

Rail Activation Management Program (RAMP) Update

TOPS Committee

February 28, 2024



Agenda

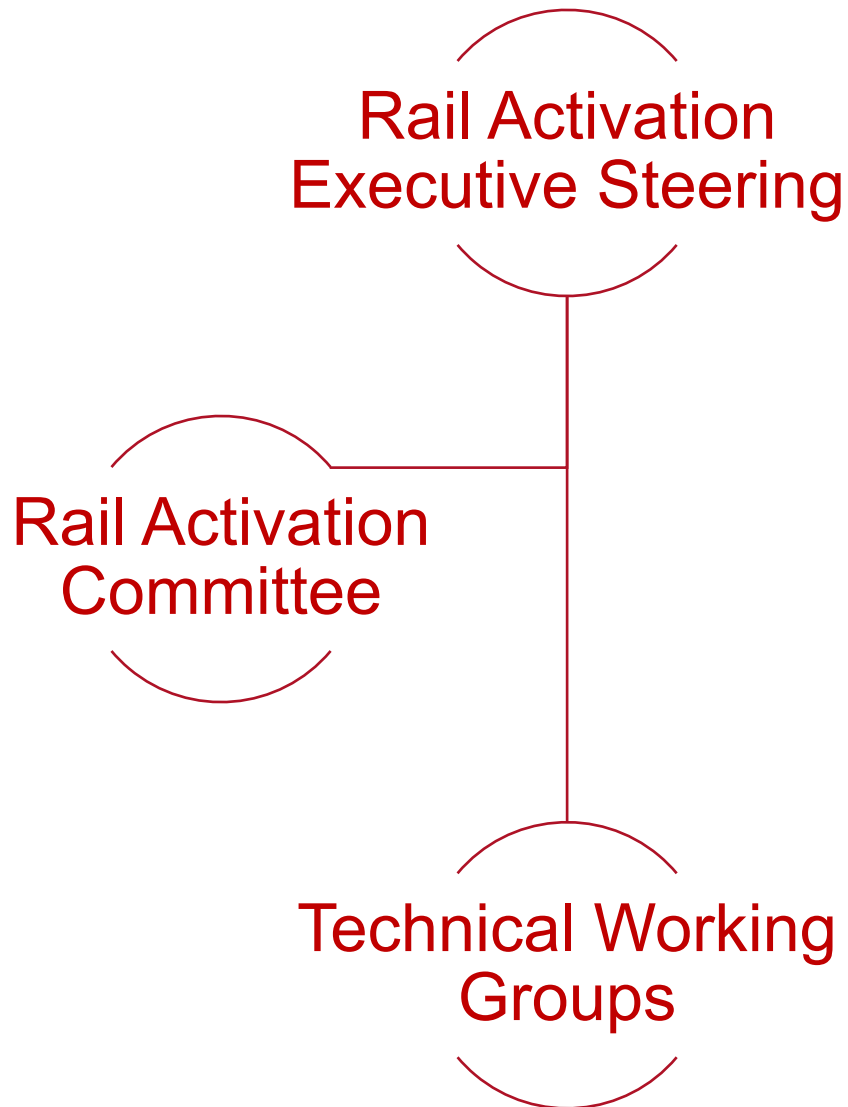
- **Purpose**
- **Structure**
- **Schedule**
- **Scorecard**
- **Top Risks**
- **Pre-Revenue Operations**
- **Recent Activities**
- **Upcoming Activities**

Introduction

Rail Activation Purpose

- Establish clear goals, roles and responsibilities to ensure readiness for electrified passenger service
- Develop a comprehensive understanding of all necessary start-up activities for revenue service
- Ensure buy-in from full organization for the transition from construction to operations and maintenance

Rail Activation – Organization Structure



Meeting Frequency: Weekly

Scope: Management Capacity & Capability, Contracting, Budget, Schedule and Milestones

Meeting Frequency: Weekly

Scope: System Safety & Security, Rail Operations, EMU Delivery and Burn In, Facilities, O&M Manuals, Training and Certification, Spare Parts, CEMOF Readiness, Station Readiness, Community Outreach, Third-Party Coordination, Revenue Service Readiness, Schedule

Meeting Frequency: As needed

Scope: Scheduling, Communications, Systems & Technology, Finance, Risk, Traction Electrification System O&M

Schedule

Countdown to Revenue Service: 208 days

Work Activity	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
Substantial Completion (BBI)									
System Integration & Commissioning (PCEP)									
End to End Testing (Stadler)									
Operational/Contingency Drills (Caltrain)									
Final Acceptance (Caltrain)									
Soft Launch (Caltrain)									
Passenger Service (Caltrain)									
Punchlist									
Testing and Training									

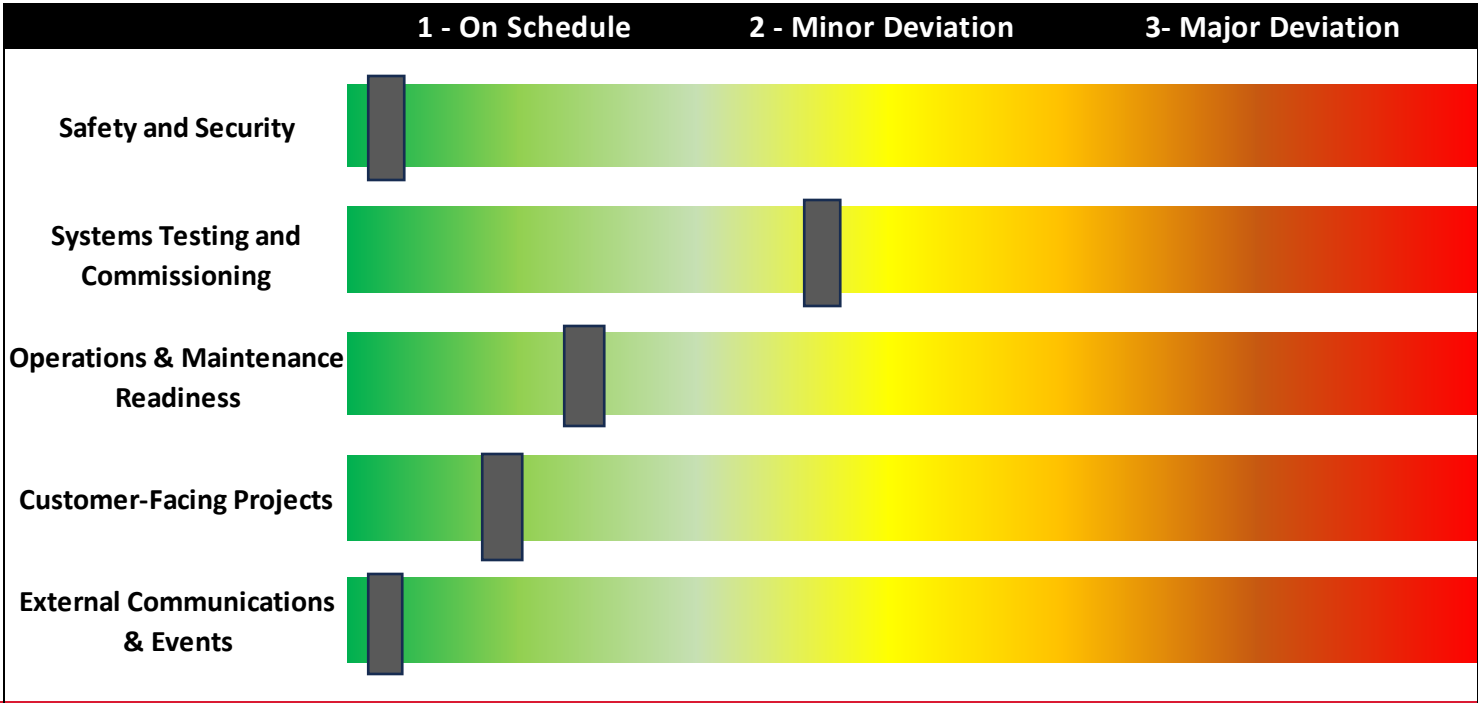
Scorecard Update

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	
1 - On Schedule	Item is on schedule and there are no quality/effectiveness issues of concern.
2 - Minor Deviation	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.
3- Major Deviation	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	
Go	Ready for Revenue Service
No-Go	Not Ready for Revenue Service

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

Rail Activation Risks

Top Risks

- Delays in construction leading to compressed timeline for start-up activities including testing, commissioning, and soft launch
- Long-lead times for procurements, spare parts, tools and equipment
- Translating institutional knowledge from project staff to Caltrain employees
- Ongoing theft issues after entering into revenue service
- Timely hiring for critical positions to ensure necessary expertise for the operation and maintenance of the Traction Electrification System

Pre-Revenue Operations

Pre-Revenue Operations Plan

- Guiding document for transition from substantial completion to revenue service
- Describes Pre-Revenue O&M requirements and establishes the framework for its safe operation and maintenance as the PCEP program advances from active construction to final revenue service
- Covers plan for successfully integrating all components into a fully compliant electrified passenger rail system

Recent and Upcoming Activities

Recent Activities

- Rail Activation risk workshop – December 2023
- Camera tower installations and CCTV assessment
- Additional trainsets delivered and burn-in started
- Secured lease for storage warehouse
- Tested on-board audio and visual announcements
- Continue to refine Rail Activation schedule and track progress to ensure adherence to deadlines

Upcoming Activities

- Fleet disposition
- FY25 budget adjustments
- Energy procurement strategy update
- System integration activities (PCEP)
- Determine potential schedule impacts from severe weather
- Finalize plan for Pre-Revenue Operations

Next Steps

Upcoming RAMP Presentation Topics

Month	Topic(s)
January	RAMP Scorecard and Overall Progress Update
February	Top Risks, Pre-Revenue Operations Plan
March	Training Status and Emergency Preparedness
April	Update on Transition/Handover + Safety, Security, Storage
May	Energy Procurement Strategy and Budget Implications
June	Update on Soft Launch and Marketing Campaign
July	Passenger Information System Overview
August	Final Public Outreach and Opening Day Preparations
September	Update on Service Launch, Project Completion Celebration

FOR MORE INFORMATION

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