

Clipper® Executive Board

December 16, 2019

Agenda Item 4c

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 regarding 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.


Highlights include the ongoing discussions with MTC, the transit operators, and Cubic regarding the integration of next generation Clipper devices with existing onboard systems and equipment, and input from MTC and the transit operators on Cubic's solution for the implementation, installation, and transition of new features and equipment under Accelerated Deployment.

As we continue to move through the various phases of design we want to remind transit operators of the importance of their involvement. We will continue reaching out to ensure the greatest level of operator staff participation during critical periods for review and input.

Testing for faster and more frequent load times at rail stations and ferry terminals when purchasing products via phone or through the website is scheduled for this week, with added features to begin rolling out within the next month.

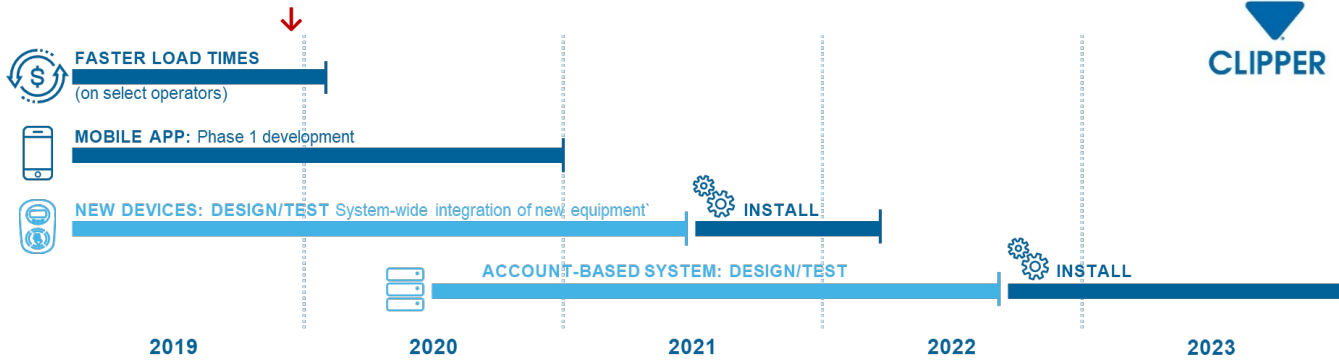
To date, no critical milestones have slipped beyond their contractual guaranteed completion date, and the program is currently on schedule and within expected budget.

Attachments: **Attachment A:** Next Generation Clipper Program Executive Summary Status Report


Carol Kuester

Next-Generation Clipper Program

Executive Summary Status Report – December 16, 2019



Summary

- Review Cycle 2 for Accelerated Deployment design documents nearly complete.
- System Integration Testing for Faster Load Times about to start.
- Review Cycle 3 document submittal expected next month.
- CAD/AVL integration design workshops completed.
- Technical discussions continue with operators.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• Review Cycle 2 documents:				
o Comment responses received from Cubic		•		Nov 27
o Comment review meeting with Cubic	•	•	•	Dec 2
o Resubmittal by Cubic				TBD
• System Integration Testing for Faster Load Times:				
o Test Procedure Comments sent to Cubic	•		•	Nov 21
o Revised Procedures submitted by Cubic		•		TBD
• 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

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• Review Cycle 3 documents:				
o Initial submittal expected from Cubic	•	•	•	Jan 8
o Review meetings with Cubic	•		•	Jan 15–21 (TBD)
o Initial comments due to Cubic	•		•	Feb 4
• System Integration Testing for Faster Load Times	•	•	•	Dec 18–20
• Technical meetings with operators:				
o BART	•	•	•	Dec 18; Jan 15
o SFMTA	•	•	•	Dec 19; Jan 16
• Clipper Executive Board Meeting	•	•	•	Jan 27

Items to Highlight

Description	Resolution/Mitigation
<ul style="list-style-type: none">• Direct input from transit operators is needed to help refine and finalize Cubic's solution design, implementation, and installation approaches.	Regular calls established to provide an opportunity for open discussion among transit operator staff, Cubic, MTC, and MTC's technical advisors. Initial calls have focused on the C2 validator solution.