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**1. Introduction**

**1.1 Purpose**

The purpose of this software is to help modernize and expedite travel for the everyday commuter through the use of a new automated toll paying system.

**1.2 Scope**

The purpose for this automated tool system is to not only make commuting faster but also to protect toll workers from possible reckless drivers as well.  This system will work with the use of a FasTrak tag inside of a vehicle and the tag will be scanned at toll gates. We will have a database that stores user information associated with their FasTrak tags and when the tag is scanned it will charge the appropriate account accordingly.  Overall, we hope that the use of FasTrak will make the commuting experience faster and more hands free.

**1.3 Definitions and Acronyms**

FasTrak is an ETC, an electronic toll collector. ETC is a new form of toll collection that is helping expedite backed up commute traffic.

**1.4 References**

???

**1.5 Overview**

As they say, “Time is Money”. Waiting in long commutes can be draining especially when you have to be somewhere. The use of an ETC like FasTrak helps to alleviate the stress of traffic and move commuters a little faster as they get where they need to go. Overall, an automated process will make toll collecting much faster and can help prevent possible accidents or robberies at toll booths.

**2. Overall Description**

**2.1 Product Perspective**

This product is available for all to use. The FasTrak tag can be purchase on the FasTrak website at: <https://www.bayareafastrak.org/en/home/index.shtml>. Users can create their accounts and register their vehicles to be tracked with the tags.

**2.2 Product Functions**

FasTrak is usable on all eight toll bridges in the bay area as well as any express lane open. Users can:

- Add multiple vehicles to their account

- View toll and express lane transactions

- Edit forms of payment

- Earn discounts on tolls using carpool or energy efficient vehicles

**2.3 User Characteristics**

User should have access to the internet to view transaction statements and needs to have the FasTrak activated in order to avoid toll violations.

**3. System Features**

**3.1 User Requirements**