MDOT MVA Driver Batch Monitoring (DBM) Integration Guide

API Specification

Version 1.6

NIC Maryland

in partnership with

the MDOT Maryland Motor Vehicle Administration

200 Westgate Circle, Suite 402

Annapolis, MD 21401

P: (410) 990-1090

F: (800) 861-0218

mdhelp@egov.com

Last updated: November 2021

Contents

Maryland Driver Batch Monitoring (DBM) Integration Guide 4

What's Changed? 4

Introduction 4

DBM REST API Service Overview 4

Program Guidelines 5

Driver Monitoring Submissions 5

Violation Codes 5

Charges and Billing 6

Anniversary Date for Monitored Drivers 6

Driver Record Types and Frequency 6

DBM Program Support 6

Discontinuing Participation in the DBM Program 7

HTTPS Method 7

Authentication 7

HTTPS Request Format 7

HTTPS Service Standard Response and Error Codes 8

Submitting Records 8

Submission Types 9

Driver Action Errors 16

Validation Errors 16

Retrieving A List of Monitored Drivers 17

Retrieving Monitored Driver Record Results 19

DBM Result Records and Files 22

Filenames: 22

Filename Examples: 22

File Contents and Layout: 25

License Type Codes 37

Restriction Codes 37

License Class Codes 39

Race Codes 39

County Codes 39

Accident Severity Codes 40

License Doc Types 40
Sex Codes 40

Maryland Driver Batch Monitoring (DBM) Integration Guide

What's Changed?

1. Updates to Retrieve Enrolled Driver Response – See Pages 17-18
2. Updates to Addendum A –
    - Driver Response Codes
    - License Doc Types
    - Sex Codes
    - County Codes
    - Race Codes
    - Restriction Codes
    - Accident Codes
    - Accident Severity Codes
    - License Class Codes
    - License Type Codes
3. Addition of PBJ Code Description in PBJ Complete Record Response
4. Revision of Driver License Number to Customer ID
5. Result File Contents are now JSON formatted.

Introduction

The Driver Batch Monitoring (DBM) service, facilitated by NIC Maryland, provides methods to securely monitor and receive driver record updates for a list of monitored drivers from the Maryland Department of Transportation Maryland Motor Vehicle Administration (MDOT MVA).

To be approved to use this service, users must be authorized within the scope of the Federal Driver Privacy Protection Act (DPPA) and approved by the MDOT MVA. Approved customers can enroll and manage a list of drivers to be monitored and receive updates when violation information changes for a monitored driver.

DBM REST API Service Overview

The Driver Batch Monitoring (DBM) REST API Service provides a secure, automated method of exchanging requests and data related to driver license monitoring. This method follows the industry standard for secure request and transmission of driver record requests. This API permits customers to perform the following through secure integration:

- Submit Add, delete, or edit monitored driver licenses.
- Receive annual driver license records and driver record updates, alerts, and errors

The DBM web service utilizes HTTPS transport encryption to protect the exchange of information between the customer and the server. The customer passes their username and password as parameters in each service call to the DBM service for the purpose of authentication.

Once subscribed to the REST API service, the customer uses API integration methods indicating drivers to be monitored. Each night, the system inspects the monitored drivers and provides results back to the customer containing either change records for the monitored driver records or the complete record depending on preferences established during enrollment. The results are sent daily, weekly, or monthly, depending on customer preferences established during enrollment.

Customers can submit an "Add/Change/Delete" request on weekdays. Customer IDs submitted with an "Add" indicator will return a complete driving record that will be produced overnight. Customer IDs submitted with a "Delete" indicator will be removed from monitoring for that customer.

Note: Customers who have already established Customer IDs for monitoring through the MVA will not need to resubmit the license numbers.

New Customer IDs added will be matched against the MVA's records based on key fields: Driver License Number, Maryland ID, FEIN and Date of Birth. Records that do not match these keys will be rejected and the customer will receive an error response for that Customer ID.

Drivers will be processed Monday through Friday, nightly between the hours of 6:00 PM ET and 7:00 AM ET. Any actions sent via the interface after 6:00 PM ET will be processed the following business day. As with the existing MDOT MVA system, this system may be unavailable to process search requests during maintenance windows. Once processed, confirmation emails will be sent to customers advising records are ready to retrieve.

Maintenance Windows

Current maintenance windows where the application may not be available include:

- Nightly: 12:00am – 12:30 AM EST
- Sunday: 6:00am – 11:00 AM EST
- The second Saturday of every month from 11:00pm until 5:00 AM EST
- Tuesday and Thursday 5:00 PM EST

Program Guidelines

Driver Monitoring Submissions

DBM Add/Change/Delete submissions must occur no later than 6:00 P.M. EST any Monday – Friday, excluding Federal and State holidays. Initial Complete Records will be processed Tuesday – Saturday and will be available after 7:00am EST. Updates to driver data will occur based on customer preference and account settings. Only Maryland issued Customer IDs may be accessed.

Violation Codes

Violation codes included in the DBM program are related to suspensions, withdrawals, cancellations, revocations, restrictions and moving violations. In the event MVA creates, deletes, or modifies a violation code, update records will be produced. If a subscriber has opted to receive 3-year/complete records, ALL driving record entries (within the rolling 3-year time span (or complete, if applicable)) will appear in the resulting record regardless of whether the violation codes are included in the DBM monitoring program or not. If a subscriber opts to receive partial record

updates (a.k.a. driving-record entry updates), only those entries attached to a violation code included in the DBM program will be sent to the customer.

Charges and Billing

A 36-month (3-year) driving record, a complete driving record, and a Probation Before Judgment (PBJ) record produced via DBM are each considered non-certified copies and for non-government entities, and, as such, bear a cost of $12.00/record. A driving record entry update or a PBJ record entry update is considered a partial record update and is priced accordingly at $0.08/record. There are no minimum fees. Invoices are generated and mailed/e-mailed to customers at the beginning of each month for the previous month's transactions. Payment is due upon receipt of the monthly invoice. Interruption to service occurs if payment is not received by NIC Maryland within 20 days of the date of the invoice. If payment is received following a termination, NIC Maryland determines eligibility for reinstatement.

Anniversary Date for Monitored Drivers

When a new Customer ID is added to the monitoring program, the *Customer ID enrollment date* is considered the anniversary date for that monitored driver. *For all Customer IDs enrolled prior to May 21, 2019, the company enrollment date into the MDOT MVA program will remain the anniversary date.*

Upon receipt of a new Customer ID submitted for monitoring, the system will return a complete driving record. Subsequently, on the enrollment anniversary date of each Customer ID, the Driver License Number, Maryland ID and/or FEIN(s) being monitored will cause the generation of a complete driving record.

Driver Record Types and Frequency

Record Type	Description	Frequency
Complete	Contains full history for the driver as well as any PBJ or MedCert information available.	Upon enrollment and anniversary date
36-month (3-year)	Contains 3-year history of driver data	Upon enrollment and anniversary date
Probation Before Judgement (PBJ)(Partial)	Updates to any Probation Before Judgement information added to the driver record	Daily, weekly, monthly (depending on customer setup preference)
Medical Certification (Partial)	Updates to any Medical Certification information added to the driver record	Daily, weekly, monthly (depending on customer setup preference)

DBM Program Support

To report a technical problem, error message, or billing inquiries, please call the NIC Maryland Help Desk at (888) 4MD-HELP, or via email at mdhelp@egov.com and explain the nature of the problem. The support staff will request information from you and will work with you to resolve the issue.

Discontinuing Participation in the DBM Program

Customers who no longer wish to participate in the DBM program must notify NIC Maryland, in writing, of their intentions to discontinue participation. The contract may be discontinued by either party with a thirty (30) day notice in writing.

Endpoints

Production: REST API is located at: https://egov.maryland.gov/mva/dbm/rest/v1/*FunctionName*

Test: REST API is located at https://stage.egov.maryland.gov/mva/dbm/rest/v1/FunctionName

> Note:
> The test environment will return only fictitious driver and vehicle records. Customers will not be charged for transactions conducted against the test system. Customers will need to contact NIC Maryland's Technical Support team for credentials to access the test environment.
>
> The test and production DBM systems will be maintained in a manner that ensures consistency between the service interfaces. Accordingly, integration code developed against the test system will function correctly when pointed towards the production service endpoint address.

HTTPS Method

Authentication

Basic authentication is used over HTTPS, within each request header in accordance with RFC 7235 (https://httpwg.org/specs/rfc7235.html). Unauthenticated or unauthorized users will return: Status Code **409 (Not Authorized).** The DBM integration only allows for the HTTPS POST method. Other methods will return a **405 (Method Not Allowed).**

HTTPS Request Format

All requests are required to be formatted as JSON. For **example, {"CompanyCode":"0123M"}. This is contr**olled via the Content-Type request header.

Request Body Format:

- JSON: application/json; charset=utf-8

The following HTTP Request Header parameters are required and/or highly encouraged:

Parameter	Description	Req?	Example
Authorization	Basic [base64 content]	Yes	
Accept-Encoding	gzip, deflate	No	
Content-Type	JSON format	No	Application/ json; charset=utf=8
Accept	Application/json	No	

Table 1: HTTP Request Headers

HTTPS Service Standard Response and Error Codes

JSON is the utilized response type due to its smaller content length and broad acceptance. It is also the default type if the request received does not have the **Accept** header.

Response Body Format:

- **JSON**: application/json; charset=utf-8

The below table lists the HTTP Status codes returned from the API service and possible causes:

Status Code	Description	Causes / Reasons
200	Ok	
400	Bad Request	• Request validation failed • Missing or invalid JSON property or value • See ValidationErrors parameter
401	Unauthorized	• Invalid or missing Authorization header • Invalid UserName or Password
404	Not Found	• **Content-Length = 0:** The request attempted to connect to an invalid address or resource. • **Content-Length > 0:** The REST API method did not find any items requested by the method.
405	Method Not Allowed	The request method was not a **POST**
500	Internal Server Error	An unexpected error occurred on the server

Table 2: HTTPStatus codes

Submitting Records

The DBM web service interface consists of 3 service methods which are used to manage the roster of monitored Customer IDs. A submission can consist of one or more of the submission types to administer a driver enrollment in the program. Submission types are outlined below and examples of each are in the below submission examples.

Table 3

Functionality Name	Description	Function Name
Submit Input File (Legacy)	Allows legacy customers to quickly transition to the REST API using the same file layout as previously offered. This may be deprecated in a future release. It is strongly encouraged to migrate to the new "Submit" method below.	Submitinputfile
Submit driver additions, changes, and deletions.	A singular function to submit multiple drivers to be managed. It accepts an array of drivers and includes a submission type to be performed on each driver.	Submit
Cancel Submission	Cancels any prior Add, Change, or Delete request submitted, per driver. This is used to rollback any driver submitted in error before it is processed by MDOT MVA.	CancelSubmissions

Please note the submission *type* indicates the action to be taken for the Driver Record. 'SubmissionType' in the XML tag indicates whether to apply an Add, Delete or Change to the monitored record.

All requests must contain the Company Code provided by MDOT MVA. If your organization has multiple Company Codes, drivers will only be submitted with the company code you provide. If an incorrect Company Code is provided or doesn't reconcile with a specified driver, the response will contain an error code.

Below are the formats, fields, and explanations of those fields to use when performing these activities.

Note:

- Missing, blank or invalid Company Code will return HTTP Status Code **400 (Bad Request)**
- If this function is called multiple times prior to processing, current driver lists waiting to be processed by MDOT MVA will be overwritten.
- Any new entries will be added to the list of drivers pending to be processed by MDOT MVA.
- Drivers submitted after the daily cut-off time will be processed and delivered the next business day.
- To cancel a submission, use *CancelChanges* API method (see below for example). Canceling is not available after MDOT MVA starts processing the driver.

Submission Types

Submission Types and examples of each function format are provided below. A submission may contain multiple submission types for the same company. Each submission type is expected to contain the company code and then list the Customer IDs and actions to be taken.

Submission Type	Description
Add	Allows one or more driver licenses to be added for monitoring
Change	Utilized when converting a driver license to now be CDL or to no longer be CDL. Also used to enable or disable receiving of annual records.
Delete	Customer IDs submitted with a "Delete" indicator will be removed from monitoring

*Submission examples and types are provided below.

SubmitInputFile

Test Location: https://stage.egov.maryland.gov/mva/dbm/rest/v1/submitinputfile
Location: https://egov.maryland.gov/mva/dbm/rest/v1/submitinputfile

Allows legacy customers to quickly transition to the REST API using the same file layout as previously offered. This may be deprecated in a future release. It is strongly encouraged to migrate to the new "Submit" method below.

SubmitInputFile Request Example:

```
{
  "CompanyCode": "000M",
  "FileContents": "
         C1234567890011980-07-01AYN
         C1234567890021985-06-20ANY
         C1234567890031965-12-18ANY
         C1234567890041978-09-05DNY
         C1234567890051980-07-01CYN"
```

```
}
```

SubmitInputFile Request Properties:

Property Name	Data Type	Format	Length
CompanyCode	ALPHA-NUMERIC	XXXX	4
FileContents	STRING (See Table 4)	A999999999999YYYY-MM-DDXX	25
			29 Positions

Table 4: SubmitInputFile Submission Request Properties

SubmitInputFile FileContents Format:

Parameter	Data Type	Format	Length
Customer ID (Driver License Numbers, Maryland ID)	ALPHA-NUMERIC	A999999999999	13
Date of Birth	DATE	YYYY-MM-DDXX	10
Transaction Type	ALPHA	A = Add C = Change D = Delete	1
CDL Indicator	ALPHA	Y = Yes (CDL) N = No (Non-CDL)	1
Anniversary Indicator	APLHA	Y = Yes N = No (Required for CDL)	1
			26 Positions

Table 5: SubmitInputFile FileContents Submission Request Format

SubmitInputFile Response Example :

```
{
  "FailCount": 2,
  "SuccessCount": 2,
  "HttpStatus": 200,
  "IsSuccess": true,
  "FailureReason": "",
  "Warnings": [],
  "ValidationErrors": [],
  "ResponseData": [
    {
      "Index": 0,
      "CustomerID": "C123456789002",
      "Success": true,
      "FailReason": "",
      "Warning": ""
    },
    {
      "Index": 1,
      "Customer ID": "C123456789011",
      "Success": true,
      "FailReason": "",
      "Warning": ""
    }
  ]
}
```

SubmitInputFile Response Properties

Property Name	Description	Data Type	Format
FailCount	Number of submitted driver license(s) that failed validation	NUMERIC	FailCount": 2
SuccessCount	Number of submitted driver license(s) that passed validation	NUMERIC	SuccessCount": 2
HttpStatus	See Table 3 for values	NUMERIC	HttpStatus": 200
IsSuccess	True when the HttpStatus Code is 200	BOOLEAN	IsSuccess": true
Warnings	Lists driver licenses that are duplicates. Each warning contains the license number and a list of zero-based locations of the duplicates.	STRING	"Warnings": ["Duplicate license number: C123456789002, Index locations: 0,3"]
ValidationErrors	For each Customer ID, lists the reason for failing validation. Returns HttpStatus Code 400	STRING (See Table 9)	ValidationErrors": []
ResponseData	Lists the results of each driver's submission	ARRAY (See Table 7)	ResponseData":

Table 6: SubmitInputFile Response properties

ResponseData Properties

Property Name	Description	Data Type	Format
Index	Zero-based index of the submitted driver license. Used by the Warnings section to identify the driver license or line item.	NUMERIC	"Index": 0
Customer ID	The Driver License Number or Maryland ID	STRING	"C123456789002" "MD00000000000" "12345679"
Success	True = Success False - Failure	BOOLEAN	"Success": true
FailReason	Short description of the failure such as "Duplicate"	STRING	"FailReason": ""
Warning	Displays any warning associated with this driver license	STRING (See Table 8)	"Warning":""

Table 7: ResponseData properties

Submit

Stage Location: https://stage.egov.maryland.gov/mva/dbm/rest/v1/submit
Location: https://egov.maryland.gov/mva/dbm/rest/v1/submit

A singular function to upload multiple drivers to be monitored. It accepts an array of drivers and includes a submission type to be performed on each driver.

Submit Request Example:

```
{
  "CompanyCode": "034M",
  "Drivers": [
    {
      "CustomerID": "C123456789001",
      "DateofBirth": "1999-10-23T00:00:00",
      "MonitorAsCdl": true,
      “AnniversaryEnabled”:true,
      "SubmissionType": "Change"
    },
    {
      "CustomerID": "C123456789003",
      "DateofBirth": "1985-10-23T00:00:00",
      "MonitorAsCdl": true,
      “AnniversaryEnabled”:true,
      "SubmissionType": "Delete"
    }
  ]
}
```

Table 8

Property Name	Data Type	Max Length	Description
CompanyCode	String	4	4-character code provided by MVA.
Drivers	Driver		An array of drivers you wish to submit to MVA.
Driver.Customer ID	String	13	DLN: 1 Letter followed by 12 numbers. MD ID: 2 letters follows by 11 numbers FEIN: 9 numbers
Driver.DateOfBirth	DateTime (Formatted as String)	30	Recommend ISO-8601 format. Time and time zone information is ignored and only the date portion is used.
Driver.MonitorAsCdl	Boolean		Set this to true if this driver is to be monitored as CDL; otherwise false.
Driver.AnniversaryEnabled	String	1	Y = Yes N = No (Required for CDL)
Driver.SubmissionType	String	10	Submission Type to be performed on this driver. • **Add** – Adds the driver to the list to be monitored. • **Change** – Toggles the MonitorAsCdl value from true to false or vice versa. • **Delete** – Removes the driver from your list to be monitored.

Table 9

Submit Response Example:


```
{
  "FailCount": 2,
  "SuccessCount": 2,
  "HttpStatus": 200,
  "IsSuccess": true,
  "FailureReason": "",
  "Warnings": [],
  "ValidationErrors": [],
  "ResponseData": [
    {
      "Index": 0,
      "CustomerID": "C123456789002",
      "Success": true,
      "FailReason": "",
      "Warning": ""
    },
    {
      "Index": 1,
      "CustomerID": "C123456789011",
      "Success": true,
      "FailReason": "",
      "Warning": ""
    }
  ]
}
```


Table 10

Property Name	Data Type	Description
FailCount	Integer	Number of submitted drivers that failed to save. Reasons will be provided for each driver.
SuccessCount	Integer	Number of submitted drivers that were saved successfully.
Warnings	String array	Lists drivers that were duplicated in your request. Each warning contains the license number and a list of zero-based locations of the duplicates. Example: `"Warnings": ["Duplicate license number: C123456789002, Index locations: 0,3"],`
ValidationErrors	String array	Lists each driver's reason for failing validation. Reasons may include missing fields and missing or invalid values.
ResponseData	Result array.	Lists the results of each driver's submission

Result.Index	Integer	Zero-based index of the submitted driver. Used by the Warnings section to identify the driver.
Result.CustomerID	String	The license number submitted.
Result.Success	Boolean	
Result.FailReason	String	Short description of the failure such as “Duplicate”
Result.Warning	String	Displays any warning associated with this driver. Normally blank.

CancelSubmissions

Stage Location: https://stage.egov.maryland.gov/mva/dbm/rest/v1/CancelSubmissions
Location: https://egov.maryland.gov/mva/dbm/rest/v1/CancelSubmissions

Cancels any prior Add, Change, or Delete request submitted, per driver. This is used to rollback any driver submitted in error before it is processed by MDOT MVA.

Table 11

Cancel Submissions Request Example:

```
{
  "CompanyCode": "034M",
  "Drivers": ["C123456789001", "C123456789003"]
}
```

Table 12

Property Name	Data Type	Max Length	Description
CompanyCode	String	4	4-character code provided by MVA.
Drivers	String array	13 char (each item)	An array of license numbers, Maryland IDs and/or FEINs you wish to cancel.

Table 13

Cancel Submissions Response Example:

```
{
  "FailCount": 0,
  "SuccessCount": 2,
  "HttpStatus": 200,
  "IsSuccess": true,
  "FailureReason": "",
  "Warnings": [],
  "ValidationErrors": [],
  "ResponseData": [
    {
      "Index": 0,
      "CustomerID": "C123456789001",
      "Success": true,
      "FailReason": ""
    },
```

```
    {
      "Index": 1,
      "CustomerID": "C123456789003",
      "Success": true,
      "FailReason": ""
    }
  ]
}
```


Table 14

Property Name	Data Type	Description
FailCount	Integer	Number of submitted drivers that failed to be save. Reasons will be provided for each driver.
SuccessCount	Integer	Number of submitted drivers that were saved successfully.
Warnings	String array	Lists drivers that were duplicated in your request. Each warning contains the license number and contains a list of zero-based locations of the duplicates. For example, the License Number at index 0 is duplicated by indexes 3 and 8. `"Warnings": ["Duplicate license number: C123456789002, Index locations: 0,3,8"],`
ValidationErrors	String array	Lists each failed driver's reason for failing validation. Reasons may include missing or invalid fields and values.
ResponseData	Result array	Lists the results of each driver's submission
Result.Index	Integer	Zero-based index of the submitted driver. Used by the Warnings section to identify the driver.
Result.CustomerID	String	The license number, Maryland ID or FEIN submitted.
Result.Success	Boolean	
Result.FailReason	String	Short description of the failure such as "Duplicate"
Result.Warning	String	The operation was considered successful but has a warning that should be noted or fixed.

Validation Errors:

- An array or list of drivers is required.
- C1234567890xxxx01: Driver License Number must start with a letter and followed by 12 numbers. Maryland ID must start with MD followed by 11 numbers. FEIN is 9 numbers.

Warnings and Failures per driver license number:

Table 15

Description	Success	Warning or Failure
Nothing to cancel. This driver could not be found in our system.	True	Warning
Nothing to cancel. There is no pending change request for this driver.	True	Warning
A change request for this driver is already in progress by MVA.	False	Failure
Unexpected error trying to update this driver.	False	Failure

Driver Action Errors

Errors may occur when submitting drivers for monitoring. Below is a lists of driver action submission errors. If you need assistance with an error received, please contact the NIC Maryland Help Desk at mdhelp@egov.com or (888) 9MD-EGOV and explain the nature of the problem. The support staff will request information from you and will work with you to resolve the issue.

Driver Action Errors

Description
Unexpected error trying to update this driver license
This line is an exact duplicate and will not be processed
A change request for this driver license is already in progress by MDOT MVA
Duplicate CustomerID: C123456789005, Index locations: N1, N2, N3,
Nothing to cancel. This driver could not be found in our system.
Nothing to cancel. There is no pending change request for this driver.

Table 16: Response Warning properties

Validation Errors

Errors will occur when expectations are not met or correct for specific field values. Please see below for a list of validation errors that may occur when processing drivers for monitoring. If you need assistance with an error received, please contact the NIC Maryland Help Desk at mdhelp@egov.com or (888) 9MD-EGOV and explain the nature of the problem. The support staff will request information from you and will work with you to resolve the issue.

Field Validation Errors

Parameter	Description
FileContents	File content is empty and will not be processed
FileContents	The length of each line must be 25 characters
File Contents	An array or list of drivers is required
Customer ID	Driver License Number must start with a letter and followed by 12 numbers, Maryland ID must start with MD followed by 11 numbers, FEIN must be 9 numbers
Customer ID	The Customer ID is a duplicate with conflicting values
Customer ID	The CustomerID property is missing or invalid
Date of Birth	DOB is invalid or missing
Date of Birth	DOB does not match the pattern YYYY-MM-DD
Date of Birth	DOB must be between 1900-01-01 and the current date
Submission Type	Invalid submission type
CDL Indicator	Invalid CDL Flag
CDL Indicator	The MonitorAsCdl property is required

Parameter	Description
Anniversary Indicator	The AnniversaryEnabled property is required.
Anniversary Indicator	Invalid Anniversary Enabled Flag
	A change request for this driver is already in progress by MDOT MVA
	Unexpected error trying to update this driver

Table 17: Response ValidationErrors values

Retrieving A List of Monitored Drivers

The DBM web service interface includes a service method which is used to retrieve a list of enrolled driver license(s).
Retrieve Enrolled Driver Licenses: Returns list current and pending drivers enrolled for monitoring

Below are the formats, fields and explanations of those fields to use when performing these activities.

Functionality	Description	Function Name
Retrieve Enrolled Driver Licenses	Returns list current and pending drivers enrolled for monitoring	retrieveenrolleddrivers

Request:

RetrieveEnrolledDrivers Request Example:

```
{ "CompanyCode": "034M" }
```

RetrieveEnrolledDrivers Request Properties:

Property Name	Data Type	Format	Length
CompanyCode	ALPHA-NUMERIC	XXXX	4

Table 18: RetrieveEnrolledDrivers Request properties

RetrieveEnrolledDrivers Response Example:

```
{
  "HttpStatus": 200,
  "IsSuccess": true,
  "FailureReason": "",
  "Warnings": [],
  "ValidationErrors": [],

  "ResponseData": [

    {
      "CustomerID": "D249000010000",
      "FullName": "Doe Doe",
      "DateofBirth": "2010-11-01T00:00:00.000",
      "MonitorAsCdl": true,
         “AnniversaryEnabled”:true,
      "DateEnrolled": "2020-02-02T00:00:00.000",
      "Status": "Active"
```

```
    }
    ,{
      "DriverLicenseNumber": "D249000060000",
      "FullName": "Jane Doe",
      "DateofBirth": "1983-08-01T00:00:00.000",
      "MonitorAsCdl": true,
         “AnniversaryEnabled”:true,
      "DateEnrolled": "2020-03-29T00:00:00.000",
      "Status": "Pending Addition"
    }
] }
```


Retrieve EnrolledDrivers Response Properties

Parameter	Description	Data Type	Example
HttpStatus	200 = Success See Table 3 for Failure values	NUMERIC	“HttpStatus": 200
IsSuccess	True when the HttpStatus code is 200	BOOLEAN	"IsSuccess": true
FailureReason	Provides the reason for any failure	STRING	"FailureReason": ""
Warnings	Provides a list of warnings associated with the request. The response may still be successful. Warnings are typically associated with a single item in the request.	STRING ARRAY	"Warnings": ["Duplicate license n umber: C123456789002, Index l ocations: 0,3"]
ValidationErrors	Lists each validation failure. Validation failures of any kind will fail the entire request and will return an HttpStatus of 400 (Bad Request). All validation errors must be corrected before the request is fulfilled.	STRING ARRAY	ValidationErrors": []
ResponseData	Contains the result of the request. This property may return an array of results.	STRING ARRAY	ResponseData": varies

Table 19: Retrieve EnrolledDrivers Response properties

Retrieve EnrolledDrivers ResponseData Properties:

Property Name	Description	Data Type	Format
CustomerID		STRING	
Full Name		STRING	255 characters
DateOfBirth		DATE	YYYY-MM-DDTHH:MM:SS
MonitorAsCdl	Y = Yes (CDL) N = No (Non-CDL)	ALPHA	13 characters
DateEnrolled	If available, the date this driver was enrolled for monitoring. May be blank	DATE	YYYY-MM-DDTHH:MM:SS
Status	Current status of the driver license being monitored (See Table 15 for values)	STRING	

Table 20: Retrieve EnrolledDrivers ResponseData properties

ResponseData Status Descriptions:

Status	Description
Active	CustomerID is currently being monitored in the DBM program
Pending Addition	Waiting for MVA to process this addition. The customer is allowed to change or cancel this record up to the daily submission cutoff time.
Pending Change	Waiting for MVA to process this change. The customer is allowed to change or cancel this record up to the daily submission cutoff time.
Pending Deletion	Waiting for MVA to process this deletion. The customer is allowed to change or cancel this record up to the daily submission cutoff time.
Addition InProgress	The MVA has received and is in process of adding this driver. The customer cannot change or cancel this record.
Change InProgress	The MVA has received and is in process of changing this driver. The customer cannot change or cancel this record.
Deletion InProgress	The MVA has received and is in process of removing this driver. The customer cannot change or cancel this record.

Retrieving Monitored Driver Record Results

The DBM web service interface consists of two service methods which are used to retrieve monitored driver record updates.

- **Retrieve Latest Results:** Returns the latest set of results delivered by MDOT MVA
- **Retrieve Results by Date Range:** Retrieves a list of result files and contents within the given date range.

Below are the formats, fields and explanations of those fields to use when performing these activities.

Functionality	Description	Function Name
Retrieve Results by Date Range	Retrieves a list of result files and contents within the given date range. Only results received within 30 days are available.	retrieveresultsbydaterange
Retrieve Latest Results	Returns the latest set of results delivered by MDOT MVA	retrievelatestresults

RetrieveResultsByDateRange

Stage Location: https://stage.egov.maryland.gov/mva/dbm/rest/v1/RetrieveResultsByDateRange
Location: https://egov.maryland.gov/mva/dbm/rest/v1/RetrieveResultsByDateRange

Retrieves a list of result files and contents within the given date range. Only results received within 30 days are available.

RetrieveResultsByDateRange Request Example:

```
{
  "CompanyCode": "034M",
  "StartDate": "2019-11-01T05:00:00",
  "EndDate":   "2019-11-15T06:00:00"
}
```

Retrieve Results By Date Range Request Properties

Property Name	Data Type	Format	Max Value
StartDate	ISO 8601 DATE	YYYY-MM-DDThh:mmTZD	30 days prior to current date
End Date	ISO 8601 DATE	YYYY-MM-DDThh:mmTZD	Current date

RetrieveResultsByDateRange Response Example:


```
 {
  "HttpStatus": 200,
  "IsSuccess": true,
  "FailureReason": "",
  "ValidationErrors": [
  ],
  "Warnings": [
  ],
  "ResponseData": [
    {
      "FileName": "OUT-FTPLIS10-034M",
      "Description": "Initial Complete Records File",
      "DeliveredDate": "2021-10-27T07:27:24.653",
      "Contents":
"{\"CompanyCode\":\"034M\",\"DriverRecord\":[{\"InitialRecord\":false,\"CustomerID\":\"[tru
ncated]":null}]}"
    },

    {
      "FileName": "OUT-PBJLIS10-034M",
      "Description": "Initial PBJ Records File",
      "DeliveredDate": "2021-10-27T07:28:44.147",
      "Contents":
"{\"CompanyCode\":\"034M\",\"DriverRecord\":[{\"InitialRecord\":false,\"CustomerID\":\"[tru
ncated]":null}]}"

    }
   ]
}
```


Retrieve Results Response Properties

Parameter	Description	Data Type	Example
HttpStatus	200 = Success See Table 3 for Failure values	NUMERIC	“HttpStatus": 200
IsSuccess	True when the HttpStatus code is 200	BOOLEAN	"IsSuccess": true
FailureReason	Provides the reason for any failure	STRING	"FailureReason": ""
Warnings	Provides a list of warnings associated with the request. The response may still be successful. Warnings are typically associated with a single item in the request.	STRING ARRAY	"Warnings": ["Duplicate license n umber: C123456789002, Index l ocations: 0,3"]
ValidationErrors	Lists each validation failure. Validation failures of any kind will fail the entire request and will return an HttpStatus of 400 (Bad Request). All validation errors must be corrected before the request is fulfilled.	STRING ARRAY	ValidationErrors": []

Parameter	Description	Data Type	Example
ResponseData	Contains the result of the request. This property may return an array of results.	File Information Array	ResponseData[]

Table 22: Retrieve Results response properties

Retrieve Results ResponseData Properties

Property Name	Description	Data Type	Format
FileName	Filename with MDOT MVA Company Code	STRING	See FileNames and Appendix A
Description	Describes the purpose or contents of the file	STRING	See FileNames and Appendix A
DeliveredDate	Date and time the file was delivered	ISO 8601 DATE	YYYY-MM-DDTHH:MM:SS
Contents	The actual contents of the driving record in plain text.	STRING	Varies Except for error records, the content will be a JSON string representation of the record.

Table 23: Retrieve Results ResponseData properties

RetrieveLatestResults

Stage Location: https://stage.egov.maryland.gov/mva/dbm/rest/v1/RetrieveLatestResults
Location: https://egov.maryland.gov/mva/dbm/rest/v1/RetrieveLatestResults

Returns results identical as ResultsByDateRange except it behaves like the following:

- Searches the previous 5 calendar days for results. Use RetrieveResultsByDateRange if files older than 5 days are needed.
- Only retrieves results for the most current date files were received.
- Example: Assume today is the 10th of the month. If you received files on the 7th and the 8th we will only return files received on the 8th.

RetrieveLatestResults Request Example:

```
{ "CompanyCode": "034M" }
```

DBM Result Records and Files

Filenames:

Files delivered by MDOT MVA follow a naming pattern documented below. All filenames are suffixed with the customer's 4-character company code.

Filename Contains	File Description
LIS	Contains 3-year or complete records.
PBJ	Related to Probation Before Judgement and CDL Medical Certification information.
FTPS010B	Reports error information about the driver being monitored (may be blank). Daily, Weekly, Monthly Error files are deprecated.
ANN	Anniversary files. Complete records are delivered each year on the date a driver is enrolled to be monitored.
2-digit numbers	MDOT MVA's flag to indicate how often a driver's record is searched for updates and/or delivered. 10 = Once (Initial files) 30, 35 = Daily 40, 45 = Weekly (Saturday and Sunday) 50, 55 = Monthly (Last Saturday of the month)

Filename Examples:

Initial Records *(Initial 3-year Record Run for ALL new Driver Licenses added):*

3-Year / Complete Records:

OUT-FTPLIS10-XXXX

OUT-FTPLIS10 = Initial 3-Year/Complete Record
XXXX = Company Code

Example: OUT-FTPLIS10-001L

~~**3-Year / Complete Record Index:**~~

~~OUT-FTPIND10 = Initial 3-Year/Complete Index~~
~~XXXX = Company Code~~

~~**Example:** OUT-FTPIND10-001L **OUT-FTPIND10-XXXX**~~

Error File:

OUT-FTPS010B-XXXX

OUT-FTPS010B = Error Records
XXXX = Company Code

Example: OUT-FTPS010B-001L

Initial Complete PBJ Records

OUT- PBJLIS10-XXXX

OUT-PBJLIS10 = Initial 3-Year/Complete PBJ Records
XXXX = Company Code

Example: OUT-FTPS010B-001L

~~**Initial Complete PBJ Record Index**~~

~~**OUT-PBJIND10-XXXX**~~

~~OUT-PBJIND10 = Initial 3-Year/Complete PBJ Index Records~~
~~XXXX = Company Code~~

~~**Example:** OUT-FTPS010B-001L~~

3-Year / Complete Records

3-Year / Complete Records:

OUT-FTPLISYY-XXXX

OUT-FTPLIS = 3-Year/Complete Record
YY = Subscriber Frequency (30-Daily; 40-Weekly; or 50-Monthly)
XXXX = Company Code

Example: OUT-FTPLIS30-001L (Daily Update Subscriber)

~~**3-Year / Complete Record Index:**~~

~~**OUT-FTPINDYY-XXXX**~~

~~OUT-FTPIND = 3-Year/Complete Index~~
~~YY = Subscriber Frequency (30-Daily; 40-Weekly; or 50-Monthly)~~
~~XXXX = Company Code~~

Example: OUT-FTPIND40-001L (Weekly Update Subscriber)

~~**Error File:**~~

OUT-FTPERBYY-XXXX

~~OUT-FTPERB = Error Report~~
~~YY = Subscriber Frequency (30-Daily; 40-Weekly; or 50-Monthly)~~
~~XXXX = Company Code~~

Example: OUT-FTPERB50-001L (Monthly Subscriber)

PBJ Complete Records

3-Year / Complete Records:

OUT-PBJLISYY-XXXX

OUT-PBJLIS = Probation Before Judgment Record
YY = Subscriber Frequency (35-Daily; 45-Weekly; or 55-Monthly)
XXXX = Company Code

Example: OUT-PBJLIS30-001L (Daily Update Subscriber)

~~**3-Year / Complete Record Index:**~~

~~**OUT-PBJINDYY-XXXX**~~

~~OUT-PBJIND = Probation Before Judgment Index~~
~~YY = Subscriber Frequency (35-Daily; 45-Weekly; or 55-Monthly)~~
~~XXXX = Company Code~~

~~**Example:** OUT-PBJIND40-001L (Weekly Update Subscriber)~~

~~**Error File:**~~

~~**OUT-PBJERBYY-XXXX**~~

~~OUT-PBJERB = PBJ Error Report~~
~~YY = Subscriber Frequency (35-Daily; 45-Weekly; or 55-Monthly) XXXX = Company Code~~

Example: OUT-PBJERB50-001L (Monthly Subscriber)

Individual Update Driving Records (Partial Records)

Driving Record Line Entry Records:

OUT-FTPRPAYY-XXXX

OUT-FTPRPA = Driving Record Updates
YY = Subscriber Frequency (30-Daily; 40-Weekly; or 50-Monthly)
XXXX = Company Code

Example: OUT-FTPRPA30-001L (Daily Update Subscriber)

~~**Error File:**~~

~~**OUT-FTPERBYY-XXXX**~~

~~OUT-FTPERB = Error Report~~
~~YY = Subscriber Frequency (30-Daily; 40-Weekly; or 50-Monthly)~~
~~XXXX = Company Code~~

~~**Example:** OUT-FTPERB40-001L (Weekly Subscriber)~~

Individual Update PBJ Records (Partial PBJ Records)

PBJ Record Line Entry Records:

OUT-PBJRPAYY-XXXX

OUT-PBJRPA = Probation Before Judgment Record Updates
YY = Subscriber Frequency (35-Daily; 45-Weekly; or 55-Monthly)
XXXX = Company Code

Example: OUT-PBJRPA30-001L (Daily Update Subscriber)

~~**PBJ Error File:**~~

~~**OUT-PBJERBYY-XXXX**~~

~~OUT-PBJERB = PBJ Error Report~~
~~YY = Subscriber Frequency (35-Daily; 45-Weekly; or 55-Monthly)~~
~~XXXX = Company Code~~

~~**Example:** OUT-PBJERB40-001L (Weekly Subscriber)~~

File Contents and Layout:

Files within the same family but different schedule or frequency have the same layout. All files are now formatted as JSON data. The exception is the Initial Error file (OUT-FTPS010B-XXXX) due to its unique situation of providing error status of drivers submitted for addition, changes or deletion. Index files and daily, weekly, and monthly error files are deprecated.

~~Index Files (IND):~~

~~These files simply list the drivers included with its corresponding record file. Each line consists of last name initial, Customer ID, company code and full name.~~

~~**Index Example:**~~

~~D\M234000488093\001L\JANE DOE~~
~~D\W234000012428\001L\JOHN DOE~~
~~D\M234000034764\001L\JANIE DOE~~

Full Record Files (Non-PBJ):

Record files are now formatted as JSON data.

3-Year / Complete Example:


```
{{
    "CompanyCode": "034M",
    "DriverRecord": [
        {
            "InitialRecord": false,
            "CustomerID": "B000000000000000",
            "Name": "DOE, JOHN",
            "Height": "5-11",
            "Weight": "160",
            "Race": "BLACK",
            "Sex": "MALE",
            "DOB": "1000-00-11T00:00:00",
            "ResidentialAddress": {
                "Street1": "1278 RD",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "FT WASHINGTON",
                "State": "MD",
                "Zip": "21111"
            },
```

```
            "NCLStatus": "DRVVLD",
            "CDLStatus": "",
            "DriversLicense": [
                {
                    "LicenseClass": "NCLC",
                    "GLSType": "0",
                    "LicenseType": "REN",
                    "Duplicate": "",
                    "Document": "REALID",
                    "IssueDate": "08-30-2021",
                    "ExpirationDate": "09-19-2029",
                    "Endorsements": "",
                    "Restrictions": "",
                    "SpecialRestriction": "",
                    "SpecialRestrictions": null
                }
            ],
            "AddressChanges": null,
            "NameChanges": null,
            "CustomerIDChanges": null,
            "Violations": [
                {
                    "ViolationDate": "2019-10-13T00:00:00",
                    "ConvictionDate": "2020-02-19T00:00:00",
                    "Summary": "VA VAX1907",
                    "Description": "OOS CONVICTION",
                    "Points": 0,
                    "PointsActive": false
                },
                {
                    "ViolationDate": "2021-08-30T00:00:00",
                    "ConvictionDate": null,
                    "Summary": "MD21CR091815",
                    "Description": "NEW LIC/ID ISSUED - PREVIOUS LIC/ID RECEIVED AND DESTROYED",
                    "Points": 0,
                    "PointsActive": false
                }
            ],
            "TotalPoints": 0,
            "MailingAddress": null
        },
        {
            "InitialRecord": false,
            "CustomerID": "K0000000000",
            "Name": "DOE, JANE",
            "Height": "5-4",
            "Weight": "150",
            "Race": "WHITE",
            "Sex": "FEMALE",
            "DOB": "1111-00-11T00:00:00",
            "ResidentialAddress": {
                "Street1": "50 PATTISON AVE",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "ANYTOWN",
                "State": "MD",
                "Zip": "21522"
            },
            "NCLStatus": "DRVVLD",
            "CDLStatus": "",
            "DriversLicense": [
                {
                    "LicenseClass": "NCLC",
                    "GLSType": "0",
                    "LicenseType": "REN",
                    "Duplicate": "",
                    "Document": "REALID",
                    "IssueDate": "09-11-2020",
                    "ExpirationDate": "10-08-2028",
                    "Endorsements": "",
                    "Restrictions": "",
                    "SpecialRestriction": "",
                    "SpecialRestrictions": null
                }
            ],
            "AddressChanges": [
                {
                    "Date": "2018-08-20T00:00:00",
                    "Description": "ADDRESS CHANGE (RESIDENTIAL)"
                }
            ],
            "NameChanges": [
                {
                    "Date": "2018-08-20T00:00:00",
                    "Description": "NAME CHANGE"
                }
            ],
            "CustomerIDChanges": [
                {
                    "Date": "2018-08-20T00:00:00",
                    "Description": "CUSTOMER ID CHANGE"
                }
            ],
            "Violations": [
                {
                    "ViolationDate": "2019-05-28T00:00:00",
                    "ConvictionDate": null,
```

```
                    "Summary": "WEB",
                    "Description": "WEB",
                    "Points": 0,
                    "PointsActive": false
                }
            ],
            "TotalPoints": 0,
            "MailingAddress": null
        }
    ]
}
```


Full Probation Before Judgement Files:

Full PBJ Record Example:


```
{
    "CompanyCode": "034M",
    "DriverRecord": [
        {
            "InitialRecord": false,
            "CustomerID": "AB00000000000",
            "Name": "DOE, JON",
            "Height": "5-5",
            "Weight": "180",
            "Race": "BLACK",
            "Sex": "MALE",
            "DOB": "12-12-1000",
            "ResidentialAddress": {
                "Street1": "1112 APT A",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "BALTIMORE",
                "State": "MD",
                "Zip": "21239"
            },
            "MailingAddress": {
                "Street1": "5632 APT A",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "BALTIMORE",
                "State": "MD",
                "Zip": "21239"
            },
            "NCLStatus": "DRVVLD",
            "CDLStatus": "DRVVLD",
            "DriversLicense": [
                {
                    "LicenseClass": "CDLB",
                    "GLSType": "0",
                    "LicenseType": "REN",
                    "Duplicate": "",
                    "Document": "REALID",
                    "IssueDate": "07-20-2021",
                    "ExpirationDate": "09-24-2026",
                    "Endorsements": "SP",
                    "Restrictions": "",
                    "SpecialRestriction": ""
                }
            ],
            "PBJViolations": [
                {
                    "ViolationDate": "09-13-2012",
                    "TrialDate": "11-26-2012",
                    "Summary": "0X10EGV ",
                    "LicenseRestrictions": "",
                    "Judge": "",
                    "Jurisdiction": "",
                    "Section": "21",
                    "SubSection": "801",
                    "Paragraph": "",
                    "Violation": "2930",
                    "ExpirationDate": "",
                    "Description": "EXCEEDING MAXIMUM SPEED LIMIT BY 10 MPH(MV)"
                },
                {
                    "ViolationDate": "12-10-2020",
                    "TrialDate": "",
                    "Summary": "",
                    "LicenseRestrictions": "",
                    "Judge": "",
                    "Jurisdiction": "",
                    "Section": "",
                    "SubSection": "",
                    "Paragraph": "",
                    "Violation": "",
                    "ExpirationDate": "",
                    "Description": "MEDCERT EXPIRED"
                }
            ],
```

```
            "CDLMedCert": {
                "CertificateRestrictionCode": [
                ],
                "CertificateStatusCode": "CERTIFIED",
                "ExaminerInformation": {
                    "FirstName": "CARD",
                    "FirstNameTransliteratedCode": "0",
                    "FirstNameTruncatedCode": "0",
                    "LastName": "JOE",
                    "LastNameTransliteratedCode": "0",
                    "LastNameTruncatedCode": "0",
                    "LicenseNumber": "D0063451",
                    "LicensingJurisdictionCode": "MD",
                    "MiddleName": "",
                    "MiddleNameTransliteratedCode": "0",
                    "MiddleNameTruncatedCode": "0",
                    "NationalRegistryNumber": "7418819217",
                    "PhoneNumber": "4101111111",
                    "SpecialtyCode": "MD",
                    "Suffix": ""
                },
                "ExpirationDate": "12-01-2021",
                "IssueDate": "12-01-2020",
                "SelfCertificationCode": "NI",
                "SkillsPerformanceEvaluationExpirationDate": "",
                "SkillsPerformanceEvaluationStartDate": "",
                "WaiverExpirationDate": "",
                "WaiverStartDate": "",
                "WaiverTypeCode": ""
            }
        }
    ]
}
```


Partial Record Updates (Non-PBJ)

Each updated record consists of 2 lines. The first line contains driver information, and the second line will have details of the update. The end of the file contains a summary of records added, deleted, and updated.

Partial Record Update Example:


```
{
    "CompanyCode": "034M",
    "CompanyName": "ACME INC",
    "Driverrecord": [
        {
            "CustomerID": "M26000000007",
            "Name": "DOE, JANE L",
            "DOB": "1997-06-22T00:00:00",
            "ResidentialAddress": {
                "Street1": "2807 CEDARHURST RD",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "FINKSBURG",
                "State": "MD",
                "Zip": "210482316"
            },
            "Violations": [
                {
                    "ViolationCode": "5805",
                    "Text": "Points Warning",
                    "ViolationDate": "2019-09-19T00:00:00",
                    "DispositionDate": null,
                    "TicketNumber": "",
                    "Points": 0,
                    "PointsActive": false,
                    "Message": "RECORD CHANGED"
                }
            ]
        }
    ]
}
```

Probation Before Judgement Partial Record Updates

Each updated record consists of 2 lines. The first line contains driver information, and the second line will have details of the update. The end of the file contains a summary of records added, deleted, and updated.

Probation Before Judgement Record Updates Example:


```
{
    "CompanyCode": "034M",
    "CompanyName": "ACME INC",
    "DriverRecord": [
        {
            "CustomerID": "D0000000222",
            "Name": "DOE, JANE L",
            "DOB": "1968-04-28T00:00:00",
            "ResidentialAddress": {
                "Street1": "3079 WAY",
                "Street2": "",
                "Unit": "",
                "UnitType": "",
                "City": "EDGEWOOD",
                "State": "MD",
                "Zip": "21040"
            },
            "PBJViolations": [
                {
                    "ViolationCode": "",
                    "TicketNumber": "",
                    "StateCodeSection": "",
                    "StateCodeSubSection": "",
                    "Court": "",
                    "BeginDate": null,
                    "EndDate": null,
                    "Judge": "",
                    "ViolationDate": "2021-10-20T00:00:00",
                    "FRA": "",
                    "Paragraph": "",
                    "Section": "",
                    "Line": "",
                    "Message": "RECORD ADDED",
                    "Description": "MEDCERT EXPIRED"
                }
            ]
        }
    ]
}
```


Errors

All errors have been consolidated into 1 error file and delivered daily. Each line has a maximum width of 120 characters.

Initial Errors Example:

```
034MACMI INC                    J525840000000JANE ANNE DOE                  DPDNO MATCH ON SDX SVCUSTMR-REC
034MACMI INC                    A000008001002C000000009002                  DPASDX CROSS REFERENCE - SEE NAME
034MACMI INC                    B123456000000JOHN DOE JR                    DPANO STORE OWNER RECORD EXISTS
```

Error Layout

Name	Length	Description
Company Code	4	
Company Name	35	
Customer Id	13	
Full Name Or New Customer Id	35	For SDX CROSS REFERENCE errors, the full name will be replaced with the new Customer Id
Frequency	1	D = Daily W = Weekly M = Monthly
Price Type	1	F = Free P = Paid
Trans Type	1	A = Add C = Change D = Delete
Message	30	

~~Daily, Weekly and Monthly Errors~~

~~Errors within these files are not common but do occasionally occur. See Error Messages for details.~~

~~Initial Errors Example:~~

```
001L DATE: 01/12/2019                    MARYLAND DEPARTMENT OF TRANSPORTATION                    PROGRAM ID:  VIMS060B
     TIME:  1:46:51                          MOTOR VEHICLE ADMINISTRATION                              PAGE:  000160
                                                QUALITY CONTROL / RECORDS
                                            LICENSE MONITOR SYSTEM ERROR LISTING

 CODE      COMPANY NAME                SOUNDEX NO      OWNER NAME                  FREQ TYPE ACTION    MESSAGE

 001L  MARYLAND ACME INC               D000000000022 D000000000333                  D    F          SDX CROSS REFERENCE - SEE NAME
 001L  MARYLAND ACME INC               X121200000000                                D    F          NO MATCH ON SDX SVCUSTMR REC
```

Error Messages

Error Message	Description
SDX CROSS REFERENCE - SEE NAME	This driver has been assigned a new driver license number, by MDOT MVA.
TRANS TYPE NOT = A, C OR D	Invalid submission Type (Add, Change, Delete)
NO MATCH ON COMPANY RECORD	This is not a valid Company Code and does not match MVA records.
COMPANY INACTIVE	MDOT MVA has your Company Code listed as inactive.
NO STORE OWNER RECORD EXISTS	The submitted Customer ID is already being monitored.
NO MATCH ON OWNER RECORD	This Customer ID IS NOT currently being monitored.
NO MATCH ON SDX SVCUSTMR-REC	This Customer ID could not be found.
NO MATCH ON DOB SVPERSON-REC	The submitted birthday for the driver license number does not match the birthday on file with MVA

Appendix A – All available filenames and descriptions

Filename Pattern	Description
~~OUT-FTPIND10-XXXX~~	~~Initial 3-year or Complete Index File~~
OUT-FTPLIS10-XXXX	Initial 3-year or Complete Record File
~~OUT-PBJIND10-XXXX~~	~~Initial PBJ Complete Index File~~
OUT-PBJLIS10-XXXX	Initial PBJ Complete Record File
OUT-FTPS010B-XXXX	Initial 3-year or Complete Error File
~~OUT-FTPIND30-XXXX~~	~~Daily 3-year or Complete Index File~~
OUT-FTPLIS30-XXXX	Daily 3-year or Complete Record File
OUT-FTPRPA30-XXXX	Daily Update Record File
~~OUT-FTPERB30-XXXX~~	~~Daily Error File~~
OUT-PBJLIS30-XXXX	Daily PBJ Complete Record File
~~OUT-PBJIND35-XXXX~~	~~Daily PBJ Complete Index File~~
OUT-PBJLIS35-XXXX	Daily PBJ Complete Record File
OUT-PBJRPA35-XXXX	Daily PBJ Partial Record Updates File
~~OUT-PBJERB35-XXXX~~	~~Daily PBJ Error File~~
~~OUT-FTPANNIND30-XXXX~~	~~Daily Anniversary Complete Index File~~
OUT-FTPANNLIS30-XXXX	Daily Anniversary Complete Record File
~~OUT-PBJANNIND30-XXXX~~	~~Daily Anniversary PBJ Index File~~
OUT-PBJANNLIS30-XXXX	Daily Anniversary Complete PBJ File
~~OUT-FTPIND40-XXXX~~	~~Weekly 3-year or Complete Index File~~
OUT-FTPLIS40-XXXX	Weekly 3-year or Complete Record File
OUT-FTPRPA40-XXXX	Weekly Update Record File
~~OUT-FTPERB40-XXXX~~	~~Weekly Error File~~
~~OUT-PBJIND45-XXXX~~	~~Weekly PBJ Complete Index File~~
OUT-PBJLIS45-XXXX	Weekly PBJ Complete Record File
OUT-PBJRPA45-XXXX	Weekly PBJ Partial Record Updates File
~~OUT-PBJERB45-XXXX~~	~~Weekly PBJ Error File~~
~~OUT-FTPANNIND40-XXXX~~	~~Weekly Anniversary Complete Index File~~
OUT-FTPANNLIS40-XXXX	Weekly Anniversary Complete Record File
~~OUT-PBJANNIND40-XXXX~~	~~Weekly Anniversary PBJ Index File~~
OUT-PBJANNLIS40-XXXX	Weekly Anniversary Complete PBJ File
~~OUT-FTPIND50-XXXX~~	~~Monthly 3-year or Complete Index File~~
OUT-FTPLIS50-XXXX	Monthly 3-year or Complete Record File
OUT-FTPRPA50-XXXX	Monthly Update Record File
~~OUT-FTPERB50-XXXX~~	~~Monthly Error File~~
~~OUT-PBJIND55-XXXX~~	~~Monthly PBJ Complete Index File~~
OUT-PBJLIS55-XXXX	Monthly PBJ Complete Record File
OUT-PBJRPA55-XXXX	Monthly PBJ Record Line Entry Record File
~~OUT-PBJERB55-XXXX~~	~~Monthly PBJ Error File~~
~~OUT-FTPANNIND50-XXXX~~	~~Monthly Anniversary Complete Index File~~
OUT-FTPANNLIS50-XXXX	Monthly Anniversary Complete Record File
~~OUT-PBJANNIND50-XXXX~~	~~Monthly Anniversary PBJ Index File~~
OUT-PBJANNLIS50-XXXX	Monthly Anniversary Complete PBJ File

Appendix B – DBM References

A driver record will contain driver record codes and abbreviations. For your reference, the driver record codes and abbreviations along with their explanation are provided below.

Driver Record Codes	Description
A	License Class
A/A	Administrative Adjudication
A/C	Air Conditioning
A/R	Alcohol Related
ABEY	Abeyance
ACC	Accident
ACCUM	Accumulate(d)
ACT	Action/Acted
ADM	Administration/Administrative
AEP	Alcohol Education Program
AFF	Affirmed
AGREE	Agreement
ALCH	Alcohol
ALT	Altered
AOM	Age of Majority
APP	Application
APPR	Approved/Approval
ATT	Attend
AUM	Accident - Uninsured Motorist Case
B	License Class
B/S	Blackout/Seizure
BAC	Blood Alcohol Level
BLDG	Building
C	License Class
C	Corrected License
C/FS	Complaint/False Statement
CANC	Cancelled
CDL	Commercial Driver License
CDS	Controlled Dangerous Substance
CERT	Certificate
CHEM	Chemical
CIR	Circuit
CLF	Central License File
CLR	Clearance
CMV	Commercial Motor Vehicle
CO	Company
COMB	Combination
COMM	Committed
COMP	Complete(d)
CONC	Concurrent
CONF	Conference
CONS	Consecutive
CONT	Continued
CONTR	Control
CONV	Conviction
COR	Corrected
CR	Credit

Driver Record Codes	Description
CSE	Child Support Enforcement
CT	Court
D	License Class or Days (30D)
D-1	Duplicate License
D/R	Driver Records
DEC.	Decision
DEF	Default
DEPT	Department
DEV	Device
DIP	Driver Improvement Program
DIS	Displaying
DIST	District
DIV	Division
DL	Driver License
DMV	Motor Vehicle Administration
DOC	Document
DR	Drive/Driving/Driver
DRC	Driver Rehabilitation Clinic
DT	Date
DTO	Dealer Tags Only
DUP	Duplicate
E	License Class
EC	Express Consent
EDUC	Education
EFF	Effective
ELEC	Electric
EMP	Employee, Employment
ENT	Entry
EQUIP	Equipment
EX	Expired, Expiration
EXC	Exceeding
EXD	Excluded Driver Case
EXP	Explosives
F/R	Financial Responsibility
FA	Fatal Accident
FAIL	Failing/Failure/Failed
FC	Full Credit
FI	Factitious
FIN RESP	Financial Responsibility
FPF	Fail to Pay Fine
FR#( )	Financial Responsibility Case (Acc. Date)
FRAUD	Fraudulent
FREQ	Frequency
FT	Feet/Failed Test
FTA	Failure to Appear
FTY	Failure to Yield
H	Hearing (Hearing Officer's Initials)
HAZ	Hazard
HEAR	Hearing
HFA	Hearing - Failed to Appear
HGT	Height

Driver Record Codes	Description
HW	Hearing Waived
HWY	Highway
IC	Implied Consent
ID	Identification
IMP	Improper/Improvement
INC	Increase
IND	Indefinite
INF	Influence
INFO	Information
INJ	Injury/Injuring/Injurious
INS	Insurance
INSPECT	Inspection
INSTALL	Installment
INSTR	Instructions
INTER	Interest
INTERLOCK	Ignition Interlock Device
INTOX	Intoxicated/Intoxicating
INVEST	Investigation
ISS	Issued
IVP	Insurance Verification Program Case
J	MDOT MVA Judgment Case
JUDG	Judgment
LET	Letter
LIC	License
LIQ	Liquor
LO	Violation of Local Ordinance
(MV)	Moving Violation
M	License Class for Months
M/C	Motorcycle
MAB	Medical Advisory Board
MAG	Magistrate
MAIF	Maryland Automobile Insurance Fund
MAX	Maximum
MD	Maryland
MFG	Manufacturer
MISREP	Misrepresentation
MO	Motorcycle/Motor scooter
MODI	Modified
MPH	Miles per Hour
MSP	Maryland State Police
MTR	Motor
MUT	Mutilated
MV	Motor Vehicle
MDOT MVA	Motor Vehicle Administration
NC	Nolo Contendere
NEGL	Negligent
NRS	Non-Resident Student
O/C	Out-of-Country
O/S	Out-of-State
OBT	Obtain
OP	Operating

Driver Record Codes	Description
OPR	Operator
ORG	Original
PAR	Parent
PASS	Passenger
PAY	Payment
PBJ	Probation Before Judgment
PD	Property Damage
PED	Pedestrian
PEND	Pending
PER	Permit
PERS	Person
PI	Personal Injury
POS	Possession, Possess
PRIV	Privilege
PROB	Probated or Probation
PROH	Prohibited
PROP	Property
PSYS	Point System
PT	Passed Test
PUR	Purpose
PWV	Probation Without (or before) Verdict
R	Refused or Renewal License
R/R	Review & Reinstatement
RA	Reinstatement Application
RE	Reissued
RE-EXAM	Re-examination
REC	Record
RECD	Received
RECIP	Reciprocity
REF	Refused or Refusal
REG	Registration, Register, or Regulations
REHEAR	Rehearing
REIN	Reinstatement
REL	Relative, Related
REM	Remand, Remanded
REQ	Requirement, Require
RES	Resident
RESC	Rescinded
RESCH	Rescheduled
RESP	Responsibility
RESTR	Restricted or Restrictions
RET	Return
RETRO	Retroactive
REV	Revoked or Revocation
RI	Reinstated
ROW	Right of Way
RP	Reprimand
RPA	Refused or Revoked Pending Appearance
RR	Railroad or Restriction Removed
RS	Random Selection
RTT	Brake Reaction Time Test

Driver Record Codes	Description
S	Substitute License
SAT	Satisfied
SCH	Scheduled
SER	Serial
SIGN	Signed
SNL	Signed Statement - No License in Possession
SPA	Suspended Pending Appearance
SPEC	Special
SS	Sentence Suspended
ST	Student
STAT	Statement
SUB	Substitute
SUBST	Substance
SUR	Surrender
SUS	Suspended or Suspension
SW	Suspension Withdrawn
SYS	System
T	License Type
TEMP	Temporary
TP	Test Place
TRAF	Traffic
TRANS	Transportation or transporting
TRK	Truck
TUN	Tunnel
TV	Television
TY	Regular or Photo License
UL	Unable to Locate (investigation)
UMC	Uninsured Motorist Complaint Case
UN	Under
UNATT	Unattended
UNAUTH	Unauthorized
UNINS	Uninsured
UNLIC	Unlicensed
US	United States
VEH	Vehicle
VER	Verdict
VERIF	Verification
VIN	Vehicle Identification Number
VIO	Violation, Violate
W/O	Without
WARN	Warning
WARR	Warrant
WDN	Withdrawn
WGT	Weight
WL	Warning Letter
X	Involved in an Accident
YDIP	Youth Driver Improvement Program
YLCP	Youth License Control Program
YR	Year
&	And
*	Points Expired

Driver Record Codes	Description
/	Or

Accident Codes	DESCRIPTION
X	Driver contributed to an accident
Y	Driver contributed to a fatal accident
(blank)	No accident

License Type Codes

Type	Description
CNVUPD	Upgrade/Downgrade (Converted)
COR	Administrative Correction
DUP	Duplicate
DWNGRD	Downgrade
NEW	New
REN	Renewal
TEMP	Temporary
TRNSFR	Transferring a professional license from one linked business to another
UPGRAD	Upgrade from a permit to a full license

Restriction Codes

Code	Restriction Meaning/Purpose
A	May not be used to purchase a firearm
B	Corrective Lenses
C	Special Brakes, Hand Control, or Others
C01	Hand Controls
C02	Left Foot Accelerator
C03	Pedal Extension
C04	Foot Controls
C05	Power Steering
C06	Power Brakes and Steering
C07	Steering Knob
C08	Directional Signals
C09	Outside Mirror Each Side (OMES)
C10	Bioptic Telescopic Lenses
D	Prosthetic Aid
E	No Manual Transmission Equipped CMV/Automatic Transmission
E01	Automatic Transmission
E02	No Manual Transmission Equipped CMV
F	Outside Mirror
G	Limited to Daylight Driving Only
H	Limited
H01	Employment Purposes Only
H02	Employer's Vehicle Employment Only
H03	Employment Purposes Only – Child Support Enforcement
H04	Alcohol Prevention/Treatment Only (OAH)
H05	Employment and Educational Purposes (OAH)
H06	Obtaining Health Care Treatment
I	Limited

Code	Restriction Meaning/Purpose
I01	Class A - Restricted to test purposes only (Examiners)
I02	Class A & B - Restricted to test purposes only (Examiners)
J	Driver Enforcement
J01	Educational Purposes Only
J02	Alcohol
J03	Ignition Interlock Device Required
J04	Ignition Interlock Device Required or Employer's Exemption
J05	Alcohol - Medical Advisory Board (DWS)
J06	Employment & Educational Purposes Only (DWS)
J07	Ignition Interlock Device Required (DWS)
J08	Three-Wheeled Motorcycle
J09	Valid in Maryland Only
J10	Under 21 Alcohol Restricted
J11	Mandatory Restraints All Occupants
J12	Court Ordered Ignition Interlock
J13	RV and Motor Homes Only
J14	Court Ordered Alcohol
J15	3 Year Alcohol
J16	Vehicles 10,000 Lbs or Less
J17	No P, S or H Endorsements
J18	Non-Commercial Class C Only
J19	Mandatory Ignition Interlock
J20	Drug
J21	Alcohol and Drug
J22	Requires Rehab Instructor Only
J23	Requires Driving Instructor Only
J24	No Highway/Interstate
J25	Driving Range 5 Miles
J26	Driving Range 10 Miles
J27	Driving Range 15 Miles
J28	Requires Rehab/Driving Instructor Only
J29	Ignition Interlock - Repeat Offender
J30	Other
K	Intrastate Only
L	No Air Brake Equipped CMV
M	No Class A Passenger Vehicle
N	No Class A or B Passenger Vehicle
O	No Tractor Trailer CMV
P	No Passengers in CMV Bus
R	Warning - ID Theft Victim - Verify ID
T	Limit Term Temporary
U	Not Acceptable for Federal Purposes
V	Medical Variance
X	No Cargo in CMV Tank Vehicle
Z	Hearing/Speech Impaired, Air Brakes
Z01	No Full Air Brake Equipped CMV
Z02	Hearing Impaired
Z03	Speech Impaired
Z04	Hearing and Speech Impaired

License Class Codes

Type	Description
CDLA	Commercial Class A
CDLAM	Commercial Class A & Motorcycle
CDLB	Commercial Class B
CDLBM	Commercial Class B & Motorcycle
CDLC	Commercial Class C
CDLCM	Commercial Class C & Motorcycle
CDPA	Commercial Class A Permit
CDPB	Commercial Class B Permit
CDPC	Commercial Class C Permit
NCLA	Non-Commercial Class A
NCLAM	Non-Commercial Class A & Motorcycle
NCLB	Non-Commercial Class B
NCLBM	Non-Commercial Class B & Motorcycle
NCLC	Non-Commercial Class C
NCLCM	Non-Commercial Class C & Motorcycle
NCLCP	Non-Commercial C Provisional
NCLCPM	Non-Commercial Class C Provisional & Motorcycle
NCLM	Non-Commercial Class M
NCLMP	Non-Commercial M Provisional
NCPA	Non-Commercial Class A Permit
NCPB	Non-Commercial Class B Permit
NCPC1	Non-Commercial Class C GLS Permit
NCPB	Non-Commercial Class B Permit
NCPC1	Non-Commercial Class C GLS Permit
NCPB	Non-Commercial Class B Permit
NCPC1	Non-Commercial Class C GLS Permit
NCPB	Non-Commercial Class B Permit

Race Codes

Code	Description
ASIAN	Asian
BLACK	Black/African American
ISLAND	Native Hawaiian or other Pacific Islander
MULTI	Multiracial
NATIVE	American Indian or Alaska Native
WHITE	White/Caucasian

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

Value	Description
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

Accident Severity Codes

Value	Description
1	Fatal Accident
2	Incapacitating Injury Accident
3	Non-incapacitating Injury Accident
4	Possible Injury Accident
5	Non-injury Accident (i.e. property damage only)
8	Code is passed along from other states, has no meaning for Maryland drivers and should be ignored.
9	Unknown

License Doc Types

Type	Description
REALID	Real ID
NRID	Non-Real ID
TEMP	Temporary License

Sex Codes

Value	Description
FEMALE	Female
MALE	Male
UNK	Unknown
UNSPEC	Unspecified

GLS Codes

Type	Graduated License Type Descriptions
1	GLS
2	Non-GLS

Accident Codes

Code	Accident Descriptions
X	Driver contributed to an accident
Y	Driver contributed to a fatal accident
(blank)	No Accident

License Status Descriptions

Code	License Status Descriptions (NCL or CDL)
DRVCANELG	Driving privilege or credential is cancelled but this driver is eligible to re-apply
DRVCANNOT	Driving privilege or credential is cancelled and the driver is not eligible to re-apply at this time
DRVDSQ	Disqualified from commercial driving privilege
DRVDWN	Driving privilege has been downgraded
DWVELG	Driver is eligible to apply
DRVEXP	License is expired
DRVIID	Must clear the Ignition Interlock Unit
DRVMAB	Must clear the Medical Unit
DRVNOT	Driver is not eligible for this driving privilege. Check indicators for more information
DRVRPD	This customer has been reported deceased
DRVRVK	Driving privilege or eligibility to apply is revoked
DRVSUS	Driving privilege or eligibility to apply is suspended
DRVVLD	License is valid
DRVVPV	Provisional license is valid

Suffix Descriptions

Code	Suffix Descriptions
1ST	1ST
2ND	2ND
3RD	3RD
4TH	4TH
5TH	5TH
6TH	6TH
7TH	7TH
8TH	8TH
9TH	9TH
DDS	DDS
ESQ	ESQ
II	II
III	III
IV	IV
IX	IX
JD	JD
JR	JR
MD	MD
PDH	PDH
SR	SR

V	V
Vi	Vi
VII	VII
VIII	VIII
VM	VM
X	X

Unit Type Descriptions

Code	Unit Type Descriptions
#	#
APT	APARTMENT
BLDG	BUILDING
BSMT	BASEMENT
DEPT	DEPARTMENT
FL	FLOOR
FRNT	FRONT
HNGR	HANGAR
LBBY	LOBBY
LOT	LOT
LOWR	LOWER
NUM	NUM
OFC	OFFICE
PH	PENTHOUSE
PIER	PIER
REAR	REAR
RM	ROOM
SIDE	SIDE
SLIP	SLIP
SPC	SPACE
STE	SUITE
STOP	STOP
TRLR	TRAILER
UNIT	UNIT
UPPR	UPPER