



MDOT MVA BULK Driver and Vehicle Access Service (BULK)

Version 6.4

Tyler Maryland in partnership with
the MDOT Motor Vehicle Administration

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Maryland Bulk Data Delivery User Guide

Introduction

In March 2012, the Maryland Department of Transportation Maryland Motor Vehicle Administration (MDOT MVA) partnered with Tyler Maryland through a Master Contract with the Department of Information Technology to provide Bulk Driving and Vehicle access service. This document provides an overview of implementing and interfacing with this service.

To utilize the service, the customer must be authorized under the Driver Privacy Protection Act (DPPA) and have a subscription to the Bulk Data Delivery service to access MDOT MVA records.

What's New?

The following revisions were made to the BULK user guide:

- Updates to MVA record pricing, page 4

Bulk Data Delivery Service Overview

The Bulk Data Delivery service is a secure file transfer batch-based system which allows customers to receive larger volumes of MDOT MVA driver or vehicle record data.

Maintenance Windows

This service is unavailable to process requests during maintenance windows. Current Tyler Maryland scheduled maintenance windows are:

- Second Saturday of every month from 11:00 PM until 5:00 AM EST

New Titles, Registrations and Address Corrections and Registration Renewals:

Customers receiving the New Titles, Registrations, and Address Corrections (VORS580) and Registration Renewals (VORS590) will receive the files per the following schedule:

- Sundays between 10:00 AM and 11:00 AM EST
- Monday, Tuesday, Wednesday, Thursday, Friday & Saturday between 2:00 AM and 3:00 AM EST

Upon subscription to the Bulk Data Delivery service, each customer is assigned a directory to which data can be transmitted and retrieved. The MDOT MVA will return the output files in the customer's "out" directory.

Special Request Programs

Customers subscribing to Special Request Programs (VORS023 and VORS024) will upload an input file to the FTP location indicating the records being requested. They will receive their results file on the second Sunday of the month between 3:30 PM and 4:30 PM EST.

Upon subscription to the Bulk Data Delivery service, each customer is assigned a directory to which data can be transmitted and retrieved. Special Request Program customers will submit, via the Service's "in" directory, a listing of the records they are requesting. The customer must have a DPPA-approved reason to request each record. The service(s) will submit the request to the MDOT MVA mainframe. The MDOT MVA, upon receipt of an input file, will return the resulting output files in the "out" directory.

All files placed on the FTP server will send a confirmation email to the customer as soon as the Bulk File Delivery service picks them up.

The file server location for all Bulk Data files is <https://sftp.egov.maryland.gov>.

Incoming files for all file types will generate a "received" e-mail confirmation. **The file format, file naming convention and file layout are the same as what customers are currently receiving from MDOT MVA.**

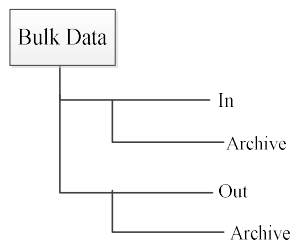
Program Guidelines

SFTP Directory Structure

Each customer is assigned a directory to which data can be transmitted (where applicable) and retrieved. When the customer logs onto the server, the server automatically routes the user to the proper directory according to the User ID and password used to log in. Upon logging into the file transfer server, the customer will be rooted in a directory named after their billing identification code.

Under this directory will be service directories for bulk services. Within the service, directories will be "in" and "out" directories and archive directories to hold files from previous processing days. The "in" folder is used to transmit request files to the service, and the "out" directory is used to receive response files.

Example:



Tyler Maryland will archive the input and output files before dropping the new files in the Out folder.

Charges and Billing

Effective September 1, 2024, each unique record returned by the MDOT MVA costs \$0.51 for non-government entities and \$0.05 for Government agencies. There are no minimum fees.

Tyler Maryland generates invoices for the previous month's transactions, which are emailed to customers at the beginning of each month. Payment is due upon receipt of the monthly invoice. Interruption to service, including suspension or termination, may occur if payment is not received by Tyler, Maryland, within 20 days of the invoice date. If payment is received following a termination, Tyler Maryland determines eligibility for reinstatement.

Bulk Data Access Program Support

To report a technical problem, error message, or billing inquiry, please call the Tyler Maryland Help Desk at (888) 9MD-EGOV or email mdhelp@tylertech.com and explain the nature of the problem. The support staff will request information from you and work with you to resolve the issue.

Discontinuing Participation in the Bulk Vehicle Record Data Program

Customers who no longer wish to participate in the Bulk Data Access program must notify Tyler Maryland in writing of their intentions to discontinue participation. Either party may discontinue the contract with thirty (30) days written notice.

Secure FTP Connections

The server allows customers to download and upload files via a secure connection. Data being transferred is encrypted from point to point. Users must use an SSL connection via their browser or secure FTP (SFTP) via a 128-bit SFTP client.

Customers have two (2) options for connecting to the Tyler Maryland SFTP server. The following are the choices available and the information needed to utilize each.

SFTP Connection

Customers may submit and retrieve files via a secure file transfer client. If using a secure file transfer client, access to the server is accomplished by accessing **sftp.egov.maryland.gov**.

A connection must be made using valid user credentials. The client must be able to handle at least 128-bit encryption. Secure file transfers occur over TCP port 22.

HTTPS Connection

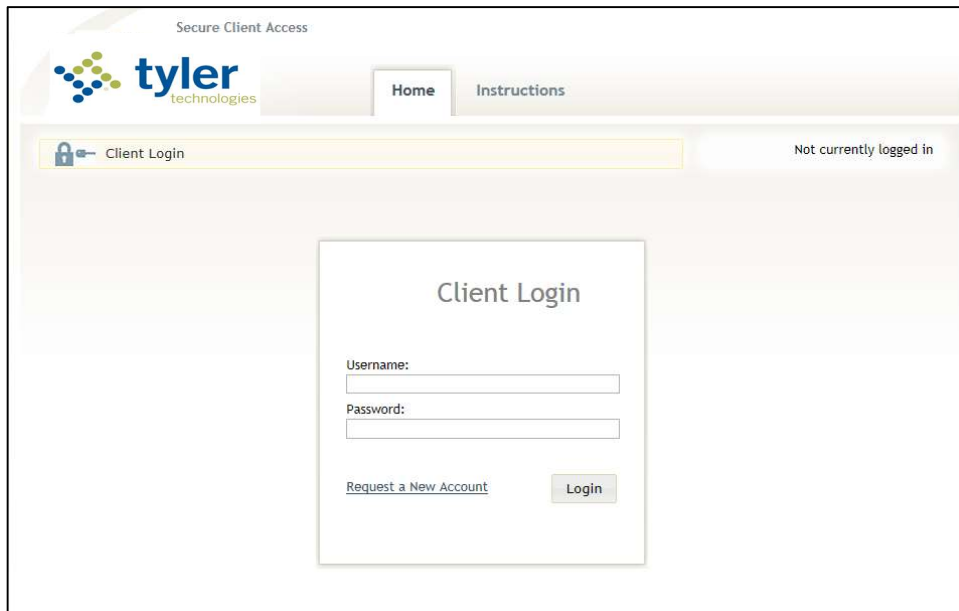
The HTTPS web client capability allows users to access a standard web browser to connect to the server and easily upload and download files. Clients may connect to <https://sftp.egov.maryland.gov> to submit and retrieve files. Data transfers will be SSL encrypted and RFC-2228 compliant. HTTPS occurs over TCP port 443.

*Note: Customers are NOT required to purchase their own certificates. Certificates are sent from the server to the client.

Connecting to the Tyler Maryland Secure Server via HTTPS

Accessing Tyler Maryland's Secure FTP Server

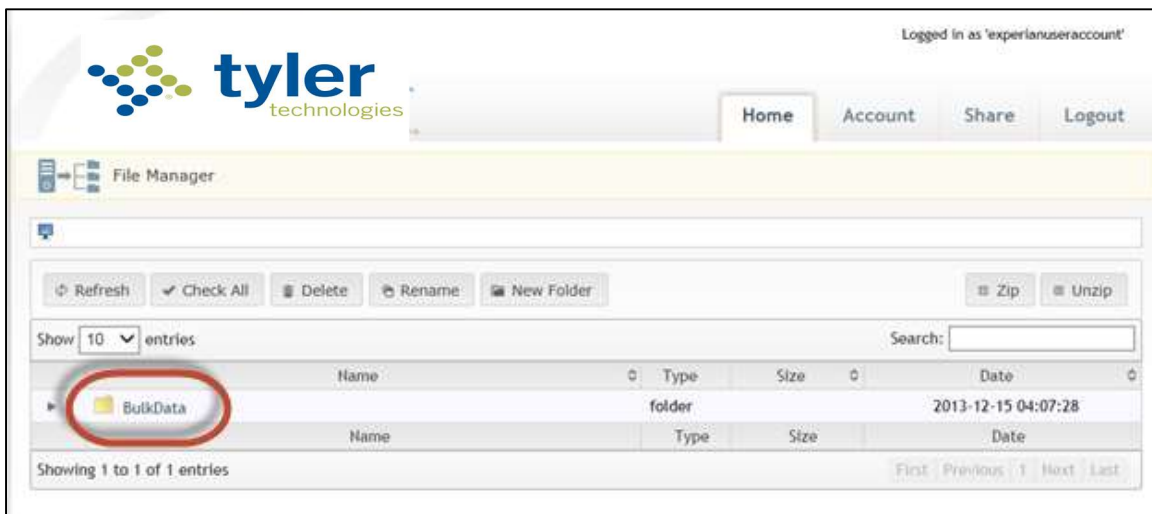
1. Start your Internet browser.
2. In the address field, type in <https://sftp.egov.maryland.gov/>.
3. Enter your Username and Password assigned by Tyler Maryland and click on the "Login" button.



4. You are now connected to the Tyler Maryland Secure FTP server.
5. To close your session, click the "Logout" hyperlink at the top right-hand portion of the screen.

Transferring a file to the Tyler Maryland FTP Server

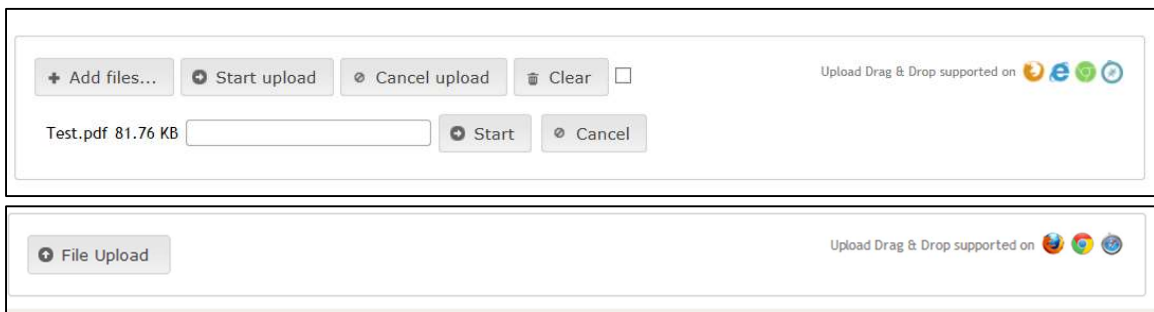
To transfer a file to Tyler Maryland's Secure FTP Server, click on the "BulkData" folder.



Next, click on the “in” folder. This links to your “in” FTP directory.



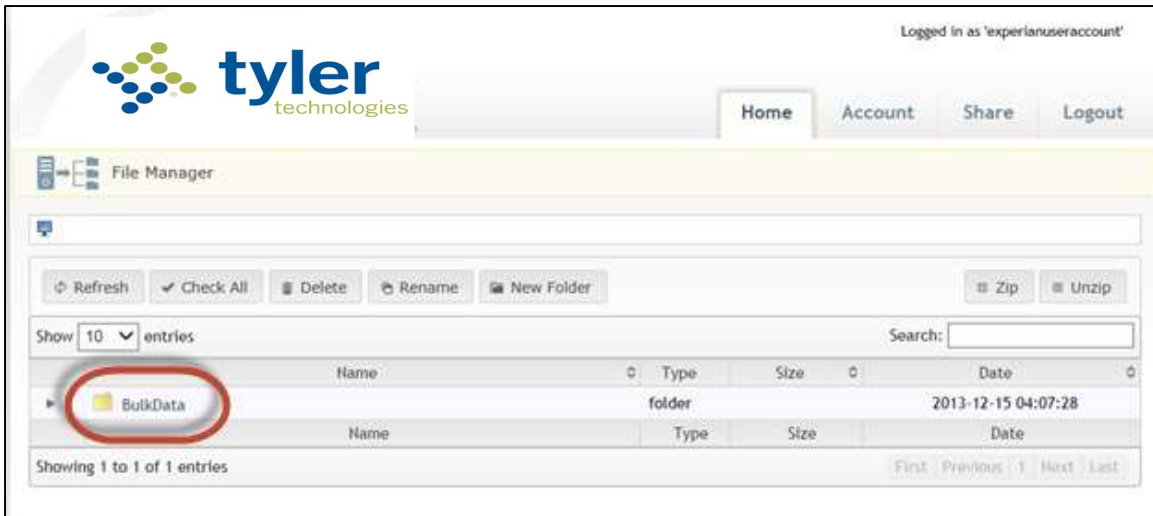
Click on the “Add files...” button located at the bottom side of your browser.



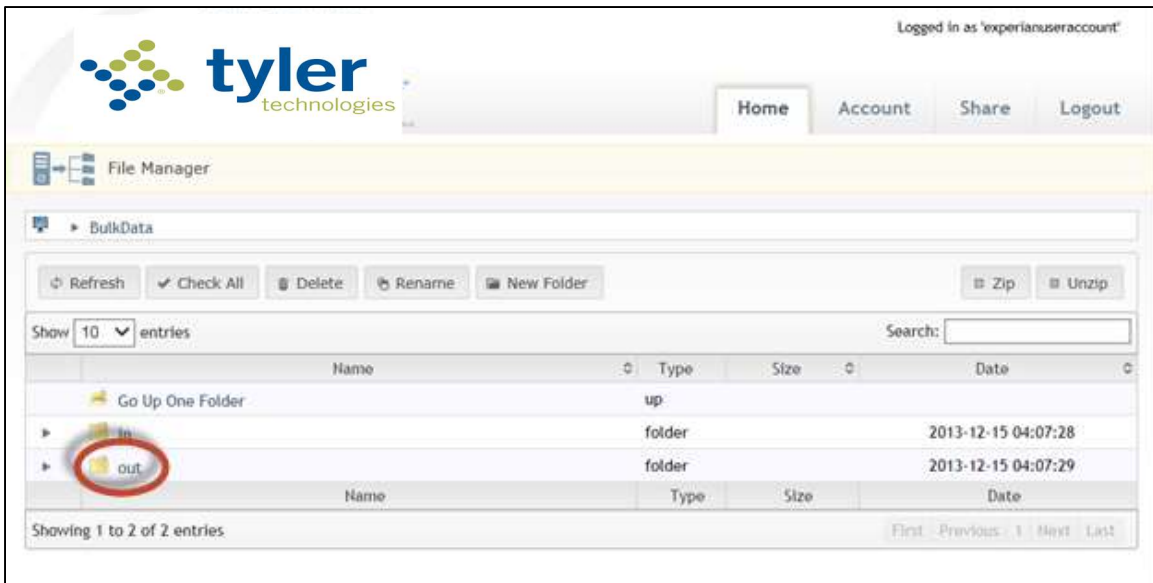
Navigate to the file you wish to upload into your “in” folder. Double-click the file then select the “Start upload” button to initiate the upload process.

Retrieving a file to the Tyler Maryland FTP Server

To retrieve a file from Tyler Maryland’s Secure FTP Server, click on the “BulkData” folder.

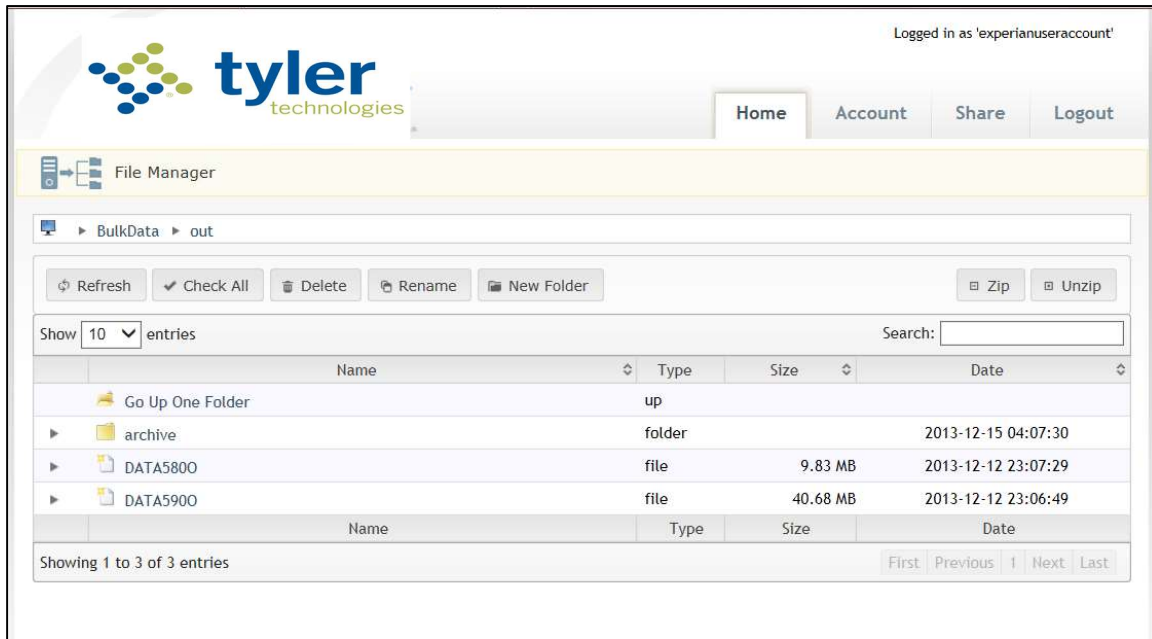


Next, click on the “out” folder. This links to your “out” FTP directory.



The screen below displays how the returned file will appear.

Click on the file name link to download the file. Then, follow the on-screen instructions to open or save the file. (Please note that although you may right-click on the file and choose the “Save As” option to download the file, the method specified here is the preferred one and will ensure the integrity of the file layout.)



***Note:** Remember that the input files must follow the same file naming and file layout standards currently followed. MDOT MVA will reject the files that do not meet these standards.

Output File Formats

Bulk Vehicle Record – 580 File

| Field Name | Data Type | Length | Notes |
|------------------------|---------------|--------|--|
| Record Code | NUMERIC | 1 | MDOT MVA Issued Company Code (1, 2 or 3) |
| Transaction Type | NUMERIC | 12 | |
| Transaction Date | ALPHA-NUMERIC | 10 | YYYY-MM-DD |
| Transaction Time | ALPHA-NUMERIC | 8 | |
| Soundex Number | ALPHA-NUMERIC | 13 | |
| Company Indicator | NUMERIC | 1 | "C" for company or blank if individual |
| Owner Last Name | ALPHA | 50 | |
| Owner First Name | ALPHA | 50 | |
| Owner Middle Name | ALPHA | 50 | |
| Owner Suffix | ALPHA | 10 | |
| Co-Owner Last Name | ALPHA | 50 | |
| Co-Owner First Name | ALPHA | 50 | |
| Co-Owner Middle Name | ALPHA | 50 | |
| Co-Owner Suffix | ALPHA | 10 | |
| Owner Street Address 1 | ALPHA-NUMERIC | 255 | |
| Owner Street Address 2 | ALPHA-NUMERIC | 255 | |
| Owner Unit | ALPHA-NUMERIC | 30 | |

| Field Name | Data Type | Length | Notes |
|--------------------------------|---------------|--------|-------|
| Owner Unit Type | ALPHA-NUMERIC | 50 | |
| Owner City | ALPHA | 100 | |
| Owner County | ALPHA | 6 | |
| Owner State | ALPHA | 2 | |
| Owner Zip Code | NUMERIC | 9 | |
| Owner Mailing Street Address 1 | ALPHA-NUMERIC | 255 | |
| Owner Mailing Street Address 2 | ALPHA-NUMERIC | 255 | |
| Owner Mailing Unit | ALPHA-NUMERIC | 30 | |
| Owner Mailing Unit Type | ALPHA-NUMERIC | 50 | |
| Owner Mailing City | ALPHA | 100 | |
| Owner Mailing County | ALPHA | 6 | |
| Owner Mailing State | ALPHA | 2 | |
| Owner Mailing Zip Code | NUMERIC | 9 | |
| Co-Street Address 1 | ALPHA-NUMERIC | 255 | |
| Co-Street Address 2 | ALPHA-NUMERIC | 255 | |
| Co-Unit | ALPHA-NUMERIC | 30 | |
| Co-Unit Type | ALPHA-NUMERIC | 50 | |
| Co-City | ALPHA | 100 | |
| Co-County | ALPHA | 6 | |
| Co-State | ALPHA | 2 | |
| Co-Zip Code | NUMERIC | 9 | |
| Co-Mailing Street Address 1 | ALPHA-NUMERIC | 255 | |
| Co-Mailing Street Address 2 | ALPHA-NUMERIC | 255 | |
| Co- Mailing Unit | ALPHA-NUMERIC | 30 | |
| Co-Mailing Unit Type | ALPHA-NUMERIC | 50 | |
| Co-Mailing City | ALPHA | 100 | |
| Co-Mailing County | ALPHA | 6 | |
| Co-Mailing State | ALPHA | 2 | |
| Co-Mailing Zip Code | NUMERIC | 9 | |
| Tag Number | ALPHA-NUMERIC | 30 | |
| Class | ALPHA-NUMERIC | 12 | |
| VIN | ALPHA-NUMERIC | 19 | |
| Make | ALPHA-NUMERIC | 30 | |
| Expiration Month | NUMERIC | 2 | |
| Vehicle Year | NUMERIC | 4 | |
| Exception Code | ALPHA-NUMERIC | 30 | |
| Gross Vehicle Weight | NUMERIC | 5 | |
| Gross Combined Weight | NUMERIC | 5 | |
| Expiration Year | NUMERIC | 4 | |
| Odometer | NUMERIC | 6 | |
| Brand | ALPHA-NUMERIC | 6 | |
| Dealer Code | ALPHA-NUMERIC | 10 | |
| Lien Record Flag | ALPHA-NUMERIC | 1 | |
| Title | ALPHA-NUMERIC | 8 | |
| VEIP Inspection Date | ALPHA-NUMERIC | 6 | |
| VEIP Status Code | ALPHA-NUMERIC | 12 | |
| New/Used Code | ALPHA-NUMERIC | 1 | |

| Field Name | Data Type | Length | Notes |
|-------------------------|---------------|--------|-------|
| Vehicle from State | ALPHA-NUMERIC | 2 | |
| Hold Flag | NUMERIC | 1 | |
| Replate-Flag | | 1 | |
| Owner DOB | ALPHA-NUMERIC | 10 | |
| Odometer Code | ALPHA-NUMERIC | 1 | |
| Lien Action | ALPHA-NUMERIC | 1 | |
| Lien Contract Date | ALPHA-NUMERIC | 10 | |
| Lien Maturity Date | ALPHA-NUMERIC | 10 | |
| Lien Release Date | ALPHA-NUMERIC | 10 | |
| Lien Name | ALPHA | 255 | |
| Lien Street 1 | ALPHA-NUMERIC | 255 | |
| Lien Street 2 | ALPHA-NUMERIC | 255 | |
| Lien Unit | ALPHA-NUMERIC | 30 | |
| Lien Unit Type | ALPHA-NUMERIC | 50 | |
| Lien City | ALPHA | 100 | |
| Lien State | ALPHA | 2 | |
| Lien Zip Code | ALPHA-NUMERIC | 9 | |
| Salv-Insp | ALPHA-NUMERIC | 4 | |
| Salvage Brand | ALPHA-NUMERIC | 1 | |
| Salvage Stolen | ALPHA-NUMERIC | 1 | |
| Salvage Inspection Code | ALPHA-NUMERIC | 4 | |
| Privacy Code | ALPHA-NUMERIC | 1 | |

Bulk Vehicle Record – 590 File

| Field Name | Data Type | Length | Notes |
|--------------------------------|---------------|--------|--|
| Record Code | NUMERIC | 1 | MDOT MVA Issued Company Code |
| Transaction Type | ALPHA-NUMERIC | 12 | |
| Transaction Date | ALPHA-NUMERIC | 10 | YYYY-MM-DD |
| Transaction Time | ALPHA-NUMERIC | 8 | HH:MM:SS |
| Soundex Number | ALPHA-NUMERIC | 13 | |
| Company Indicator | NUMERIC | 1 | “C” for company or blank if individual |
| Owner Last Name | ALPHA | 50 | |
| Owner First Name | ALPHA | 50 | |
| Owner Middle Name | ALPHA | 50 | |
| Owner Suffix | ALPHA | 10 | |
| Co-Owner Last Name | ALPHA | 50 | |
| Co-Owner First Name | ALPHA | 50 | |
| Co-Owner Middle Name | ALPHA | 50 | |
| Co-Owner Suffix | ALPHA | 10 | |
| Owner Mailing Street Address 1 | ALPHA-NUMERIC | 255 | |
| Owner Mailing Street Address 2 | ALPHA-NUMERIC | 255 | |
| Owner Unit | ALPHA-NUMERIC | 30 | |
| Owner Unit Type | ALPHA-NUMERIC | 50 | |

| Field Name | Data Type | Length | Notes |
|-----------------------------|---------------|--------|-------|
| Owner Mailing City | ALPHA | 100 | |
| Owner Mailing County | ALPHA | 6 | |
| Owner Mailing State | ALPHA | 2 | |
| Owner Mailing Zip Code | NUMERIC | 9 | |
| Co-Street Address 1 | ALPHA-NUMERIC | 255 | |
| Co-Street Address 2 | ALPHA-NUMERIC | 255 | |
| Co-Unit | ALPHA-NUMERIC | 30 | |
| Co-Unit Type | ALPHA-NUMERIC | 50 | |
| Co-City | ALPHA | 100 | |
| Co-County | ALPHA | 6 | |
| Co-State | ALPHA | 2 | |
| Co-Zip Code | NUMERIC | 9 | |
| Co-Mailing Street Address 1 | ALPHA-NUMERIC | 255 | |
| Co-Mailing Street Address 2 | ALPHA-NUMERIC | 255 | |
| Co- Mailing Unit | ALPHA-NUMERIC | 30 | |
| Co-Mailing Unit Type | ALPHA-NUMERIC | 50 | |
| Co-Mailing City | ALPHA | 100 | |
| Co-Mailing County | ALPHA | 6 | |
| Co-Mailing State | ALPHA | 2 | |
| Co-Mailing Zip Code | NUMERIC | 9 | |
| Tag Number | ALPHA-NUMERIC | 30 | |
| Class | ALPHA-NUMERIC | 12 | |
| VIN | ALPHA-NUMERIC | 19 | |
| Return Brand | ALPHA-NUMERIC | 1 | |
| Make | ALPHA-NUMERIC | 30 | |
| Body Style | ALPHA-NUMERIC | 6 | |
| Expiration Month | NUMERIC | 2 | |
| Vehicle Year | NUMERIC | 4 | |
| Exception Code | ALPHA-NUMERIC | 30 | |
| Gross Vehicle Weight | NUMERIC | 5 | |
| Gross Combined Weight | NUMERIC | 5 | |
| Expiration Year | NUMERIC | 4 | |
| Odometer | NUMERIC | 6 | |
| Brand | ALPHA-NUMERIC | 6 | |
| Dealer Code | ALPHA-NUMERIC | 10 | |
| Lien Record Flag | | 1 | |
| Title | ALPHA-NUMERIC | 8 | |
| VEIP Inspection Date | ALPHA-NUMERIC | 6 | |
| VEIP Status Code | ALPHA-NUMERIC | 12 | |
| New/Used Code | ALPHA-NUMERIC | 1 | |
| Vehicle from State | ALPHA-NUMERIC | 2 | |
| Hold Flag | NUMERIC | 1 | |
| Replate-Flag | | 1 | |
| Owner DOB | ALPHA-NUMERIC | 10 | |
| Odometer Code | ALPHA-NUMERIC | 1 | |
| Lien Action | ALPHA-NUMERIC | 1 | |
| Lien Contract Date | ALPHA-NUMERIC | 10 | |

| Field Name | Data Type | Length | Notes |
|-------------------------|---------------|--------|-------|
| Lien Maturity Date | ALPHA-NUMERIC | 10 | |
| Lien Release Date | ALPHA-NUMERIC | 10 | |
| Lien Name | ALPHA | 255 | |
| Lien Street 1 | ALPHA-NUMERIC | 255 | |
| Lien Street 2 | ALPHA-NUMERIC | 255 | |
| Lien Unit | ALPHA-NUMERIC | 30 | |
| Lien Unit Type | ALPHA-NUMERIC | 50 | |
| Lien City | ALPHA | 100 | |
| Lien State | ALPHA | 2 | |
| Lien Zip Code | ALPHA-NUMERIC | 9 | |
| Salvage Brand | ALPHA-NUMERIC | 1 | |
| Salvage Stolen | ALPHA-NUMERIC | 1 | |
| Salvage Inspection Code | ALPHA-NUMERIC | 4 | |
| Privacy-Code | ALPHA-NUMERIC | 1 | |

Bulk Vehicle Record – VTBUS935 File

| Field Name | Data Type | Length | Notes |
|--------------------------------|---------------|--------|--|
| Record Code | NUMERIC | 1 | MDOT MVA Issued Company Code |
| Transaction Type | ALPHA-NUMERIC | 12 | |
| Transaction Date | ALPHA-NUMERIC | 10 | |
| Transaction Time | ALPHA-NUMERIC | 8 | |
| Soundex Number | ALPHA-NUMERIC | 13 | |
| Company Indicator | NUMERIC | 1 | “C” for company or blank if individual |
| Owner Last Name | ALPHA | 50 | |
| Owner First Name | ALPHA | 50 | |
| Owner Middle Name | ALPHA | 50 | |
| Owner Suffix | ALPHA | 10 | |
| Co-Owner Last Name | ALPHA | 50 | |
| Co-Owner First Name | ALPHA | 50 | |
| Co-Owner Middle Name | ALPHA | 50 | |
| Co-Owner Suffix | ALPHA | 10 | |
| Street Address 1 | ALPHA-NUMERIC | 255 | |
| Street Address 2 | ALPHA-NUMERIC | 255 | |
| Unit | ALPHA-NUMERIC | 30 | |
| Unit Type | ALPHA-NUMERIC | 50 | |
| City | ALPHA | 100 | |
| County | ALPHA | 6 | |
| State | ALPHA | 2 | |
| Zip Code | NUMERIC | 9 | |
| Owner Mailing Street Address 1 | ALPHA-NUMERIC | 255 | |
| Owner Mailing Street Address 2 | ALPHA-NUMERIC | 255 | |
| Owner Mailing Unit | ALPHA-NUMERIC | 30 | |

| Field Name | Data Type | Length | Notes |
|-------------------------|---------------|--------|-------|
| Owner Mailing Unit Type | ALPHA-NUMERIC | 50 | |
| Owner Mailing City | ALPHA | 100 | |
| Owner Mailing County | ALPHA | 6 | |
| Owner Mailing State | ALPHA | 2 | |
| Owner Mailing Zip Code | NUMERIC | 9 | |
| Tag Number | ALPHA-NUMERIC | 30 | |
| Class | ALPHA-NUMERIC | 12 | |
| VIN | ALPHA-NUMERIC | 19 | |
| Trans Code/Return Brand | ALPHA-NUMERIC | 1 | |
| Make | ALPHA-NUMERIC | 30 | |
| Body Style | ALPHA-NUMERIC | 6 | |
| Expiration Month | NUMERIC | 2 | |
| Vehicle Year | NUMERIC | 4 | |
| Exception Code | ALPHA-NUMERIC | 30 | |
| Gross Vehicle Weight | NUMERIC | 5 | |
| Gross Combined Weight | NUMERIC | 5 | |
| Expiration Year | NUMERIC | 4 | |
| Odometer | NUMERIC | 6 | |
| Brand | ALPHA-NUMERIC | 6 | |
| Dealer Code | ALPHA-NUMERIC | 10 | |
| Action Flag | | 1 | |
| Lien Record Flag | | 1 | |
| Title | ALPHA-NUMERIC | 8 | |
| VEIP Inspection Date | ALPHA-NUMERIC | 6 | |
| VEIP Status Code | ALPHA-NUMERIC | 12 | |
| New/Used Code | ALPHA-NUMERIC | 1 | |
| Vehicle from State | ALPHA-NUMERIC | 2 | |
| Hold Flag | NUMERIC | 1 | |
| Owner DOB | ALPHA-NUMERIC | 10 | |
| Odometer Code | ALPHA-NUMERIC | 1 | |
| Lien Action | ALPHA-NUMERIC | 1 | |
| Lien Contract Date | ALPHA-NUMERIC | 10 | |
| Lien Maturity Date | ALPHA-NUMERIC | 10 | |
| Lien Release Date | ALPHA-NUMERIC | 10 | |
| Lien Name | ALPHA | 255 | |
| Lien Street 1 | ALPHA-NUMERIC | 255 | |
| Lien Street 2 | ALPHA-NUMERIC | 255 | |
| Lien Unit | ALPHA-NUMERIC | 30 | |
| Lien Unit Type | ALPHA-NUMERIC | 50 | |
| Lien City | ALPHA | 100 | |
| Lien State | ALPHA | 2 | |
| Lien Zip Code | ALPHA-NUMERIC | 9 | |
| Salvage Brand | ALPHA-NUMERIC | 1 | |
| Salvage Stolen | ALPHA-NUMERIC | 1 | |

Bulk Vehicle Record – VORS582P5 File

| Field Name | Data Type | Length | Notes |
|-----------------------|---------------|--------|--|
| Record Code | NUMERIC | 1 | MDOT MVA Issued Company Code |
| Transaction Type | ALPHA-NUMERIC | 12 | |
| Transaction Date | ALPHA-NUMERIC | 10 | |
| Transaction Time | ALPHA-NUMERIC | 8 | |
| Soundex Number | ALPHA-NUMERIC | 13 | |
| Company Indicator | NUMERIC | 1 | "C" for company or blank if individual |
| Owner Last Name | ALPHA | 50 | |
| Owner First Name | ALPHA | 50 | |
| Owner Middle Name | ALPHA | 50 | |
| Owner Suffix | ALPHA | 10 | |
| Tag Number | ALPHA-NUMERIC | 30 | |
| Class | ALPHA-NUMERIC | 12 | |
| VIN | ALPHA-NUMERIC | 19 | |
| Make | ALPHA-NUMERIC | 30 | |
| Expiration Month | NUMERIC | 2 | |
| Vehicle Year | NUMERIC | 4 | |
| Exception Code | ALPHA-NUMERIC | 30 | |
| Gross Vehicle Weight | NUMERIC | 5 | |
| Gross Combined Weight | NUMERIC | 5 | |
| Expiration Year | NUMERIC | 4 | |
| Odometer | NUMERIC | 6 | |
| Brand | ALPHA-NUMERIC | 6 | |
| Dealer Code | ALPHA-NUMERIC | 10 | |
| Action Flag | | 1 | |
| Lien Record Flag | | 1 | |
| Title | ALPHA-NUMERIC | 8 | |
| VEIP Inspection Date | ALPHA-NUMERIC | 6 | |
| VEIP Status Code | ALPHA-NUMERIC | 12 | |
| New/Used Code | ALPHA-NUMERIC | 1 | |
| Vehicle from State | ALPHA-NUMERIC | 2 | |
| Hold Flag | NUMERIC | 1 | |
| Owner DOB | ALPHA-NUMERIC | 10 | |
| Odometer Code | ALPHA-NUMERIC | 1 | |
| Lien Action | ALPHA-NUMERIC | 1 | |
| Lien Contract Date | ALPHA-NUMERIC | 10 | |
| Lien Maturity Date | ALPHA-NUMERIC | 10 | |
| Lien Release Date | ALPHA-NUMERIC | 10 | |
| Lien Name | ALPHA | 255 | |
| Lien Street 1 | ALPHA-NUMERIC | 255 | |
| Lien Street 2 | ALPHA-NUMERIC | 255 | |
| Lien Unit | ALPHA-NUMERIC | 30 | |
| Lien Unit Type | ALPHA-NUMERIC | 50 | |
| Lien City | ALPHA | 100 | |

| Field Name | Data Type | Length | Notes |
|----------------|---------------|--------|-------|
| Lien State | ALPHA | 2 | |
| Lien Zip Code | ALPHA-NUMERIC | 9 | |
| Salvage Brand | ALPHA-NUMERIC | 1 | |
| Salvage Stolen | ALPHA-NUMERIC | 1 | |

BULK Code References

Vehicle Record Type Codes

MDOT MVA Vehicle Record Type Codes are described in the table below:

| Vehicle Record Type Code | Description |
|--------------------------|--|
| 1 | Regular license plate |
| 2 | Dealer license plate |
| 3 | Cross-referenced license plate (License plate is cross-referenced to another license plate number) |
| 4 | Returned license plate |
| 5 | N/A (Not applicable or used at this time) |
| 9 | No match |

Vehicle Brand Codes

The BULK system translates the various brand fields in the database when vehicle titles or salvage certificates are generated. In some cases, there may be different interpretations, depending on whether a salvage certificate or a title certificate is generated, which is indicated in the tables below. The brand fields are input by hand and are not edited; therefore, the descriptions may vary. Information will be displayed "as is" if it does not match the predefined set of brand "codes" listed in the chart.

| Odometer Code | Description |
|---------------|---------------------------|
| A | Actual mileage |
| B | Exceeds mechanical limits |
| C | Not actual mileage |
| D | Exempt |

Brand Type Codes

| Value | Title Document |
|--------|----------------|
| BUYBCK | Buy Back |
| FIRE | Fire Damage |
| FLOOD | Flood Damage |
| GLDKIT | Glider Kit |
| HAIL | Hail Damage |

| Value | Title Document |
|--------|---------------------|
| JUNK | Junk |
| KIT | Kit |
| LDTSPD | Limited Speed |
| REBILT | Rebuilt Salvage |
| RECON | Reconstructed |
| REPLCA | Replica |
| SALVAG | Salvage |
| SLVABN | Salvage - Abandoned |
| SLVSTL | Salvage - Stolen |
| VINREP | Vin Replacement |
| XRENTL | Former Rental |
| XSALVG | Prior Salvage |
| XTAXI | Prior Taxi |

Transaction Type Codes

| Value | Value Description |
|--------------|--|
| VhcPltManage | Manage an active registration |
| SvrVhcRegRnw | Renew a vehicle's registration |
| VhcNewReg | A new registration added to an existing vehicle that has no current registration |
| SubSticker | Remake registration card with decal sticker |
| VhcRegInt | A non-manual transaction for new plates and plate transfers from interfaces |
| DuplicateReg | Remake existing vehicle registration |
| VhcTempRgExt | 60 Day Temporary Registration Extension |
| VhcRegRnw | Renew a vehicle's registration |
| IssueIntTag | Issue interchangeable tags for a business |
| VhcTempReg | 15 Day Temporary Registration |
| TtlRegCor | Correct Title and Registration |
| LienMaint | Release, Add or Change a Lien |
| SvrDupTtl | Issue Duplicate Title |
| DuplicateTtl | Issue Duplicate Title / SIF |
| SalvageTitle | Issue a salvage certificate or add a salvage brand to an owner-retained title |
| SvrTempReg60 | Issue a Temporary Registration |
| VhcTempReg60 | 60 Day Temporary Registration |
| InTransitreg | In Transit Registration |
| SvrInTransit | In Transit Registration |
| TitleReg | Title and Register a New Vehicle |
| SvrSalvTitle | Issue a salvage certificate or add a salvage brand to an owner-retained title |
| ErtTtlReg | ERT Cutover Title and Registration |
| ErtStdRnw | ERT Cutover Renewal |
| SvrTitleReg | Title/Registration (Interface) |
| NonResPrm | Non-Resident Permit |
| MISSING | Missing Transaction |
| OOSDupTitle | Vehicle Returned to State |
| PrevOwnPlt | Missing Previous Plate |

| Value | Value Description |
|--------------|---------------------------------------|
| VEIPTempReg | Temporary VEIP Registration |
| SvrManageTOD | Manage Beneficiary (Interface) |
| ManageTOD | Manage Beneficiary Details |
| PrevOwnPlt | Missing Previous Plate |
| RplORVDecal | New or Replacement ORV Decal |
| SrvVhcNewReg | New Registration (Interface) |
| VEIPTempReg | Temporary VEIP Registration |
| VhcFix | Fix Vehicle Record |
| ERT.SUBSTC | Legacy Edit – Substitute Sticker |
| ERT.SUBTAG | Legacy Edit – Substitute Tag |
| ERT.TMPEXT | Legacy Edit – Temporary Tag Extension |
| ERT.TMPTAG | Legacy Edit – Temporary Tag |
| ERT.XFRTAG | Legacy Edit – Transfer Tag |

Flag Type Codes

| Value | Value Description |
|--------------|---|
| ABVBMC | Abandoned Vehicles (Baltimore City) |
| ABVMGC | Abandoned Vehicles (Montgomery County) |
| ABVPGC | Abandoned Vehicles (PG County) |
| ADMFEED | Administrative Fee Due |
| ADMRS | Administrative – Registration Suspension |
| ASEDIS | ASED Inspection Suspended |
| ASEDPU | ASED Tag Pick-Up Order |
| AWTINS | Awaiting Inspection |
| CCUDEF | CCU Payment Plan Defaulted |
| CMVIMH | Commercial Vehicle – Imminent Hazard |
| CMVPRE | CMV – Preventative Maintenance |
| CRTORD | Court Order |
| DIROFF | Director’s Office |
| DSBDTF | Disability – DPS Title File (0069) |
| DSBDUT | Disability – DPS Unit Transporter |
| DSBEXC | Disability – Exceeds Placard / Plate Limit |
| EMNSUS | Registration Suspended for VEIP Requirement |
| FRMCRT | Farm Certification Required |
| ICDDIR | ICD Director’s Office |
| ICDINQ | ICD Inquiry Driving Record |
| ICDPUT | ICD Pick Up Tags |
| INSFLG | Insurance Lapse |
| INSJUD | Insurance Judgement |
| INSSUS | Registration Suspended for Insurance Lapse |
| INVEST | Investigations |
| JURSUS | Jurisdictional Suspension |
| JURVIO | Jurisdictional Violation |
| LEAREF | LEA Referral |
| LIENDS | Lien Discrepancy |

| Value | Value Description |
|--------|--|
| LIEREA | Lien Release |
| ORGREG | Organization Registration |
| OWNRTN | Owner Retention – Awaiting Inspection |
| PUBCOM | Public Service Commission |
| PUBSUS | Public Service Commission (Suspended) |
| RESADR | Residential Street Address Required |
| RTNPYG | Guaranteed Funds Required |
| RTNPYM | Payment Returned |
| SAVUNI | Salvage Unit |
| SBOOSN | School Bus – Out of Service / No Passengers School Bus |
| SEROPU | Safety Equipment Repairs – Pick Up Order (SERO) |
| SERSUS | Registration Suspended for SERO |

Vehicle Class Codes

| Value | Value Description |
|-------|--|
| A | Passenger |
| B | Vehicle For Hire |
| C | Funeral Vehicle (Flower Coach, Funeral Service Wagon, Limo) & Ambulances |
| D | Motorcycle |
| E | Truck |
| EFT | Farm Truck |
| EMG | Emergency Vehicle |
| EPD | Dump Truck |
| F | Tractor or Truck Tractor |
| FF | Farm Truck Tractor |
| G | Trailer or Semi-Trailer |
| GF | Farm Trailer |
| H | School Vehicle |
| I | Charter Bus |
| J | Van Pool |
| K | Farm Area Vehicle or Island Vehicle |
| L | Historic Vehicle |
| LAW | Police Department Vehicle |
| LIM | Limited Speed Vehicle |
| M | Multipurpose Vehicle |
| MCS | Local / State Government Special Equipment |
| MH | Manufactured Home |
| N | Street Rod |
| OR | Off-Road Vehicle |
| P | Passenger Bus |
| Q | Limousines Under 35 Feet for Hire |
| R | Low-Speed Vehicle |
| T | Tow Truck and Rollback |

Exception Codes

| Value | Value Description |
|-------|--------------------------------------|
| 1X | 1 Axle Dump Trucks |
| 1XF | 1 Axle Farm Trucks |
| 1XL | 1 Axle Logging Trucks |
| 2X | 2 Axle Dump Trucks |
| 2XF | 2 Axle Farm Trucks |
| 2XL | 2 Axle Logging Trucks |
| 3X | 3 Axle Dump Trucks |
| 3XF | 3 Axle Farm Trucks |
| 3XL | 3 Axle Logging Trucks |
| 4X | 4 Axle Dump Trucks |
| 4XF | 4 Axle Farm Trucks |
| 4XL | 4 Axle Logging Trucks |
| 5X | 5 Axle Dump Trucks |
| 5XF | 5 Axle Farm Trucks |
| 5XL | 5 Axle Logging Trucks |
| 6X | 6 Axle Dump Trucks |
| 6XF | 6 Axle Farm Trucks |
| 6XL | 6 Axle Logging Trucks |
| A | Autocycle |
| ATV | ATV ORV |
| DRT | Dirt Bike ORV |
| F | Farm Tractor |
| FRM | Farm Area |
| HDS | Head Start Vehicle |
| ISL | Island Vehicle |
| JT | Joint Tenants |
| L | Logging Tractor |
| MOP | Moped ORV |
| MOT | Motor scooter ORV |
| N/A | N/A |
| NAI | Needs Annual Inspection |
| nnP | Number of Passengers on Buses |
| O26 | Class T over 26k GVW |
| R | Low-Speed Vehicle |
| SNO | Snowmobile ORV |
| SP | ½ or ¾ TON Truck with 2 Year Sticker |
| TBE | Tenants by Entirety |
| U26 | Class T under 26k GVW |
| UTV | UTV ORV |

County Codes

| Value | Description |
|-------|------------------------|
| MD001 | Allegany County |
| MD003 | Anne Arundel County |
| MD005 | Baltimore |
| MD009 | Calvert County |
| MD011 | Caroline County |
| MD013 | Carroll County |
| MD015 | Cecil County |
| MD017 | Charles County |
| MD019 | Dorchester County |
| MD021 | Frederick County |
| MD023 | Garrett County |
| MD025 | Harford County |
| MD027 | Howard County |
| MD029 | Kent County |
| MD031 | Montgomery County |
| MD033 | Prince George's County |
| MD035 | Queen Anne's County |
| MD037 | St. Mary's County |
| MD039 | Somerset County |
| MD041 | Talbot County |
| MD043 | Washington County |
| MD045 | Wicomico County |
| MD047 | Worcester County |
| MD510 | Baltimore City |

License Class Codes

| Value | Value Description |
|-------|---|
| A | Any Class A License or Permit |
| AM | Class A & Motorcycle License |
| B | Any Class B License or Permit |
| BM | Class B & Motorcycle License |
| C | Any Class C License or Permit |
| CM | Class C & Motorcycle License |
| I | State ID |
| K | Moped Permit |
| M | Non-Commercial Class M |
| XA | Commercial Class A License or Permit |
| YA | Commercial Class A & Motorcycle License |
| XB | Commercial Class B License or Permit |
| YB | Commercial Class B & Motorcycle License |
| XC | Commercial Class C License or Permit |
| YC | Commercial Class C & Motorcycle License |