



# Massachusetts Bay Transportation Authority

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FTA Safety Management Inspection Update  
MBTA Safety, Health & Environment Committee Meeting  
May 11, 2023  
Katie Choe, Chief of Quality, Compliance & Oversight



# SD 22-05: New Supplemental CAP Approved by FTA

During the process of responding to SD 22-05, MBTA, in collaboration with FTA, has identified further opportunities to improve management processes of our rail vehicle fleet.

**New Supplemental CAP:** A Project Improvement Plan for enhanced inspection procedures for the exterior of trains prior to revenue service was approved by the FTA as a supplemental CAP.



# April 18, 2023 Immediate Action Letter

## Track Access Procedures & Compliance

- Documentation Review and Verification

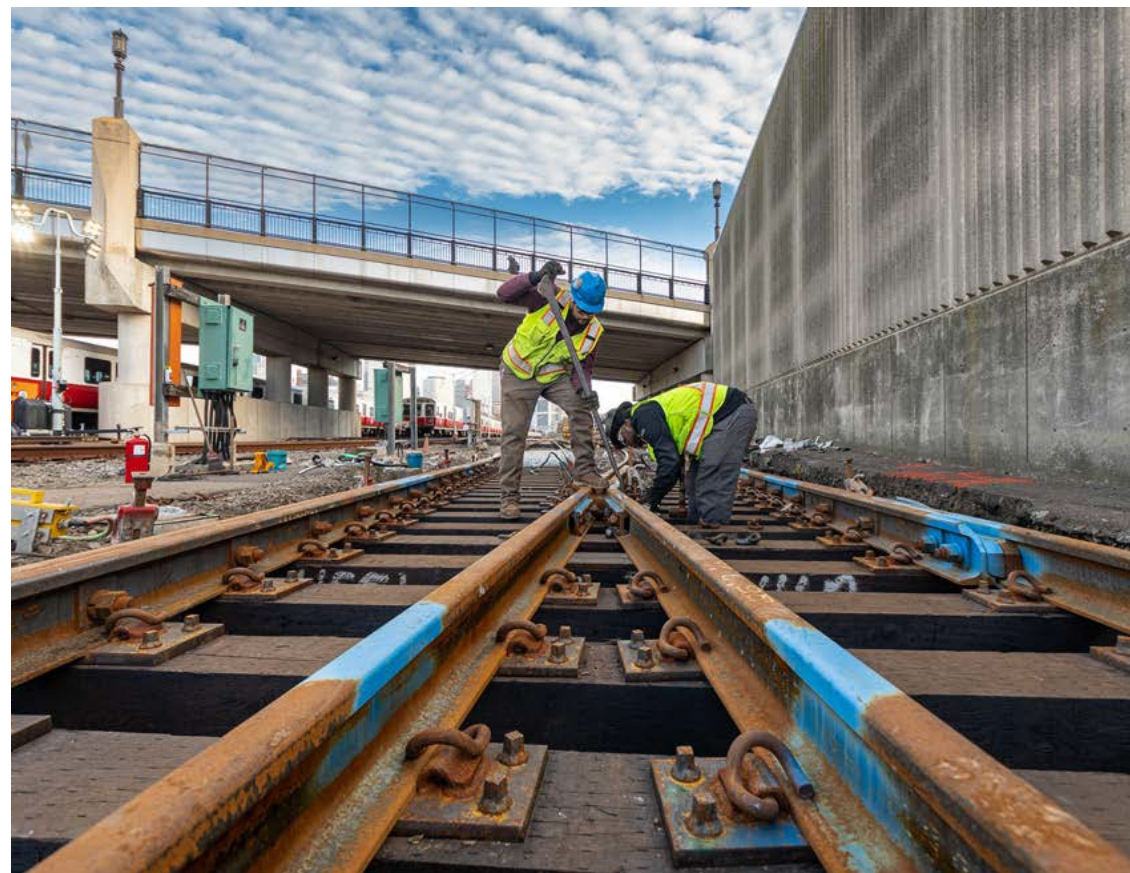
## Track Access Capacity

- Analysis of Radio and Communication Protocols
  - Audit of radio communication for 30 day period complete, to be submitted 5/5/2023
- Analysis of Work Crew Limitations per Line
- Analysis of Track Access Tools & Documents

## ROW Rules Compliance & Safety Work Plan

## ROW Training Revisions

- Accelerated ROW Training Timeline
- New Practical Module & Revised Content
- Retrain All Personnel



# SMI Response Progress Summary

## SD 22-04 Track Maintenance & PPE

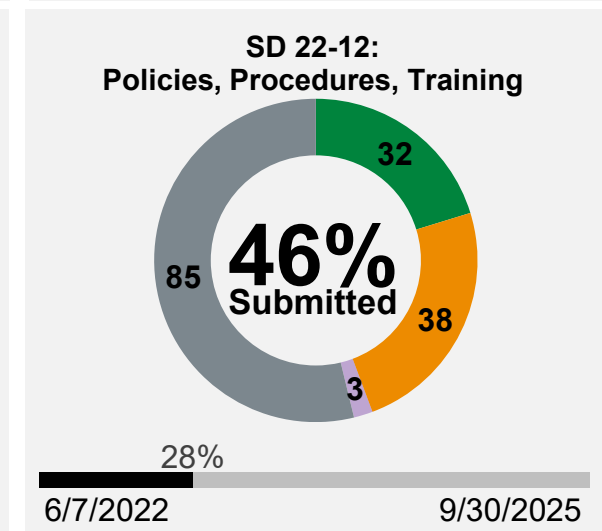
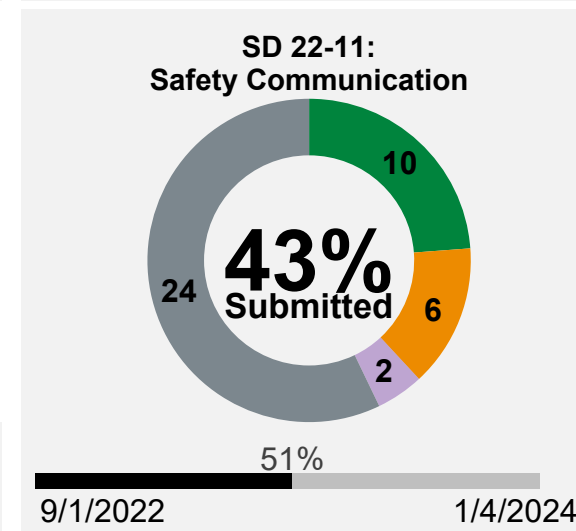
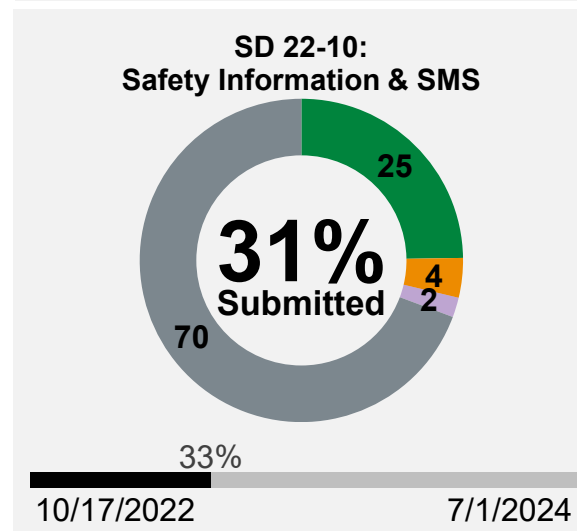
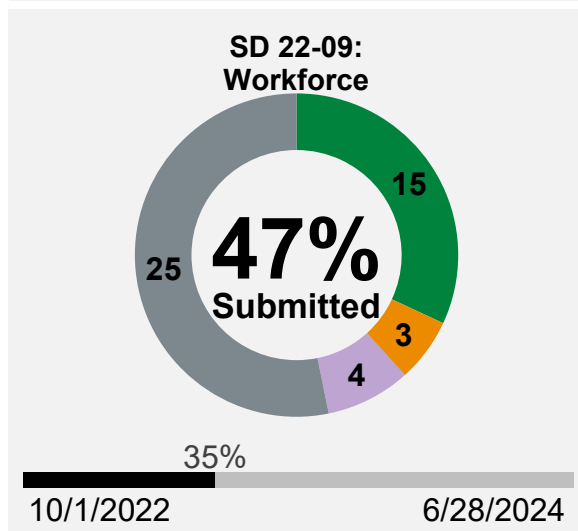
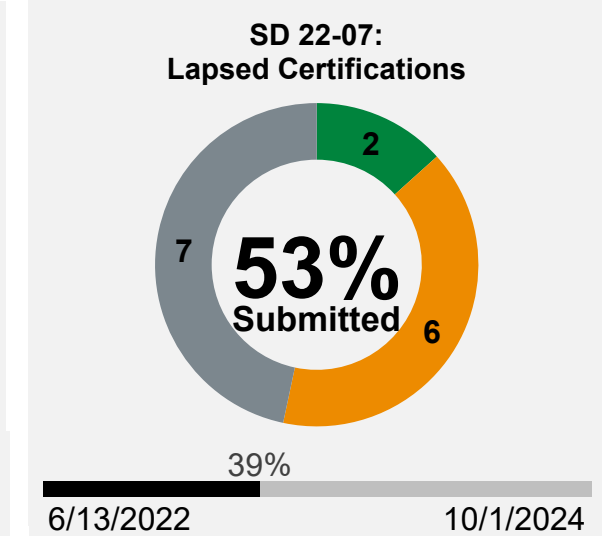
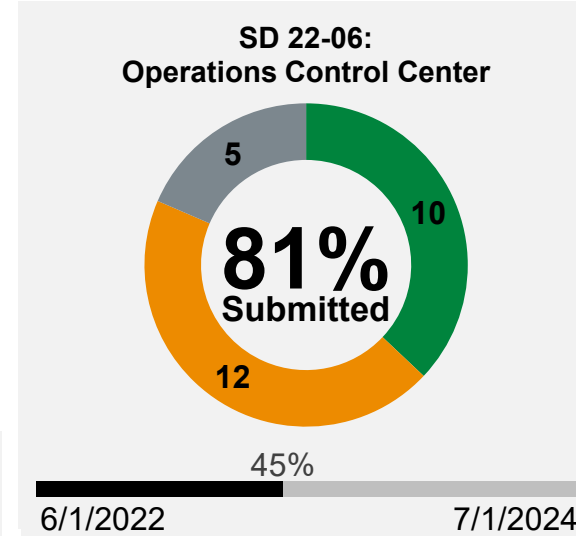
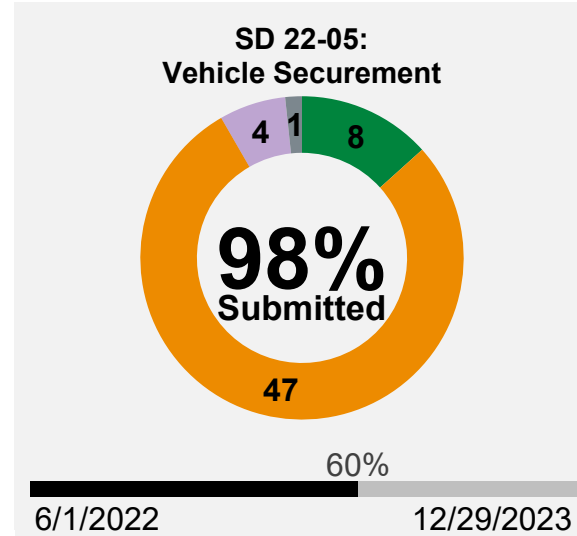
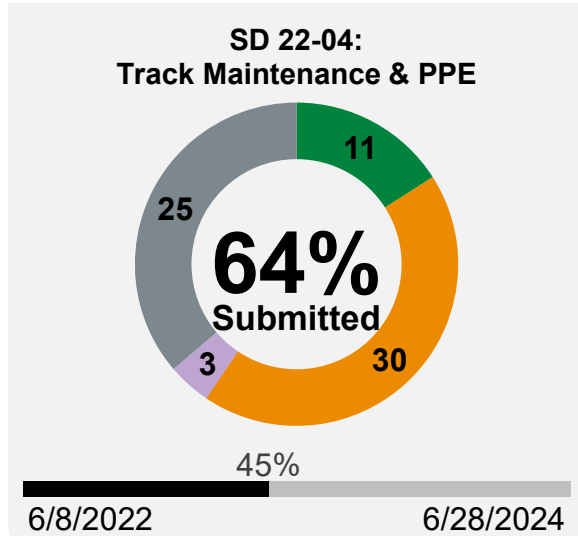
- F3: Raised Tufts Curve Speed Restriction from 10MPH to 18MPH
- Cologne Egg Replacement Complete
- New rail installed
  - Punch list items underway
  - Final cleanup and removal of all OTM (other track material)
  - FTA walk and inspection



Submissions Accepted  
Under FTA Review

Resubmittal Required  
Not Yet Submitted

# FTA SMI Response Progress Summary



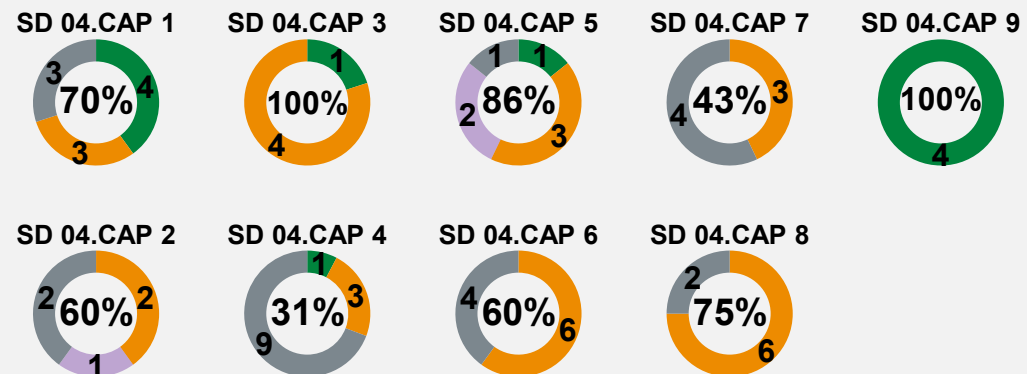
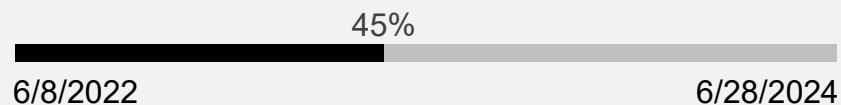


# SD 22-4: Track Maintenance & PPE

- F1: Administered On-Site PPE Fairs to distribute Updated PPE to Employees
- F2: Developed and Implemented PPE & ROW Compliance Program
- F3: Raised Tufts Curve Speed Restriction from 10MPH to 18MPH. Cologne Egg replacement complete.
- 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
- F9: Restored Green Line Work Train to Working Order – CAP CLOSED

## By the Numbers:

- 9 Findings: 0 Closed, 9 Ongoing



Submissions Accepted  
Under FTA Review

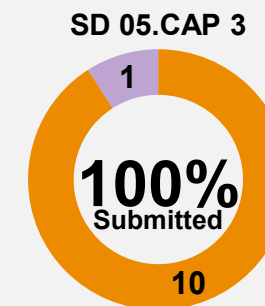
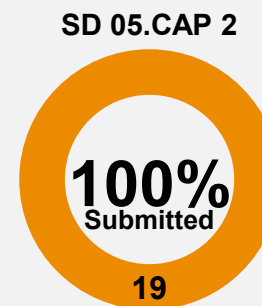
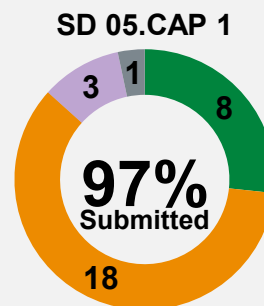
Resubmittal Required  
Not Yet Submitted

# 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

## By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing

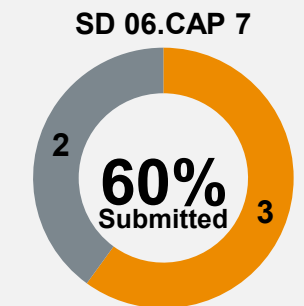
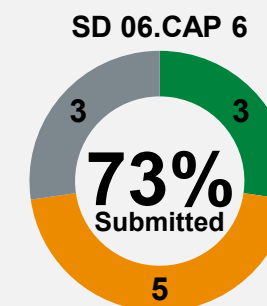
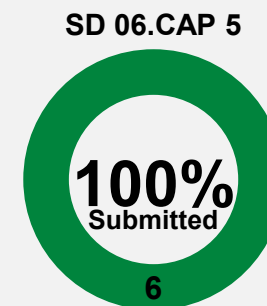
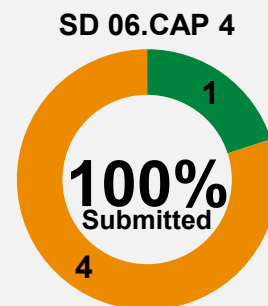
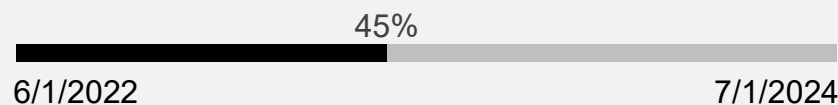


# SD 22-6: Operations Control Center

- F1: Ensured that staff working in OCC are certified
- F2: Established policies to ensure OCC staff have sufficient time off between shifts
- F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles
- F4: Ensured 100% Compliance with Work Hour Restrictions
- 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: 0 Closed, 7 Ongoing





Submissions Accepted  
Under FTA Review

Resubmittal Required  
Not Yet Submitted

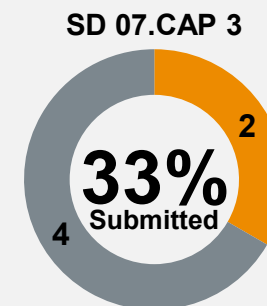
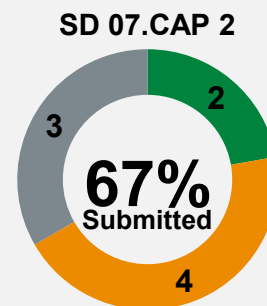
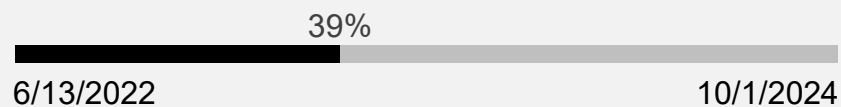
# SD 22-7: Lapsed Certifications

- F1: Ensured 100% of Operating Personnel Are Current in Certifications
- F2: Ensured 100% of Operating Personnel Are Current in Certifications
- 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

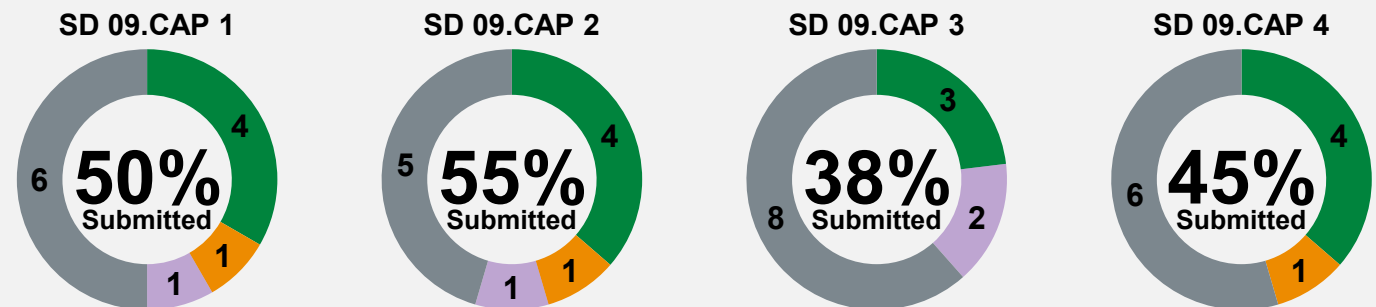
Resubmittal Required  
Not Yet Submitted

# SD 22-9: Workforce

- F1: Began Workforce Assessment
- F2: Began Hiring & Recruitment Plan Status Review
- F3: Selected Safety Engineering & Certification Program Consultant
- F4: Implemented Contractor Outreach and Engagement Program

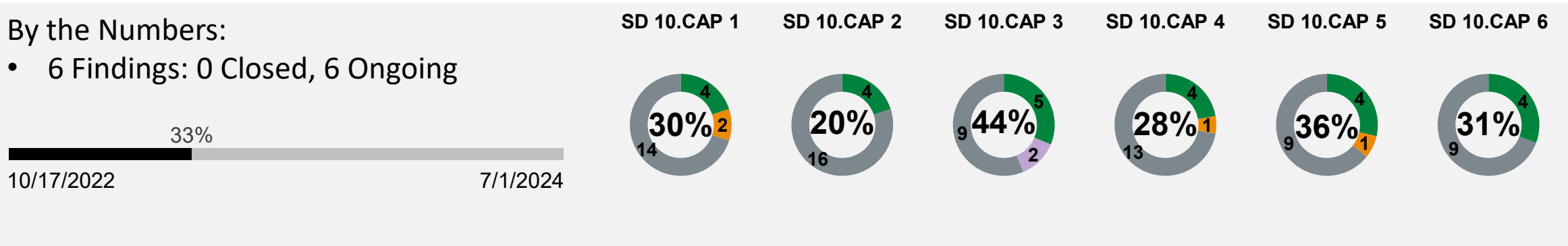
## By the Numbers:

- 4 Findings: 0 Closed, 4 Ongoing



# SD 22-10: Safety Information & SMS

- F1: Onboarded consultant for SMS Implementation
- F2: Onboarded consultant for Executive Communication
- F3: Developed map of safety data sources across the Authority
- F4: Onboarded consultant for Safety Assurance Process
- F5: Onboarded consultant for Safety Risk Assessment
- F6: Onboarded consultant for Safety Risk Monitoring



Submissions Accepted  
Under FTA Review

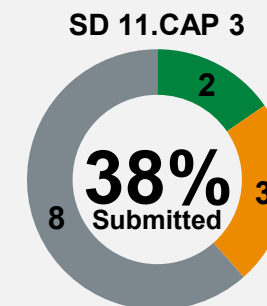
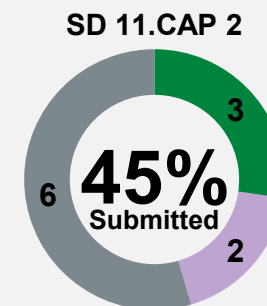
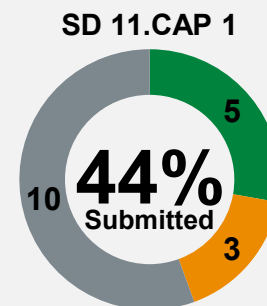
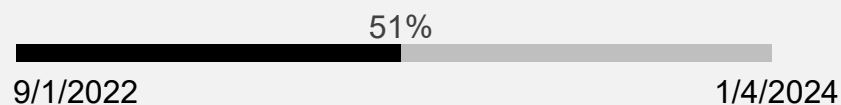
Resubmittal Required  
Not Yet Submitted

# SD 22-11: Safety Communication

- F1: Established Meeting Manager Cohort and Peer Sharing
- F2: Scheduled & Published Local Safety Committee Meeting Series
- F3: Published Employee-Focused Safety Helpline SOP

## By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing



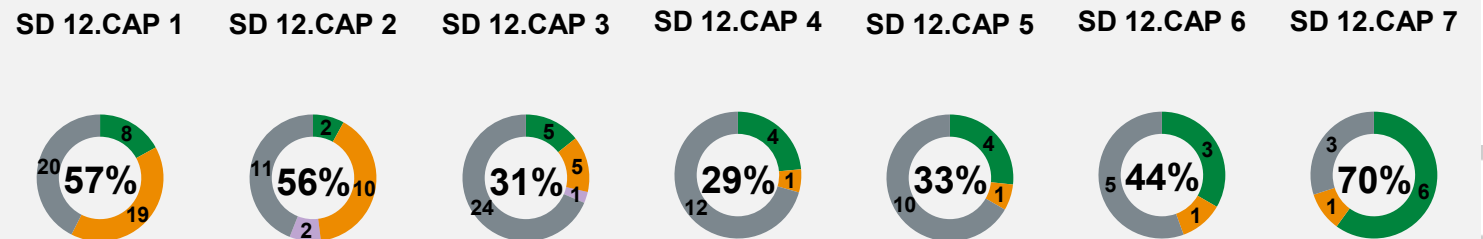
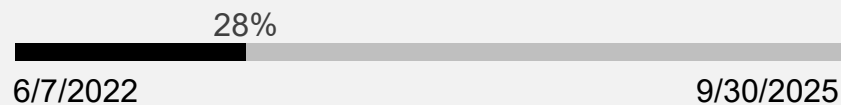


# SD 22-12: Policies, Procedures & Training

- F1: Engaged Frontline Workers Formally in Rules Compliance and Rules Reviews
- F2: Began Rulebook Review and Revision Process
- F3: Issued Quality Management Plan & Monthly Executive Briefing
- F4: Began Revision and Formal Documentation of Training Curricula
- F5: Engaged Technical Expertise for Digitization of Procedures
- 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



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Questions?

