

# Rail Activation Management Program (RAMP) Update

**TOPS Committee**

**May 29, 2024**



# Agenda

- **Scorecard**
- **Top Risks**
- **Soft Launch**
- **Marketing**
- **Recent Activities**
- **Upcoming Activities**

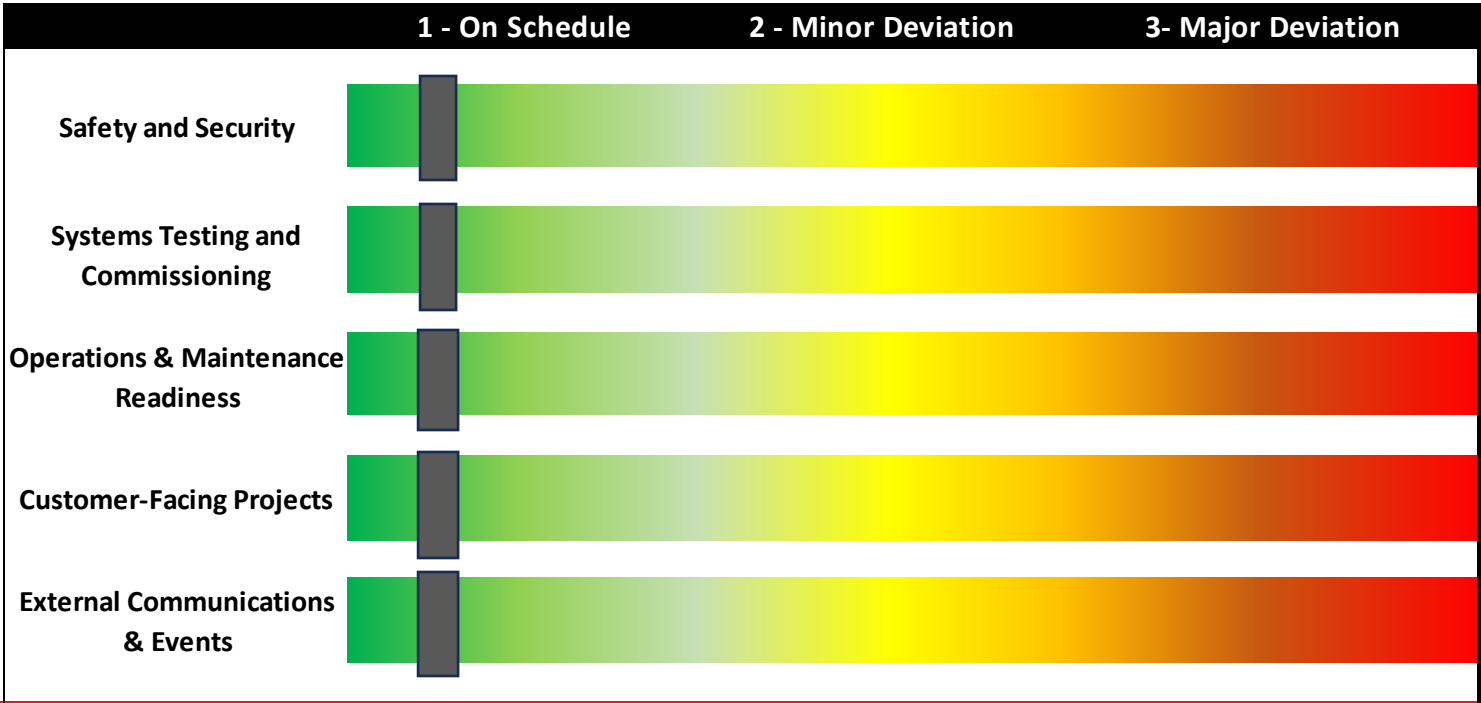
# Scorecard Update

# Rail Activation Management Program (RAMP)

- RAMP reporting identifies critical activities essential for a successful public launch
- The RAMP Scorecard includes the following information:
  - Safety and Security
  - Systems Integration and Testing
  - Operations & Maintenance Readiness
  - Customer-Facing Projects
  - External Communications and Events

# RAMP Scorecard – Heat Map

HEAT MAP	
Status Reporting Legend	
<b>1 - On Schedule</b>	Item is on schedule and there are no quality/effectiveness issues of concern.
<b>2 - Minor Deviation</b>	There is a minor deviation from the schedule with a recovery plan in place; and/or, There are minor quality/effectiveness concerns with a plan in place to address them.
<b>3- Major Deviation</b>	There is a major deviation from the schedule, recovery will be a challenge; and/or, There are major quality/effectiveness concerns that will be difficult to address; and, Executive support or decision-making may be required.



# RAMP Scorecard – Go / No-Go List

GO   NO-GO LIST	
Status Reporting Legend	
<b>Go</b>	Ready for Revenue Service
<b>No-Go</b>	Not Ready for Revenue Service

Theme	Criteria for Start of Service	Status	Comments
<b>Safety</b>	Fulfilled all system safety and security certification requirements	No-Go	
	All employees adequately trained	No-Go	
<b>People</b>	Sufficient management capacity and capability to operate system	No-Go	
	Staff and stakeholders: Fully prepared and mobilized	No-Go	
<b>Training</b>	OCS safety awareness provided to emergency response personnel	Go	
	Training programs implemented for Caltrain and TASI employees	No-Go	
<b>Stations</b>	Completed all station walks and critical punch list work	No-Go	
<b>Trains</b>	All 16 EMUs delivered and burned in	No-Go	14 trains plus 2 spares
	Successful completion of Broadband wireless project	No-Go	
<b>Systems</b>	All system integration documentation and testing complete	No-Go	
	System performance during test runs is sufficiently robust/resilient	No-Go	
<b>Operations</b>	Successful completion of Pre-Revenue Operations planning	No-Go	
	Standard and emergency operating procedures have been updated	No-Go	
<b>Maintenance</b>	Warehouse space secured to store spare parts and special tooling	Go	
	Completion of necessary CEMOF improvements to service mixed fleet	No-Go	
<b>Energy</b>	Electricity procurement strategy finalized	No-Go	

# Rail Activation Risks

# Top Risks

Rail Activation Risks	Electrified Operations Risks
<del>Project delays leading to compressed timeline for start-up activities and O&amp;M readiness</del>	Ongoing theft issues after beginning passenger service
<del>Timely hiring of critical positions to support operations and maintenance of Traction Electrification System</del>	Grade crossing incursions and vehicle collisions
Translating institutional knowledge from project staff to Caltrain employees	Limited number of spare EMUs for the start of revenue service
	Ability to achieve stated ridership growth projections post-electrification
	Unauthorized users exploiting or accessing technology systems and rendering them inoperable

## Common Risk Items

- Long-lead times for procurements, spare parts, tools and equipment
- Storm/tree damage on the Caltrain Right-of-Way
- Adequate material and inventory tracking



# Soft Launch Plans

# Tentative Proposal

- Mid-August: Introduce first electric train(s) into existing service schedule
- Gradually introduce additional electric trains into service each week
- Goal is to gradually ramp up electric train service over a 4-to-6-week period leading up to late September launch of new service schedule

# Benefits of Soft Launch

- **Alleviates Storage Constraints:** Relieves pressure as additional electric trains get delivered, allows them to be kept in more secure locations.
- **Improved Reliability:** Can target early retirement of diesel locomotives that experience more frequent mechanical issues.
- **Staggered Maintenance:** Critical to spread out inspection/maintenance cycles for the electric trains— major inspections at 90/180 days.
- **Service Demonstration:** Soft launch will help further demonstrate capabilities of the Traction Electrification System and new trains before full launch.
- **Ensure a Smooth Transition:** Allows us to identify early challenges and mitigate issues before grand opening. Provides a gradual learning curve for the O&M team.

# Predecessor Activities

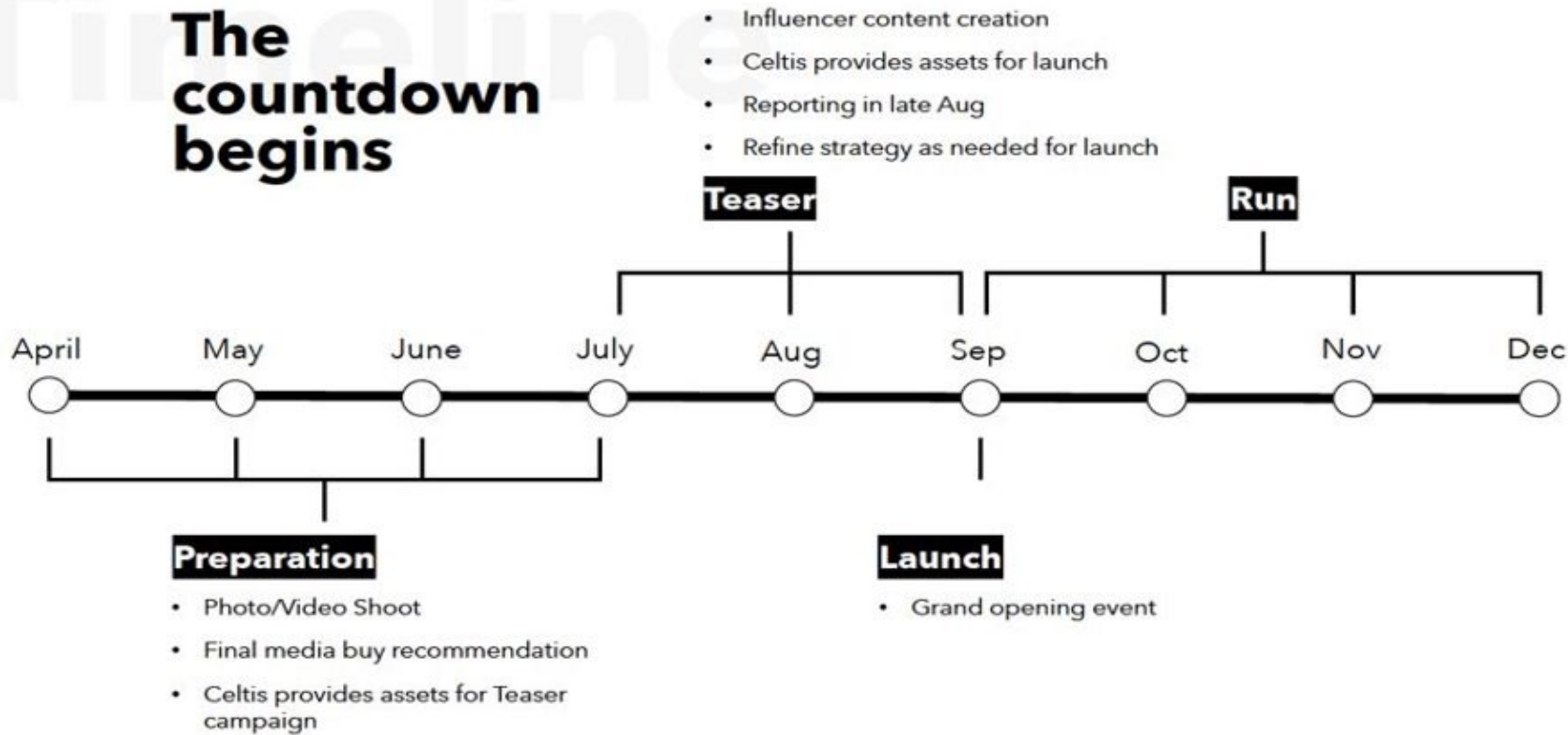
1. **Substantial Completion:** Achieved in May. Critical post-substantial completion activities include O&M training, additional pre-revenue service testing, and punch list items.
2. **Safety Approvals:** Issuance of final safety and security certification
3. **FTA OP-54:** Evaluation of Caltrain's readiness for service
4. **Trains Ready:** Burn-ins completed, Passenger Information System ready (audio/visual announcements, automatic passenger counters)
5. **Industry RFA:** FRA approval of PTC software – July 22 target date
6. **Communication:** Complete outreach to schools and communities
7. **Stations:** Complete targeted improvements

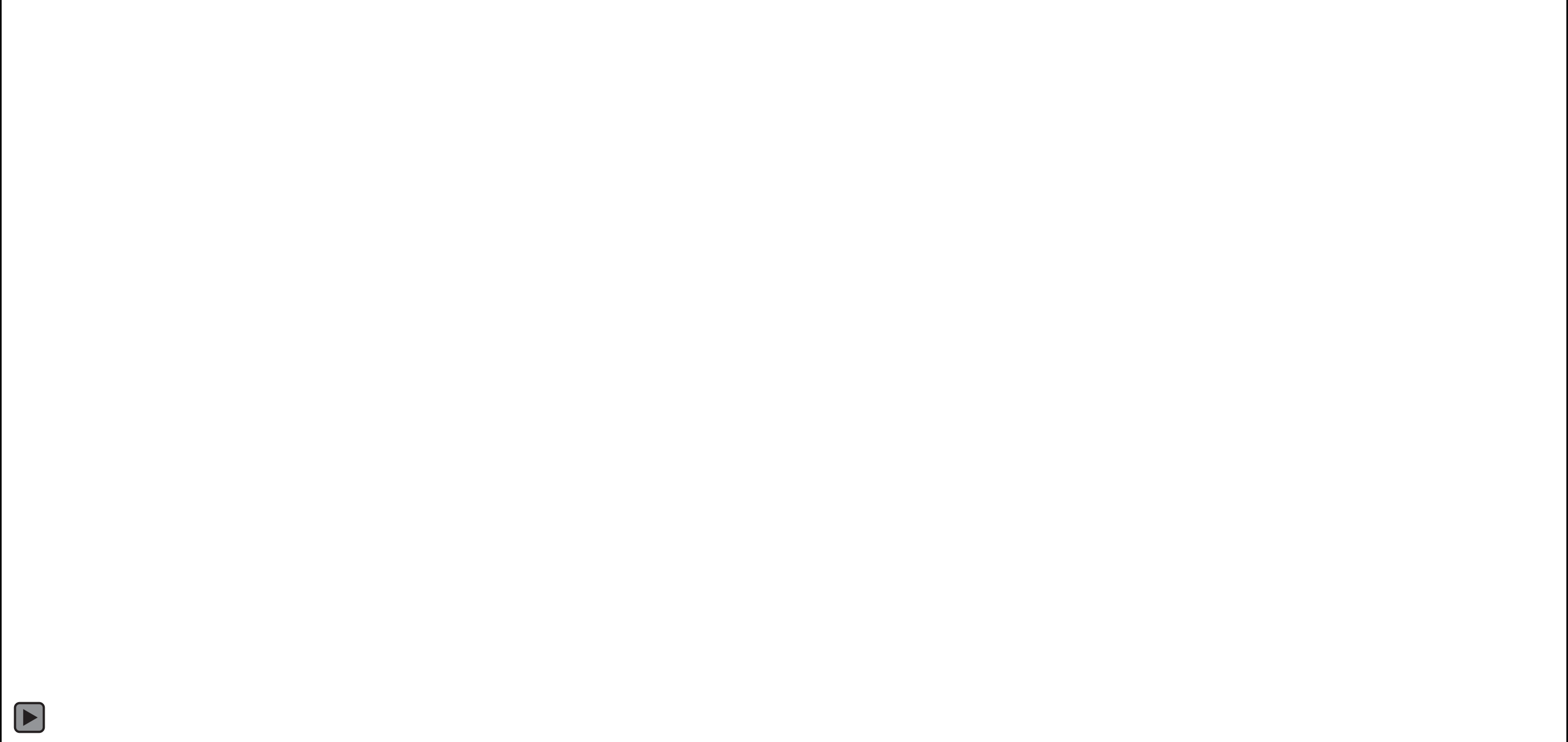
# Marketing Campaign

# Electrified Service Marketing



## The countdown begins





# Recent and Upcoming Activities



# Recent Activities

- Rail Activation start up costs – Finance Committee approval
- San Mateo County public train tour
- Energy procurement strategy update
- Additional trainsets delivered and burn-in ongoing
- Fleet disposition – initial set of gallery cars moved off property
- Tested on-board audio and visual announcements
- Verification of requisite on-call contract vehicles to support electrified service
- Continue to refine Rail Activation schedule and track progress

# Upcoming Activities

- June 8/9 – 8 train power contingency tests, schedule verification
- June 11 – Joint tabletop training exercise (Caltrain, BART, San Bruno Fire Department, SamTrans)
- Station enhancements
- O&M plan update
- Electrified service marketing campaign
- OP-54 readiness for service review (ongoing)
- FRA site visit

# Next Steps

# Upcoming RAMP Presentation Topics

Month	Topic(s)
January	RAMP Scorecard and Overall Progress Update
February	Top Risks, Pre-Revenue Operations Plan
March	Update on Transition/Handover + Safety, Security, Storage
April	Training Status and Emergency Preparedness
May	Update on Soft Launch and Marketing Campaign
June	<i>N/A – TOPS Cancellation (July Board Recess)</i>
July	Overview of Passenger Information System, Station Improvements
August	Update on Service Launch and Celebration of Project Completion

FOR MORE INFORMATION

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