



Massachusetts Bay Transportation Authority

FTA Safety Management Inspection Update

MBTA Board of Directors Meeting

October 24, 2023

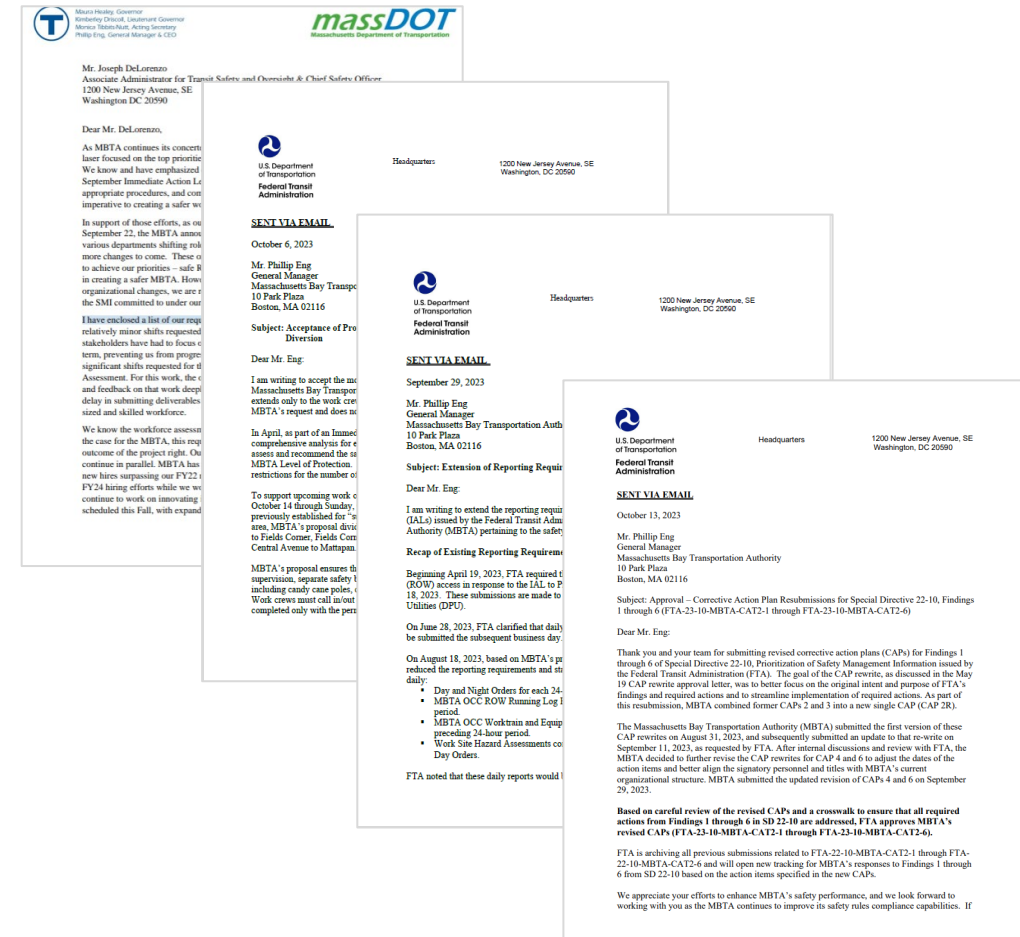
Meredith Sandberg, Chief of Quality, Compliance & Oversight



MBTA continues to coordinate closely with the FTA

Procedural updates

- On 9/29/2023 QCO proposed relief for CAP work due to MBTA's focus on safe ROW Access & MBTA personnel changes
- On 9/29/2023 FTA directed MBTA to continue its current reporting stance for the April Immediate Action Letter through December 2023
- On 10/6/2023 FTA approved MBTA's requested amendments to our work crew limitations in order to support our upcoming Red Line Surge
- On 10/13/2023 the FTA approved our 22-10 CAP revisions



The Orange Line Exterior Vehicle Inspection (EVI) pilot wrapped up last week

- Total number of EVIs completed from 8/11/2023 to 10/3/2023: **432**
- Daily average number of cars receiving an EVI: **45**
- Average percentage of cars in service each day that received an EVI the previous evening **92%**
- Over two-thirds of EVIs are performed between 12:00 AM and 3:00 AM.

**Orange Line Vehicles
Exterior Vehicle Inspection (EVI)**

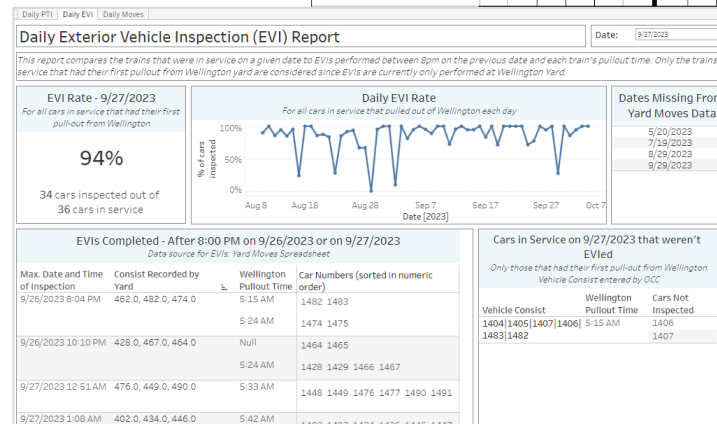
All items below must be inspected and any defects MUST be reported immediately reported to Yardsmaster and Train held out of service

Date: _____ Time: _____ am/pm Location: _____

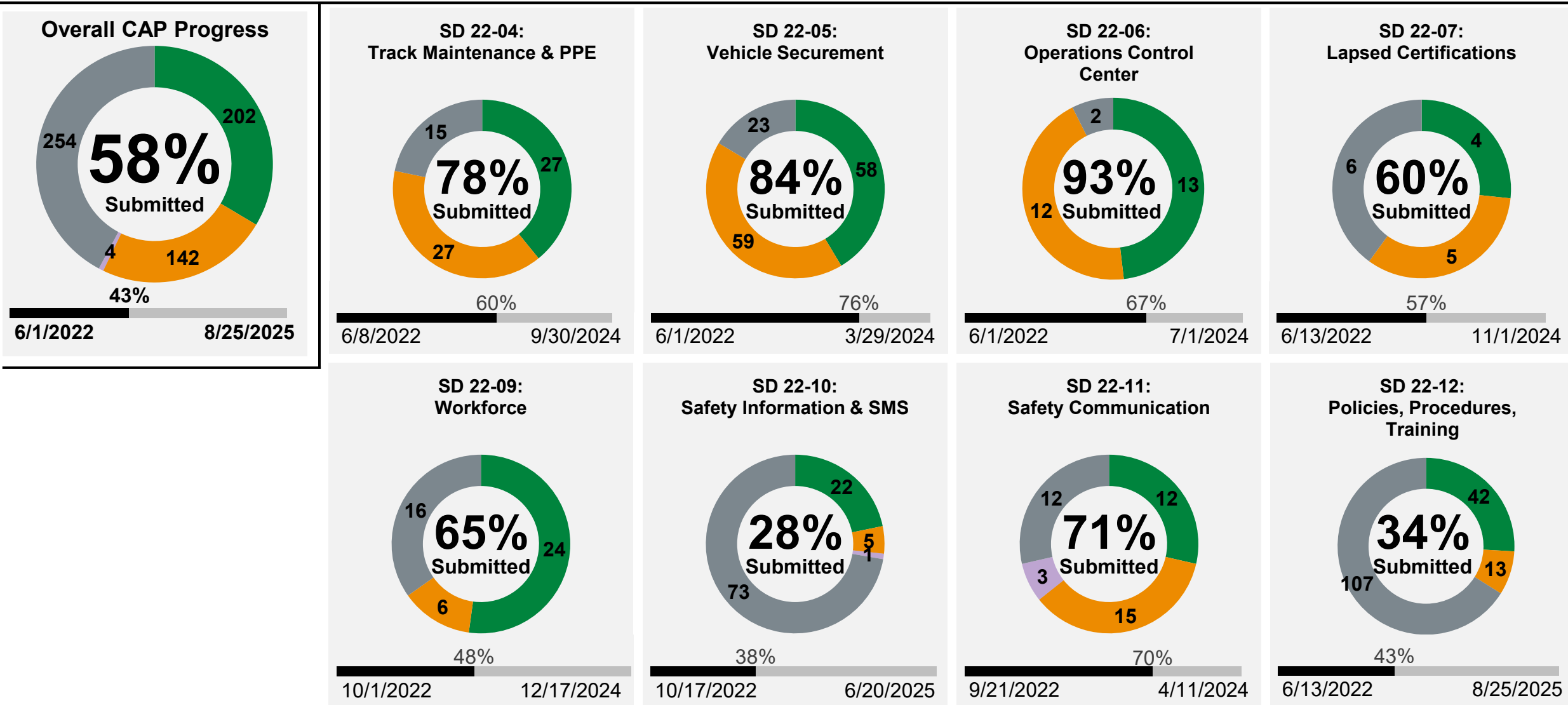
Vehicles: (SOUTH TO NORTH) 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____

Place an "X" for a defect in the corresponding box

| Exterior Inspection | Guard Side | | | | | | Motorperson Side | | | | | |
|--|------------|---|---|---|---|---|------------------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 |
| Brakes: Inspect for missing brake shoe or damaged brake shoe. | | | | | | | | | | | | |
| Shunt Strap: Inspect for missing, or broken shunt strap. | | | | | | | | | | | | |
| Compartment Doors: Inspect for open, missing, hanging, or unsecured doors. | | | | | | | | | | | | |
| Body Panels: Inspect for any bent, protruding, hanging, or visibly loose panels that could pose a hazard. | | | | | | | | | | | | |
| Air Hoses or Cables: Inspect for hoses/cables that make contact with the ground. | | | | | | | | | | | | |
| Trig Cocks: Inspect for damage/bent or broken trig arm. | | | | | | | | | | | | |
| 1st Rail Contact Shoe: Inspect for missing contact shoe. | | | | | | | | | | | | |



FTA SMI Response Progress Summary



Questions?



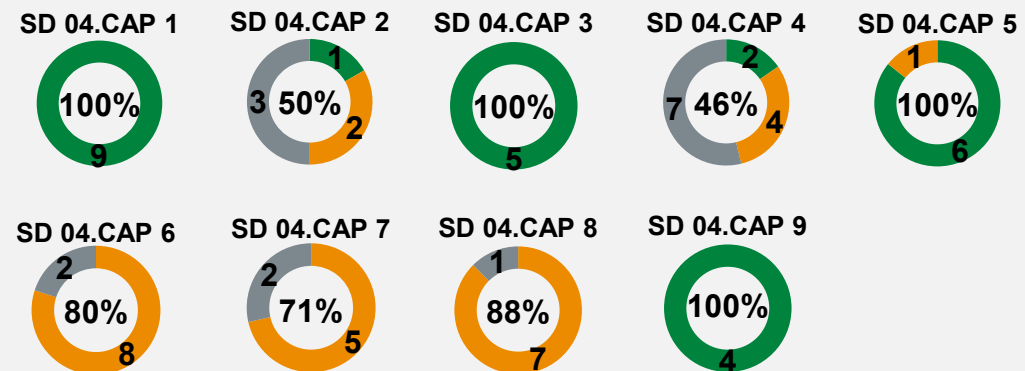
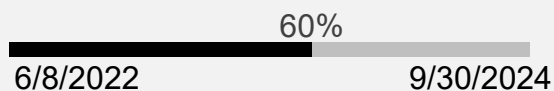


SD 22-4: Track Maintenance & PPE

- ✓ F1: Published updated Rulebook for Operations Employees incorporating PPE requirements – CAP CLOSED
- 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: Implemented trials for ROW access planning
- F5: Submitted budget requests for MOW equipment and resource needs – CAP Closure request submitted 8/28
- F6: Developed Capital Funding Request & Plan for Accelerated Implementation of EAM
- **F7: Developed and Implemented New Weekly Track Conditions 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: 3 Closed, 6 Ongoing



Submissions Accepted
Under FTA Review

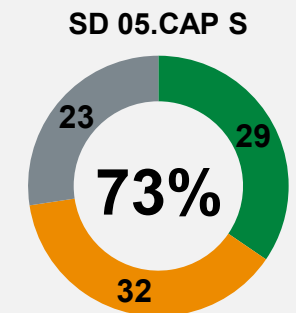
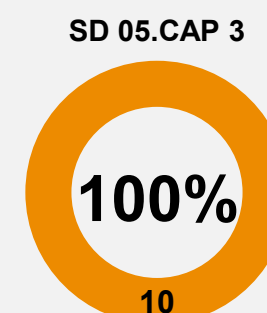
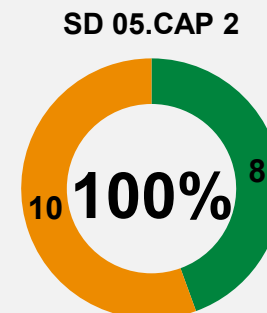
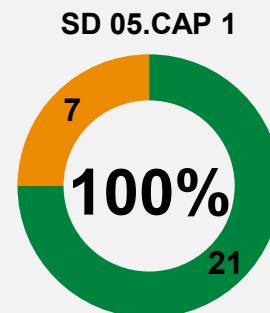
Resubmittal Required
Not Yet Submitted

SD 22-5: Vehicle Securement

- F1: Submitted Supplemental CAP for EV Inspections
- F2: Completed Training of All Heavy and Light Rail Personnel
- F3: Implemented Compliance Program for Safe Movement
- Supplemental: Red Line pilot will begin 10/10/23, Chain of Custody work plan submitted 9/29/23

By the Numbers:

- 3 Findings: 0 Closed, 3 Ongoing



SD 22-6: Operations Control Center

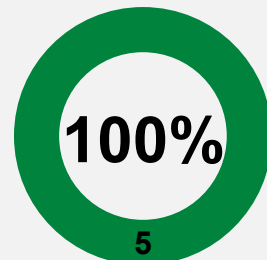
- ✓ F1: Ensured that staff working in OCC are certified – FINDING CLOSED
- ✓ F2: Established policies to ensure OCC staff have sufficient time off between shifts – FINDING CLOSED
- ✓ F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles – FINDING CLOSED
- ✓ F4: Ensured 100% Compliance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

By the Numbers:

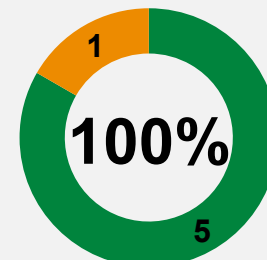
- 7 Findings: 4 Closed, 3 Ongoing



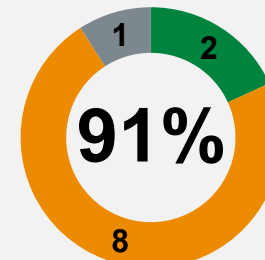
SD 06.CAP 4



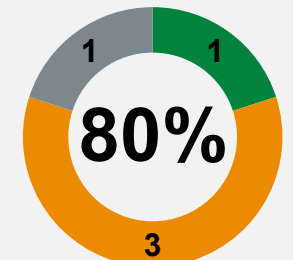
SD 06.CAP 5



SD 06.CAP 6



SD 06.CAP 7

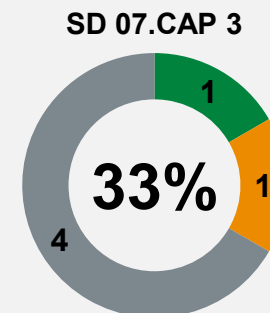
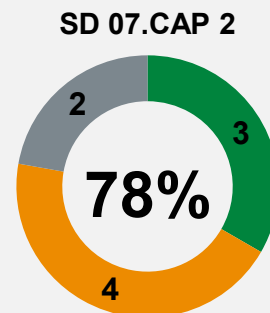
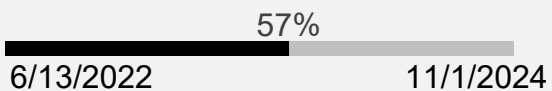


SD 22-7: Lapsed Certification Process

- F1: Ensured 100% of Operating Personnel Are Current in Certifications – Finding Closure Requested
- 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

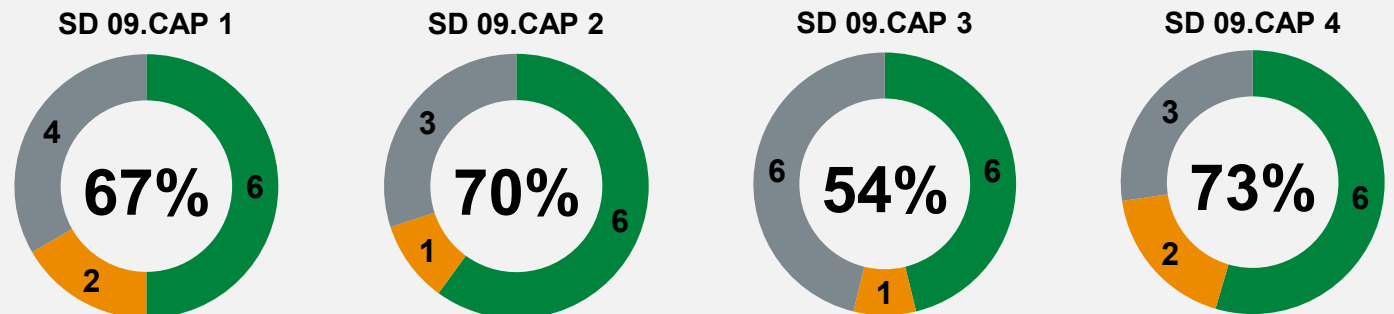
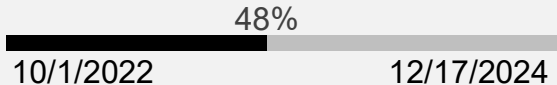
Resubmittal Required
Not Yet Submitted

SD 22-9: Workforce

- F1: Reviewed service level concept and safety risk assessment approach with FTA – Closure requested
- F2: Determined hiring and retention challenge areas to explore to enable the ultimate hiring plan
- **F3: Submitted review of current Safety Certification policy**
- F4: Implemented Contractor Outreach and Engagement Program

By the Numbers:

- 4 Findings: 0 Closed, 4 Ongoing



Submissions Accepted
Under FTA Review

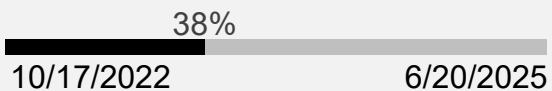
Resubmittal Required
Not Yet Submitted

SD 23-10: Safety Information & SMS

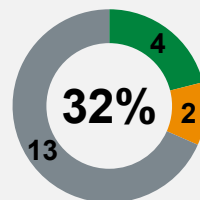
- F1: Rewritten CAP approved 10/13/2023
- F2/F3: Combined rewritten CAP approved 10/13/2023
- F4: Rewritten CAP approved 10/13/2023
- F5: Rewritten CAP approved 10/13/2023
- F6: Rewritten CAP approved 10/13/2023
- Completed Safety Department Staffing Analysis and submitting weekly hiring updates to FTA, completed Strategic Hiring Plan

By the Numbers:

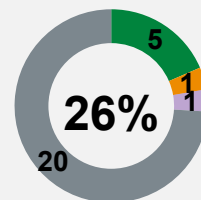
- 6 Findings: 0 Closed, 6 Ongoing



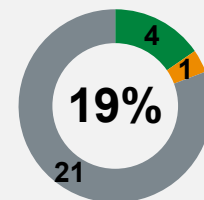
SD 10.CAP 1



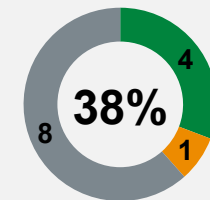
SD 10.CAP 2



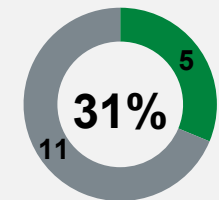
SD 10.CAP 4



SD 10.CAP 5



SD 10.CAP 6



Submissions Accepted
Under FTA Review

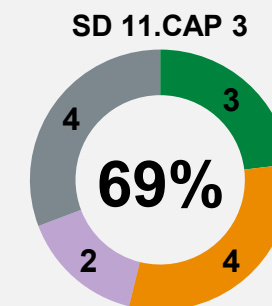
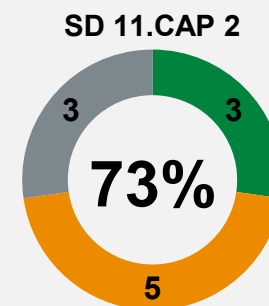
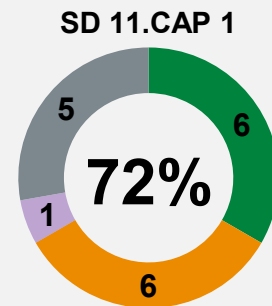
Resubmittal Required
Not Yet Submitted

SD 22-11: Safety Communication

- **F1: Submitted meeting charters to FTA**
- 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



SD 22-12: Policies, Procedures & Training

- **F1: Received approval of rewritten CAP from FTA**
- **F2: Received approval of rewritten CAP from FTA**
- F3: Submitted a request for CAP 3 rewrite 9/7/23
- 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, **Developing SOPs for Systemwide Radio**

By the Numbers:

- 7 Findings: 0 Closed, 7 Ongoing

