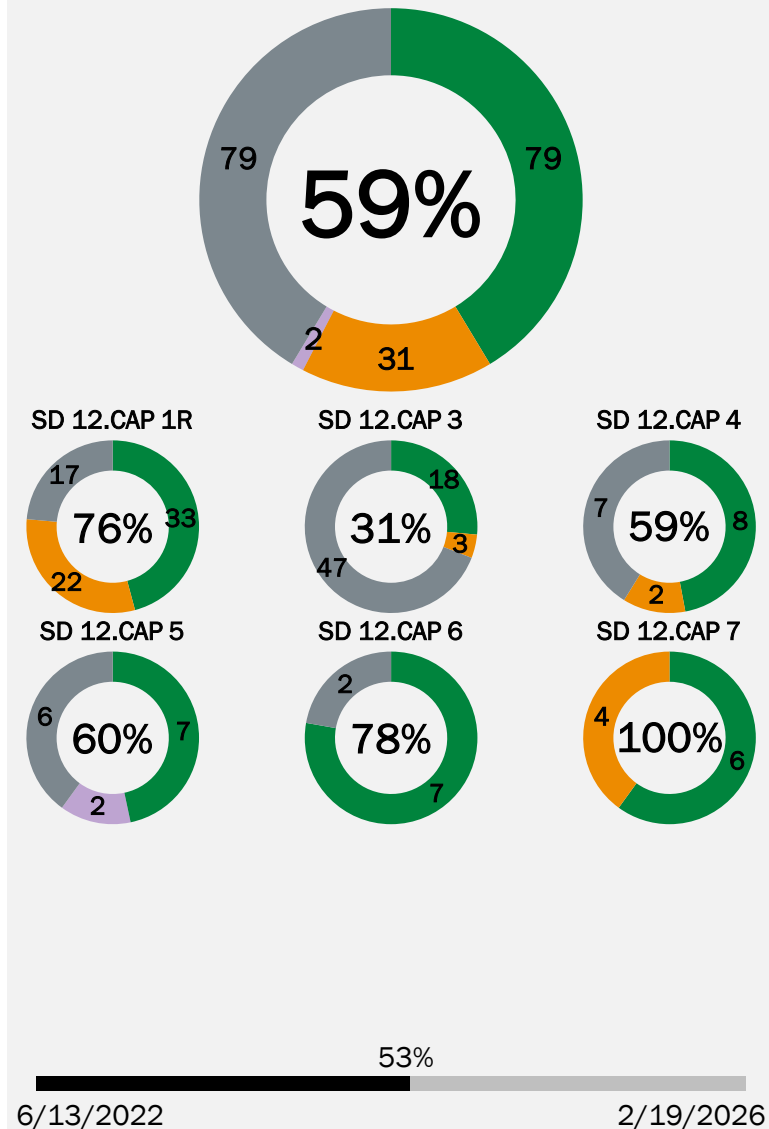


SD 22-11: Safety Communication

- F1: All action items completed, under FTA verification
- F2: All action items completed, under FTA verification
- F3: All action items completed, under FTA verification



SD 22-12: Policies, Procedures & Training



- F1/F2: Developing process for referral and reporting on rules compliance with front line worker feedback.
- F3: Messaging the Quality Management System Manual to the Authority.
- F4: Developed Recommendations for Centralized Training Governance
- F5: Developed plan for digitization for PMIs for E&M and VM
- F6: Evaluated program design for Rail Ops mentorship
- F7: Completed all action items, FTA verified quarterly Radio Weak Spots assessment. CAP CLOSURE REQUESTED

