

# Clipper® Executive Board

July 15, 2019

Agenda Item 4b

## Next Generation Clipper® System Update

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**Subject:** Update Board members on key developments related to the implementation of the Next Generation Clipper System Integrator project, provide an overall program update, and highlight key technical updates.

**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.

**Next Generation Clipper Technical Update**

Included as Attachment B to this memo is a summary of key technical items that Cubic has provided to the Board to show updates and technical activities related to the development of the Next Generation system. Overall, activities and submittals are on schedule with full deployment of the Next Generation system expected in 2023 as originally stated at the time the system integrator contract was awarded. Over the course of the next month, MTC and IBI will provide clarification to transit operator staff on subject matter and technical expertise required to review the documents contained in the next contract submittal package expected to be submitted in August.

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

**Attachment B:** Next Generation Clipper Technical Update

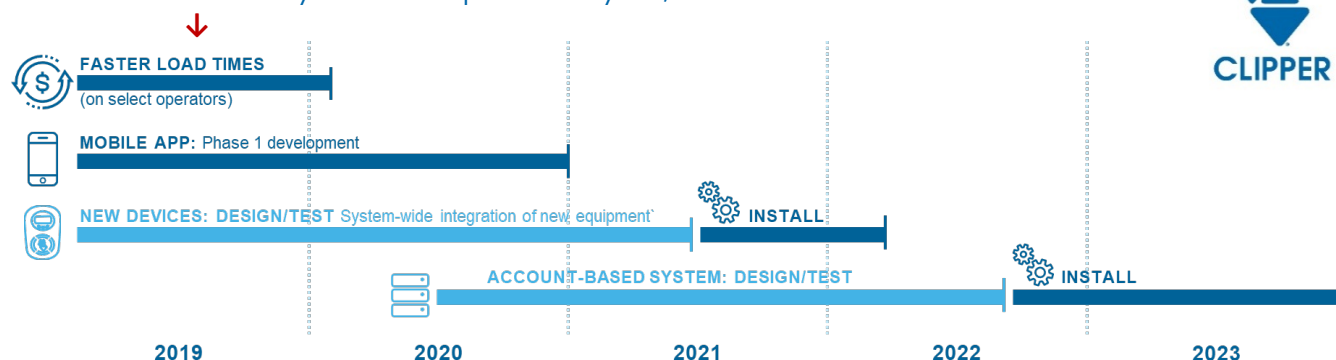


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Carol Kuester



# Next-Generation Clipper Program Executive Summary Status Report – July 15, 2019



## Summary

- Faster Load Times test plan review completed. Mobile App test plans under review.
- Mobile App user interface/user experience (UI/UX) design process continues.
- Technical discussions continue with operators.
- Review Cycle 1 submittal expected in early August.

## Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• Technical meetings with operators:				
o AC Transit	•	•	•	Jun 19
o SFMTA	•	•	•	Jun 21
• Accelerated Deployment Test Plans:				
o Mobile App test plans submittal by Cubic		•		Jun 18
o Faster Loads test plan review with Cubic		•		June 20
o Faster Loads test plan resubmittal by Cubic		•		Jun 28
o Faster Loads test plan approval		•		TBD
• Mobile App UI/UX design workshops	•	•	•	Jun 17, 24, 28; Jul 8

## Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• Mobile App UI/UX design workshops	•	•	•	Jul 15, 22, 29; Aug 5, 13
• Technical meetings with operators:				
o BART	•	•	•	Jul 17
o SFMTA	•	•	•	Jul 19, Aug 16
• Accelerated Deployment Test Plans:				
o Mobile App test plans initial comments due	•		•	Jul 16
o Mobile App test plans resubmittal by Cubic	•		•	Jul 31
o Review Cycle 1 submittal by Cubic		•		Aug 8
o Mobile App test plans final comments due	•		•	Aug 15
• Clipper Executive Board Meeting	•	•	•	Aug 19



**CUBIC™** | Transportation Systems

## Next Generation Clipper Technical Update

July 15, 2019

Agenda Item 4b  
Attachment B

# Mobile App Test Plans

CS-TEST-005 SIT Test Plan

CS-TEST-006 Pilot Test Plan

- 1<sup>st</sup> Submission: 6/18/19
    - *Review Meetings: tbd*
    - *Review Period: 6/11 – 7/16*
    - *Response Review: tbd*
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- 2<sup>nd</sup> Submission: 7/31/19
    - *Review Meetings: tbd*
    - *Review Period: 7/31 – 8/15*
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- Approval: 8/15/19

# Frequent Actionlist Test Plan

CS-TEST-005 SIT Test Plan (Accel. Deployments A)

- 1<sup>st</sup> Submission: 5/28/19
    - *Review Meetings: 6/20*
    - *Review Period: 5/28 – 6/24*
    - *Response Review: tbd*
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- 2<sup>nd</sup> Submission: 6/28/19
    - *Review Meetings: tbd*
    - *Review Period: 6/28 – 7/12*
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- Approval: 7/12/19

# Accelerated Deployment

## 1<sup>st</sup> Review Cycle 1

- 1<sup>st</sup> Submission: 8/8/19
  - *Review Meetings: 8/15 – 8/21*
  - *Review Period: 8/8 – 9/5*
  - *Response Review: TBD*
- 2<sup>nd</sup> Submission: 9/20/19
  - *Review Meetings: TBD*
  - *Review Period: 9/20 – 10/3*
- Approval: 10/3/2019

## Contents

- CS-DD-018 Accelerated C2 System Deployment Design Doc.  
*(Accelerated Deployment Packages 1, 2, and 3)*
- CS-DD-019 Accelerated C2 System Deployment Dev. Plan  
*(Accelerated Deployment Package 1)*
- CS-DD-002 C2 System Back Office Design Document
- CS-DD-004 Communications Network Design
- CS-DD-008 Environmental Design Specifications Document
- CS-DD-009 Equipment Design Document
- CS-DD-009a Fare Validator Design Document
- CS-DD-009c Onboard Validator Solution Design Document
- CS-DD-009d Standalone Validator Solution Design Document
- CS-DD-009g Retail Solution Design Document
- CS-DD-010-[X] ICD Design Documents
- CS-DD-012a Website, Web Portal, and Mobile App Design Doc.

- 60 Day Look-Ahead

- *June/July/August*      *Mobile App UI/UX Weekly design sprints*
  - *Early August*          *Submission of Review Cycle 1 documents*
  - *Summer*                  *Early installation planning & surveys*
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- MTC & Agency Resourcing Needs

- *Mobile App UI/UX design participants*
- *Test Plan reviewers*
- *Vehicle & platform survey support*