



Bay Area Metro Center
375 Beale Street
San Francisco, CA 94105

Meeting Agenda

Clipper Executive Board

Members:

Rick Ramacier, Chair Robert Powers, Vice Chair

*Nuria Fernandez, Jim Hartnett, Michael Hursh,
Therese W. McMillan, Denis Mulligan,
Nina Rannells, and Jeffrey Tumlin*

Monday, November 16, 2020

1:35 PM

Board Room - 1st Floor (REMOTE)

In light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 issued by Governor Newsom on March 17, 2020 and the Guidance for Gatherings issued by the California Department of Public Health, the meeting will be conducted via webcast, teleconference, and Zoom for committee, commission, or board members who will participate in the meeting from individual remote locations.

A Zoom panelist link for meeting participants will be sent separately to Board Members.

The meeting webcast will be available at <http://mtc.ca.gov/whats-happening/meetings>. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Board Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9. In order to get the full Zoom experience, please make sure your application is up to date.

Attendee Link: <https://bayareametro.zoom.us/j/82712894623>

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Webinar ID: 827 1289 4623

International numbers available: <https://bayareametro.zoom.us/j/kcgn6L6ocw>

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<https://mtc.ca.gov/how-provide-public-comment-board-meeting-zoom>

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayareametro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line. Due to the current circumstances there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.

1. Roll Call / Confirm Quorum

Quorum: A quorum of this committee shall be a majority of its regular voting members (5).

2. Consent Calendar

- 2a. [20-1553](#) Minutes of the October 19, 2020 Meeting
- Action: Board Approval
- Attachments: [2a CEB Minutes Oct 19 2020.pdf](#)
- 2b. [20-1650](#) Clipper® Change Order - Clipper START Expansion: Cubic Transportation Systems, Inc. (Cubic) (Not to Exceed \$402,000)
- Action: Board Approval
- Presenter: Lysa Hale
- Attachments: [2b Change Order for Cubic Transportation Systems, Inc.pdf](#)
- 2c. [20-1590](#) Approval of Regional Measure 2 Funding Allocation - Mobile Launch (\$1,200,000)
- Action: Board Approval
- Presenter: Edward Meng
- Attachments: [2c RM2 Mobile Launch.pdf](#)

3. Approval

- 3a. [20-1554](#) Clipper® Operating Rules - Proposed Revisions
- Amendments to the Clipper Operating Rules.
- Action: Board Approval
- Presenter: David Weir
- Attachments: [3a Clipper Operating Rules-proposed revisions.pdf](#)
- 3b. [20-1591](#) 2021 Clipper® Executive Board Calendar
- Request Board approval of 2021 Clipper Executive Board Calendar.
- Action: Board Approval
- Presenter: Edward Meng
- Attachments: [3b Clipper Exec Board 2021 Calendar.pdf](#)

- 3c. [20-1592](#) Next-Generation Clipper (C2) System Integrator Contract Change Order - Bay Area Rapid Transit (BART) and San Francisco Municipal Transportation Agency (SFMTA) Tri Reader 4 (TR4) Card Validator Integration with Exercise of Open Payments Option: Cubic Transportation Systems, Inc. (Cubic) (\$13,600,000)

Request for approval of a Change Order to implement the TR4, Cubic's next-generation card validator, on BART and SFMTA equipment and exercise the Open Payments Option.

Action: Board Approval

Presenter: Kelley Jackson

Attachments: [3c Change Order Cubic Transportation Systems TR4 Imp.pdf](#)

4. Information

- 4a. [20-1593](#) Current Clipper® System

Update on the current Clipper® System. Clipper staff last updated this Board on the ongoing work and projects related to the current Clipper system at the October 2020 meeting.

Action: Information

Presenter: Jason Weinstein

Attachments: [4a C1 Program Update.pdf](#)

- 4b. [20-1594](#) Next Generation Clipper® System Update

Update on key developments related to the implementation of the Next Generation Clipper System Integrator project.

Action: Information

Presenter: Jason Weinstein

Attachments: [4b C2 Program Update.pdf](#)

5. Executive Director's Report – Kuester

6. Public Comment / Other Business

*Board Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9.*

7. Adjournment / Next Meeting

The next meeting of the Clipper® Executive Board will be Monday, December 7, 2020 at 1:45 p.m. remotely and by webcast as appropriate.

Public Comment: The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

Meeting Conduct: If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

Record of Meeting: Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site (mtc.ca.gov) for public review for at least one year.

Accessibility and Title VI: MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

可及性和法令第六章: MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者，請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知，以滿足您的要求。

Acceso y el Titulo VI: La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1553 **Version:** 1 **Name:**
Type: Minutes **Status:** Consent
File created: 10/16/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: Minutes of the October 19, 2020 Meeting
Sponsors:
Indexes:
Code sections:
Attachments: [2a_CEB Minutes_Oct 19 2020.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:
Minutes of the October 19, 2020 Meeting

Recommended Action:
Board Approval

Attachments:



Meeting Minutes - Draft

Clipper Executive Board

Members:

Rick Ramacier, Chair Robert Powers, Vice Chair

***Nuria Fernandez, Jim Hartnett, Michael Hursh,
Therese W. McMillan, Denis Mulligan,
Nina Rannells, and Jeffrey Tumlin***

Monday, October 19, 2020

2:30 PM

Board Room - 1st Floor (REMOTE)

In light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 issued by Governor Newsom on March 17, 2020 and the Guidance for Gatherings issued by the California Department of Public Health, the meeting will be conducted via webcast, teleconference, and Zoom for committee, commission, or board members who will participate in the meeting from individual remote locations.

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Attendee Link: <https://bayareametro.zoom.us/j/86096592596>

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1. Roll Call / Confirm Quorum

Present: 7 - Board Member Mulligan, Board Member Hartnett, Chair Ramacier, Board Member Rannells, Board Member McMillan, Vice Chair Powers, and Board Member Tumlin

Absent: 2 - Board Member Fernandez, and Board Member Hursh

Ahsan Baig acted as a delegate and voting member of the Board in place of Michael Hursh. Actions noted below as “Hursh” were taken by Baig.

Franklin Wong acted as a delegate and voting member of the Board in place of Nuria Fernandez. Actions noted below as “Fernandez” were taken by Wong.

2. Consent Calendar

Upon the motion by Board Member Mulligan and second by Board Member Rannells, the Consent Calendar was unanimously approved. The motion carried by the following vote:

Aye: 9 - Board Member Mulligan, Board Member Fernandez, Board Member Hartnett, Board Member Hursh, Chair Ramacier, Board Member Rannells, Board Member McMillan, Vice Chair Powers and Board Member Tumlin

2a. [20-1412](#) Minutes of the September 21, 2020 Meeting

Action: Board Approval

Attachments: [2a CEB Minutes Sept 21 2020.pdf](#)

3. Information

3a. [20-1410](#) Current Clipper® System

Update on the current Clipper system. Clipper staff last updated this Board on the ongoing work and projects related to the current Clipper system at the September 2020 meeting.

Action: Information

Presenter: Jason Weinstein

Attachments: [3a C1 Program Update..pdf](#)

3b. [20-1411](#) Next-Generation Clipper® System Update

Update on key developments related to the implementation of the Next Generation Clipper System Integrator project.

Action: Information

Presenter: Jason Weinstein

Attachments: [3b C2 Program Update.pdf](#)

4. Executive Director's Report – Kuester

5. Public Comment / Other Business

Aleta Dupree was called to speak.

Adina Levin was called to speak.

6. Adjournment / Next Meeting

The next meeting of the Clipper® Executive Board will be Monday, November 16, 2020 at 1:35 p.m. remotely and by webcast as appropriate.



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #:	20-1650	Version:	1	Name:	
Type:	Contract	Status:		Consent	
File created:	11/2/2020	In control:		Clipper Executive Board	
On agenda:	11/16/2020	Final action:			
Title:	Clipper® Change Order - Clipper START Expansion: Cubic Transportation Systems, Inc. (Cubic) (Not to Exceed \$402,000)				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	2b Change Order for Cubic Transportation Systems, Inc.pdf				

Date	Ver.	Action By	Action	Result
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Subject:

Clipper® Change Order - Clipper START Expansion: Cubic Transportation Systems, Inc. (Cubic) (Not to Exceed \$402,000)

Presenter:

Lysa Hale

Recommended Action:

Board Approval

Attachments:

Clipper® Executive Board

November 16, 2020

Agenda Item 2b

Clipper® Change Order – Clipper START Expansion: Cubic Transportation Systems, Inc. (Cubic) (Not to Exceed \$420,000)

Subject: Request for approval of Change Order for Cubic for expansion of the Clipper START program.

Background: The Clipper START program is a means-based program to provide transit discounts to eligible low-income individuals. The program launched in July 2020 with four transit operators: BART, Caltrain, Golden Gate Transit and Ferry, and Muni. The program has received 2,033 applications as of October 28, 2020.


Clipper staff have been working with Cubic on the expansion of the Clipper START to the remaining transit operators in the Bay Area. The expansion is planned to launch in two groups: the first at the end of November and the second in January 2021. Cubic began work on the expansion in July based on a Notice to Proceed provided by MTC.

Cubic has provided its cost proposal and scope of work for the project, and Clipper staff is currently drafting the Change Order for routing and execution after approval by the Clipper Executive Board and the MTC Operations Committee. The estimated cost to add the remaining operators to the program as well as updating reports to reflect usage of the Clipper Coupon (the mechanism used to deliver the discounted price to participating riders) is \$420,000. Funding for this work will be provided by State Transit Assistance (STA) funds.

Issues: None

Recommendation: Staff recommends approval of a Change Order with Cubic in an amount not to exceed \$420,000 for expansion of the Clipper START program.

Attachments: None



Carol Kuester

REQUEST FOR CLIPPER EXECUTIVE BOARD APPROVAL

Summary of Proposed Contract Change Order

Work Item No.:	1311
Consultant:	Cubic Transportation Systems, Inc. San Diego, CA
Work Project Title:	Clipper START Expansion
Purpose of Project:	Expand Clipper START program to include additional transit operators
Brief Scope of Work:	Expansion of Clipper START program to remaining transit operators in the Bay Area
Project Cost Not to Exceed:	<p>\$420,000 (this Change Order)</p> <p>Total contract value including amendments before this change order = \$173,638,814.00 (this total does not include other November 16, 2020 contract approval actions)</p> <p>Total contract amount with this change order = \$174,058,814.00 (this total does not include other November 16, 2020 contract approval actions)</p>
Funding Source:	FTA, FHWA, OBAG2, STP, CMAQ, STA, STP Exchange, TCP, Regional Measure 2 Capital and Regional Measure 2 Operating, CARES Act funds, Regional Measure 3, SB1 State of Good Repair, State Transit Assistance, Low-Carbon Transit Operations Program
Fiscal Impact:	Funds available in the FY 2020-21 MTC agency budget.
Motion by Committee:	That a contract Change Order with Cubic Transportation Systems, Inc. for the purpose of expanding the Clipper START program as described herein and in the Executive Director's summary sheet dated November 16, 2020, is hereby approved by the Clipper Executive Board.
Clipper Executive Board:	<hr/> Rick Ramacier, Chair
Approved:	November 16, 2020



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1590 **Version:** 1 **Name:**

Type: Contract **Status:** Consent

File created: 10/23/2020 **In control:** Clipper Executive Board

On agenda: 11/16/2020 **Final action:**

Title: Approval of Regional Measure 2 Funding Allocation - Mobile Launch (\$1,200,000)

Sponsors:

Indexes:

Code sections:

Attachments: [2c_RM2 Mobile Launch.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:
Approval of Regional Measure 2 Funding Allocation - Mobile Launch (\$1,200,000)

Presenter:
Edward Meng

Recommended Action:
Board Approval

Attachments:

Clipper[®] Executive Board

November 16, 2020

Agenda Item 2c

Approval of Regional Measure 2 Funding Allocation – Mobile Launch (\$1,200,000)

Subject: Request for approval to support rescission and allocation \$1.2M of Regional Measure 2 funds to support the Clipper[®] Mobile App launch.

Background: Regional Measure 2 included funding for multiple TransLink[®] and Clipper projects that were allocated over 12 years ago for specific Clipper-related project purposes, including developing a transit-benefit program, supporting faregate and ticket vending machines (TVM) projects, creating an information management system, and other uses. These projects have now been dormant for between two and ten years, and there is around \$1.2M in project savings that MTC Clipper staff would like to allocate towards several costs related to the Clipper Mobile App launch that were not included in the Clipper budget. MTC Clipper staff request Board approval to use these funds for the purposes described below.

Mobile Card Fee Issuance Costs - \$700,000


At its July 2020 meeting, the Clipper Executive Board expressed support for a MTC staff/operator staff working group's recommendations to set the mobile card fee at \$3, with a six-month promotional period during which adult mobile cards will be offered free of charge. The Board likewise expressed support for the working group's recommendation that there be no fee for converting a physical (plastic) card to a mobile (virtual) card. Per Amendment 2 to the Amended and Restated Clipper Memorandum of Understanding, MTC will take on the regional responsibility for these costs. These costs are estimated to be around \$700,000 in total, with \$300,000 estimated to cover the cost of offering free mobile cards for the six-month promotional period and \$400,000 estimated to cover the cost to convert physical cards to mobile cards.

Card Replacement Fee and Balance Restoration Fee and Post-Launch Marketing and Education Costs – \$500,000

As contemplated in the request for approval of the updated Clipper Operating Rules (Agenda Item 3a of this packet), MTC and transit agency staff have agreed to recommend that the Card Replacement and Balance Restoration Fee should be lowered from \$5 to \$3 to be in parity with the cost of a new card, physical or virtual. The estimated cost to cover the revenue loss due to the reduction of this fee would be around \$150,000 annually. Additionally, at the time the Clipper budget was approved, the budget included funds to support marketing for the Clipper mobile launch, but no funds to support continuing marketing and customer education efforts after the Clipper mobile launch. These costs are estimated at \$350,000.

Issues: None.

Recommendation: Request for approval to support rescission and allocation of \$1.2M of Regional Measure 2 funds to support the Clipper Mobile App launch as described above.



Carol Kuester



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1554 **Version:** 1 **Name:**
Type: Contract **Status:** Committee Approval
File created: 10/16/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: Clipper® Operating Rules - Proposed Revisions
Amendments to the Clipper Operating Rules.

Sponsors:

Indexes:

Code sections:

Attachments: [3a Clipper Operating Rules-proposed revisions.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

Clipper® Operating Rules - Proposed Revisions

Amendments to the Clipper Operating Rules.

Presenter:

David Weir

Recommended Action:

Board Approval

Attachments:

Clipper[®] Executive Board

November 16, 2020

Agenda Item 3a

Clipper[®] Operating Rules – Proposed Revisions

Subject: Amendments to the Clipper Operating Rules.

Background: The Clipper Executive Board (the “Board”) was delegated authority over the Clipper Operating Rules by Metropolitan Transportation Commission (MTC) Resolution in 2015. Amendment of the Operating Rules is, under the Amended and Restated Clipper Memorandum of Understanding (MOU), a “Significant Business Matter”, requiring approval by majority vote of the Board (*see* Art. IV, Sec. E.).

No changes have been made to the Clipper Operating Rules since 2012. Many operational changes in the Clipper program and system have occurred in the intervening eight years, not the least of which are the recent introduction of the Clipper START program and the imminent release of the Clipper mobile app. Some of the existing provisions of the Operating Rules are simply incompatible or incomplete in light of those new initiatives. MTC Staff are utilizing this opportunity to also propose other, hopefully unobjectionable, edits to the Rules.

A redlined document containing all the proposed revisions was sent to staff at all transit agencies on October 16th, with a request for comments or questions. Comments were received from a few operators and they were either addressed or deferred to future Clipper Operating Rules changes.

A summary of the proposed changes:

- Multiple provisions in Sections 2, 3, and 4, as well as the Glossary, are modified to reflect the roll-outs of the Clipper START program and the Clipper mobile app. The changes include explicit recognitions that a Clipper card can be on a mobile phone with appropriate distinctions between physical and virtual cards (*see, e.g.,* Section 3.1.2), and that eligibility for discounted fares can be based on income as well as other factors (*see, e.g.,* Section 4.2.6).
- The provisions of CO 120, Task Order 55 regarding unfunded liabilities allocation have been distilled, with no change in meaning intended, into new Section 4.10.9 of the Operating Rules;
- Provisions regarding Personally Identifiable Information (PII) have been updated to be consistent with current terms of the Clipper Cardholder Agreement and Clipper Privacy Policy (*see* Section 4.7, the definition of PII in the Glossary, and Attachment 1 (Section 6));
- Miscellaneous—
 - The card replacement/balance transfer fee is reduced to \$3 (*see* Section 4.6.1), in accordance with recent Clipper operator staff advisory recommendation to do so;
 - Recognition of the establishment of the Board, the execution of the MOU, and the C2 contract award (*see* Section 1.1);

- Recognition that RTC cards are no longer issued to non-disabled seniors (*see* Section 3.4.4 in particular);
- Other factual corrections (*see, e.g.,* Sections 2.1.3, 4.2.4.3.3, and 4.4.2) and minor terminology changes (*for example*, a change from ‘e-cash’ to ‘Cash Value’ throughout).

Issues:


Appendix A of the MOU requires MTC to give at least 90 days’ advance notice to all transit agencies before any changes are made to Section 3 (Operator Roles and Responsibilities) of the Operating Rules. MTC so notified each agency, by email from Clipper Executive Director Carol Kuester, on October 6, 2020. Although the proposed changes to Section 3 are only intended to be clarifying language modifications related to the introductions of the Clipper mobile app and the Clipper START program, and in MTC’s view do not substantively alter any of the roles or responsibilities of the Operators under either the MOU or the Operating Rules, MTC staff suggest that changes to Section 3 of the Operating Rules, if approved today by the Board, have an effective date of Monday, January 4, 2021—the ninetieth day after October 6, 2020. MTC staff further suggest that all proposed changes to the Operating Rules approved by the Board today have the same January 4th effective date--to make for a single, consistent effective date.

Recommendation:

Staff recommends approval of amendments of the Clipper Operating Rules as shown on the redlined document accompanying this memo as Attachment A, with such amendments to become effective on January 4, 2021.

Attachment:

Clipper Operating Rules, as of June 2012, with proposed November 2020 amendments


Carol Kuester



CLIPPER

Operating Rules

**MTC Resolution No. 3983, Revised
June 27, 2012**

MTC Res. 3983, Revised

DOCUMENT HISTORY

1. Draft version 1.0 distributed to transit agencies by MTC on June 29, 2010.
2. Draft version 1.1 approved by MTC Operations Committee on October 8, 2010; approval by MTC Commission deferred pending changes to Section 3.12.1.
3. MTC Resolution No. 3983 includes changes to Section 2.8.1, 3.2.2, 3.2.3, 3.2.6, 3.2.8, 3.5.1, 3.5.2, 3.9.2, 3.12.1, 4.2.1, 4.2.4.3.2, 4.2.4.3.3, 4.2.7.3.1, 4.2.8.1, 4.2.9, 4.2.9.1, 4.2.10.2, 4.11.2, and the Glossary and addition of Section 3.14, 4.6.3, and Attachment 1.
4. MTC adopts Resolution No. 3983 on February 22, 2012.
- ~~5.~~ MTC Resolution No. 3983, Revised, adopted June 27, 2012, includes substantive changes to Sections 4.2.4.3.2, 4.2.4.3.3, 4.2.8, 4.6.1 and 4.6.2.
- ~~6.~~ MTC adopts Resolution No. 3983, Revised, on October 28, 2015, delegating authority to make changes in the Clipper Operating Rules to the Clipper Executive Board.
- ~~5-7.~~ Operating Rules update approved by Clipper Executive Board on [date], 2020.

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Commented [LM1]: Table of Contents will need to be updated to correspond with revisions to the body of the document once revisions are approved by CEB.

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1. INTRODUCTION

1.1 CLIPPER® OVERVIEW

Clipper® is an Automated Fare Collection (“AFC”) program cooperatively developed and implemented by the transit operators (“~~e~~Operators”) in the nine-county San Francisco Bay Area and the Metropolitan Transportation Commission (“MTC”). The program was previously known as TransLink® until June 2010. The Clipper® card is a fare instrument that can operate in all of the different transit modes in the Bay Area (“the Region”) and can be used to pay fares for both inter-operator and intra-operator services.

MTC is the Clipper® Program Contracting Agency responsible for managing and administering the Clipper® Program on behalf of the participating Operators under the terms of the Amended and Restated Clipper® Memorandum of Understanding (“MOU”) entered into in February 2016, as amended. MTC works in close cooperation with the Operators that accept Clipper® for fare payment through a Clipper® Executive Board that establishes policy and priorities for the Clipper® Program and approves certain contracts. As the Clipper® Contracting Agency under the MOU, MTC (also, “Contracting Agency”) has a contract with Cubic Transportation Systems, Inc. (“Clipper® Contractor”) to design, build, operate, and maintain the Clipper® system (“Clipper® Contract”).

The operations and maintenance term of the Clipper® Contract was extended from November 2, 2019 to up to November 2, 2024 in Clipper Contract Change Order #218 to allow more time for the procurement, design, development and implementation of a next-generation Clipper® system. Cubic Transportation Systems, Inc. was also selected as the next-generation Clipper® system integrator following a multi-stage procurement conducted by MTC in collaboration with the Operators. A contract for the design, development and testing, installation and transition, operations and maintenance, and end-of-term transition of the next-generation Clipper® system was signed on September 26, 2018. These Operating Rules will be revised to address the next-generation Clipper® system following approval of its final design.

1.2 PURPOSE OF THIS DOCUMENT

These operating rules establish operating parameters and procedures for the operation and maintenance of the Clipper® system. This document identifies ~~transit e~~Operators’ responsibilities related to implementation, operation, and maintenance of the system, MTC’s responsibilities related to implementation, operation and maintenance of the system, and system policies. The rules and policies contained in this document are not intended to describe procedures for every scenario that will arise related to the implementation, operation and maintenance of the Clipper® system. Where any rules and/or policies conflict either with the Amended and Restated Clipper® Memorandum of Understanding (“MOU”) or the Clipper® Contract, the MOU or Contract, respectively, shall prevail.

2. MTC RESPONSIBILITIES

2.1 CARD ISSUANCE

2.1.1 Definition of Application Issuer

An application issuer is any single entity or a joint entity of multiple parties that owns and distributes any specific application that may be resident solely or jointly with other applications, on a smart card or on a mobile device that integrates smart card functionality. MTC retains the right to issue cards with the Clipper® Application.

2.1.2 Clipper® Application Issuer

MTC shall be the Application Issuer of the Clipper® Application, and MTC shall retain ownership of the Clipper® Application and brand, including related brands such as Clipper® STARTSM, regardless of which party issues the Clipper® card. MTC reserves the right to determine what services and entities are authorized to use the Clipper® Application and e-purse for payments for transit services and for non-transit applications such as parking facilities.

2.1.3 Definition of Card Issuer

A Clipper® Card Issuer is any single entity or a joint entity of multiple parties that MTC has formally approved to issue smart cards containing the Clipper® Application or a functioning subset of this application that enables them to be accepted as a form of payment. MTC is currently the sole Clipper® Card Issuer.

2.1.4 Card Issuer for Regionwide Implementation of Clipper®

MTC shall have the sole ~~exclusive~~ right to issue or authorize issuance of reloadable (“extended use”) or limited use cards with the full Clipper® Application ~~or a subset of this application on the card.~~ MTC also has the exclusive right to issue cards with limited features and life-cycle requirements, e.g., where a subset of the application may need to ~~must~~ be issued ~~in circumstances where because~~ the entire Clipper® Application is not required or will not fit on a physical card, i.e., limited use smart cards.

The MTC policy on card issuance in the Clipper® program is to encourage all qualified Card Issuers to issue cards with the Clipper® Application. No Card Issuer may issue a card with a Clipper® Application without the express written agreement of MTC. Such approval may be granted by MTC to entire classes of issuers under a single agreement.

2.2 CARD BASE MANAGEMENT

2.2.1 Clipper® Card Inventory

MTC shall be responsible for monitoring the Clipper® physical card inventory and maintaining a sufficient card inventory to meet regional demand.

2.2.2 Design of Personalized Cards

The design of personalized cards will be subject to approval by MTC regardless of whether the Clipper® Service Bureau (“CSB”) operated by the Clipper® Contractor distributes a personalized card.

2.3 DISTRIBUTION

2.3.1 Right to Determine Access to Distribution Devices

MTC retains the sole right to decide which cards shall have access to the distribution devices

Commented [LM2]: Deleting because MTC has authorized other entities, such as San Francisco State University and Motivate (bike share company acquired by Lyft) to act as card issuers.

owned by MTC and/or the operators and which services are to be extended to them.

2.3.2 Minimum Value Required When Acquiring Clipper® Card

MTC may establish temporary or permanent policies whereby a cardholder shall be required to load a minimum amount of value when acquiring a Clipper® card.

2.4 CARDHOLDER FEES

2.4.1 Setting Cardholder Fees

As the Clipper® Card Issuer and Application Issuer, as defined in Sections 2.1.2 and 2.1.3 above, MTC shall have the right to set, modify and/or waive the cardholder fees identified in Section 4.6.

2.4.2 Waiving of Cardholder Fees

MTC shall monitor the waiving of fees by the ~~CSB Customer Services Manager~~ Clipper® Contractor.

2.5 CARDHOLDER CONFIDENTIALITY

2.5.1 Confidentiality of Information

MTC shall ensure that the Clipper® Contractor maintains the confidentiality and privacy on the use of individual cards unless waived by a cardholder or under order of a court with jurisdiction over MTC. MTC shall define Special Conditions Regarding Personally Identifiable Information, as included in Attachment 1, with which the Operators shall comply.

2.6 SYSTEM FAILURE PLAN

2.6.1 Responsibility for Reviewing and Approving the Disaster Recovery Plan

MTC shall review the *Disaster Recovery Plan* and provide comments to the Contractor. MTC is responsible for either approving or rejecting the *Plan* and subsequent updates.

2.7 CLIPPER® FINANCIAL SETTLEMENT AND RELATED SERVICES

2.7.1 Treasury/Cash Management

The functions within treasury/cash management are the responsibility of the Application Issuer. The following processes will help account for funds held by the Application Issuer and protect the Application Issuer and operators from fraud, loss exposure, and expense.

For cards with the Clipper® Application, the following will be tracked and reported to the operators:

- The amount of funds collected from the initial distribution of Clipper® cards, i.e. card acquisition fees as described in Section 4.6.1 of this document, by ~~e~~Operators or third party distributors;
- The amount of funds held as unrealized revenue; and
- The amount of funds generated from the investment of the ~~f~~Funds ~~p~~Pool.

2.7.1.1 Funds Pool Accounting

The Application Issuer shall be responsible for all Clipper® Funds Pool Accounting functions for those pool funds it holds.

2.7.2 Claims

MTC shall oversee all claim investigation and assessment although an eOperator may participate at its option.

2.8 MARKETING

2.8.1 Clipper® Marketing Materials/Advertisements

MTC shall be responsible for designing, developing, and publishing/printing Clipper®-related marketing materials/advertisements. Where applicable, MTC and the eOperators shall be responsible for purchasing advertising space, etc. MTC shall provide Clipper® information in multiple languages, primarily English, Spanish and Chinese.

2.8.2 Updates to Cardholder Education Materials

MTC shall update cardholder education materials including cardholder education materials in alternate formats and foreign languages to reflect changes in the availability of Clipper®, modifications to the fees described in Section 4.6, and changes to the Clipper® Cardholder Agreement (<https://www.clippercard.com/ClipperWeb/agreement.html>).

2.8.3 Card Graphics

All Clipper® cards including limited use cards shall conform to a common design standard. MTC shall finalize the graphics standard(s) and publish them in the *Clipper® Brand Standards Guide* available at <https://www.clippercard.com/ClipperWeb/brand-guidelines.html>.

2.8.4 Advertising and Promotion General Policy

MTC in coordination with the ~~participating transit e~~eOperators shall coordinate the development of advertising to support the operation of the Clipper® program.

2.8.5 Monitoring of Card Promotions

MTC shall monitor the number of cards distributed by eOperators in accordance with Section 4.11.2.

3. OPERATOR RESPONSIBILITIES

3.1 ACCEPTANCE AND CONDITIONS OF USE

3.1.1 Acceptance of Clipper® Branded Cards

All ~~participating~~ ~~e~~Operators are obligated to accept all Clipper® branded cards, regardless of the issuer. Operators shall accept Clipper® cards as payment for all the fixed-route transit services they offer.

3.1.2 Fraud Detection and Control

Operators are responsible for ensuring that Clipper® cards and systems are used in a manner consistent with defined policies and procedures. Operators shall have the right to determine if customers are using cards fraudulently and confiscate ~~the physical~~ cards that are determined to be used fraudulently. ~~The e~~Operators must mail confiscated physical cards to the CSB, which will block the card from further use. A fraud investigation may be initiated by an Operator, MTC or ~~CSB~~ the Clipper® Contractor. Operators are required to cooperate with any investigation of fraud undertaken by MTC and/or ~~CSB~~ the Clipper® Contractor.

3.2 CARD BASE MANAGEMENT

3.2.1 Order Acceptance and Shipment

Operators shall provide to MTC the names and contact information for representatives eligible to order cards in bulk quantities. Operators shall notify MTC of changes in authorized personnel. Operators shall submit requests for cards to the ~~CSB~~ Clipper® Contractor using the approved form. CSB shall process orders signed by authorized ~~e~~Operator representatives.

3.2.2 Operator Responsibility for Lost or Stolen Clipper® Cards

Operators shall store Clipper® cards in a secure manner and report any loss or theft of cards to MTC. An operator must notify ~~CSB~~ the Clipper® Contractor and MTC in the event the ~~e~~Operator discovers cards are missing.

3.2.3 Proof of Eligibility for Youth and Senior Discount Fares

When a patron requests a card configured for the Youth or Senior Citizen fare category, transit operator personnel shall require the patron to present a government-issued identification showing the patron's date of birth. Specific forms of identification that shall be accepted are the following:

- Birth certificate;
- Driver's license or state identification card issued by any state;
- Federal government-issued "Green Card" (Alien Registration card, Permanent Resident card);
- Matricula Consular card issued by the Mexican government (also referred to as a Consular Identification Card);
- Passport from any nation;
- San Francisco or other City Identification Card; and
- Other identification that ~~transit e~~Operator personnel determine to be adequate for determining the patron's date of birth.

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Operators may accept expired forms of photo identification (i.e. passport and driver's license) if the applicant is present and a visual match can be made.

3.2.4 Management of Personalized Cards Distributed to Institutional Program Participants

The Operator or third-party institutional program manager shall monitor the eligibility status of persons with personalized cards and either retrieve cards from ineligible persons or notify ~~CSB~~the Clipper® Contractor that a patron's card and/or institutional pass should be blocked.

3.2.5 ~~Senior~~Disabled (RTC Discount) Card Eligibility Tracking

Operators shall manage the RTC Discount Card Central Processor. At the operator's direction, the RTC Discount Card Central Processor shall monitor the eligibility status of persons with cards configured for the ~~Senior~~Disabled (RTC Discount) fare category.

3.2.6 Availability of Additional ~~Senior~~Disabled (RTC Discount) Cards for Patrons Qualified to Travel with an Attendant

Upon request by a patron, Operators, through the Regional Transit Connection Discount Card Program, shall provide a second valid card to patrons who both qualify for cards configured for the ~~Senior~~Disabled (RTC Discount) fare category and who qualify to travel with an attendant. Operators participating in the RTC Discount Card Program shall establish consistent procedures for accepting requests for second cards from eligible patrons and blocking cards in the event that an ~~Operator~~ determines a patron has fraudulently used a card.

3.2.7 Tracking of Cards with Operator Employee Products

~~The appropriate transit Operator~~ shall monitor the eligibility status of persons with cards with operator employee products and either retrieve cards with employee products from ineligible persons or notify CSB that a patron's card and/or employee pass should be blocked.

3.2.8 Card Registration at Ticket Offices

Operators shall register patrons' physical cards at ticket offices equipped with Ticket Office Terminals ("TOTs"). Operators shall immediately register the patrons' cards upon receipt of the patrons' information.

3.3 DISTRIBUTION

3.3.1 Card Distribution by Operators

Operators shall be responsible for distributing Youth, Senior and Adult Clipper® cards to their patrons. Operators shall distribute cards at ticket offices that have been equipped with TOTs; ~~Operator~~ may also distribute cards at other locations approved by MTC.

3.3.2 Collection of Cash from Distributors and Vending Machines

~~CSB~~The Clipper® Contractor will debit ~~Operator~~ for physical Clipper® cards, ~~e-cash~~Cash Value and other ~~Operator~~'s products sold on their properties.

3.3.3 Initial Card Value

Where ~~Operator~~ intend to distribute cards preloaded with value, ~~Operator~~ shall be responsible for funding the addition of any value to the cards.

3.3.4 Distribution of Cards to Operator Employees

Operators shall be responsible for making cards available to their employees, the dependents of their employees, retirees, board members, consultants, and others, as determined by individual ~~e~~Operator policies. If necessary, the ~~participating e~~Operators will assist CSB in monitoring the distribution of Operator Employee passes by providing CSB with both the name of each individual to whom a card with an Operator Employee pass is distributed and the card serial number of the respective card.

3.4 FARES AND PASSES

3.4.1 General Fare Policy

Transit fare policy shall remain the exclusive right of the ~~e~~Operators and their respective policy boards. Operators set their own fares, acting singly for services within that ~~e~~Operator's property and in conjunction with contiguous ~~e~~Operators for inter-~~e~~Operator fares.

3.4.2 Passes

Operators shall establish vending windows for their calendar passes.

3.4.3 Stored Rides

Operators shall establish rules regarding the expiration of their stored ride products.

~~3.4.4 Senior/Disabled (RTC Discount) Fare Category~~

~~Operators shall individually determine whether to limit the availability of certain senior citizen fares and/or fare products to senior citizens with personalized cards for the Senior/Disabled (RTC Discount) fare category.~~

Commented [LM3]: Deleted this paragraph because RTC cards are no longer issued to Seniors and because the availability of Senior Clipper cards has been standardized throughout the region.

~~3.4.5~~ 3.4.4 Operator Employee Passes

Operators loading an Operator Employee pass to a card may require that the card be personalized with a photograph, the logo of the ~~e~~Operator with which the cardholder is associated, and/or the cardholder's name. Where an ~~e~~Operator requires personalization of a card loaded with an Operators Employee pass, ~~e~~Operators shall be responsible for any incremental charges associated with the design, development, manufacture, and/or printing of the card as indicated in Section 3.12.3 of this document.

3.5 CLIPPER® CARD REFUNDS

3.5.1 Operator Products

The value of ~~e~~Operator products may be refunded at the discretion of the ~~e~~Operator(s) on which the product is valid. If an ~~e~~Operator approves the refund of a product, ~~CSB~~the Clipper® Contractor will block the product so that it is no longer valid.

Operators shall provide authorization to ~~CSB's Customer Services Manager~~the Clipper® Contractor to grant or deny a refund of ~~e-cash~~Cash Value and/or an ~~e~~Operator product at his/her discretion up to limits specified by the ~~e~~Operator. Beyond these limits, the ~~Customer Services Manager-Clipper® Contractor~~ will grant or deny refunds after consultation with designated personnel from the affected ~~transit e~~Operator.

3.5.2 Identification of Designated Operator Personnel Authorized to Approve Refunds

Each ~~participating transit~~ Operator shall identify at least two representatives authorized to provide approval for the granting of refunds by the CSB Customer Service Manager where the refund affects the amount due to a respective ~~transit~~ Operator.

3.6 CARDHOLDER FEES

3.6.1 Cards Configured for the ~~Senior/Disabled~~ (RTC Discount) Fare Category

Operators participating in the RTC Discount Card Program shall be responsible for setting cardholder fees associated with the acquisition, replacement and renewal of cards configured for the ~~Senior/Disabled~~ (RTC Discount) fare category. The Clipper® Operating Rules do not govern the RTC Discount Card Program fees.

3.7 DISTRIBUTION AND FARE PAYMENT DEVICE NETWORK MANAGEMENT

3.7.1 Distribution Device Network Management

Operators that have procured equipment outside of the Clipper® Contract shall be responsible for monitoring and managing their own devices and networks for those devices.

3.7.2 Reporting to the Clipper® Central System

All Clipper® transactions shall be reported to the Clipper® Central System (“CCS”). Where ~~Operators~~ manage devices, Operators shall ensure that those devices report all transactions to the CCS.

3.7.3 Software Application and Configuration Data Downloads

Operators shall ensure that devices are powered on to enable receipt of software and Configuration Data (“CD”) downloads. Operators shall cooperate with ~~CSB~~ the Clipper® Contractor and perform first- line maintenance if requested by ~~CSB~~ the Clipper® Contractor as part of the troubleshooting process.

3.7.4 Authorization for Software Application Downloads

Each operator shall designate an individual who will be responsible for authorizing software and CD downloads. After completing internal testing of a pending software application release, CSB shall issue detailed release notes and schedule time for MTC and ~~for the Operators~~ to witness testing of the release in the CSB test-bed. ~~MTC or CSB~~ The Clipper® Contractor shall propose a deployment date and request Operators to authorize the software download. Operators shall not unreasonably withhold such authorization, particularly when the release is intended to implement a required fare change.

3.7.5 Fare Table Updates

The responsible Operator will report to MTC the fare tables and transfer policies to be changed or added (e.g., a fare increase). MTC shall forward the Operator data to the Clipper® Contractor for implementation.

3.7.6 Changes to Clipper® Configuration Data to Enable Fare Changes

~~Transit~~ Operators shall notify MTC at least 60 days prior to the effective date of the changes to the fare tables and transfer policies. More time is required for significant or structural changes.

The date of the download may be prior to the effective date of the change. An ~~operator~~ ~~with mobile devices (i.e., installed on vehicles)~~ may opt to select a download date one or two weeks prior to the effective date of the change in order to maximize the percentage of devices that have received the download when the effective date is reached.

3.7.7 Field Testing

At their option, ~~operators~~ may conduct field tests of software/CD releases to confirm that the software/CD functions as documented in the release notes and as demonstrated in the test-bed. Operators shall report any negative findings from such field testing to MTC and ~~for CSB, the Clipper® Contractor.~~

3.7.8 Notification of Issues Following Software/CD Deployment

Operators shall immediately notify ~~CSB~~ the Clipper® Contractor of any problems arising from a software/CD download.

3.8 CLIPPER® ASSET MANAGEMENT SERVICES

3.8.1 Software Management Services

An ~~operator~~ may assume responsibility for software installation for the systems installed at its facilities or on its vehicles subject to MTC's approval of such transfer of responsibility. Otherwise, the Contractor shall be responsible for software installation at all levels of the system.

3.8.2 Transit Operator Asset Management Responsibilities

Operators are responsible for ensuring that access to Clipper® devices is controlled, protected, and limited to authorized personnel within their organizations.

3.9 TECHNICAL SUPPORT AND MAINTENANCE LEVELS

3.9.1 Responsibility for Failure Detection

Operators, as well as the Contractor and MTC, shall be responsible for reporting device failures and events that could indicate a failure affecting information processing systems at the CCS.

3.9.2 Operation and Maintenance of Clipper® Equipment

All ~~participating operators~~ are obligated to operate and maintain Clipper® equipment in accordance with these rules, and maintain equipment to ensure the highest level of availability for use by consumers. Operational and maintenance responsibilities include, but are not limited to:

- a. Managing the inventory of spare components stored on each Operator's property;
- b. Isolating failed Card Interface Devices ("CIDs") and components (e.g., Add Value Machine ("AVM") modules) and replace with spares;
- c. Returning failed CIDs and components to the CSB for replacement;
- d. Revenue servicing TOTs, AVMs and Ticket Vending Machines ("TVMs");
- e. Maintaining inventory of Clipper® cards and limited use Clipper® tickets in TVMs;
- f. Performing fingertip maintenance; and
- g. Operating Clipper® equipment (e.g., driver consoles, TOTs, Handheld Card Readers ("HCRs"), etc.) as required.

3.9.3 Responsibilities Shared by the Contractor and the Operators

Maintenance of equipment installed at **Operator**'s sites will be a shared responsibility between **Operator** staff and the Contractor. Operator staff will be responsible for first-line maintenance, which includes preventive maintenance and depot maintenance item diagnosis, removal and installation. The Contractor shall be responsible for the overall depot maintenance program and on-call maintenance when escalated beyond the **Operator**'s handling of the situation.

3.9.3.1 Maintenance Responsibilities by Device

The following table provides an overview of the maintenance responsibilities of the **Operator**s that are further described in this section.

MAINTENANCE SERVICES	
EQUIPMENT	Operator Responsibility
On-Board CID (CID 1)	1 st Line Maintenance
Stand-Alone CID (CID 2)	1 st Line Maintenance
CID Faregates	1 st Line Maintenance
Wireless Data Transmission System ("WDTS")	1 st Line Maintenance
Handheld Card Reader	1 st Line Maintenance
Add Value Machine	1 st Line Maintenance
Ticket Office Terminal	1 st Line Maintenance
Clipper® Data Server ("CDS")	1 st Line Maintenance
Automatic Zone Determination System ("AZDS")	1 st Line Maintenance
Clipper® Ticket Vending Machines ("TVM")	1 st Line Maintenance

3.9.3.2 First Line Maintenance

Certified **Operator** personnel will perform first line maintenance.

3.10 DATA COMMUNICATIONS AND REPORTING

3.10.1 Data Communications Links

Operators share responsibility with the **Clipper®** Contractor for maintaining the data communications links between Clipper® devices on their properties. In addition, if **Operator**s purchase Clipper® equipment independently (i.e., not through MTC), they are responsible for extracting data from that equipment and transmitting it to the CCS in accordance with message and data format and security standards as defined by the Clipper® Contractor.

3.11 CLIPPER® FINANCIAL SETTLEMENT AND RELATED SERVICES

3.11.1 Establishment of Settlement Accounts

Each **Operator** shall establish bank accounts and account agreements with **CSBthe Clipper® Contractor** to enable their participation in the settlement process.

3.11.2 Deposit of Cash

Operators are responsible for depositing cash from Clipper® card and value distribution transactions into their accounts to cover funds due to the Clipper® **Funds Pool**. Net settlement will debit **Operator**s for card and value distribution transactions of value during the cycle in which the transactions take place regardless of whether **Operator**s have deposited the cash collected.

3.11.3 Collection of Cash from Distributors and Vending Machines

Distributors, including ~~e~~Operators, will be debited for Clipper® ~~e-cash~~Cash Value, physical cards, and other ~~e~~Operators' products sold on their properties and will be responsible for collecting cash from vending machines on their properties. Operators will be debited according to Clipper® records. For devices revenue serviced by the ~~transit~~eOperators, cash shortfalls or overages shall be the responsibility of the ~~e~~Operators.

3.12 MARKETING

3.12.1 General Responsibility

Operators shall promote the use of Clipper® cards to their respective customers. Operators shall provide Clipper® information in multiple languages, primarily English, Spanish and Chinese.

3.12.2 Responsibility for Maintaining Inventory of Cardholder Education Materials

Operators shall maintain a sufficient inventory of cardholder education materials at locations that they operate. When needed, ~~e~~Operators shall request additional cardholder education materials from CSB or MTC.

3.12.3 Operator-Specific Card Graphics

Any ~~e~~Operator that wishes to develop an ~~e~~Operator-specific card graphic will fund incremental charges associated with the design, development, manufacture, and/or printing of that card.

3.13 CUSTOMER SERVICES

3.13.1 Coordination between ~~CSB Customer Service Center~~the Clipper® Contractor A and Transit Operator Customer Service Centers

Operators shall work cooperatively with the ~~CSB Clipper® Contractor~~ to resolve customer service issues.

3.14 PERSONALLY IDENTIFIABLE INFORMATION

3.14.1 Security of Clipper® Customers' Personally Identifiable Information

Operators shall comply, and shall cause all contractors/consultants who have access to Personally-Identifiable Information ("PII"), as defined in Section 5, Glossary of Terms, to comply, with the special provisions related to the access and protection of PII set forth in Attachment 1 to these Operating Rules, Special Conditions Regarding Personally Identifiable Information, as amended from time to time by MTC due to changes in applicable law or regulation.

4. SYSTEM POLICIES

4.1 ACCEPTANCE AND CONDITIONS OF USE

4.1.1 Conditions of Use

~~The A~~ cardholder, while using the services and facilities of the ~~e~~Ooperators, shall be subject to and comply with the bylaws, rules, and regulations of the respective ~~e~~Ooperators and with the Clipper® Cardholder License Agreement (<https://www.clippercard.com/ClipperWeb/agreement.html>). Upon distribution, a card may be used in accordance with these conditions by a cardholder who is:

- The bearer of the card; and
- The person identified as being entitled to use of the card in the card data with respect to any registered card.

4.1.2 Transferability of the Card

The card (except for registered cards and unregistered personalized cards, such as cards configured for the ~~Senior~~ Disabled [RTC Discount] fare category) is transferable, and it is valid for use by the bearer. Registered cards, as defined in Section 4.2.4, and personalized cards, as defined in Section 4.2.7, are not transferable and can only be used by the person identified in the card data as authorized to use the card.

4.1.3 Operator Fees, Charges, Discounts, Etc.

Payment for transit services by deduction of the encoded value in the card ~~for transit services~~ is subject to the fee, charge, discount and/or concession and other relevant conditions of the respective ~~e~~Ooperators effective at the time when service is offered and used.

4.1.4 Rejection of Clipper® Card for Fare Payment

Operators may demand fare payment in a form other than the Clipper® card under the following conditions:

- ~~E-cash~~Cash Value balance on the card upon entry is insufficient to pay the fare;
- ~~E-cash~~Cash Value balance on the card upon entry has a negative value;
- The pass and/or stored rides on the Clipper® card have expired;
- The value stored in the BART High Value Discount E-purse is lower than the fare for the least expensive one way trip on BART;
- Clipper® card is expired;
- Upon request by ~~transit e~~Ooperator personnel, the patron cannot verify eligibility for a discount fare enabled by his/her card;
- The patron is attempting to use a card fraudulently;
- Clipper® card has been added to the hotlist or blocked from the system; or
- Clipper® card is damaged or defective.

4.1.5 Card Reader Failure

In the event of a card reader failure, ~~e~~Ooperators may at their option either demand an alternative form of payment or allow Clipper® cardholders a free ride. Neither MTC nor the Clipper® Contractor shall reimburse ~~e~~Ooperators for free rides granted due to malfunctioning readers and in accordance with individual ~~e~~Ooperator policies.

4.2 CARD BASE MANAGEMENT

4.2.1 Expiration of Clipper® Cards

Clipper® cards configured for the Adult, Youth and Senior Citizen fare categories will expire 20 years after issuance, and patrons shall be able to transfer value from an expired card to a replacement card. ~~Senior/Certain~~ Disabled (RTC Discount) Cards shall expire in accordance with the policies established by the RTC Discount Card Program.

4.2.2 Adding Cards to the Hotlist

Clipper® cards can be blocked from use in the system under the following circumstances:

- The card is reported as lost, stolen, or damaged;
- Fraudulent use of the card is suspected or has been established; and
- Funding for the Autoload feature is denied.

Clipper® products can be blocked from use in the system under the following circumstances:

- Funding for the Autoload feature is denied;
- An employee's tenure terminates with an employer that funds value and/or authorizes eligibility for a particular product on a particular employee's card; or
- An individual is no longer a participant in an institutional program.

4.2.3 Unregistered Cards

Unregistered cards are those where the Card Issuer does not know the identity of the cardholder. If distributed by the RTC Discount Card Program Central Processor, unregistered cards will be personalized with a cardholder's name and photograph, but the Central Processor may only provide the card serial number to the Card Issuer. CSB will not receive the cardholder's information from the Central Processor.

- All unregistered cards distributed by operators or third party distributors will be configured for the Adult fare category.
- All unregistered cards distributed by the RTC Discount Card Program Central Processor will be configured for the ~~Senior~~ Disabled (RTC Discount) fare category.
- All unregistered cards distributed by the RTC Discount Card Program Central Processor will be personalized (see Section 4.2.7).
- Unregistered cards and any confirmed value remaining on unregistered cards cannot be replaced if lost, stolen, or non-functioning, unless the card is determined to be defective by CSB or the card is configured for the ~~Senior~~ Disabled (RTC Discount) fare category.¹

4.2.4 Registered Cards

Registered cards are those where the Card Issuer knows the identity of the cardholder. Some registered physical cards may have distinguishing physical features such as the printed word "Senior" and/or a colored stripe in the case of registered cards used by senior citizens or the cardholder's printed name and/or photograph in the case of personalized cards.

¹ If a cardholder claims his/her card is defective and submits the card to CSB in exchange for a replacement card, the cardholder will need to provide his/her name and mailing address to CSB.

A cardholder must register his/her card to:

- Receive the card via mail from CSB;
- Utilize optional features such as Balance Restoration, Autoload, and automatic enabling of audio and/or alternate language functions when using AVMs;
- Receive value through employers, employer benefit programs (except where the cardholder redeems a voucher or a benefit program debit card) and/or institutional programs;
- Receive a refund of any confirmed remaining e-cash value on his/her card;
- Receive a card that is configured for either the Youth fare category or the Senior Citizen fare category; and
- Enable the retrieval of a lost or stolen card that is returned to CSB or an ~~e~~Operator.

The process of registering a card and the processes of electing to utilize Clipper®'s optional features; arranging to receive loads through an institutional program; or seeking to qualify for discount fares and/or products may be distinct. This will be the case for patrons with cards configured for the ~~Senior~~ Disabled (RTC Discount) fare category.

4.2.4.1 Information Required for Card Registration

To register a card, a patron must provide his/her name, a mailing address, a telephone number, and a security question and answer. Patrons may submit this information to CSB in writing, via telephone, or through the Clipper® website; at an ~~transit e~~Operator ticket office or Clipper® in-person customer service center equipped with a TOT; or a location that accepts the Clipper® Youth and Senior Card Application. Where a patron registers a card through ~~the~~ Clipper® website, the patron must provide an e-mail address. An institutional program may also furnish the registration data to CSB.

4.2.4.2 Additional Information that May Be Captured When Registering a Card

Additional cardholder account information may include, but is not limited to, the cardholder's fax number, e-mail address, bank account number, credit card account number, and/or birth date.

The specific required additional cardholder information depends on whether a patron registers for optional features; receives value through an employer, employer benefit program, or institutional program; or seeks to qualify for discount fares and/or products.

4.2.4.3 Availability of Registered Cards

4.2.4.3.1 Availability of Registered Cards Configured for the Adult Fare Category

A cardholder may acquire a registered card configured for the Adult Fare Category directly ~~from CSB, a transit operator~~ through the Clipper® websites or Clipper® mobile app, by calling Clipper® Customer Service, or by visiting an Operator ticket office or Clipper® in-person customer service center equipped with a TOT, ~~or an institutional program. A patron with an unregistered Adult card can register it at any time through the previously listed channels by providing the information described in Section 4.2.4.1.~~

4.2.4.3.2 Availability of Registered Cards Configured for the Senior Citizen Fare Category

To pay discount fares based on age, a senior citizen may acquire a Clipper® card configured for the Senior Citizen fare category. A senior citizen may apply for and receive a card upon

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submission of a qualifying application at: an ~~transit~~ eOperator ticket office; one of the Clipper® in-person customer service centers overseen by MTC; an MTC or operator-sponsored outreach event; other locations approved by the operators that may or may not be equipped with TOTs, but which have agreed to the provisions in Attachment 1; or by mail or email using a MTC-approved card application form and accompanied by copies of documentation that indicates proof of eligibility in accordance with Section 3.2.3. Except for applications submitted by mail or email, all senior citizens applying for senior Clipper® cards must apply in person and present valid identification verifying they meet the minimum age requirement.

~~Transit~~ eOperator ticket offices may select from two options that provide a senior Clipper® card to the patron immediately upon submission of a qualifying application: (1) The TOT option requires eOperator verification of the eligibility of the date of birth, entering the applicant information into the TOT directly, and providing a registered card to the patron. (2) The pre-initialized card issuance option requires the verification of the patron's application and the submission of the completed application to CSB for processing.

4.2.4.3.3 Availability of Registered Cards Configured for the Youth Fare Category

A youth, or his/her representative, may apply for a Clipper® card encoded with his/her birth date at ~~transit~~ eOperator ticket offices; at in-person customer service centers overseen by MTC and equipped with TOTs; by mail or email; or at a location operated by a third party operating under a written agreement with MTC or an ~~transit~~ eOperator where the written agreement includes the provisions of Attachment 1. ~~Transit~~ eOperators and in-person customer service centers will provide Clipper® youth cards on-site upon receipt of qualifying applications and verification of age eligibility. Operators that require personalized youth cards may require additional time to produce the card. These cards will be sent via mail within an acceptable time frame. A youth does not need to appear in-person when acquiring a card configured for the Youth fare category.

CSB may only fulfill requests for new youth cards if the request is made by:

- a. Approved ~~transit~~ eOperator personnel;
- b. An entity authorized by the eOperators to receive, review, and approve requests for youth cards (e.g., a school);
- c. In-person customer service center personnel; or
- d. Mail or email using a MTC-approved card application form and accompanied by copies of documentation that indicates proof of eligibility in accordance with Section 3.2.3.

~~Except for applications submitted by mail or email, an applicant for a card configured for the Youth fare category must appear in person to present approved identification indicating the applicant's age in order to acquire a Clipper® card encoded with the applicant's birth date.~~

Commented [LM4]: Deleted because this is factually incorrect.

4.2.4.4 Tracking of Registered Youth and Senior Citizen Clipper® Cards

In order to issue a card configured for either the Youth or Senior Citizen fare categories, the authorized Clipper® distributor will need to enter the following information for upload into the card database:

- a. Name of the cardholder for whom the card is being encoded;
- b. Date of birth being encoded on the card, where appropriate;

- c. The address of the cardholder for whom the card is being encoded; and
- d. The type and complete serial number of the document presented as proof of eligibility.

4.2.5 Converting an Unregistered Card to a Registered Card

A cardholder may convert an unregistered card to a registered card through the recording of the cardholder's personal information as described in Section 4.2.4.1.

4.2.6 Proof of Eligibility for Discount Fares or Institutional Programs

~~Transit~~ operators may establish additional ~~age verification procedures~~ requirements for ~~determining eligibility for the Youth fare category~~ managing programs that offer access to institutional passes or discounted fares and passes, subject to the approval of MTC. ~~These requirements may include card personalization or the submission of documentation related to income or status as a student, veteran or other qualifying status, as well as the limitation of specific products that are not available for patrons to purchase directly through Clipper® distribution channels~~ to personalized cards.

Commented [LM5]: This covers Clipper START.

Per the requirements of the RTC Discount Card Program, persons with disabilities ~~and senior citizens~~ seeking ~~Senior~~ Disabled (RTC Discount) Cards must demonstrate their eligibility for discounts based on ~~age or~~ disability by submitting a complete RTC Discount Card Application to ~~an participating transit~~ operator, which forwards the applications to the RTC Discount Card Program Central Processor.

Patrons who obtain a Clipper® card ~~configured for either the Youth fare category or the Senior Citizen fare category~~ that offers access to institutional passes or discounted fares and passes must be prepared to show proof of eligibility ~~when using the card~~ if requested by ~~transit~~ operator personnel.

4.2.7 Personalized Cards

All physical cards configured for the ~~Senior~~ Disabled (RTC Discount) fare category will be personalized. A cardholder may be required to personalize his/her card:

- To participate in certain employer benefit, ~~or~~ institutional or discounted fare programs; ~~and~~
- To utilize an ~~operator~~ employee pass; ~~and~~
- ~~To use a discounted fare product on certain transit operators.~~

Commented [LM6]: This covers Clipper START.

4.2.7.1 Information Required for Card Personalization

The information that ~~a patron must provide in order to receive~~ appears on a personalized card depends on ~~why the patron is receiving a personalized card~~ an Operator's or program's requirements, subject to the approval of MTC. A patron requesting a card configured for the ~~Senior~~ Disabled (RTC Discount) fare category must provide all information required by the policies of the RTC Discount Card Program. For other personalized cards, a patron may be required to provide his/her name, contact information, security question and answer, proof of eligibility for a discount, a photograph, and/or an employee identification number. A cardholder seeking to qualify for a card that enables payment of discount fare other than discounts available to a patron with a ~~Senior~~ Disabled (RTC Discount) Card must prove the accuracy of his/her personal information according to the policies of the specific discount for which the cardholder is seeking to qualify.

~~4.2.7.2 Management of Personalized Cards Distributed to Institutional Program Participants~~

~~An institutional program may require a patron participating in that program to have a personalized card, subject to the approval of MTC.~~

Commented [LM7]: Deleted because now covered in Sections 4.2.6 and 4.2.7.1.

~~4.2.7.3~~ **4.2.7.2 Availability of Personalized Cards**

The availability of personalized cards is limited to qualifying persons.

Personalized cards may be available through distributors that are qualified by the Operators. In some cases, an employer, ~~transit~~ Operator, or institution may process requests for personalized cards, though the actual distribution of a personalized card may be through CSB.

~~4.2.7.3.1~~ **4.2.7.2.1** Availability of Cards Configured for the ~~Senior~~/Disabled (RTC Discount) Fare Category

In accordance with the policies of the RTC Discount Card Program, patrons will submit applications for cards configured for the ~~Senior~~/Disabled (RTC Discount) fare category through ~~transit~~ Operator ticket offices or through the mail for card renewals. The RTC Discount Card Program Central Processor will be responsible for processing applications and verifying the eligibility of applicants for the RTC Discount Card Program. Either the RTC Discount Card Program Central Processor or CSB will distribute the cards directly to patrons.

Patrons who qualify for the RTC Discount Card Program and who qualify to travel with an attendant may request a second card configured for the ~~Senior~~/Disabled (RTC Discount) fare category for use by the attendant.

4.2.8 Balance Restoration

A patron who either registers his/her card in accordance with Section 4.2.4.1 or is the bearer of a card configured for the ~~Senior~~/Disabled (RTC Discount) fare category may use the Balance Restoration feature to obtain a replacement of any confirmed remaining value on his/her card if s/he reports his/her card as lost, damaged, or stolen. A patron obtaining a replacement of value from a lost, stolen, or damaged card must acquire a new card and pay any fees, as indicated in Section 4.6.1 of this document. For a cardholder requesting replacement of a lost, stolen, or damaged card configured for the ~~Senior~~/Disabled (RTC Discount) fare category, the RTC Discount Card Program Central Processor or CSB will restore the balance from the lost, stolen, or damaged card to a replacement card. Neither the RTC Discount Card Program Central Processor nor CSB will ~~not~~ provide a refund of value from a lost, stolen, or damaged card.

4.2.8.1 Requesting a Transfer of Value to a Replacement Card

To request the transfer of value from a lost, damaged, or stolen registered card configured for the Adult, Youth, or Senior Citizen fare categories to a replacement, the cardholder must contact CSB or visit a Clipper® in-person customer service center~~s~~ overseen by MTC to report that ~~his/her/the~~ card is lost, damaged, or stolen. CSB or the Clipper® in-person customer service center will require that the cardholder verify ~~his/her identity~~ the registered card account details prior to ~~adding the patron's card to the hotlist and transferring the remaining value on the card to~~ issuing a replacement with the balance restored.

A cardholder requesting replacement of a card configured for the ~~Senior~~/Disabled (RTC Discount) fare category must request a replacement card in accordance with the rules established by the RTC Discount Card Program. A cardholder requesting replacements of a card configured for the ~~Senior~~/Disabled (RTC Discount) fare category will receive a replacement card with any remaining value from the lost, stolen, or damaged card.

4.2.9 Card Replacement

The cardholder holds the card at his/her own risk. If ~~the a physical~~ card malfunctions due to no fault of the cardholder within one year of the cardholder first using the card, the cardholder may obtain a replacement card and transfer any confirmed remaining value (e.g., e-cash, transit pass, stored rides, and/or value in the BART High Value Discount E-purse) to the replacement card at no cost to the cardholder.

If CSB or Clipper® in-person customer service center determines that a card has been in use for longer than a year, CSB will handle the card replacement as it would the replacement of a damaged card.

4.2.9.1 Requesting Replacement of a Card Suspected of Being Defective

To request a replacement for a card suspected of being defective, a cardholder must submit a completed replacement request form and provide his/her non-functioning Clipper® card to CSB or an third-party authorized by MTC to perform this function, e.g. the Clipper® in-person customer service centers, for testing. When requesting replacement of a non-functioning card via mail, a cardholder must provide CSB with a valid mailing address, even if the non-functioning card is unregistered.

4.2.10 Replacement of Non-Functioning Cards

4.2.10.1 Defective Cards

If CSB or an authorized third-party determines that a card is defective, CSB or the authorized third-party will issue, at no charge, a replacement card pre-loaded with any confirmed remaining value on the original card.

If CSB receives a card and determines that it is defective after the cardholder has already paid fees for the card replacement and balance restoration, CSB will refund the fees back to the credit/debit card that was used to pay the fees.

4.2.10.2 Other Non-Functioning Cards

If CSB or an authorized third-party determines that a card does not function for a reason other than a defect in the card's hardware or software, the cardholder will be responsible for the replacement of the card.

4.2.11 Blocked Cards and Products

4.2.11.1 Blocking Value Due to Change in Eligibility for Specific Product

~~For-If MTC, an Operator or an entity authorized by MTC or an Operator determines that a cardholders who receive no longer meets eligibility requirements for an Operator employee pass, institutional pass or discount product, they operator products on the basis of employment with a particular employer or other similar qualifications where an employer or another entity controls eligibility for a particular product (Eco Pass, etc.), the employer or other entity may provide the cardholder's card serial number and request that CSB block the pass or product-if the cardholder no longer qualifies for the product.~~

For cardholders who receive ~~o~~Operator products on the basis of fare category eligibility (e.g., an ~~agency~~Operator's youth pass) but who have been determined to be ineligible according to the specific requirements set by the ~~transit agency~~Operator, the ~~transit agency~~Operator may request that CSB block the product.

4.3 DISTRIBUTION

4.3.1 Loading ~~E-cash~~Cash Value

A cardholder may add ~~e-cash~~Cash Value to his/her Clipper® card at any time up to the maximum allowable balance of \$300.00. ~~E-cash~~Value does not expire.

4.3.2 Minimum Value Required When Acquiring Clipper® Card

As indicated in Section 2.3.2, MTC may establish temporary or permanent policies whereby a cardholder shall be required to load a minimum amount of value when acquiring a Clipper® card.

4.3.3 Autoload

4.3.3.1 Value Thresholds for Autoload

When a ~~cardholder subscribes to the Autoload Program, value reloads on the specified card whenever one of the following occurs~~ card is set up for threshold Autoload, the selected value will automatically reload when a cardholder tags a card to pay a fare and: (1) the ~~cardholder's e-cash~~Cash Value or BART High Value Discount balance falls below \$10.00; (2) the cardholder's transit pass ~~expires~~has expired; (3) ~~or~~ the number of stored rides remaining on the card falls below three; ~~or (4) the balance of the BART High Value Discount E-purse falls below~~ \$10.00.

4.3.3.1.1 Minimum ~~E-cash~~Cash Value for Autoload

The minimum amount of ~~e-cash~~Cash Value that can be loaded via Autoload is \$20.00.

4.3.3.1.2 Maximum ~~E-cash~~Cash Value for Autoload

The maximum amount of ~~e-cash~~Cash Value that can be loaded via Autoload is ~~\$290~~255.00.

4.4 FARES AND PASSES

4.4.1 Application of Fare Discount When Fare Is Paid Using ~~E-cash~~Cash Value

When using Clipper® ~~e-cash~~Cash Value, discounts will be applied at point-of-use, not at point of purchase. ~~(Note that this rule does not apply to value loaded to the BART High Value Discount E-purse.)~~

4.4.2 Expiration of ~~Senior/Disabled~~ (RTC Discount) Cards

Eligibility for ~~certain the Senior/Disabled~~ (RTC Discount) Cards must be renewed ~~at least every three years periodically~~. A ~~patron's Senior/Disabled~~ (RTC Discount) Cards that are subject to periodic renewal shall be encoded with an expiration date in accordance with the policies of the RTC Discount Card Program so that the bearer may only use the card until 11:59 p.m. on that date, unless the date is extended per the instructions of the RTC Discount Card Program Central Processor. ~~A patron~~An RTC Discount cardholder may transfer the ~~e-cash~~Cash Value from an expired card to a valid replacement card.

4.4.3 Operator Employee Passes

When a cardholder presents a card with an Operator Employee pass anywhere other than at the operator where the Operator Employee pass is valid, the card shall be treated as an Adult, Youth, Senior Citizen or ~~Senior/Disabled~~ (RTC Discount) card, as applicable to the cardholder.

4.5 CLIPPER® CARD REFUNDS

4.5.1 General Refund Policy

A patron with a functioning unregistered card is not entitled to a refund of his/her confirmed

Commented [LM8]: Deleting this sentence because it's confusing and unnecessary. BART HVD is not e-cash/Cash Value.

Commented [LM9]: Section updated to be consistent with recent RTC Program policy changes.

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remaining ~~e-eash~~Cash Value balance under any circumstances. A patron with a registered card may request a refund of ~~e-eash~~Cash Value under the condition that s/he also relinquishes his/her card to CSB.

4.5.2 Exceptions to the General Refund Policy

The following is an exception to the general refund policy described above in Section 4.5.1. The CSB Customer Service Manager will consider such exceptions on a case-by-case basis and consult with designated personnel from the affected ~~transit-e~~Operator and/or distributor.

A patron may receive a refund of ~~e-eash~~Cash Value via remote add value if the system overcharges the patron. For example, if a patron must tag his/her card when exiting a vehicle/station to receive ~~an e-easha~~ Cash Value credit, and the system overcharges a patron because the CID is not available when the cardholder exits the vehicle/station.

In the cases outlined above, a patron may receive a refund of ~~e-eash~~Cash ~~+~~Value via remote add value. The patron does not need to relinquish his/her card to receive a refund via remote add value.

4.5.3 Responsibility for Processing Refunds

Only CSB will have authorization to process a Clipper® card refund. In any case where a refund will affect the funds due to an ~~an transit-e~~Operator, the CSB Customer Service Manager will request authorization to provide a refund from designated personnel from the affected ~~transit-e~~Operator. The CSB Customer Service Manager will not need to request authorization to provide a refund of ~~e-eash~~Cash Value, subject to the limitations in Sections 4.5.1 and 4.5.2 of this document.

4.5.4 Processing of a Refund

CSB will only provide a refund to the person to whom the card is registered.

4.5.4.1 Request for Refund of Products Offered to Participants in Operator-Managed Group/Employer Benefit Programs (Eco Pass, EasyPass, etc.)

A patron may not request a refund of a product offered to participants in ~~e~~Operator-managed group/employer benefit programs such as VTA's Eco Pass or the AC Transit EasyPass. CSB may block these products on a patron's card at the request of the cardholder or the ~~e~~Operator for which the product is valid, but the patron is entitled to no refund after CSB blocks the product.

4.5.5 Refund of Value Loaded as Pre-Tax Employee Benefit

CSB shall not provide refunds of the value remaining on a card if the bearer of the card previously added value to the card via a pre-tax employee benefit program.

4.5.6 Method of Providing Refunds

Subject to the restrictions described in Section 4.5.5, CSB will provide refunds by the method of payment used to load the value being refunded, where possible. If a patron loads value with cash and then requests a refund, the refund will be provided by check. If a patron requests a refund of value loaded using multiple methods of payment, the refund will be provided by check.

4.6 CARDHOLDER FEES

4.6.1 Schedule of Cardholder Fees

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The following nonrefundable fees may be charged to Clipper® cardholders. MTC may waive these fees at its discretion with the exception of fees set by ~~transit~~ Operators in accordance with Section 3.6.1 of this document.

The Clipper® program does not govern the fees for physical RTC Discount cards. The administrative fees associated with new or replacement RTC Discount cards will be set by the Operators participating in the RTC Discount Card Program.

Description	Fee
Card Acquisition for Standard Adult Cards <u>(both physical and mobile)</u>	\$3
Card Acquisition for Special/Limited Edition/Commemorative Adult Cards	TBD
Card Acquisition for Senior Citizen Card	\$0
Card Acquisition for Youth Card	\$0
Card Replacement and Balance Restoration <u>for Adult, Senior and Youth Cards*</u>	\$63
<u>Conversion of Physical Adult, Youth, Senior and RTC Cards to Mobile Cards</u>	<u>\$0</u>
Failed Autoload Authorization	\$5**
Administrative Fee for Card Refund Processing	\$5

* ~~CSB~~The Clipper® program will not assess this fee for a cardholder requesting ~~balance restoration for the Senior/Disabled (RTC Discount) fare category~~replacement of a Senior or Youth Clipper® card without a product or Cash Value balance.

** CSB will assess this fee on the second occasion that an Autoload funding source associated with a patron's card is declined and on every occasion thereafter.

4.6.2 Card Replacement and Balance Restoration Fee

Each time a patron reports a card as lost, stolen, or damaged and requests the transfer of value from the lost, stolen, or damaged card to a new card, CSB will charge a single fee covering both Card Replacement and Balance Restoration as indicated in Section 4.6.1 of this document.

~~Transit~~ Operators will not assess this fee for a cardholder requesting balance restoration for a card configured for the ~~Senior/Disabled (RTC Discount)~~ fare category.

4.6.3 Transit Benefit Program Administrative Fees

Third-party transit benefit programs that enable patrons to request Clipper® value through a website interface may charge patrons up to \$2 per month when a patron arranges to purchase Clipper® value on an ongoing basis through the benefit program's website. Neither MTC nor the ~~transit~~ Operators are responsible for collecting this fee; revenue generated by this fee is not payable either to MTC or the ~~transit~~ Operators.

4.6.4 Payment of Cardholder Fees

~~CSB shall not deduct value from the e-cash balance on a patron's~~Cardholders cannot use Cash Value loaded on a Clipper® card in order to pay a fee. Patrons acquiring cards at ~~third-party distributors and transit operator self-serve machines, retailers, Operator~~ ticket offices, or Clipper® in-person customer service centers, or through the Clipper® mobile app, may use any form of payment accepted by the device or distributor ~~or transit operator~~.

4.6.5 Waiving of the Card Acquisition Fee for Patrons Who Register for Autoload ~~or Receive Value through an Institutional Program~~

The Adult card acquisition fee will be waived for patrons who acquire a card and simultaneously sign up for Autoload online or by submission of a paper form~~either submit a completed Autoload application or arrange to receive value on an ongoing basis through an Institutional Program.~~

4.6.6 Waiving of the Cardholder Fees during Promotional Periods and/or for Marketing Purposes

~~The card acquisition and balance restoration fees may be waived~~MTC may agree to waive cardholder fees during promotional periods. The process for establishing promotions is described in Section 4.11.2.

4.6.7 Waiving of Fees for Low-Income Individuals and Organizations Serving Low-Income Individuals

4.6.7

MTC may agree to waive fees for organizations that serve low-income individuals, as well as those who qualify for programs based on income eligibility, such as Clipper® START^(SM).

4.6.8 Waiving of Fees at the Discretion of the ~~CSB Customer Services Manager~~Clipper® Contractor

The ~~CSB Customer Services Manager~~Clipper® Contractor may waive fees described above in Section 4.6.1 on a case-by-case basis ~~at his/her discretion~~. As indicated in Section 2.4.12 of this document, MTC shall monitor the waiving of fees by the ~~CSB Customer Services Manager~~Clipper® Contractor.

4.7 CARDHOLDER CONFIDENTIALITY

4.7.1 Cardholder Data and Personally Identifiable Information

All aggregate information including personally identifiable information (PII – as defined in Section 5, Glossary of Terms) and data relating to cardholders collected by the Fare Payment System shall be used by MTC and the ~~e~~Operators for the purposes of the operation and management of the Fare Payment System (“FPS”) and shall serve as a source of information and data for transit and/or related services, in general, but ~~information about individual cardholders~~PII shall be dealt with in a confidential manner consistent with the Clipper® Privacy Policy as posted on the Clipper® websites, unless:

- a. MTC obtains the express written consent of the cardholder; and/or
- b. ~~The patron indicates at the point of card registration that s/he would like to receive Clipper®/transit related information from CSB, MTC and/or their partners; and/or~~
- e-b. As otherwise required by law or ordered by a court of competent jurisdiction~~There is legal requirement to the contrary.~~

4.8 DISTRIBUTION AND FARE PAYMENT DEVICE NETWORK MANAGEMENT

There are three classes of configuration data (CD) – daily (hotlists and action lists), fare-related (e.g., fare tables) and administrative (e.g., operator names, route names, location names, product names, and calendar).

4.8.1 Daily CD

CSB shall download daily CD automatically. No pre-authorization by ~~e~~Operators is required.

4.8.2 Fare-Related CD

Commented [LM10]: This section revised to be consistent with Section 13 of the Clipper Cardholder Agreement.

Commented [LM11]: Deleted because inconsistent with Section 13.2 of the Clipper Cardholder Agreement.

Commented [LM12]: Revised to be consistent with Section 13.2 of the Clipper Cardholder Agreement.

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After completing internal testing of a pending fare-related CD release, CSB shall issue detailed release notes and schedule time for MTC and/or the eOperators to witness testing of the release in the CSB test-bed. MTC or CSB shall propose a deployment date and request eOperators to authorize the fare-related CD download. Operators shall not unreasonably withhold such authorization, particularly when the release is intended to implement a required fare change.

4.8.3 Administrative CD

After completing internal testing of a pending Administrative CD release, CSB shall issue detailed release notes and notify operators of the intended deployment date. No pre-authorization by eOperators is required.

4.9 DATA COLLECTION AND REPORTING

4.9.1 Data Communications Links

Operators will have full access to Clipper® usage data that is collected by Clipper® devices installed at their facilities or on their vehicles.

4.10 CLIPPER® FINANCIAL SETTLEMENT AND RELATED SERVICES

4.10.1 Add Value Transactions

Add value transactions can occur at distribution devices (AVMs, TOTs, TransLink® Retail Units, Ticket Vending Machines, and CIDs). The distribution devices provide for direct sales of Clipper® products and the CIDs provide for fulfillment of Autoload and remote add value transactions.

If a missing add value transaction does not appear within a 21-day window, the associated gap is resolved through identification of the amount of missing value, and the participants that collected funds and are due funds for the missing transaction. This information is identified using previous add value transaction history data that is stored on the card and is transmitted along with every subsequent transaction following an add value. The associated funds are automatically moved between the appropriate parties as a part of daily settlement and the gaps are closed, as follows:

- a. The party responsible for collecting cash for the sale of Clipper® value will be debited during settlement; and
- b. The party due reimbursement for the sale of Clipper® value will be credited during settlement.

Information regarding settlement of recovered add value transactions will be available on the next business day. CSB will notify transit operators of any anomalies in add value transaction gaps, should they occur.

If duplicate add value data for a gap is not available, and the original transaction cannot be recovered, ~~e-cash~~Cash Value gaps shall be resolved through standard gaps processing. The amount of the gap shall be determined through the examination of pre-gap and post-gap transactions, and moved from the Participant Claim Fund ("PCF") account to the Float account when the gap is closed.

An eOperator may file a grievance for disputes related to settlement of missing add value transactions in accordance with the procedures set forth in Section 4.10.8.

4.10.2 Missing Transactions

~~CSB~~The Clipper® Contractor processes all transaction records for settlement at the end of each calendar day. While most transactions are settled on the day they occur there are instances that result in missing transactions:

- Transactions stored on mobile devices that do not connect to the Clipper® wireless network on the day transactions occur;
- Equipment failure or destruction of devices from external causes; or
- Any other situation resulting in transaction records not being received by the CCS, either temporarily or permanently.

4.10.3 Fare Payment Transactions and the Participant Claim Fund

The CCS creates transaction gaps for missing fare payment transactions. Fare payment transaction gaps then remain “at large” on the gap list for 21-days to allow sufficient time for most late transactions to appear. If missing transactions appear within the 21-day window, they will be a part of daily settlement on that date, and the associated transaction gaps will be closed automatically.

The only funds directly associated with fare payment transaction gaps will be ~~e-cash~~Cash Value funds initially accounted for in the Float Account. During the 21-day period that these gaps are on the gaps list, these funds would remain in the Float Account. If missing transactions appear within the 21-day window, they would be settled out of the Float Account as if they had appeared on the date the transaction occurred.

If a fare payment transaction gap is not closed by the appearance of missing transactions within the 21-day window, the transaction gap will be automatically “expired” by removal from the gaps list. Any ~~e-cash~~Cash Value associated with the gap will then be moved automatically from the Float Account to a special Clipper® account known as the Participant Claim Fund (“PCF”), as described in Section 4.10.4 below.

If missing transactions appear after the 21-day window has passed, they will not be included with daily settlement. The associated transaction gaps will have expired and the corresponding funds will be in the PCF. These funds will no longer be available for daily settlement, and the funds will be disbursed in accordance with Section 4.10.4.

Note that the fare payment transaction “gap” process is only applicable to ~~e-cash~~Cash Value fare payment transactions. There is no financial processing of monthly pass, stored ride or High Value Discount purse fare payment transactions, since these do not directly affect settlement.

4.10.4 Disbursement of the Participant Claim Fund

The PCF will hold all ~~e-cash~~Cash Value funds associated with fare payment transaction gaps that have been expired from the system. Allocation of PCF funds will be based on ~~e~~Operator-based claims and system-based claims. Operators may file claims on the PCF at any time. While valid ~~e~~Operator-based claims will be settled first, system-based claims are expected to be the primary method for fund disbursement.

- With the exception of disbursements for operator-based claims, no disbursement from the PCF shall be made until the PCF meets or exceeds \$20,000, and no system-based disbursements shall be made that would reduce the PCF below a minimum balance of

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~~\$10,000~~50,000.

- Disbursements from the PCF for system-based claims or for any remaining PCF value shall be made ~~monthly~~at least twice a year, when justified.

PCF disbursement is based on the following sequential process.

a. Settle all valid ~~e~~Operator-based claims against the PCF

Operator-based claims provide a means to recover value if either a complete loss of Clipper® data has occurred or an ~~e~~Operator experiences a significant single-day data discrepancy between transaction and audit register data. It is not anticipated that ~~e~~Operator-based claims will be filed frequently. See Section 4.10.5 for a detailed description of ~~e~~Operator-based claims.

b. Settle all system-based claims - balance discrepancies between audit register and transaction data

System-based claims will account for net discrepancies between the aggregate e-cash fare payment value recorded by device audit registers and the aggregate e-cash fare payment value settled through transaction data. CSB will calculate the net system-based claim to be credited or debited to each ~~e~~Operator, as appropriate, according to the following formula:

$(\$ \text{Value of Audit Register}) - (\$ \text{Value of Transaction Data}) = \text{Credit/Debit to } \del{Transit} \text{Operator}$

c. Disbursement of remaining PCF value

After funds have been distributed from the PCF in accordance with Steps 1 and 2 above, any remaining value will be split among the ~~e~~Operators based on the percentage of total ~~e-cash~~Cash Value business borne by each ~~e~~Operator for that period, in accordance with the revenue allocation policies set forth in the *Amended and Restated Clipper® Memorandum of Understanding*:

$$\text{Operator Disbursement} = \frac{\text{Value of Single Operator } \del{E-cash} \text{Cash Value Business}}{\text{Value of Total } \del{E-cash} \text{Cash Value Business}} \times \text{Remaining PCF Balance}$$

Calculation of the above distributions will occur sequentially and take into account the available funds in the PCF. Net PCF distribution will occur via one manual adjustment to each ~~e~~Operator's settlement position. The table in Section (a) below summarizes the PCF disbursement process.

a. PCF Settlement Process

	Parties	Funding	Determination Basis
1. Settlement of Operator-Based Claims	Appropriate transit operators	a) Full funding, if available. Otherwise: b) Pro-rata based on all valid claims filed.	All validated claims filed since the previous distribution.
2. Settlement of System-Based Claims	Appropriate transit operators	a) Full funding, if available. Otherwise: b) Pro-rata based on total end-of-quarter discrepancies.	Discrepancies between audit register and transaction data
3. Remaining PCF Value	All transit operators	Any remaining PCF fund balance in excess of \$10,000.	Distribution based on the split of e-cash <u>Cash Value</u> business among transit operators for the previous quarter.

~~Transit-e~~Operators may file a grievance in accordance with the procedures set forth in Section 4.10.8 for any adjustments they believe have been made or omitted in error.

4.10.5 Claims

As indicated in Section 2.7.2 of this document, MTC shall oversee all claim investigation and assessment, although an ~~e~~Operator may participate at its option. An ~~e~~Operator may also be requested to assist under certain circumstances.

No claims will be entertained if ~~transit-e~~Operators fail to comply with the above procedures in furnishing supporting documentation.

4.10.6 Operator-Based Claims Against the Participant Claim Fund

~~Transit-e~~Operators may only submit claims for reimbursement of transactions for:

- A total loss of both transaction and audit data records due to failure or damage of front-end devices;
- Other system failures resulting in such data loss (e.g., non-recoverable TDS failure); or
- A single business day discrepancy between transaction and audit records greater than 0.10% of the single business day overall totals received from all the devices of a transit operator (see below).

$$\text{Discrepancy level (in \%)} = \frac{\text{One-Day Total Transaction Value from all Audit Registers} - \text{One-Day Total Transaction Value from Transaction Records}}{\text{Total Transaction Value from All Audit Registers}} \times 100$$

4.10.6.1 Claims Processing

Claims will be processed as follows:

- Operator files a claim with MTC.
- MTC reviews the claim and then forwards it to CSB.
- CSB investigates claim. If necessary, CSB may request additional documentation or assistance from the operator.
- If the claim is substantiated, CSB settles funds.
- If the claim is not substantiated, CSB advises operator.

Claims against the PCF will only be paid for missing fare payment transaction data. Clipper® data will be the only form of substantiating fare payment data considered in validation of claim amounts.

4.10.7 Adjustments

Transactions impacting an ~~an transit-e~~Operator's financial position, and occurring outside the context of daily transaction processing and settlement, will be actioned by manual adjustments. Adjustments will be used to settle out-of-balance conditions and claims, correct for missing add value transactions, and rectify other miscellaneous financial discrepancies. Affected ~~transit-e~~Operators will be notified in advance of any adjustments.

4.10.8 Disputes

~~Transit~~ Operators may file grievances for missing add value and/or fare payment transactions if they are not satisfied with the settlement results. Grievances for missing transactions shall not be considered until the standard settlement processes outlined in Sections 4.10.1 and 4.10.5 have been completed. MTC and operators shall resolve all disputes in accordance with the Amended and Restated Clipper® Memorandum of Understanding.

4.10.9 Unfunded Liabilities Allocation

If the Clipper® Contractor is unable to recover an Unfunded Liability from the responsible cardholder after a reasonable period of time—which shall be no less than 111 days—using reasonable efforts to collect or dispute the Unfunded Liability, the Unfunded Liability will be allocated to and among the Operators. The calculation of the total amount of Unfunded Liabilities to be allocated among the Operators, and the calculation of the amount of Unfunded Liabilities to allocate to each Operator, shall be in accordance with this Section:

- The Clipper® Contractor is to calculate, for a specified time frame, the total dollar amount of Unfunded Liabilities that are (i) failures to collect from a funding source for a post-billed Autoload transaction, or (ii) chargebacks of a purchase made with either a credit card or a debit card.
- If a purchase that falls within either category (i) or (ii) above was of an Operator's product, the financial responsibility for that Unfunded Liability shall be solely allocated to that Operator.
- If a purchase that falls within either category (i) or (ii) above was of Cash Value, the financial liability for that Unfunded Liability shall be allocated among all Operators based on the aggregate dollar amount of cash fares paid to operators during the same specified time frame. The amount of financial liability for any chargeback of a Cash Value purchase shall be limited, however, to the amount of Cash Value spent prior to a block of a Clipper® card.
- The Clipper® Contractor will determine, for a specified time frame, all fare payment transactions that result in a negative Clipper® card balance. If a Clipper® card continues to have a negative Cash Value balance as of the end of the specified time frame, and there has been no activity on that card for at least the 110 days prior to the end of the specified time frame, the financial liability for that negative Cash Value balance shall be solely allocated to the Operator upon which occurred the fare payment transaction that produced the negative Clipper® card balance.
- Once an Unfunded Liabilities allocation has been calculated, the Clipper® Contractor will send a communication to each Operator showing the Clipper® Contractor's calculation of an Operator's allocated Unfunded Liabilities amount, with supporting documentation.
- No fewer than five business days after sending the above communication--to allow an Operator a reasonable amount of time to review the proposed allocation of Unfunded Liabilities-- the Clipper® Contractor will perform a manual financial adjustment to the daily settlement to recover the allocated Unfunded Liabilities from each Operator.
- Unfunded Liabilities shall, whenever possible, be recovered from the Operators concurrently with a PCF disbursement.
- An Operator shall be credited if any subsequent collection occurs of an Unfunded Liability which had been previously allocated solely to that Operator.

4.11 MARKETING

4.11.1 Card Design Features

All Clipper® cards, including limited use cards, shall include certain basic elements as described below and adhere to the design requirements defined in the *Clipper® Brand Standards Guide* ([https:// clippercard.com/ClipperWeb/brand-guidelines.html](https://clippercard.com/ClipperWeb/brand-guidelines.html)).

All physical Clipper® cards, with the exception of limited use cards, shall contain the following basic elements:

- a. A unique serial number;
- b. The Clipper® logo;
- c. A reference to the Clipper® Cardholder Agreement;
- d. The address of the Clipper® website(s); and
- e. The Clipper® Customer Service Center telephone number(s).

Other elements that may be included are as follows:

- f. Cardholder photo, cardholder name, and ~~for company name~~ Employer/School/Institutional Program name, logo and identification numbers for some personalized cards;
- g. The RTC Discount Card program ~~logo~~ information for some personalized cards;
- h. Advertisements, if either MTC or an ~~Operator~~ (applies to limited use cards only) has entered into business arrangements for advertising on the card;
- i. “Special Services” account numbers, if MTC enters into special business relationships with commercial entities that require the ability to place additional information on the card; and
- j. “Special graphics,” if MTC chooses to issue collector cards.

4.11.1.1 Limited Use ~~Tickets~~ Cards

Clipper® limited use ~~tickets~~ cards shall contain the following basic elements:

- a. ~~A unique serial number~~ The logo of the Operator(s) that accept(s) the limited use card; and
- b. The Clipper® logo.

4.11.2 Card Giveaway Promotions

To promote the availability of Clipper® and encourage use of the Clipper® card, MTC shall set aside up to 80,623 Clipper® cards for use as part of marketing promotions. The promotions may include waiving of the cardholder fees described in Section 4.6.1. The 80,623 cards shall be divided among the Operators as shown below with the expectation that each ~~agency~~ Operator will use its allotment of Clipper® cards to encourage use of Clipper® in its service area. The number of cards available for use as part of marketing promotions does not include cards distributed to patrons at no charge in accordance with Section 4.6.5.

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Agency	Number of Clipper® Cards Available for Marketing Promotions ²	
	Previous Allocation	Updated 2011 Allocation
AC Transit	25,250	0
BART	40,361	39,361
Caltrain	2,900	0
Golden Gate Transit	100	0
SamTrans	6,990	0
San Francisco MTA	49,500	0
VTA	19,429	18,859
Other Operators	9,632	9,632
Additional Cards for Future Needs	12,771	12,771
Total	176,933	80,623

Operators shall notify MTC about all planned promotions. MTC shall monitor the timing of any promotion approved under this section to ensure maintenance of a sufficient inventory of Clipper® cards.

² The TransLink® Phase II Operating Rules allowed for a total of 225,000 cards to be available for use as part of marketing promotions. Prior to June 1, 2011, Operators distributed cards as part of marketing promotions that reduced the total number of cards available to 80,623.

5. GLOSSARY OF TERMS

ACH

See Automated Clearinghouse.

ADD VALUE MACHINE

A distribution device that enables cardholders to both load value to a Clipper® card and check the balance of a Clipper® card.

ADJUSTMENT

The process of modifying the settlement amount for any given settlement period for a specific transit operator due to an out-of-balance condition or claim.

APPLICATION ISSUER

Any single entity or a joint entity of multiple parties that owns and distributes any specific application that may be resident solely or jointly with other applications, on a smart card or on a mobile device that integrates smart card functionality. ~~MTC is the Clipper® Application Issuer in the Region retains the right to issue cards with the Clipper® Application.~~

Commented [LM13]: Definition revised to be consistent with the definition of Application Issuer in Section 2.1.1.

AUTOLOAD

By registering for the Autoload Program, a cardholder enables an automatic reload of value to his/her card. Clipper® cards can automatically be loaded with the fare type of a cardholder's choosing whenever the ~~e-cash~~ Cash Value balance becomes low or a transit pass or stored ride book is due for renewal. The cardholder designates a bank account or credit card as the funding source.

AUTOMATED CLEARINGHOUSE

The process by which funds are moved between participants in the Clipper® Program (see Funds Movement).

AVM

See Add Value Machine.

BALANCE RESTORATION

This optional feature enables a cardholder with a registered card to obtain a replacement of any confirmed remaining value on his/her card if his/her card is lost, stolen, or damaged.

BLOCKED CARD

A card that is rendered inactive by the Clipper® Service Bureau. To block a card, the Clipper® Service Bureau will add the card to the Hotlist.

CARD

The card is the Clipper® smart card licensed to cardholders to pay transit fares on ~~select participating~~ transit systems and for other authorized purposes. The card is the property of MTC, ~~the or the authorized~~ Card Issuer. Each card is uniquely identified by a serial number-
~~printed on the back of the card~~. Clipper® cards are available in two formats: physical (also sometimes referred to as plastic) and mobile (also sometimes referred to as virtual).

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CARD DISTRIBUTION

The process of moving Clipper® cards from Issuers to card distributors and from card distributors to cardholders.

CARD DISTRIBUTOR

A transit operator or ~~third party~~ third party that ~~vends~~ issues Clipper® cards.

CARDHOLDER

A patron who has a registered or unregistered Clipper® card. ~~A card that has been registered to an individual or personalized is not transferable and can only be used by the person identified in the Clipper® fare payment system and/or on the card itself.~~

Commented [LM14]: Deleted because (1) not relevant to the definition of cardholder and (2) already addressed in Section 4.1.2.

CARD ISSUER

A Clipper® Card Issuer is any single entity or a joint entity of multiple parties that MTC has formally approved to issue smart cards containing the Clipper® Application or a functioning sub-set of this application that enables them to be accepted as a form of payment. The Card Issuer is responsible for the operation and maintenance of the Clipper® fare payment system in which the value stored on the Card can be used as payment for certain services and/or goods provided or supplied by the transit agencies participating in the Clipper® fare payment system.

Commented [LM15]: Definition revised to be consistent with the definition of Card Issuer in Section 2.1.3.

CARD INTERFACE DEVICE (CID)

The device that allows Clipper® cards to be read and encoded via the contactless interface that is used for fare payments.

CASH VALUE

An electronic record maintained on a Clipper® card (whether physical or mobile) that represents stored value that may be used as payment for transit at any Operator. This value is sometimes identified as e-cash in Clipper® back-end systems and device interfaces.

CCS

See Clipper® Central System.

CD

See Configuration Data.

CERTIFIED OPERATOR PERSONNEL

Those who have successfully completed the Clipper® Contractor training program delivered by the Clipper® Contractor and/or ~~e~~Operator trainers.

CID

See Card Interface Device.

CLAIM

A formal, written statement filed by an ~~e~~Operator with the Clipper® Contract Manager to dispute the accuracy of the settlement process (e.g., when an ~~e~~Operator believes that the amount due to the agency is greater than the Clipper® settlement process has determined).

CLIPPER® CENTRAL SYSTEM (CCS)

The back-end computer system that performs functions related to the management of third party

Clipper® Operating Rules

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distributors, card based management, network management, settlement, reporting, customer service, and asset management of the Clipper® System.

CLIPPER® CONTRACTOR

The party ~~selected as a result of the TransLink® (Clipper®) Request for Best and Final Offer (“BAFO”)~~ that has entered into the Contract with MTC to design, build, operate and maintain the Clipper® system (i.e., Cubic Transportation Systems, Inc.).

CLIPPER® SERVICE BUREAU (CSB)

The Clipper® Service Bureau is operated by the Clipper® Contractor, ~~an agent of the Card Issuer.~~ CSB’s responsibilities include, but are not limited to: providing information, fulfilling card requests, handling requests to add value to cards, processing orders for optional features, and managing reports of lost or stolen cards.

CONFIGURATION DATA (CD)

Data that is sent to a device to configure its functionality (e.g., system settings).

DAMAGED CARD

A card that, while in the possession of a cardholder, has been rendered physically inoperable due to causes outside of the Clipper® Contractor’s control.

DATA COLLECTION

The process of moving the data captured at the point-of-use to the Clipper® Central System.

DATA RECONCILIATION

The process of checking Clipper® records for accuracy.

DEFECTIVE CARDS

A physical card that fails to operate properly because of a manufacturing or design problem within one year of the card’s being first used by a patron.

DISTRIBUTION DEVICE

The general term for terminals and devices for both vending of Clipper® cards and the loading of Clipper® cards. Distribution devices include attended and unattended terminals.

DISTRIBUTOR

A general term that refers to any party that either vends Clipper® cards or provides value loads.

ELECTRONIC CASH (E-CASH)

~~An electronic record maintained on a Clipper® card that represents a cash value that may be used as payment for transit at any participating transit operator~~See Cash Value.

EMPLOYER PROGRAMS

A method of distributing cards and value to cardholder through a financial subsidy by employers for travel on one or more ~~o~~Operators’ fixed route services. A cardholder must register his/her card to participate in an employer program.

FIRST LINE MAINTENANCE

This level of maintenance includes:

- Routine equipment checks;

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- Resolution of minor operational problems such as dollar bill jams and card dispensing jams;
- External equipment cleaning;
- Internal component cleaning and lubrication (distribution devices only);
- Running diagnostics tests;
- Removal and replacement of depot maintenance devices and modules; and
- Labor for scheduled replacement of devices and modules.

FUNDS MOVEMENT

The transfer of funds between participants in the Clipper® program. Funds movement must be accomplished by a settlement bank designated for that purpose. This is a separate process from financial settlement.

FUNDS POOL

The central account into which Clipper® revenues are deposited. Payments to ~~transit~~ ~~e~~Operators for Clipper® services they provide are made from this account.

INSTITUTIONAL PROGRAMS

Institutional Programs include government agencies, schools/universities, or employers that provide funding for value on one or more cards by establishing an account with the Clipper® Service Bureau.

LOAD

The function of adding ~~e-cash~~ Cash Value, a period pass, or a number of stored rides to a Clipper® card.

METROPOLITAN TRANSPORTATION COMMISSION (MTC)

The transportation planning, financing and coordinating agency for the nine-county San Francisco Bay Area. Under SB 1474, MTC is charged with coordinating and consolidating transit services in the Bay Area; Clipper® is one aspect of MTC's regional transit coordination program.

MOBILE CARD

A mobile card (sometimes referred to as a virtual card) is a format of Clipper® card that is available for purchase through the Clipper® mobile app. Cardholders may, at their option, use the Clipper® mobile app to convert their physical Clipper® cards to mobile cards.

OPERATOR

Transit agency participating in Clipper®.

PERSONALIZED CARD

A physical card with distinguishing ~~physical~~ features, such as a printed name ~~and~~ or photograph of the cardholder. A personalized card may be registered or unregistered.

PERSONALLY IDENTIFIABLE INFORMATION

Personally identifiable information ("PII") is any information that is collected or maintained by ~~a transit~~ MTC or an eOperator that identifies or describes a person or can be directly linked to a specific individual, including that individual's account. Examples of PII include but are not

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limited to a person's name, mailing address, business name, alternate contact information (if given), email address, Clipper® card serial number, telephone or fax number, signature, date of birth, bank account information, credit card number, security code and expiration date, Clipper® account number (if applicable), photograph and travel pattern data (i.e. a registered user's travel routes and times traveled).

Commented [LM16]: Revised to be consistent with the Clipper Privacy Policy.

REGISTERED CARD

A card where the Issuer knows the identity of the cardholder, but the card does not necessarily have physically distinguishing characteristics.

SETTLEMENT

The process of determining the allocation of funds between among participants in the Clipper® program.

STORED RIDE

An electronic record maintained on a Clipper® card that permits one ride on a specific transit operator. Multiple active stored rides may be present on a single Clipper® card for different transit operators.

THIRD PARTY DISTRIBUTOR

Any party other than an transit operator and the Clipper® Contractor that acts as a Clipper® distributor.

TICKET OFFICE TERMINAL (TOT)

A device located on the premises of an participating operator or authorized third party where a person may acquire a Clipper® card, load value to a card, register a card, and customize the language and audio features.

UD

See usage data.

UNREGISTERED CARD

Cards where the identity of the cardholder is not known to the Card Issuer.

USAGE DATA (UD)

Generic term for data generated within the system, which includes data captured by the devices in the Clipper® system when patrons use a Clipper® card.

6. ATTACHMENT 1

6.1.1 Special Conditions Regarding Personally Identifiable Information:

Operator will have access to personally identifiable information (“PII”) in connection with the performance of its Clipper® Program responsibilities and activities. PII is any information that is collected or maintained by MTC or an Operator that identifies or describes a person or can be directly linked to a specific individual, including that individual’s account. Examples of PII include but are not limited to name, mailing address, business name, alternate contact information (if given), email address, Clipper® card serial number, telephone or fax number, signature, date of birth, bank account information, credit card number, security code and expiration date, Clipper® card serial account number (if applicable), or photograph and travel pattern data (i.e., a registered user’s travel routes and times travelled). The following special conditions relate to the confidentiality and use of Clipper®-related PII by Operator:

Commented [LM17]: Revised to be consistent with the definition of PII in Section 5, Glossary of Terms.

1. Right to Audit

Upon advance written notice given by MTC to Operator, Operator shall permit MTC and its authorized representatives to audit and inspect: (i) Operator’s facilities where PII is stored or maintained; (ii) any computerized systems used to share, disseminate or otherwise exchange PII, including third party hosting or service provider systems; and (iii) Operator’s security practices and procedures, data protection, business continuity and recovery facilities, resources, plans and procedures. The audit and inspection rights hereunder shall be for the purpose of verifying Operator’s compliance with these Operating Rules, this Attachment 1, and all applicable laws.

2. General Confidentiality of Protecting PII

All PII made available to or independently obtained by an ~~Operator~~ Operator in connection with the Clipper® Program shall be protected by Operator from unauthorized use and disclosure through the observance of reasonable security procedures and practices ~~the same or more effective procedural requirements as are applicable to MTC in its privacy policy (Executive Director’s Management Memorandum No. 323).~~ This includes, but is not limited to, the secure transport, transmission and storage of ~~data~~ PII used or acquired in the performance of Operator’s responsibilities and activities for the Clipper® Program.

Operator agrees to properly secure ~~and maintain at all times~~ any computer systems (hardware and software applications), third party hosting or cloud services, or electronic media that it will use in the performance of its Clipper® Program responsibilities and activities, and shall ensure that any third party hosting or service providers with access to PII adhere to the terms of this Attachment 1. This includes ensuring all security patches, upgrades, and anti-virus updates are applied as Operator deems appropriate to secure PII that may be used, transmitted, or stored on such systems in the performance of Operator’s Clipper® Program responsibilities and activities.

Operator is prohibited from storing PII on portable media including, but not limited to, laptops, thumb drives, disks and so forth, unless storing PII on portable media is an operational necessity and the PII is encrypted.

Operator agrees to retain only the PII of a Clipper® customer that is necessary to perform customer account management functions including, but not limited to refunds, billing, and settlement. All other PII that may be collected and maintained shall be discarded for no longer more than four years and six months after the customer's account is closed or terminated from the date of the collection. Operator shall purge all account information, including PII, no later than four years and six months after an account is closed or terminated and all outstanding amounts due are paid. At the conclusion of this retention period, Operator agrees to use ~~Department of Defense ("DoD") approved software to wipe any disks containing PII. Hard drives and computers shall be reformatted and reimaged in an equivalently secure fashion~~ purge methods described in National Institute of Standards and Technology (NIST) Special Publication 800-88, as may be revised or superseded ("NIST Publication") to remove PII from any files. Discarded PII will be unavailable and unrecoverable following the purge on any storage media including, but not limited to, magnetic disk, optical disk, memory chips, cloud storage, or other computing system ("Storage Media"). Operator agrees to destroy hard-copy documents containing PII by means of a cross-cut shredding machine. Operator also agrees to use purge or destroy methods, as described in NIST Publication, to sanitize any Storage Media prior to disposal (including selling, discarding, donating, transferring, and abandoning).

43. Compliance with Statutes and Regulations

Operator agrees to comply with the information handling and confidentiality requirements outlined in the California Information Practices Act (Civil Code sections 1798 *et seq.*) and in California Streets and Highways Code Section 31490. In addition, Operator warrants and certifies that in the performance of its responsibilities and activities for the Clipper® Program, it will comply with all applicable statutes, rules, regulations and orders of the United States, the State of California, and MTC relating to the handling and confidentiality of PII, including the terms and conditions contained in this Attachment 1, Special Conditions Regarding Personally Identifiable Information, and agrees to indemnify, hold harmless, and defend MTC against any loss, cost, damage or liability by reason of Operator's violation of this provision.

4. Consultants/Contractors

MTC approval in writing is required prior to any disclosure by Operator of PII to a consultant/contractor or prior to any work to be done by consultant/contractor that entails receipt of PII. Once approved, Operator agrees to require such consultant/contractor to sign an agreement in substantially identical terms as this attachment, binding the consultant/contractor to comply with its provisions.

5. Operator Guarantees

Operator shall not, except as authorized or required by its duties by law, reveal or divulge to any person or entity any PII which becomes known to it in connection with the Clipper® Program.

Operator shall keep all PII entrusted to it completely secret and shall not use or attempt to use any such information in any manner inconsistent with or not contemplated by these Operating Rules.

Operator shall ensure that all PII that is stored, processed, or transmitted is encrypted, using at least then-current best industry practices (or encryption methods mandated by law, whichever provides higher levels of protection).

Operator shall comply, and shall cause its employees, representatives, agents and contractors/consultants to comply, with such directions as MTC may make to ensure the safeguarding or confidentiality of ~~all its resources~~ PII.

If requested by MTC, Operator shall sign an information security and confidentiality agreement provided by MTC and attest that its employees, representatives, agents, and contractors involved in the performance of its responsibilities and activities in connection with the Clipper® Program shall be bound by terms of a confidentiality agreement with Operator substantially the same in its terms.

6. Notice of Security Breach

Operator shall immediately notify MTC when it discovers that there may have been a breach in security which has or may have resulted in ~~compromise~~ unauthorized access to PII. For purposes of this section, immediately is defined as within two hours of discovery. The MTC contacts ~~is~~ are for such notification ~~is~~ are as follows:

Privacy Officer

privacyofficer@mte.ca.gov

~~(510) 817-5700~~ (415) 778-6700

and

Chief Security Information Officer

pkant@bayareametro.gov

(415) 778-5295



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1591 **Version:** 1 **Name:**
Type: Report **Status:** Committee Approval
File created: 10/23/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: 2021 Clipper® Executive Board Calendar

Request Board approval of 2021 Clipper Executive Board Calendar.

Sponsors:

Indexes:

Code sections:

Attachments: [3b_Clipper Exec Board 2021 Calendar.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

2021 Clipper® Executive Board Calendar

Request Board approval of 2021 Clipper Executive Board Calendar.

Presenter:

Edward Meng

Recommended Action:

Board Approval

Attachments:

Clipper[®] Executive Board

November 16, 2020

Agenda Item 3b

2021 Clipper[®] Executive Board Calendar

Subject: Request Board approval of 2021 Clipper Executive Board Calendar.


Background: Per the Clipper Executive Board Procedures Manual adopted by the Board in February 2016, the Board adopts a regular board meeting calendar annually. The proposed 2021 Clipper Executive Board Calendar is shown in Attachment A. Please note that the calendar does not contain information on the physical location of the Board meetings, as they will continue to be held by webcast indefinitely depending on the status of shelter in place orders.

Staff recommends that the Board continue to meet on the 3rd Monday of each calendar month from 1:30 to 3:00 pm, except when that day falls on a holiday (in January and February 2021) or conflicts with a currently scheduled APTA, CTA, or COMTO meeting (March 2021).

- In January 2021, staff proposes holding the meeting on the 4th Monday, but at an earlier time than usual, given that the Blue Ribbon Task Force meets at the normally scheduled Clipper Executive Board meeting time.
- In February 2021, staff proposes holding the meeting on the 3rd Tuesday, given that the Fare Integration Task Force also meets in February, and there is a risk of overscheduling the Board Members on the 4th Monday with a Fare Integration Task Force meeting, a Clipper Executive Board meeting, and a Blue Ribbon Task Force meeting.
- In March 2021, staff proposes holding the meeting on the 4th Monday, but at an earlier time than usual, given that the Blue Ribbon Task Force meets at the normally scheduled Clipper Executive Board meeting time, so as not to conflict with APTA's TRANSform Conference scheduled March 14-17, 2021 in Anaheim, CA.

Recommendations: Staff recommends that the Board adopt the Proposed Clipper Executive Board 2021 Calendar as shown in Attachment A.

Attachments: **Attachment A:** Proposed 2021 Clipper[®] Executive Board Calendar


Carol Kuester



Proposed 2021 Clipper Executive Board Calendar

Red highlighted dates Clipper Executive Board Meetings

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25*	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16**	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22*	23	24	25	26	27
28	29	30	31			

APRIL

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JULY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

OCTOBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

S	M	T	W	T	F	S
			1	2		4
5	6	7	8	9		11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Regularly scheduled: 3rd Monday, 1:30 pm – 3:00

* 4th Monday, 10:30 am – noon, precedes Blue Ribbon Task Force

** 3rd Tuesday, 1:30 pm – 3:00, preceded by Fare Integration Task Force



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1592 **Version:** 1 **Name:**
Type: Report **Status:** Committee Approval
File created: 10/23/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: Next-Generation Clipper (C2) System Integrator Contract Change Order - Bay Area Rapid Transit (BART) and San Francisco Municipal Transportation Agency (SFMTA) Tri Reader 4 (TR4) Card Validator Integration with Exercise of Open Payments Option: Cubic Transportation Systems, Inc. (Cubic) (\$13,600,000)

Request for approval of a Change Order to implement the TR4, Cubic's next-generation card validator, on BART and SFMTA equipment and exercise the Open Payments Option.

Sponsors:

Indexes:

Code sections:

Attachments: [3c_Change Order_Cubic Transportation Systems_TR4 Imp.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

Next-Generation Clipper (C2) System Integrator Contract Change Order - Bay Area Rapid Transit (BART) and San Francisco Municipal Transportation Agency (SFMTA) Tri Reader 4 (TR4) Card Validator Integration with Exercise of Open Payments Option: Cubic Transportation Systems, Inc. (Cubic) (\$13,600,000)

Request for approval of a Change Order to implement the TR4, Cubic's next-generation card validator, on BART and SFMTA equipment and exercise the Open Payments Option.

Presenter:

Kelley Jackson

Recommended Action:

Board Approval

Attachments:

Clipper Executive Board

November 16, 2020

Agenda Item 3c

Next-Generation Clipper (C2) System Integrator Contract Change Order – Bay Area Rapid Transit (BART) and San Francisco Municipal Transportation Agency (SFMTA) Tri Reader 4 (TR4) Card Validator Integration with Exercise of Open Payments Option: Cubic Transportation Systems, Inc. (Cubic) (\$13,600,000)

Subject: Request for approval of a Change Order to implement the TR4, Cubic's next-generation card validator, on BART and SFMTA equipment and exercise the Open Payments Option.

Background: The Contract requires Cubic to leverage BART's legacy Tri Reader 3 (TR3) card validator and network architecture to integrate BART with the C2 system. However, during discussions about account-based network design, BART communicated concerns about allowing Clipper's cloud-based architecture to operate on a combined network supporting multiple BART functions. After analyzing several strategies for mitigating security risks to both BART and Cubic without compromising performance requirements, BART communicated its intention to fund and implement a separate network on which C2 could operate independently. However, this solution requires Cubic to integrate TR4 validators to operate on BART's new network. To gain cost reductions by eliminating the TR3 validator tasks and implementing consistent architecture across the C2 system, MTC (with direction from the Change Control Board) requested that Cubic's Impact Assessment include the implementation of TR4 validators on SFMTA faregates as well as on BART's equipment.

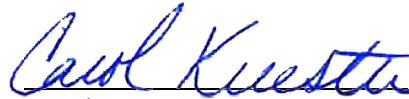
Since TR4 validators are an open payments requirement that, under the Contract, was contemplated to be implemented only if the Open Payments Option were exercised after System Completion, Cubic also calculated the effects of TR4 implementation on the cost of exercising the Open Payments Option early (at Change Order execution) or as originally contracted (after System Completion). See Attachment A for a comparison of the capital costs associated with the Open Payments Option as originally priced under the Contract and the revised Open Payments Option if exercised early with the TR4 implementation or after System Completion as originally contracted.

Cubic's Impact Assessment identifies a cost savings if the Clipper Program were to exercise this Option as part of the proposed TR4 Card Validator Integration Change Order rather than after System Completion. Exercising the Open Payments option now would reduce the risk and complexity of reengineering the Clipper system to accept open payments in the future. Cubic has stated that open payments functionality could be implemented as early as 2022 without delaying Critical Milestones associated with the delivery of the next-generation Clipper system. MTC will work with operators to discuss and formalize policies to support the region's future acceptance of open payments.

Issues: Staff is working with MTC's Funding Programs and Policy section to identify funding to pay for this work as neither the implementation of TR4 validators nor exercise of the Open Payments Option were authorized in the approval of the C2 System Integrator Contract. If no new funding is identified, the work could be funded from the previously approved Contract contingency.

Recommendation: Staff recommends the Board's approval of one or more Contract Change Order or Change Order Amendments with Cubic in an amount not to exceed \$13,600,000 for the work described above.

Attachments: Attachment A: PowerPoint



Carol Kuester

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Change Order

Work Item No.:	310-2780
Consultant:	Cubic Transportation Systems, Inc. San Diego, CA
Work Project Title:	BART and SFMTA Tri Reader 4 (TR4) Card Validator Integration
Purpose of Project:	Install new Clipper TR4 card validators on BART and SFMTA devices to facilitate a secure integration with the next-generation Clipper account-based system and exercise the Contract's Open Payments Option at Change Order execution
Brief Scope of Work:	Implement the next-generation Clipper TR4 validator at BART devices and SFMTA faregates to support the region-wide implementation of open payments for all participating Operators
Project Cost Not to Exceed:	\$13,600,000 (including \$2.6M in Operating costs)
Funding Source:	FTA, FHWA, OBAG2, STP, CMAQ, STA, STP Exchange, TCP, Regional Measure 2 Capital and Regional Measure 2 Operating, CARES Act funds, Regional Measure 3, SB1 State of Good Repair
Fiscal Impact:	Funding conditional upon future FTA/FHWA funds through 2022, subject to federal appropriation and future Commission action, including Commission approval of the Transit Capital Priorities program for FY2020-21 and FY2021-22 or Commission approval of like amount from alternate sources.
Motion by Committee:	That a contract change order with Cubic Transportation Systems, Inc. for the purpose described herein and in the Executive Director's summary sheet dated November 16, 2020, is hereby approved by the Clipper Executive Board.
Clipper Executive Board:	<hr/> Rick Ramacier, Chair
Approved:	November 16, 2020



BART and SFMTA Tri Reader 4 (TR4) Card Validator Integration with Exercise of Open Payments Option Clipper Executive Board

November 16, 2020

Next-Generation Clipper Solution for BART

- C2 System Integrator (C2 SI) Contract currently requires Cubic to leverage BART's legacy card validator and network for C2 integration
 - BART had security concerns
- MTC, Cubic & BART negotiated alternative design
- Staff identified two-prong solution that requires upgrade to the Tri Reader 4 (TR4), Cubic's next-generation card validator
 - BART responsible for funding and delivering separate network for fare collection functions before March 2022
 - Change Order required for Cubic to implement TR4 validators for BART devices

Positive Implications of BART Solution

- Creates incentive to also implement TR4 validators on SFMTA faregates
 - Results in consistent architecture across the C2 system, simplifying operations and maintenance by eliminating legacy readers
- Reduces cost of exercising C2 SI Contract's Open Payments Option
 - TR4 validator on BART and SFMTA is a requirement for region-wide open payments
 - Significant amount of equipment and software development work will be completed as part of BART and SFMTA integration

TR4 and Open Payments Implementation Pricing

	<u>Status Quo</u> Current Contract (Open Payment Option @ System Completion)	<u>Recommended Solution</u> TR4 Integration (Open Payment Option @ Change Order Execution)	<u>Alternative Approach</u> TR4 Integration (Open Payment Option @ System Completion)
BART/SFMTA TR4 Procurement (est.)	\$4M	\$4M	\$4M
BART/SFMTA TR4 Integration	N/A	\$4.4M	\$4.4M
Taxes and Contingency (est.)	\$0.8M	\$0.8M	\$0.8M
<u>Open Payment Capital Implementation</u>	<u>\$7M</u>	<u>\$1.8M</u>	<u>\$3.6M</u>
Total Cost (Capital)	\$11.8M	\$11M	\$12.8M
BART/SFMTA TR4 O&M (Total for contract term)	N/A	\$1.8M	\$1.8M
<u>Open Payment O&M</u> (Total for contract term, excluding credit card fees)	<u>\$1.5M</u>	<u>\$0.8M</u>	<u>\$0.9M</u>
Total Cost for Contract Term (Operating)	\$1.5M	\$2.6M	\$2.7M
Total Cost (Capital + Operating)	\$13.3M	\$13.6M	\$15.5M
Year of Open Payment Acceptance (est.)	2024	2022	2024



Recommended Open Payments Strategy

- Reduces cost and complexity of adding open payments functionality
 - Capital cost of integration work reduced from \$7M to \$1.8M if open payments option exercised now
- Leverages Cubic program management resources and reduces risk
 - Should not affect current Critical Milestone dates
- Open payments functionality available as early as 2022
 - Allows time for operators to develop policies and operating rules to support open payments



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1593 **Version:** 1 **Name:**
Type: Report **Status:** Informational
File created: 10/23/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: Current Clipper® System

Update on the current Clipper® System. Clipper staff last updated this Board on the ongoing work and projects related to the current Clipper system at the October 2020 meeting.

Sponsors:

Indexes:

Code sections:

Attachments: [4a_C1 Program Update.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

Current Clipper® System

Update on the current Clipper® System. Clipper staff last updated this Board on the ongoing work and projects related to the current Clipper system at the October 2020 meeting.

Presenter:

Jason Weinstein

Recommended Action:

Information

Attachments:

Clipper[®] Executive Board

November 16, 2020

Agenda Item 4a

Current Clipper[®] System

Subject: Update on the current Clipper system. Clipper staff last updated this Board on the ongoing work and projects related to the current Clipper system at the October 2020 meeting.

Background: **Transactions and Sales**
In October 2020, Clipper processed 3.59 million transactions and settled \$7.5 million in revenue. As of November 2, 2020, 6 of the 22 operators were still offering fare-free travel due to the COVID-19 emergency.

Clipper Customer Education

Clipper staff met with marketing staff from the next group of Clipper START participants and was provided with lists of community-based organizations with whom they work. Clipper staff will combine these with the existing list of community-based organizations and contact them for the launch.

Remaining efforts have focused on planning for the launch of the mobile app.

Implementation and Enhancement Projects

MTC continues to coordinate with transit operators on Clipper equipment installation for several implementations, including:

- Clipper Means Based Expansion (CN-169) – The cost proposal from Cubic was received on October 27. MTC has issued Notice to Proceed with development work already under way. Launch of the program expansion will occur in two groups planned for November 2020 and January 2021.

Clipper equipment continues to meet contractual performance requirements.

Attachments: **Attachment A:** Clipper Master Schedule


Carol Kuester

ID	Task Name	Duration	Start	Finish	% Complete	2020												2021											
						F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
2	CONTRACTING PHASE																												
832	Change Notice 169--Clipper Means Based Expansion	138 days	Wed 7/8/20	Fri 1/15/21	52%																								
393	IMPLEMENTATION PHASE																												
310	SFMTA Central Subway (CO-195)	1297 days	Mon 5/2/16	Fri 4/16/21	26%																								
493	AC Transit BRT Implementation, (CO-197 & CO-205)	373 days	Wed 7/17/19	Fri 12/18/20	94%																								
792	Caltrain TVM Clipper Integration (CO-226)	392 days	Thu 8/1/19	Fri 1/29/21	60%																								
840	Change Notice 169--Clipper Means Based Expansion	196 days	Thu 7/2/20	Thu 4/1/21	39%																								
1	BUS REPLACEMENT AND EXPANSION																												
796	SolTrans (4 MCI Coaches)	5 days	Mon 11/9/20	Fri 11/13/20	0%																								
827	Sonoma County (2 BYD Coaches)	2 days	Mon 11/23/20	Tue 11/24/20	0%																								
821	SFMTA (3 Historic Street Cars)	20 days	Fri 11/27/20	Thu 12/24/20	0%																								
798	AC Transit (36 MCI Buses)	20 days	Mon 11/30/20	Fri 12/25/20	0%																								
843	Marin Transit (13 El Dorado)	13 days	Mon 12/7/20	Wed 12/23/20	0%																								
819	AC Transit (1 Gilig)	1 day	Mon 1/4/21	Mon 1/4/21	0%																								
825	SFMTA (9 Electric Coaches)	45 days	Mon 1/18/21	Fri 3/19/21	0%																								



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 20-1594 **Version:** 1 **Name:**
Type: Report **Status:** Informational
File created: 10/23/2020 **In control:** Clipper Executive Board
On agenda: 11/16/2020 **Final action:**
Title: Next Generation Clipper® System Update

Update on key developments related to the implementation of the Next Generation Clipper System Integrator project.

Sponsors:

Indexes:

Code sections:

Attachments: [4b_C2 Program Update.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

Next Generation Clipper® System Update

Update on key developments related to the implementation of the Next Generation Clipper System Integrator project.

Presenter:

Jason Weinstein

Recommended Action:

Information

Attachments:

Clipper® Executive Board

November 16, 2020

Agenda Item 4b

Next-Generation Clipper® System Update

Subject: Update on key developments related to the implementation of the Next-Generation Clipper System Integrator project.

Background: 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 Transportation Services, and the transit operators; and noteworthy items that the project team is managing.

Highlights include:

- MTC has approved the account-based planning documents and MTC and transit operator staff are currently reviewing initial Conceptual Design Review documents for the account-based system.
- The account-based design will incorporate a series of design workshops, three of which have already begun, indicated below:
 - Customer Website
 - Business and Fare Rules
 - Maintenance Web Portal
- With regard to the mobile app:
 - Technical development is on-going.
 - Mobile app testers should be on vehicles and in stations this month. Transit operator staff have been notified with a specific request to notify their operations divisions. Testers have been provided with a letter explaining what they are doing with regard to testing should they be asked by Transit Operator staff.
 - We are finalizing some user experience/user interface elements to comply with required guidelines.
 - We are planning for the launch and subsequent marketing.

Cubic's schedule submission for October 2020 still showed some schedule slippage as it did in September. Staff is meeting with Cubic to discuss these concerns and is confident that Cubic will mitigate this delay. The program is currently within expected budget.

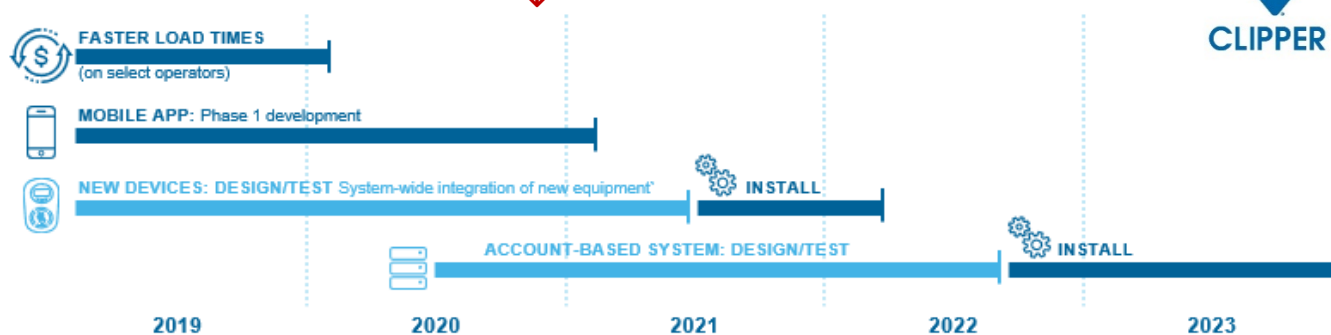
Attachments: **Attachment A:** Next Generation Clipper Program Executive Summary Status Report


Carol Kuester



Next-Generation Clipper Program

Executive Summary Status Report – November 16, 2020



Summary

- Account-based project plans (Contract Submittal Package 3) approved.
- Review of Conceptual Design Documents (Contract Submittal Package 4) underway.
- Account-based design workshops ongoing.
- Mobile App testing continues: initial System Integration Test (SIT) witnessing complete, field testing underway.

Recently Completed Activities

	MTC/IBI	Cubic	Operators	Date
• Mobile App:				
o SIT procedures resubmission by Cubic		•		Oct 20
o SIT procedures approval by MTC	•			Nov
o Pilot Test plan resubmission by Cubic		•		Nov
o SIT witnessing by MTC and Operators	•	•	•	Nov
• New Devices:				
o C2 System Refresh Plan approval by MTC	•			Nov
• Account-Based System design documentation:				
o Project plans resubmission by Cubic		•		Oct 23
o Conceptual Design submission by Cubic		•		Oct/Nov
o Project plans approval by MTC	•			Nov
• Account-Based System design workshops:				
o Customer Website	•	•	•	Oct 19, 26; Nov 2, 9, 16
o Fare Rules	•	•	•	Nov 4, 12

Upcoming Activities/Deliverables

	MTC/IBI	Cubic	Operators	Date
• Mobile App:				
o SIT Results submission by Cubic		•		Nov
o Pilot Test plan approval by MTC	•			Nov/Dec
o Pilot Test begins	•	•	•	Nov/Dec
• Account-Based Conceptual Design Documents:				
o Comment submission by MTC/Operators	•		•	Nov
o Comment response submission by Cubic		•		Dec
• Account-Based System design workshops:				
o Customer Website	•	•	•	Nov 30; Dec 7, 14
o Fare Rules	•	•	•	Nov 18; Dec 2, 9, 16
• Clipper Executive Board Meeting	•		•	Dec 14