

Automatic Train Operations Update

Communications & Signaling
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Agenda

ATO Update

- **Purpose**

- *Provide an update on return to Automatic Train Operations (ATO)*

- **Agenda**

- *Benefits of ATO*
 - *ATO Performance on the Red Line*
 - *Lessons Learned from Red Line Launch*
 - *ATO Performance on the Green and Yellow Lines*
 - *Readiness for Blue-Orange-Silver Launch*
 - *Next Steps*

Benefits of Automatic Train Operations (ATO)

ATO Update

Safety

- **ATO mitigates** the significant hazard of red signal overruns
- **0 red signal overruns on Red Line** since December 15 activation of ATO
 - *Green Yellow rollout was on May 23, 2025*
- **3 red signal overruns** on lines running in manual since December 15

Efficiency

- **ATO reduces resources** required to deliver the same amount of service
- **Run two less trains** in June on the Red Line without decreasing service
- **Save ~\$7 Million** in operating expenses in FY26 if operating in ATO at design speed on all lines

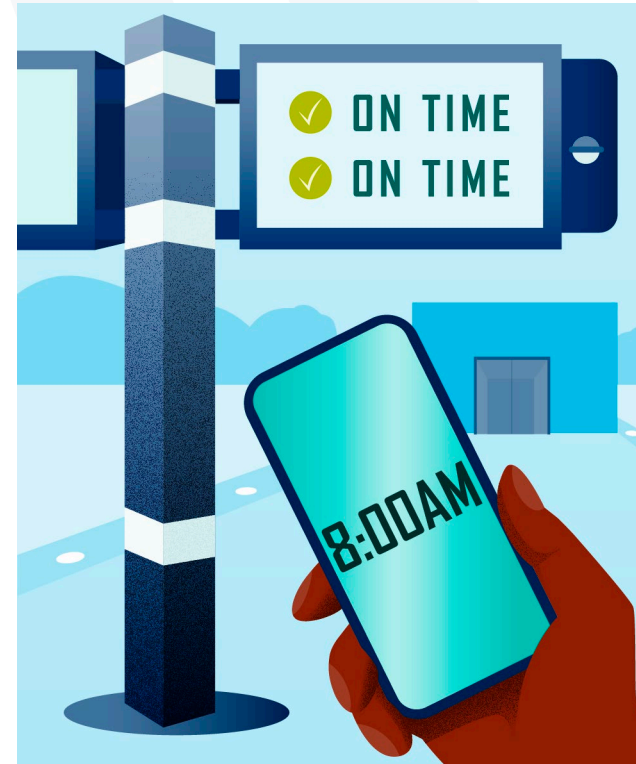
Reliability

- **Service for customers:** End-to-end run time reduced from 70 to 66 minutes on the Red Line
 - *Further being reduced to 62 minutes on June 22nd*

ATO Performance on the Red Line

ATO Update

- **Returned** to ATO on the Red Line on December 15, 2024
- **Customer Ontime Performance** increased 2% in March with the Red Line in ATO
- **Schedule adherence** has improved
- **Trains stopped** at the 8-car marker 99.98% through June 3rd over 1,158,288 ATO stops
- **Platform overruns** have dropped 70% from initial rollout



ATO Lessons Learned from Red Line

ATO Update

- ✓ **December 31, 2024:** ATO Stop Memo
- ✓ **January 6, 2025:** Formalized cross-functional working group to help reduce overruns
- ✓ **January 10, 2025:** Returned to Normal Operations Guidance
- ✓ **February 7, 2025:** SOP 40 Modification (Clarification on ATO Stop Usage)
- ✓ **March 7, 2025:** Ride alongs initiated for operators
- ✓ **April 25, 2025:** All safety certification documents provided to WMSC for Blue-Orange-Silver lines
- ✓ **May 2-8, 2025:** Cancel Station Stop Deactivation Completed for Legacy railcars

ATO Performance on the Green/Yellow Lines

ATO Update

- **Returned** to ATO on the Green and Yellow Lines on May 23, 2025
- **Trains stopped** at the 8-car marker 99.97% through June 3, through 97138 ATO stops

Overruns		
Month	System-Wide Manual	Green/ Yellow Lines ATO
May 23 – May 31	7	28

Metro is prepared to return to ATO on the Blue Orange Silver Lines

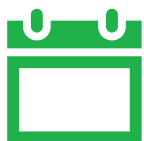


Completed all test and observation runs and submitted readiness documentation to WMSC

- *Over 1300 station stops evaluated during testing and observation runs*



98% of Blue-Orange-Silver Lines Rail Vehicle Operators are ATO Qualified



Temporary Use Notification and documentation submitted to WMSC on April 25



3 days notice after WMSC Notice to Proceed issued to go live with ATO on Blue Orange Silver lines

Line	Rail Yard	Active Operators	ATO Qualified	% of Total Qualified
Orange	Dulles Largo New Carrollton West Falls Church	304 (Total Active Rest of System Rail Vehicle Operators)	299 (Total Rest of System ATO Qualified Operators)	98% (299 out of 304 Rest of System Operators)
Silver				
Blue				

As of May 30, 2025

Next Steps

- ✓ **November 1, 2024:** Red Line Temporary Use Notice issued to WMSC
- ✓ **December 15, 2024:** Red Line goes live with ATO
- ✓ **March 14, 2025:** Green Line Temporary Use Notice issued to WMSC
- ✓ **March 31, 2025:** Yellow Line Temporary Use Notice issued to WMSC
- ✓ **April 25, 2025:** Issue Blue/Orange/Silver Temporary Use Notice to WMSC
- ✓ **May 23, 2025:** Green/Yellow Lines go live with ATO
- ❑ **June 15, 2025:** Blue/Orange/Silver Lines go live with ATO (anticipated)