Taxi Fleet
Web Services

Version 6.3
March 2025

Description of WEB APIs

Version control

Date	Version	Notes
January 2020	3.0	Support of Congestion Fee
March 2021	4.0	Support of Airport Fee
August 2023	5.0	Support of new Methods Get_Manual_Payments Get_Payments Get_Trans_By_Payment_Id Updates to methods to retrieve CR TRAN to support Bonus and Incentives
January 2024	5.1	Added clarifying notes
April 2024	6.0	Support for Congestion Relief Zone Toll (CBDT) New methods available • Get_Trans_By_Date_Cab12 • GET_TRIPS_LOG10
April 2024	6.1	The following methods are no longer updated • Get_Trans_UnReconcile11 • Get_TransUnReconcile_Cab11 A new combined method is available to support CBDT • **Get_Trans_UnReconcile**
June 2024	6.2	Added section documenting **Get_TripTotals_UnReconcile3**
March 2025	6.3	New **UpdateVehicle** method is available

API URLs

The API URLs are:

TESTING
https://demo.taxitronic.org/vts_service/taxi_service.asmx

PRODUCTION
https://api.taxitronic.org/vts_service/taxi_service.asmx

Table of Contents

How to retrieve TRIP data

Method: GET_TRIPS_LOG10

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/GET_TRIPS_LOG10"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GET_TRIPS_LOG10 xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <DRIVERID>string</DRIVERID>
      <CABNUMBER>string</CABNUMBER>
      <DATE_FROM>string</DATE_FROM>
      <DATE_TO>string</DATE_TO>
      <RECON_STAT>int</RECON_STAT>
    </GET_TRIPS_LOG10>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- CABNUMBER and DRIVERID are self-explanatory.
- Submit a blank CABNUMBER or blank DRIVERID in order to retrieve all cabs and/or all drivers.
- RECON_STAT will allow you to control which records are to be retrieved as follows:
  - If RECON_STAT < 0, all records will be included into response.
  - If RECON_STAT = 0, only records which never been marked as reconciled will be included into response.
  - if RECON_STAT > 0, only record reconciled with that specific value will be included in the response. See **Reconciliation_TRIP_LOG** method for more details.

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GET_TRIPS_LOG10Response xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <GET_TRIPS_LOG10Result>string</GET_TRIPS_LOG10Result>
    </GET_TRIPS_LOG10Response>
  </soap:Body>
</soap:Envelope>
```

This is a sample response:

```
<?xml version="1.0" encoding="UTF-8"?>
<GET_TRIPS_LOG10Response xmlns="https://www.taxitronic.org/VTS_SERVICE/">
   <GET_TRIPS_LOG10Result>
      <TRIPS>
         <RECORD ID="175340" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="30"
START_DATE="07/01/2019 08:00:26" END_DATE="07/01/2019 08:23:47" TRIP="16.1500" TIPS="0.0000"
EXTRAS="0.0000" TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="16.1500" T="$" CCNUMBER=""
GPS_START_LA="0.000000" GPS_START_LO="0.000000" GPS_END_LA="0.000000" GPS_END_LO="0.000000" FROM_ADDRESS=""
TO_ADDRESS="" AUTHCODE="" AUTHAMT="16.1500" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="1"
DIST_SERVCE="2.53" DIST_BS="0.00" RESNUM="0" CONGFEE="0.0000" airportFee="1.50" />
         <RECORD ID="180073" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="31"
START_DATE="07/01/2019 08:31:37" END_DATE="07/01/2019 08:41:03" TRIP="8.4500" TIPS="0.0000" EXTRAS="0.0000"
TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="8.4500" T="$" CCNUMBER="" GPS_START_LA="0.000000"
GPS_START_LO="0.000000" GPS_END_LA="0.000000" GPS_END_LO="0.000000" FROM_ADDRESS="" TO_ADDRESS=""
AUTHCODE="" AUTHAMT="8.4500" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="1" DIST_SERVCE="0.75"
DIST_BS="0.00" RESNUM="0" CONGFEE="0.0000" airportFee="1.50" cbdt="1.25" />
         <RECORD ID="200539" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="32"
START_DATE="07/01/2019 09:40:22" END_DATE="07/01/2019 10:02:05" TRIP="18.3500" TIPS="1.8500"
EXTRAS="0.0000" TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="20.2000" T="P"
CCNUMBER="1941023349162133" GPS_START_LA="0.000000" GPS_START_LO="0.000000" GPS_END_LA="37.723795"
GPS_END_LO="-122.427578" FROM_ADDRESS="" TO_ADDRESS="279 Vienna St San Francisco California 94112"
AUTHCODE="001426" AUTHAMT="20.2000" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="1" DIST_SERVCE="3.56"
DIST_BS="0.00" RESNUM="17934" CONGFEE="0.0000" airportFee="1.50" cbdt="1.25" />
         <RECORD ID="212615" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="33"
START_DATE="07/01/2019 10:15:13" END_DATE="07/01/2019 10:58:13" TRIP="32.1000" TIPS="0.0000"
EXTRAS="0.0000" TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="32.1000" T="$" CCNUMBER=""
GPS_START_LA="37.710350" GPS_START_LO="-122.444275" GPS_END_LA="37.784182" GPS_END_LO="-122.418545"
FROM_ADDRESS="540 Brunswick St San Francisco California 94112" TO_ADDRESS="750 Ellis St San Francisco
California 94109" AUTHCODE="" AUTHAMT="32.1000" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="1"
DIST_SERVCE="6.27" DIST_BS="0.00" RESNUM="17926" CONGFEE="0.0000" airportFee="1.50" cbdt="1.25" />
         <RECORD ID="226564" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="34"
START_DATE="07/01/2019 11:00:32" END_DATE="07/01/2019 12:05:31" TRIP="35.4000" TIPS="0.0000"
EXTRAS="0.0000" TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="35.4000" T="$" CCNUMBER=""
GPS_START_LA="37.779890" GPS_START_LO="-122.418530" GPS_END_LA="0.000000" GPS_END_LO="0.000000"
FROM_ADDRESS="79 Dr Carlton B Goodlett Pl San Francisco California 94102" TO_ADDRESS="" AUTHCODE=""
AUTHAMT="35.4000" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="3" DIST_SERVCE="8.31" DIST_BS="0.00"
RESNUM="17970" CONGFEE="0.0000" airportFee="0.00" cbdt="1.25" />
         <RECORD ID="235820" PERIOD="201903" CABNUMBER="2194" DRIVER="NO110320" NUM_SERVICE="35"
START_DATE="07/01/2019 12:28:28" END_DATE="07/01/2019 12:55:27" TRIP="20.5500" TIPS="0.0000"
EXTRAS="0.0000" TOLLS="0.0000" TAX="0.0000" IMPTAX="0.0000" TOTAL_AMOUNT="20.5500" T="$" CCNUMBER=""
GPS_START_LA="37.754925" GPS_START_LO="-122.405095" GPS_END_LA="37.791468" GPS_END_LO="-122.434307"
FROM_ADDRESS="San Francisco California 94110" TO_ADDRESS="2384 Fillmore St San Francisco California 94115"
AUTHCODE="" AUTHAMT="20.5500" EHAILFEE="0.00" HEALTHFEE="0.00" PASSENGER_NUM="1" DIST_SERVCE="3.87"
DIST_BS="0.00" RESNUM="18001" CONGFEE="0.0000" airportFee="0.00" cbdt="1.25" />
      </TRIPS>
   </GET_TRIPS_LOG10Result>
</GET_TRIPS_LOG10Response>
```

Highlights

- **T tag identifies the type of payment**
  - T = $ CASH
  - T = C   CCARD (including Mobile transactions)
  - T = P   PRIVATE CARD

- RECORD ID values are recycled every quarter, use the combination of RECORD ID and PERIOD values as a unique universal identifier.

How to RECONCILE TRIPS

Use this method to mark trips as already downloaded (reconciled), see details on
`<RECON_STAT>int</RECON_STAT>` tag from previous method.

Method: Reconciliation_TRIP_LOG

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Reconciliation_TRIP_LOG"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Reconciliation_TRIP_LOG xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <DATE_FROM>string</DATE_FROM>
      <RECON_STAT>int</RECON_STAT>
      <ListIDs>string</ListIDs>
    </Reconciliation_TRIP_LOG>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- ListIDs – is a comma separated list of trip IDs, it is to be extracted from previous method response.
- RECON_STAT is a receipt number of your choice for future trip identification, do not reconcile with zero or negative values.

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Reconciliation_TRIP_LOGResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <Reconciliation_TRIP_LOGResult>string</Reconciliation_TRIP_LOGResult>
    </Reconciliation_TRIP_LOGResponse>
  </soap:Body>
</soap:Envelope>
```

How to retrieve CARD TRANSACTION data

How to get Card and other non-cash transactions.

Method: Get_Trans_UnReconcile

Return all transaction not previously marked as reconciled.

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_Trans_UnReconcile"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Trans_UnReconcile xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <TranType>string</TranType>
      <Cab>string</Cab>
      <Hack>string</Hack>
    </Get_Trans_UnReconcile>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- **TranType** can be one of the following:
  - AP – get approved transactions only.
  - DC – get failed transactions only.
  - DUP – get duplicates only.
  - ALL – all transactions

What is new:

Ability to request results filtered by the following fields:
- Cab (cab number)
- Hack (driver id)

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Trans_UnReconcileResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <Get_Trans_UnReconcileResult>string</Get_Trans_UnReconcileResult>
    </Get_Trans_UnReconcileResponse>
  </soap:Body>
</soap:Envelope>
```

The string value in `<Get_Trans_UnReconcileResult>` is the list of transactions in xml format.

Here is the example of response:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Get_Trans_UnReconcileResponse xmlns="https://www.taxitronic.org/VTS_SERVICE/">
   <Get_Trans_UnReconcileResult>
      <trans>
         <tran ROWID="1015589410">
            <IPNUMBER>10.36.74.144</IPNUMBER>
            <DATETIME>07/16/2020 09:17:49:620</DATETIME>
            <CRNUMBER>5*******9014</CRNUMBER>
            <AMOUNT>9.96</AMOUNT>
            <CABNUMBER>4P73</CABNUMBER>
            <NOTE />
            <TRIPDATE>07/16/2020</TRIPDATE>
            <TRIPTIMESTART>09:13</TRIPTIMESTART>
            <TRIPTIMEEND>09:18</TRIPTIMEEND>
            <TRIPFARE>1.00</TRIPFARE>
            <TRIPTRIPS>5.00</TRIPTRIPS>
            <TRIPEXTRAS>0.00</TRIPEXTRAS>
            <TRIPTIPS>1.66</TRIPTIPS>
            <TRIPDIST>0.63</TRIPDIST>
            <TRIPTOLL>0.00</TRIPTOLL>
            <TRIPDRIVERID>5239042</TRIPDRIVERID>
            <storeforward>N</storeforward>
            <NUM_SERVICE>3587</NUM_SERVICE>
            <CC_TYPE>3</CC_TYPE>
            <BANK_APPROVAL>02510P</BANK_APPROVAL>
            <BANK_ACTIONCODE>000</BANK_ACTIONCODE>
            <TAX>0.50</TAX>
            <IMPTAX>0.30</IMPTAX>
            <EHAIL_FEE>0.0000</EHAIL_FEE>
            <EHAILNAME />
            <PAYWITHPOINTS>0</PAYWITHPOINTS>
            <POINTAMT>0</POINTAMT>
            <ehail4Driver>0.0000</ehail4Driver>
            <ReferralFee>0.00</ReferralFee>
            <FromLa>40.765265</FromLa>
            <FromLo>-73.991175</FromLo>
            <ToLa>40.768597</ToLa>
            <ToLo>-73.985083</ToLo>
            <CongFee>2.50</CongFee>
            <ParkingFee>0.00</ParkingFee>
            <SalesTax>0.00</SalesTax>
            <WComp>0.00</WComp>
            <airportFee>1.50</airportFee>
            <cbdt>1.25</cbdt>
            <CleaningFee>0</CleaningFee>
            <Bonus>0.00</Bonus>
            <Incentive>0.00</Incentive>
         </tran>
         <tran ROWID="1015589408">
            <IPNUMBER>10.36.166.167</IPNUMBER>
            <DATETIME>07/16/2020 09:17:40:400</DATETIME>
            <CRNUMBER>4*******9389</CRNUMBER>
            <AMOUNT>13.56</AMOUNT>
            <CABNUMBER>6H24</CABNUMBER>
            <NOTE />
            <TRIPDATE>07/16/2020</TRIPDATE>
            <TRIPTIMESTART>09:08</TRIPTIMESTART>
            <TRIPTIMEEND>09:16</TRIPTIMEEND>
            <TRIPFARE>1.00</TRIPFARE>
```

```
            <TRIPTRIPS>8.00</TRIPTRIPS>
            <TRIPEXTRAS>0.00</TRIPEXTRAS>
            <TRIPTIPS>2.26</TRIPTIPS>
            <TRIPDIST>1.41</TRIPDIST>
            <TRIPTOLL>0.00</TRIPTOLL>
            <TRIPDRIVERID>5425061</TRIPDRIVERID>
            <storeforward>N</storeforward>
            <NUM_SERVICE>2265</NUM_SERVICE>
            <CC_TYPE>1</CC_TYPE>
            <BANK_APPROVAL>011709</BANK_APPROVAL>
            <BANK_ACTIONCODE>000</BANK_ACTIONCODE>
            <TAX>0.50</TAX>
            <IMPTAX>0.30</IMPTAX>
            <EHAIL_FEE>0.0000</EHAIL_FEE>
            <EHAILNAME />
            <PAYWITHPOINTS>0</PAYWITHPOINTS>
            <POINTAMT>0</POINTAMT>
            <ehail4Driver>0.0000</ehail4Driver>
            <ReferralFee>0.00</ReferralFee>
            <FromLa>40.751593</FromLa>
            <FromLo>-73.986438</FromLo>
            <ToLa>40.753078</ToLa>
            <ToLo>-74.003217</ToLo>
            <CongFee>2.50</CongFee>
            <ParkingFee>0.00</ParkingFee>
            <SalesTax>0.00</SalesTax>
            <WComp>0.00</WComp>
            <airportFee>1.50</airportFee>
            <cbdt>1.25</cbdt>
            <CleaningFee>0</CleaningFee>
            <Bonus>0.00</Bonus>
            <Incentive>0.00</Incentive>
        </tran>
    </trans>
  </Get_Trans_UnReconcileResult>
</Get_Trans_UnReconcileResponse>
```

Where **<CC_TYPE>** is defined as follows

CC_TYPE	Description
1	Visa
2	AMEX
3	Mastercard
4	Discover
5	Diners Club
6	JCB
7	VeriPay
8	Debit
9	PayPal
10	Other
11	Split
12	Virtual Card

Regarding the Calculation

- **<AMOUNT>-3.25</AMOUNT> below.**   **- This is the total payable amount, regardless of the partials**
- <TRIPFARE>1.00</TRIPFARE>   - This is the meter rate used for the trip, non-monetary.
- <TRIPTRIPS>-3.25</TRIPTRIPS>   - Meter FARE in dollars
- <TRIPEXTRAS>0.00</TRIPEXTRAS>   - Meter EXTRAS in dollars
- <TRIPTIPS>0.00</TRIPTIPS>   - TIPS in dollars.
- <TRIPDIST>0.00</TRIPDIST>   - Meter distance, non-monetary. In miles.
- <TRIPTOLL>0.00</TRIPTOLL>   - Tolls in dollars.
- <TAX>0.00</TAX>   - State Surcharge in dollars.
- <IMPTAX>0.00</IMPTAX>   - Improvement Surcharge (TIF) in dollars.
- <EHAIL_FEE>0.00<EHAIL_FEE>   - Service Fee in dollars
- <CongFee>0.00</CongFee>   - Congestion Fee in dollars.
- <airportFee>0.00</airportFee>   - Airport Fee in dollars.
- <cbdt>0.00</cbdt>   - Congestion Relief Zone Toll in dollars.
- <Bonus>0.00</Bonus>   - Bonus payable to driver in dollars.
- <Incentive>0.00</Incentive>   - Incentive payable to driver in dollars.

In general, for most cases the following is true:

AMOUNT = TRIPTRIPS + TRIPEXTRAS + TRIPTIPS + TRIPTOLL +TAX + IMPTAX + EHAIL_FEE + CongFee + airportFee + cbdt + Bonus + Incentive

- Use **tran ROWID** as a Unique Universal Identifier

Method: **Get_Trans_By_Date_Cab12**
Returns all transactions matching a specified cab number and or a date range.

Request

```
POST /VTS_SERVICE/Taxi_Service.asmx HTTP/1.1
Host: api.taxitronic.org
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_Trans_By_Date_Cab12"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Trans_By_Date_Cab12 xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <fromDateTime>string</fromDateTime>
      <ToDateTime>string</ToDateTime>
      <CabNumber>string</CabNumber>
      <TranType>string</TranType>
    </Get_Trans_By_Date_Cab12>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- TranType can be one of the following:
  - AP – Returns approved transactions only.
  - DC – Returns failed transactions only.
  - DUP – Returns duplicates only.
  - ALL – Returns all transactions.

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Trans_By_Date_Cab12Response
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <Get_Trans_By_Date_Cab12Result>string</Get_Trans_By_Date_Cab9Result>
    </Get_Trans_By_Date_Cab9Response>
  </soap:Body>
</soap:Envelope>
```

For response details, see **Get_Trans_UnReconcile** method as the structure of the response is the same.

How to RECONCILE Card transactions

Method: Reconciliation

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Reconciliation"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Reconciliation xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <ListIDs>string</ListIDs>
    </Reconciliation>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- ListIDs is a comma separated list of transaction Ids <Tran ROWID> which is to be taken from the previous method's response.

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ReconciliationResponse xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <ReconciliationResult>string</ReconciliationResult>
    </ReconciliationResponse>
  </soap:Body>
</soap:Envelope>
```

How to CHARGE a credit card

Method: Credit_Charge_Manual

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Credit_Charge_Manual"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Credit_Charge_Manual xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <ChargeType>string</ChargeType>
      <Track2>string</Track2>
      <CardNum>string</CardNum>
      <ExpDate>string</ExpDate>
      <Amount>decimal</Amount>
      <Fares>int</Fares>
      <Trips>decimal</Trips>
      <Extras>decimal</Extras>
      <Taxes>decimal</Taxes>
      <Tips>decimal</Tips>
      <Tolls>decimal</Tolls>
      <ImpTax>decimal</ImpTax>
      <CongFee>decimal</CongFee>
       <airportFee>decimal</airportFee>
      <cbdt>decimal</cbdt>
      <DS>decimal</DS>
      <DRID>string</DRID>
      <Job>string</Job>
      <cabNo>string</cabNo>
      <StartDate>string</StartDate>
      <EndDate>string</EndDate>
      <tripNumber>int</tripNumber>
      <Pass>int</Pass>
      <note>string</note>
      <From_Lo>decimal</From_Lo>
      <From_La>decimal</From_La>
      <To_Lo>decimal</To_Lo>
      <To_La>decimal</To_La>
      <CVV>string</CVV>
      <AVS>string</AVS>
    </Credit_Charge_Manual>
  </soap:Body>
</soap:Envelope>
```

Highlights
- Merchant, UserId, and Password will be provided.
- <ChargeType> possible values:
    o Charge

- o   Return (for issuing a credit)
- One of the following is mandatory Track2, or CardNum with ExpDate
- Expected format for ExpDate is MM/DD
- Fares is the tariff number, integer 1 – 8
- Amount is decimal and mandatory.
- Expected format for StartDate, and EndDate if they are part of request is MM/dd/yyyy HH:mm:ss
- Other parameters are self-explained, and not optional.

Sample Request:

```xml
<x:Envelope xmlns:x="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:vts="https://www.taxitronic.org/VTS_SERVICE/">
    <x:Header/>
    <x:Body>
        <Credit_Charge_Manual>
            <UserId>testuser</UserId>
            <Password>xxxx</Password>
            <Merchant>10879501442222</Merchant>
            <ChargeType>Charge</ChargeType>
            <CardNum>4000000000004908</CardNum>
            <ExpDate>07/22</ExpDate>
            <Amount>4.05</Amount>
            <Fares>1</Fares>
            <Trips>2.09</Trips>
            <Extras>0.23</Extras>
            <Taxes>0.57</Taxes>
            <Tips>0.12</Tips>
            <Tolls>0.11</Tolls>
            <ImpTax>0.10</ImpTax>
            <CongFee>0.00</CongFee>
            <airportFee>0.00</airportFee>
             <cbdt>0.00</cbdt>
            <DS>1.45</DS>
            <DRID>189333</DRID>
            <Job>testing</Job>
            <cabNo>1902</cabNo>
            <StartDate>07/11/2017 10:15:17</StartDate>
            <EndDate>07/11/2017 10:20:20</EndDate>
            <tripNumber>116</tripNumber>
            <Pass>2</Pass>
            <note>testing</note>
            <From_Lo>-77.032548</From_Lo>
            <From_La>38.937623000</From_La>
            <To_Lo>0</To_Lo>
            <To_La>0</To_La>
        </Credit_Charge_Manual>
    </x:Body>
</x:Envelope>
```

Response:

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Credit_Charge_ManualResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <Credit_Charge_ManualResult>string</Credit_Charge_ManualResult>
```

```
        </Credit_Charge_ManualResponse>
    </soap:Body>
</soap:Envelope>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
    <soap:Body>
        <Credit_Charge_ManualResponse xmlns="https://www.taxitronic.org/VTS_SERVICE/">
            <Credit_Charge_ManualResult>
                <taxitronic>
                    <header>
                        <replySystem>meterSystem</replySystem>
                    </header>
                    <body>
                        <dateStamp>07/11/2017</dateStamp>
                        <timeStamp>09:25:50</timeStamp>
                        <callingIPAddress>192.168.55.205</callingIPAddress>
                        <cardNo>4908</cardNo>
                        <expirationMonth>07</expirationMonth>
                        <expirationYear>22</expirationYear>
                        <cardType>VISA</cardType>
                        <merchant>10879201412222</merchant>
                        <posMode />
                        <amount>4.05</amount>
                        <approvalCode>453689</approvalCode>
                        <actionCode>000</actionCode>
                        <replyType>manualCharge</replyType>
                        <additionalResponseData>AP|0000|0000|0</additionalResponseData>
                        <AVSResponse />
                        <CVVResp1 />
                        <CVVResp2 />
                        <SysAudit>58420</SysAudit>
                        <emv />
                        <merchant />
                        <TranID>58420</TranID>
                        <Acquirer>GLOBAL-PAY</Acquirer>
                        <ValCode>BBCD</ValCode>
                        <TRNum>822937700744257</TRNum>
                    </body>
                </taxitronic>
            </Credit_Charge_ManualResult>
        </Credit_Charge_ManualResponse>
    </soap:Body>
</soap:Envelope>
```

Highlights

- Transaction is approved when actionCode is 000
- Any other actionCode signifies a non-approved transaction.

How to retrieve MANUAL PAYMENTS

Method: Get_Manual_Payments

This method allows to retrieve other payments issued by Curb as the result of an operation not related to card transaction. For instance, a manual settlement for a declined store forward transaction, or a charge for a double collected transaction in vehicle.

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_Manual_Payments"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Manual_Payments xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <startDate>string</startDate>
      <endDate>string</endDate>
    </Get_Manual_Payments>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- startDate – Start date of requested period format MM/dd/yyyy
- endDate – End date of requested period (not included) format MM/dd/yyyy

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Manual_PaymentsResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <Get_Manual_PaymentsResult>string</Get_Manual_PaymentsResult>
    </Get_Manual_PaymentsResponse>
  </soap:Body>
</soap:Envelope>
```

Here is the example of string response:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <soap:Body>
      <Get_Manual_PaymentsResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
         <Get_Manual_PaymentsResult>
            <ManualPayments>
               <ManualPayment ManualPaymentId="144334">
                  <Category></Category>
                  <Status>0</Status>
                  <StatusName>New</StatusName>
                  <Date>02/27/2023 14:23:26</Date>
                  <Amount>0.34</Amount>
                  <OriginalTransDate />
                  <DriverId />
                  <VehicleId>0194</VehicleId>
                  <TripNumber>1012</TripNumber>
                  <CaseNumber />
                  <Note>Sample note</Note>
               </ManualPayment>
               <ManualPayment ManualPaymentId="144335">
                  <Category />
                  <Status>0</Status>
                  <StatusName>New</StatusName>
                  <Date>02/27/2023 14:33:12</Date>
                  <Amount>0.34</Amount>
                  <OriginalTransDate />
                  <DriverId />
                  <VehicleId>1098</VehicleId>
                  <TripNumber />
                  <CaseNumber />
                  <Note>test note</Note>
               </ManualPayment>
            </ManualPayments>
         </Get_Manual_PaymentsResult>
      </Get_Manual_PaymentsResponse>
   </soap:Body>
</soap:Envelope>
```

Where <Category> is defined as follows

Category	Description
0	Adjustment
1	Driver Incentive
2	Missing STFW
3	Declined STFW
4	Chargeback
5	Missing Fare
6	WAV Bonus
7	Not in use
8	Monthly Fee
9	Toll Adjustment
10	Bill Collection
11	Service Fee
12	Equipment Fee
13	Recurrent

Where <status> is defined as follows

Status	Description
0	New
1	Approved
2	Processed
3	Cancelled

How to retrieve PAYMENTS

Method: Get_Payments

This method returns a list of PaymentId values for payments issued by Curb on the date range provided. Response includes details for each payment. For further details this method should be used in conjunction with **Get_Trans_By_Payment_Id**

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_Payments"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Get_Payments xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <startDate>string</startDate>
      <endDate>string</endDate>
    </Get_Payments>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- startDate – Start date of requested period format MM/dd/yyyy
- endDate – End date of requested period (not included) format MM/dd/yyyy

Response:

Here is the example of response:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <soap:Body>
      <Get_PaymentsResponse xmlns="https://www.taxitronic.org/VTS_SERVICE/">
         <Get_PaymentsResult>
            <Payments>
               <Payment PaymentId="25748a78-4816-4e2d-8fb1-451058d307a7">
                  <PaymentDate>08/30/2023 20:27:52</PaymentDate>
                  <SubTotal>0.0000</SubTotal>
                  <ProcessingFees>0.0000</ProcessingFees>
                  <TripFees>0.00</TripFees>
                  <FleetCommission>0.0000</FleetCommission>
                  <ManualPayments>0.0000</ManualPayments>
                  <ServiceFee>0.00</ServiceFee>
                  <ReferralFee>0.00</ReferralFee>
                  <PayBack>0.70</PayBack>
                  <Deductions>0.00</Deductions>
```

```xml
                <DisbursementFee>-0.24</DisbursementFee>
                <Total>0.4600</Total>
                <Status>Pending</Status>
            </Payment>
            <Payment PaymentId="b90f957b-9d9e-403c-a9e4-da2e1636854c">
                <PaymentDate>08/30/2023 08:18:32</PaymentDate>
                <SubTotal>0.0000</SubTotal>
                <ProcessingFees>0.0000</ProcessingFees>
                <TripFees>0.00</TripFees>
                <FleetCommission>0.0000</FleetCommission>
                <ManualPayments>0.0000</ManualPayments>
                <ServiceFee>0.00</ServiceFee>
                <ReferralFee>0.00</ReferralFee>
                <PayBack>0.70</PayBack>
                <Deductions>0.00</Deductions>
                <DisbursementFee>-0.24</DisbursementFee>
                <Total>0.4600</Total>
                <Status>Canceled</Status>
            </Payment>
        </Payments>
      </Get_PaymentsResult>
    </Get_PaymentsResponse>
  </soap:Body>
</soap:Envelope>
```

Highlights

Possible <Status> values:

- Pending
- Paid
- Canceled

How to retrieve TRANSACTIONS by PAYMENT ID

Method: Get_Trans_By_Payment_Id

This method will return the unique transaction ROWID of the transaction records included on a given payment identified by its PaymentId. For details on the Tran ROWID records, use **Get_Trans_UnReconcile, Get_Trans_By_Date_Cab12,** or **Get_Trans_UnReconcile_Cab12**

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_Trans_By_Payment_Id"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    < Get_Trans_By_Payment_Id xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <PaymentIds>
         <PaymentId>string</PaymentId>
      </PaymentIds>
    </Get_Trans_By_Payment_Id>
  </soap:Body>
</soap:Envelope>
```

Highlights
- Merchant, UserId, and Password will be provided.
- PaymentIds is an object with one or more PaymentId values from the **Get_Payments** response.

Response:
Here is the example of response:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <soap:Body>
      <Get_Trans_By_Payment_IdResponse
xmlns="https://www.taxitronic.org/VTS_SERVICE/">
         <Get_Trans_By_Payment_IdResult>
            <Payments>
               <Payment PaymentId="f84177a0-ba9e-42fe-9718-58b6c2e84672">
                  <trans>
                     <tran ROWID="712568781" />
                     <tran ROWID="712568786" />
                     <tran ROWID="712568790" />
                     <tran ROWID="712568801" />
                     <tran ROWID="712568807" />
                     <tran ROWID="712568811" />
                     <tran ROWID="712568817" />
                  </trans>
               </Payment>
```

```xml
                <Payment PaymentId="3d5b50a8-9729-47e3-9f3d-9a36981dca15">
                    <trans>
                        <tran ROWID="712569698" />
                        <tran ROWID="712569699" />
                        <tran ROWID="712569700" />
                        <tran ROWID="712569735" />
                    </trans>
                </Payment>
            </Payments>
        </Get_Trans_By_Payment_IdResult>
      </Get_Trans_By_Payment_IdResponse>
   </soap:Body>
</soap:Envelope>
```

How to retrieve TRIP TOTALS

Method: Get_TripTotals_UnReconcile3

This method will return a list ot records with summarized trip data and ofometer readings reported by the unit. **Get_TripTotals_UnReconcile3** will return all records not marked as reconciled yet. In order to mark records as reconciled use **Reconciliation_TripTotals**

To retrieve this information for a specific period, use **Get_TripTotals_ByDate3.**

Request:

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/Get_TripTotals_UnReconcile3"
<x:Envelope
    xmlns:x="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:vts="https://www.taxitronic.org/VTS_SERVICE/">
    <x:Header/>
    <x:Body>
        <vts:Get_TripTotals_UnReconcile3>
            <vts:UserId>userid</vts:UserId>
            <vts:Password>**********</vts:Password>
            <vts:Merchant>000000000000</vts:Merchant>
        </vts:Get_TripTotals_UnReconcile3>
    </x:Body>
</x:Envelope>
```

Highlights
- Merchant, UserId, and Password will be provided.

Response:
Here is the example of response:

```
<Get_TripTotals_UnReconcile3Result>
   <TripTotal>
      <tran ROWID="20767036">
         <CABNUMBER>3752</CABNUMBER>
         <DATETIME>08/09/2022 06:50:30:000</DATETIME>
         <NUM_TRIPS>1227</NUM_TRIPS>
         <TRIP_FARE>25807.0700</TRIP_FARE>
         <TRIP_EXTRAS>2576.1500</TRIP_EXTRAS>
         <TOTAL_AMOUNT>28383.2200</TOTAL_AMOUNT>
         <DISTANCE_PAID>8587.3600</DISTANCE_PAID>
         <DISTANCE_NOTPAID>7724.2500</DISTANCE_NOTPAID>
         <TPASS_TOTAL>28091.3600</TPASS_TOTAL>
         <TPASS_ACCU_TOTAL>28091.3600</TPASS_ACCU_TOTAL>
         <TPASS_TAX>0.0000</TPASS_TAX>
         <TPASS_ACCU_TAX>0.0000</TPASS_ACCU_TAX>
         <TRIP_METER_TAX>0.6500</TRIP_METER_TAX>
         <ODOMETER>408986.00</ODOMETER>
      </tran>
   </TripTotal>
</Get_TripTotals_UnReconcile3Result>
```

How to Update Vehicle

Method: UpdateVehicle

```
SOAPAction: "https://www.taxitronic.org/VTS_SERVICE/UpdateVehicle"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateVehicle xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Merchant>string</Merchant>
      <CabNumber>string</CabNumber>
      <Plate>string</Plate>
      <PlateState>string</PlateState>
      <VIN>string</VIN>
      <Make>string</Make>
      <Model>string</Model>
      <Year>int</Year>
      <Propulsion>string</Propulsion>
      <Body>string</Body>
      <Seats>int</Seats>
      <WAV>int</WAV>
      <Color>string</Color>
    </UpdateVehicle>
  </soap:Body>
</soap:Envelope>
```

Highlights

- Merchant, UserId, and Password will be provided.
- Plate is the state issued plate number
- PlateState is the issuing state (2 letters)
- VIN is Vehicle Identification Number 17-characters alphanumeric code
- Propulsion acceptable parameters (Combustion, Electric, Hybrid)
- WAV possible acceptable values (0 – not WAV, 1 - WAV)

  If VIN is provided then VIN will be validated, and if it is Valid then provided Make, Model, Year, propulsion, Body, Seats will be ignored

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateVehicleResponse xmlns="https://www.taxitronic.org/VTS_SERVICE/">
      <UpdateVehicleResult>string</UpdateVehicleResult>
    </UpdateVehicleResponse>
  </soap:Body>
</soap:Envelope>
```