

Clipper® Executive Board

November 18, 2019

Agenda Item 4b

Next Generation Clipper® System Update

Subject: Update Board members on key developments related to the implementation of the Next Generation Clipper System Integrator project, focusing on updates with accelerated deployment and the Clipper mobile app.

Background: **Executive Summary**

Included as Attachment A to this memorandum is a summary of recently completed activities related to delivering the Next Generation Clipper program; upcoming activities and deliverables for MTC, Cubic, and the transit operators; and noteworthy items that the project team is managing. This will be updated and presented to this Board monthly.

Please note that the attached Executive Summary Status Report includes two months of completed activities due to the cancellation of the October Clipper Executive Board meeting. Highlights include the Computer-Aided Dispatch / Automatic Vehicle Location integration design workshops planned in November and December, and ongoing weekly meetings on the next-generation validator solution.

Accelerated Deployment Update

MTC and the transit operators are currently reviewing and offering feedback on several Accelerated Deployment documents, including:

- Validator Design (multiple validator types as required by the Contract)
- Back Office Design (C1 functionality to support future system migration)
- Website, Web Portal, and Mobile App Design
- Communications Network Design
- Accelerated Deployment Implementation, Installation, and Transition

The Accelerated Deployment Design Document was recently resubmitted with responses and clarifications to comments, which were deemed acceptable by MTC and the transit operators, and the document was ultimately approved by MTC, triggering a contractual payment milestone. To date, no critical milestones have slipped beyond their contractual guaranteed completion date, and the program is currently on schedule and within expected budget.

Clipper Mobile App Update

Over the past several months, Cubic, MTC, and the transit operators met meeting regularly for mobile app UI/UX (user interface and user experience) sprints, a process to design how the Clipper mobile app will look and feel. Those meetings are now complete, and staff are currently reviewing the results.

Cubic also recently released a press release on October 14 (link [here](#)) announcing a partnership with Google to integrate contactless transit cards with Google Pay, which specifically mentioned the Clipper program in the San Francisco Bay Area. The press release formalized Cubic's partnership with Google to deliver mobile payments for various projects, including the Clipper mobile app, which is planned to be released in late 2020.

Attachments:

Attachment A: Next Generation Clipper Program Executive Summary Status Report

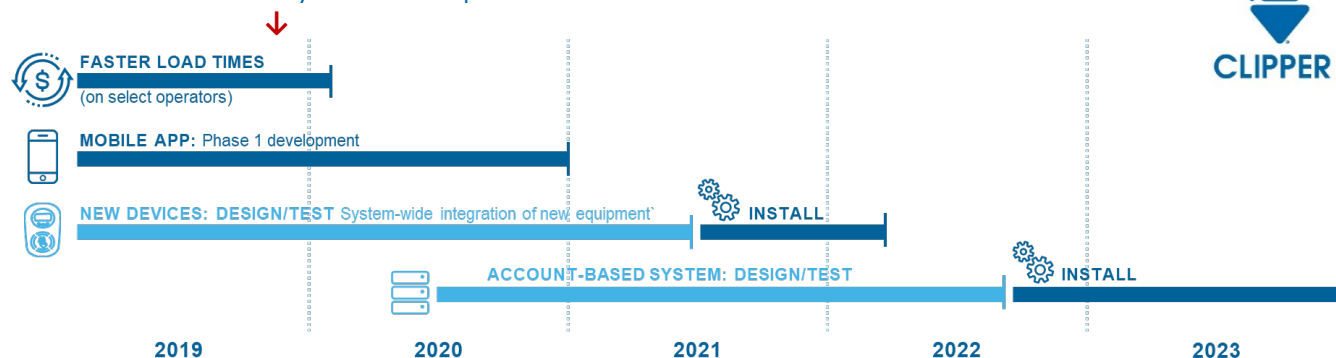


Carol Kuester



Next-Generation Clipper Program

Executive Summary Status Report – November 18, 2019



Summary

- Mobile App UI/UX workshops complete.
- Review Cycle 1 for Accelerated Deployment design documents complete. Review Cycle 2 underway.
- CAD/AVL integration design workshops underway.
- Technical discussions continue with operators, including new C2 Validator solution discussion group.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• Mobile App UI/UX design workshops	•	•	•	Sep 17, 23, 30
• Review Cycle 1 documents:				
o Resubmittal by Cubic		•		Sep 20
o Comments on resubmittal sent to Cubic	•		•	Oct 3
o 2 nd Resubmittal by Cubic		•		Oct 11
o Comments on 2 nd resubmittal sent to Cubic	•		•	Oct 21
o 3 rd Resubmittal by Cubic		•		Oct 24
o Approval by MTC	•			Oct 28
• Review Cycle 2 documents:				
o Submittal by Cubic		•		Oct 18
o Review meetings with Cubic	•	•	•	Oct 28–30
o Initial comments sent to Cubic	•		•	Nov 15
• Technical meetings with operators:				
o BART	•	•	•	Oct 16, Nov 20
o SFMTA	•	•	•	Oct 17, Nov 21
• CAD/AVL integration design workshops	•	•	•	Nov 13
• C2 Validator solution discussion group meeting	•	•	•	Oct 4, 16, 23, 30; Nov 6, 13

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• Review Cycle 2 documents:				
o Resubmittal expected from Cubic	•	•	•	Dec 3
o Comment review meetings with Cubic	•		•	Dec 5–9 (TBD)
o Comments due to Cubic	•		•	Dec 16
• Technical meetings with operators:				
o BART	•	•	•	Nov 20
o SFMTA	•	•	•	Nov 21
• CAD/AVL integration design workshops	•	•	•	Nov 20; Dec 4, 11
• C2 Validator solution discussion group meeting	•	•	•	Nov 20, 27; Dec 4, 11
• Clipper Executive Board Meeting	•	•	•	Dec 16