

Clipper® Executive Board

June 27, 2022

Agenda Item 4a

Clipper® Schedule and Implementation Update

Subject:

Update on key developments related to the implementation of the current and Next Generation Clipper system.

Background:

Next Generation Project Schedule

The current schedule is consistent with the Change Order approved at the April 18, 2022 Clipper Executive Board (CEB) meeting, with the exception of the Contract's Guaranteed Completion Dates, which remain unchanged until the Change Order is executed. MTC and Cubic are close to finalizing the terms of the Change Order, after which Cubic's schedule submittal can be revised to reflect the January 31, 2023 Guaranteed Completion Date for Achievement of Revenue Ready.

Sonoma-Marín Area Rail Transit (SMART) has completed installation of Clipper readers at all of their stations. Installation of Clipper readers continues at San Francisco Bay Area Water Emergency Transportation Authority (WETA) ferry terminals, at Alameda-Contra Costa Transit District (AC Transit) stations, and on new San Francisco Municipal Transportation Agency (SFMTA) light rail vehicles.

Next Generation Implementation

Included as Attachment A to this memorandum is a summary of recently completed activities related to delivering the Next Generation Clipper program (C2); upcoming activities and deliverables for MTC, Cubic Transportation Services, and the transit operators; and noteworthy items that the project team is managing.

Issues:

None identified.

Recommendations:

Information

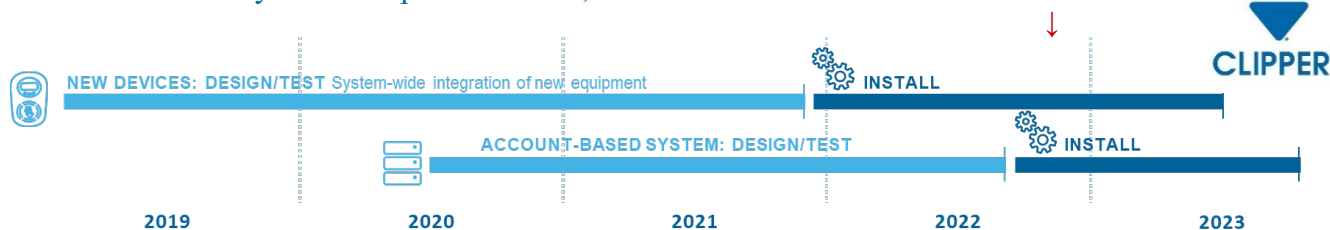
Attachments:

- Attachment A: Next Generation Clipper Program Executive Summary Status Report
- Attachment B: Clipper Next Generation Equipment Pilot Installation Pictures



Carol Kuester

Next-Generation Clipper Program Executive Summary Status Report – June 27, 2022



Summary

- Pilot testing of retail devices and standalone validators complete. Regionwide installation of standalone validators underway.
- Pilot testing completed for SFMTA onboard validators. Pilot testing and System Integration Testing (SIT) for remaining onboard validator integration options continues.
- Final Design Review (FDR) of account-based system documentation nearly complete.
- Factory Acceptance Test (FAT) procedures approved for Customer Service Terminal (CST) and Fare Inspection & Mobile Payment Solution (FIMPS). FAT witnessing scheduled.
- Review of account-based System Demonstration Test (SDT) and User Acceptance Test (UAT) procedures continues.
- Technical and planning discussions continue with operators on various topics, including CAD/AVL integration, paratransit/third-party integration, BART and Muni equipment, and new device installation.
- Joint coordination meetings ongoing between MTC and C2 Contractors Cubic (System Integrator), WSP (Customer Service Center), and Fiserv (Payment Services).
- Invitation for Bid (IFB) for C2 Fare Cards posted. Fare Media Fulfillment Contractor and Fare Ticket Supplier procurements in development.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• New Devices:				
○ Regionwide installation of validators begins	●	●	●	May 17
○ SIT for onboard equipment (cont'd.)	●	●	●	Jun (expected)
• Account-based System Final Design Review:				
○ FDR resubmittal by Cubic		●		May 16; Jun 2, 9, 13
○ FDR comments to Cubic	●		●	Jun (expected)
• Account-based System Testing:				
○ FAT procedures approved for CST & FIMPS	●		●	Jun 2
○ SDT/UAT procedures comments to Cubic	●		●	May–Jun
• Fare Media Procurement:				
○ C2 Fare Card IFB posted		●		May 27

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• New Devices:				
○ SIT for onboard equipment (cont'd.)	●	●	●	Jun–Jul
○ Pilot installation/testing (cont'd.)	●	●	●	Jun–Jul
• Account-based System Final Design Review:				
○ FDR approval	●		●	Jun/Jul
• Account-based System Testing:				
○ Factory Acceptance Test for CST & FIMPS	●	●	●	Jun–Jul
○ User Acceptance Testing	●	●	●	Jun–Jul
○ System Demonstration Testing	●	●	●	Jun–Jul
• Account-based Implementation Plans:				
○ Initial submittal by Cubic (Package 9)		●		Jun/Jul
○ Package 9 comments to Cubic	●		●	Jul/Aug
• Clipper Executive Board Meeting	●		●	Jul 18