Rail Activation Management Program (RAMP) Update

TOPS Committee

March 27, 2024

Agenda

- **Schedule**

- **Scorecard**

- **Top Risks**

- **Transition Progress**

- **Recent Activities**

- **Upcoming Activities**

Schedule

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Rail Activation Schedule

Countdown to Revenue Service: 180 days

Anticipated Rail Activation Schedule Tasks and Completion Periods

Activity	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Oct 24	Nov 24	Dec 24	Descriptions
Balfour Beatty Substantial Completion			5/5								
System Integration				6/1							Testing leading up to Pre and Post Substantial Completion
Operational Readiness					7/1						All activities that Operations must complete to operate trains
Operational Drills					7/15						Training & Practicing for efficient Operations
Soft Launch					7/29		9/22				Gradually replacing Diesel Locomotives with EMU's
Project Completion Celebration and Revenue Service Date							9/23				Project Outreach (VIP & Public Celebrations)
Post Revenue Service									11/29		All activities leading up to Pre and Post FFGA

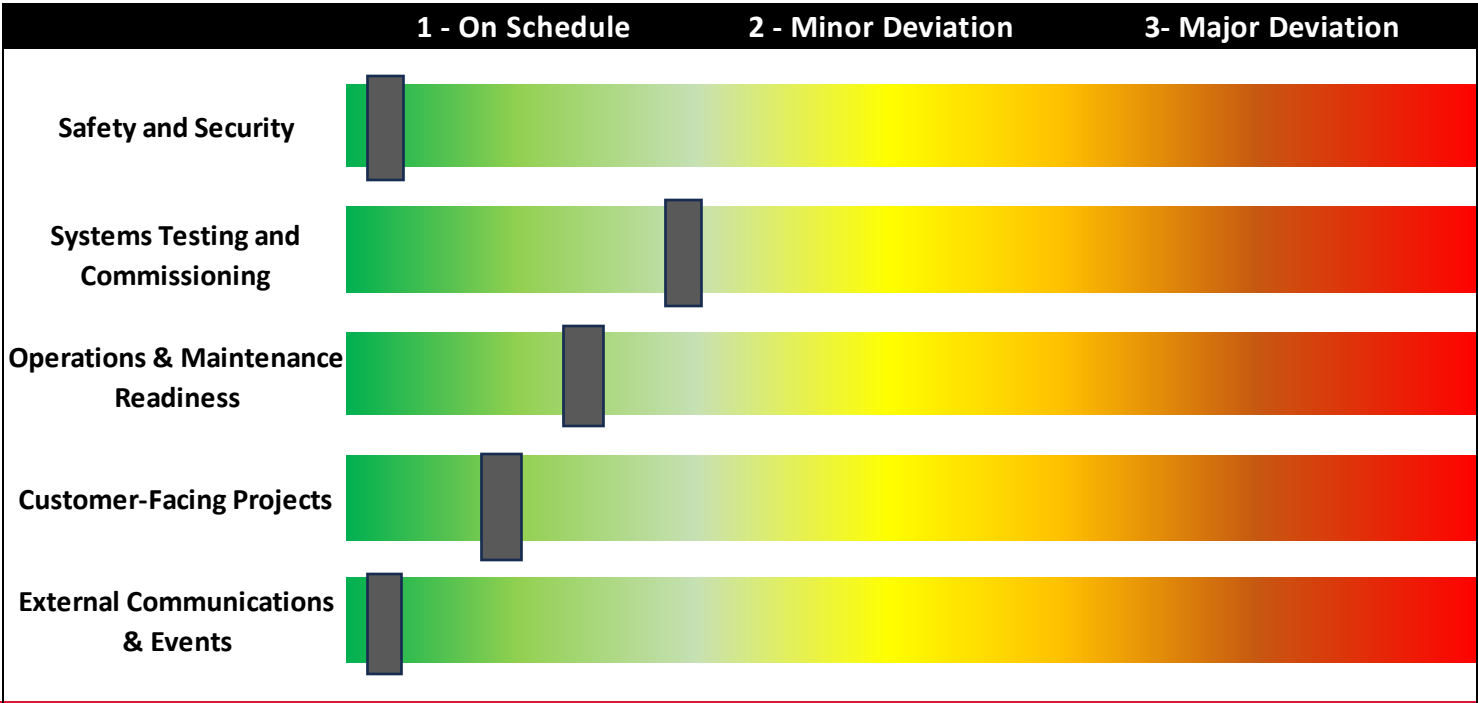Expected Finish Dates shown in red (above).

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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:
  - o Safety and Security
  - o Systems Integration and Testing
  - o Operations & Maintenance Readiness
  - o Customer-Facing Projects
  - o 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.

	1 - On Schedule	2 - Minor Deviation	3- Major Deviation
Safety and Security			
Systems Testing and Commissioning			
Operations & Maintenance Readiness			
Customer-Facing Projects			
External Communications & Events			

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	

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Rail Activation Risks

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Top Risks

Rail Activation Risks	Electrified Operations Risks
Project delays leading to compressed timeline for start-up activities and O&M readiness	Ongoing theft issues after beginning passenger service
Timely hiring of critical positions to support operations and maintenance of Traction Electrification System	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

Common Risk Items

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

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Transition Progress

Transition/Handover Activities

- Warehouse lease takeover – April 1

- United ECM contract award for electrified rail support services

- Fleet disposition – initial set of surplus gallery cars moved off property
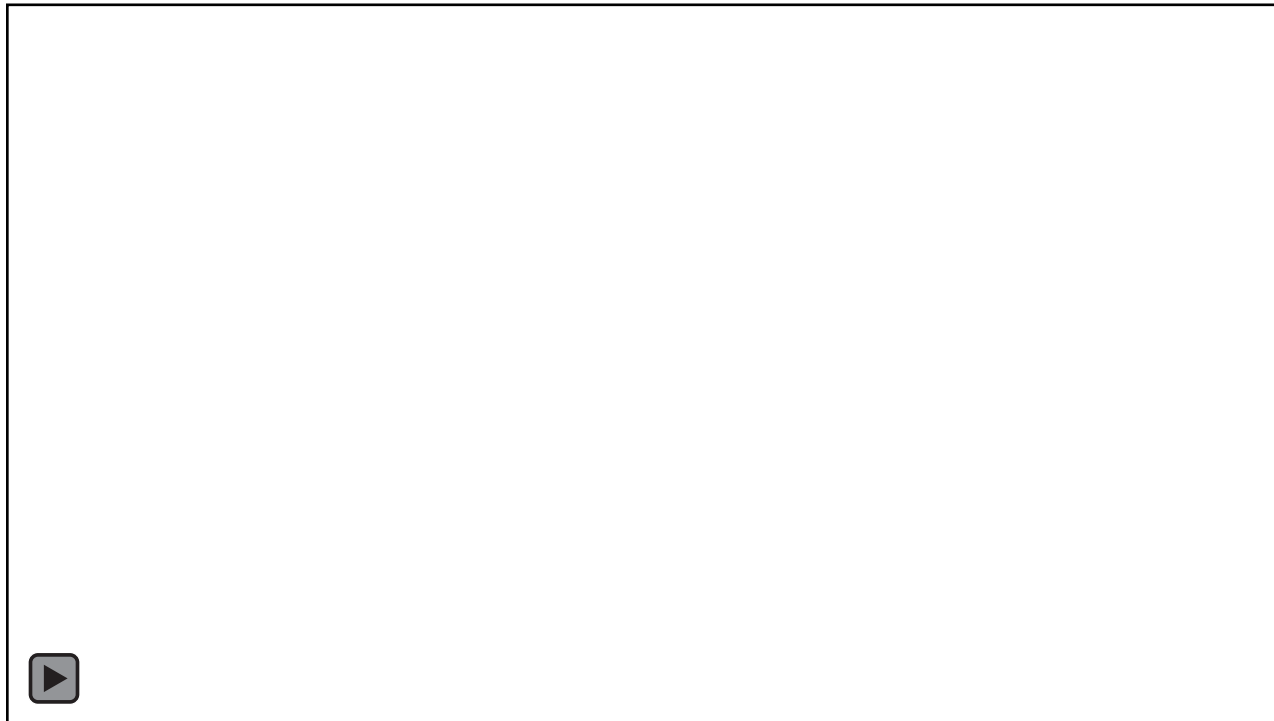
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Recent and Upcoming Activities

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Recent Activities

- Weekly updates to risk register – grading and mitigations

- Additional trainsets delivered and burn-in started

- Fleet disposition – initial set of gallery cars moved off property

- Secured lease for storage warehouse – April 1 takeover date

- Tested on-board audio and visual announcements

- Pre-revenue operations planning workshop and document revisions

- Verification of requisite on-call contract vehicles to support electrified service

- Continue to refine Rail Activation schedule and track progress

Upcoming Activities

- FY25 budget adjustments

- Energy procurement strategy update – targeted in May

- System integration activities (PCEP)

- Station appearance enhancements

- Finalize plan for Pre-Revenue Operations

- Contingency drills

- O&M plan update

- San Mateo County public train tour – May 11 in San Carlos

- Electrified service marketing campaign

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	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