



# Massachusetts Bay Transportation Authority

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FTA Safety Management Inspection Update

MBTA Board of Directors Meeting

March 23, 2023

Katie Choe, Chief of Quality, Compliance & Oversight



# Green Line Work Train CAP (SD 22-4, CAP 9) was closed by the FTA March 3, 2023

On March 3, 2023, the FTA notified the MBTA that it has approved the closeout of Special Directive 4 CAP 9.

Finding 9: MBTA's Green Line work train has been inoperable for at least 8 months.

Required Action: MBTA must restore Green Line work train capabilities.

This is the first CAP closure of the Safety Management Inspection.



# QCO has incorporated DPU 3/7 findings into planned corrective work with associated FTA Special Directives and CAPs

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## **Priority 1 Conditions & 3<sup>rd</sup> Rail Red Line:**

- Work is closely related to various CAPs in SD 22-4.

## **PPE Briefing Red Line:**

- PPE training is being developed as the next action in SD 22-4 CAP 1 and additional work is aligned with CAPs in 22-7 and 22-12.

## **Electrical Boxes Red Line:**

- Work is aligned with various CAPs in SD 22-4.

## **Headlights Red Line:**

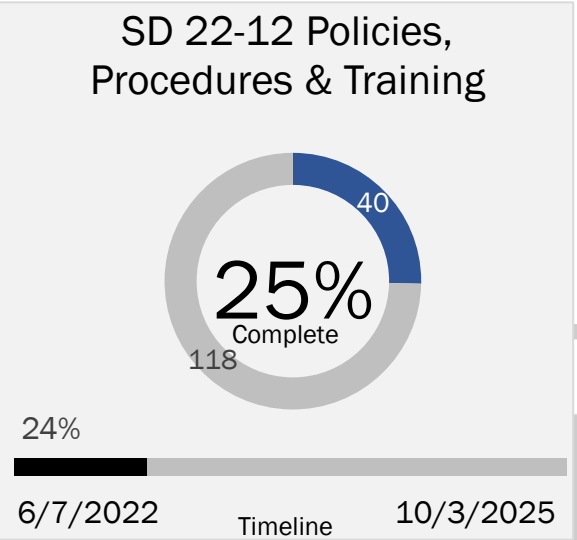
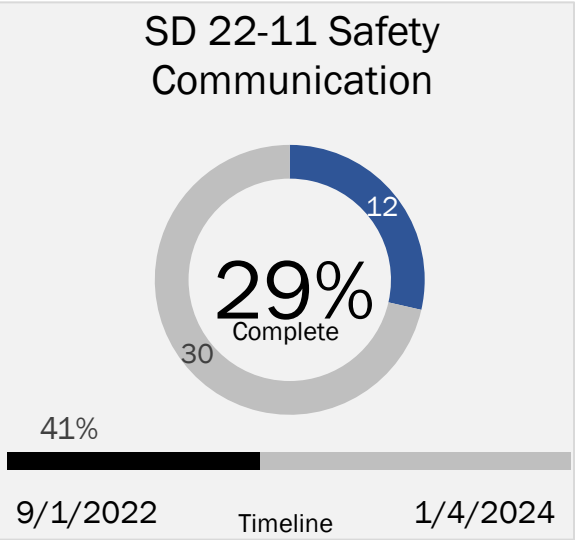
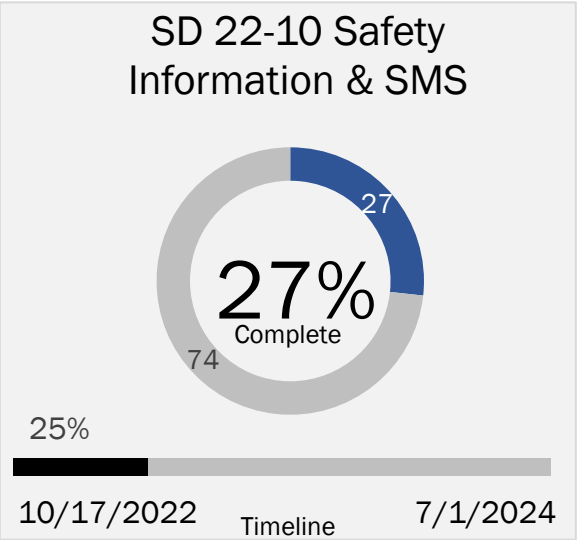
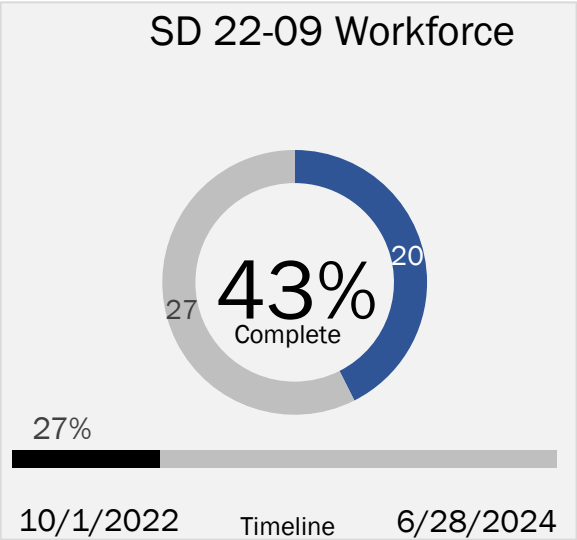
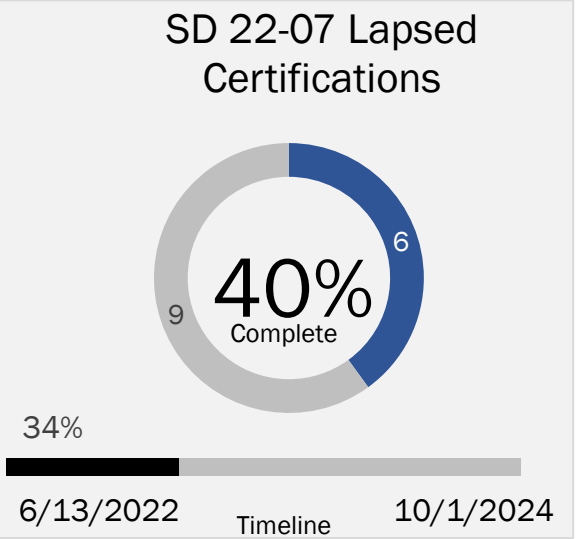
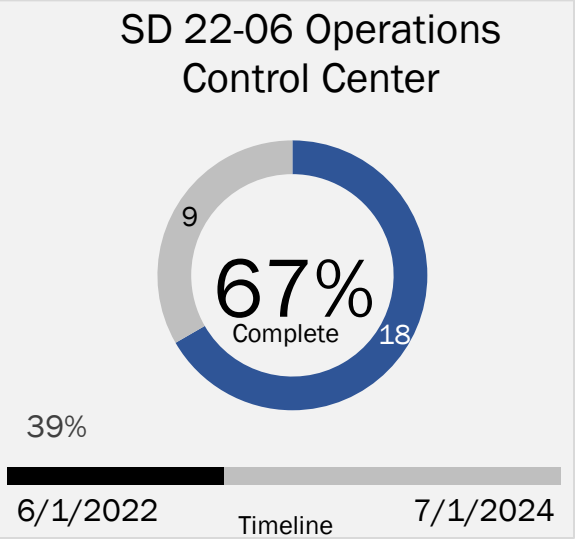
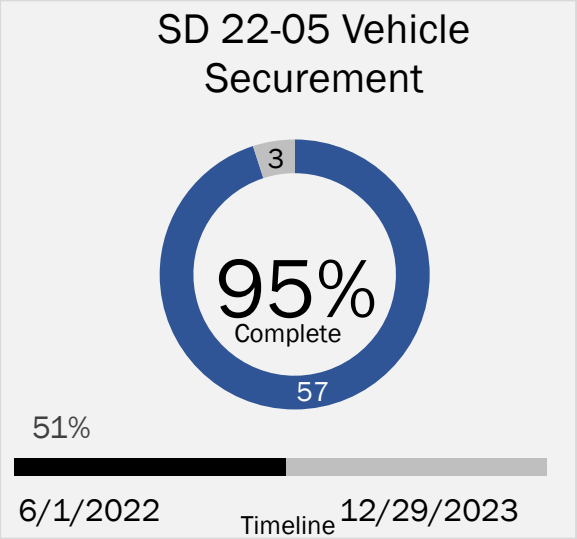
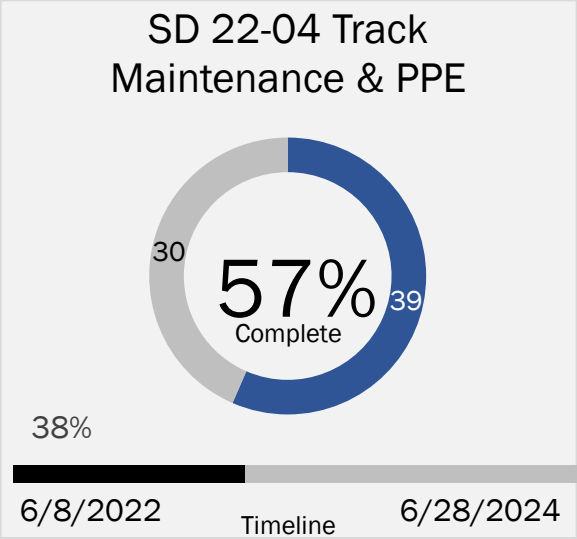
- Work is related to various CAPs in SD 22-12.

## **Reporting of Overshooting Platform:**

- Work is related to various CAPs in SD 22-12.

Safety will verify the immediate actions are executed to address the DPU's findings and directives. QCO will monitor and manage the longer-term process improvements associated with the directives.

# FTA SMI Response Progress Summary



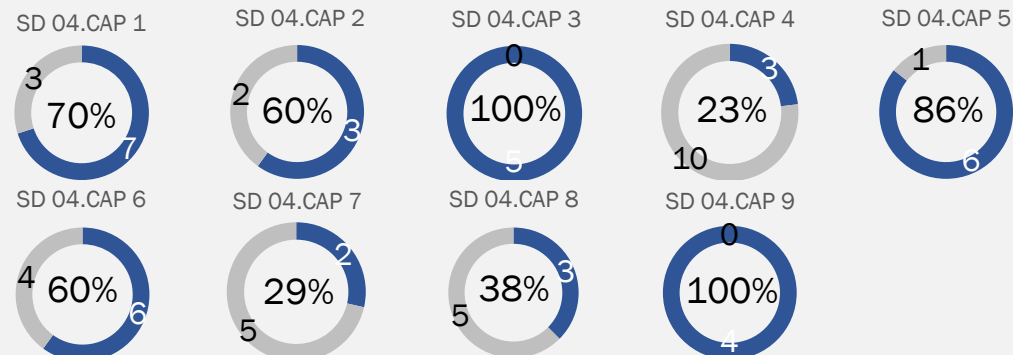
# SD 22-4: Track Maintenance & PPE

- F1: New Footwear PPE Policy went into Effect 3/1/23; All New Requirements Now In Effect
- F2: New PPE Compliance Program went into Effect 3/1/23
- F3: Raised Tufts Curve Speed Restriction from 10MPH to 18MPH  
NB Cologne Egg Replacement Complete; SB Ongoing
- F4: Engaged European Consulting Firm to Evaluate ROW Availability
- F5: Completed Initial Assessment of Maintenance Needs and Resource Availability; Additional Review Underway
- F6: Developed Capital Funding Request & Plan for Accelerated Implementation
- F7: Began Weekly Distribution of New Speed Restriction Report to Executives
- F8: Special Maintenance Repair Plan Drafted; Revisions Due to Geometry Tests Being Incorporated
- F9: Restored Green Line Work Train to Working Order – CAP CLOSED

## By the Numbers:

- 9 Findings: 0 Closed, 9 Ongoing

38%



Draft for Discussion & Policy Purposes Only

■ Action Items Completed ■ Action Items Remaining

# SD 22-5: Vehicle Securement

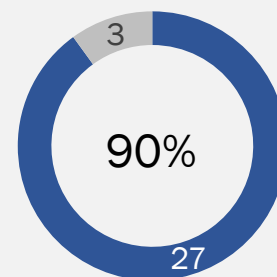
- F1: Developed & Implemented New Vehicle Securement Procedures
- F2: Completed Training of All Heavy and Light Rail Personnel
- F3: Developed Compliance Program and Prototyping to Validate

## By the Numbers:

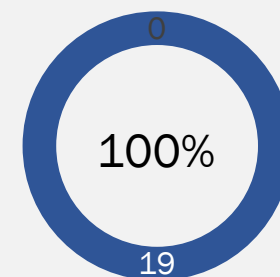
- 3 Findings: 0 Closed, 3 Ongoing



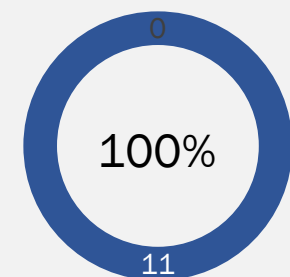
SD 05.CAP 1



SD 05.CAP 2



SD 05.CAP 3



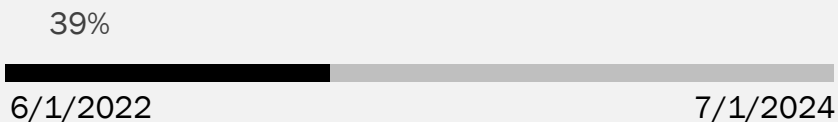
■ Action Items Completed ■ Action Items Remaining

# SD 22-6: Operations Control Center

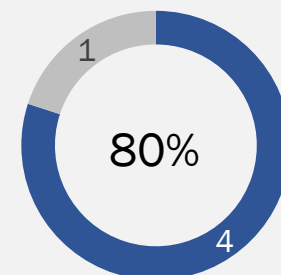
- F1: Recertified 100% of OCC Staff
- F2: Ensured 100% Compliance with Work Hour Restrictions
- F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles
- F4: Ensured 100% Compliance with Work Hour Restrictions
- F5: Staffed to 26 Dispatchers Including Supplemental Resources
- F6: Implementing plan to make OCC role more attractive
- F7: Recertified 100% of OCC Staff

## By the Numbers:

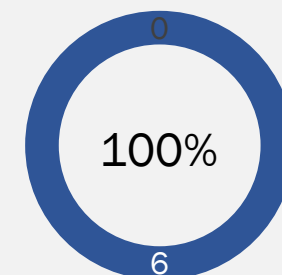
- 7 Findings: 0 Closed, 7 Ongoing



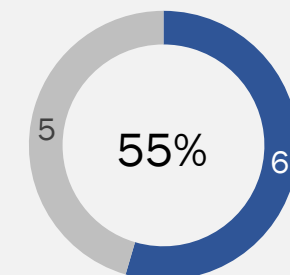
SD 06.CAP 4



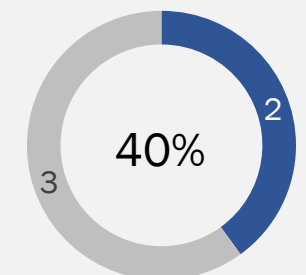
SD 06.CAP 5



SD 06.CAP 6



SD 06.CAP 7



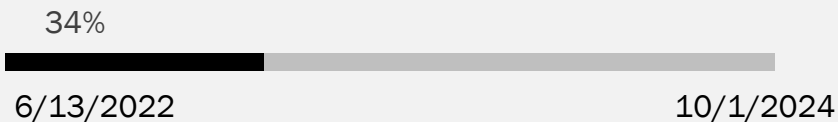
# SD 22-7: Lapsed Certifications

- 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

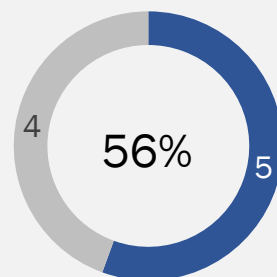
## Designing and Implementing Certification Management Procedures

### By the Numbers:

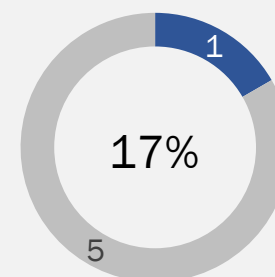
- 3 Findings: 0 Closed, 3 Ongoing



### SD 07.CAP 2



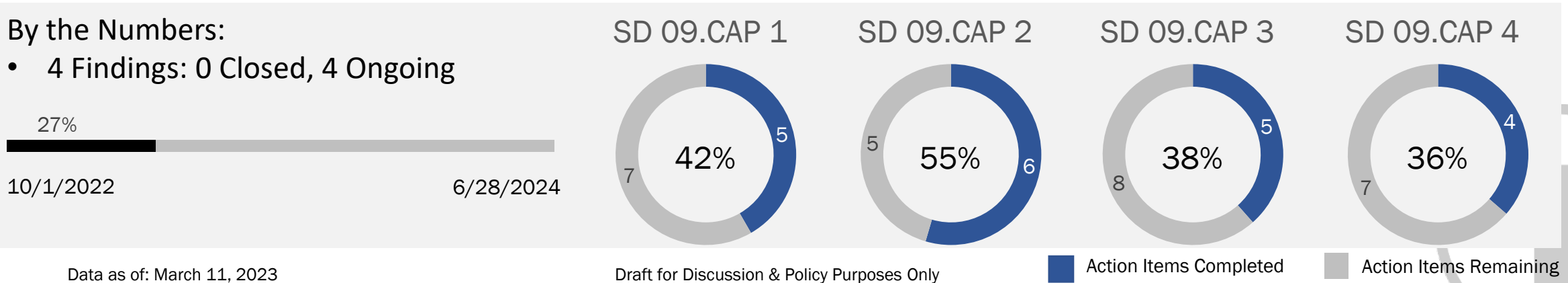
### SD 07.CAP 3





# SD 22-9: Workforce

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

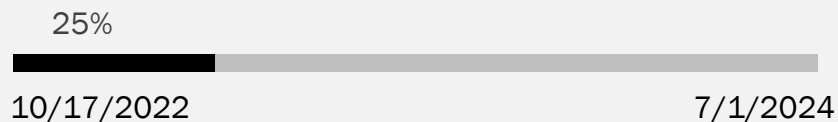


# SD 22-10: Safety Information & SMS

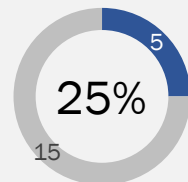
- F1: Onboarded consultant for SMS Implementation
- F2: Onboarded consultant for Executive Communication
- F3: Began mapping all safety data sources across the Authority
- F4: Onboarded consultant for Safety Assurance Process
- F5: Onboarded consultant for Safety Risk Assessment
- F6: Onboarded consultant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

## By the Numbers:

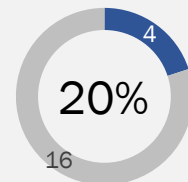
- 6 Findings: 0 Closed, 6 Ongoing



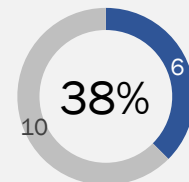
SD 10.CAP 1



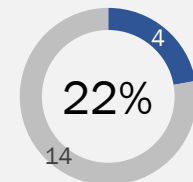
SD 10.CAP 2



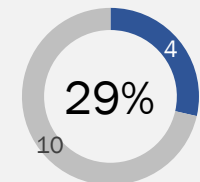
SD 10.CAP 3



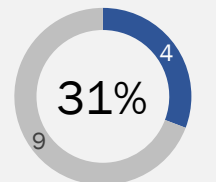
SD 10.CAP 4



SD 10.CAP 5



SD 10.CAP 6



# SD 22-11: Safety Communication

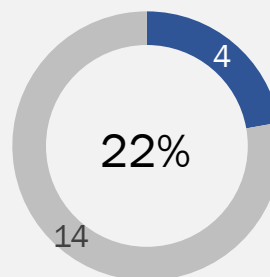
- F1: Standardized Local Safety Committee Procedures
- F2: Scheduled & Published Local Safety Committee Meeting Series
- F3: Launched Employee Concerns Hotline & Safety Hotline Campaign

## By the Numbers:

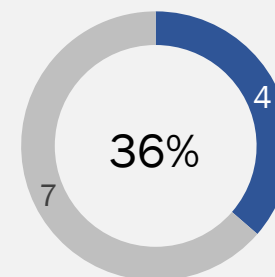
- 3 Findings: 0 Closed, 3 Ongoing



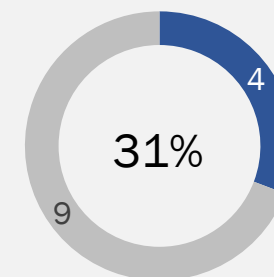
### SD 11.CAP 1



### SD 11.CAP 2

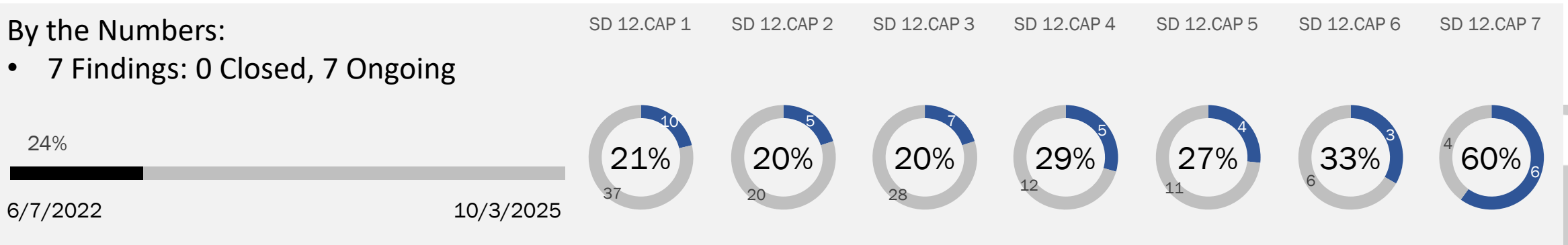


### SD 11.CAP 3



# SD 22-12: Policies, Procedures & Training

- F1: Established Rules Compliance Working Group
- F2: Engaged consultant for Rules Compliance & Monitoring Program
- F3: Issued Quality Management Plan & Monthly Executive Briefing
- F4: Selected Consultant for Technical Training Development
- F5: Developing RFP for Electronic Manual & Tool Development
- F6: Issued RFP for Mentoring Program
- F7: Completed Repairs on 17 of 18 Radio Weak Spots



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# Questions

