

# Interpol SMV Workbench User’s Guide

by Interpol Washington

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## Introduction

The Interpol SMV Workbench is a Windows desktop application which enables your NCB to manage your nation’s Interpol SMV records using any Microsoft Windows computer with an I-24/7 connection.

The Workbench application can work with individual records, upload large batches of SMV records from a spreadsheet, and can even refresh your NCB’s entire set of SMV records in the Interpol database. It can be used to find, create, update, and delete SMV records in the Interpol database. It can be used to discover SMV records that are expiring and extend these records.

Since this is a desktop Windows application, there is no need for a server to be installed at your NCB in order to upload and maintain your NCB’s SMV records.

This application is not a substitute for automated SMV synchronization server solutions. Instead, it provides immediate access to all of the features on Interpol's WISDM SMV web service used to manage an NCB's Interpol SMV records.

If you wish to manage your NCB's SLTD (Stolen and Lost Travel Document) records in the Interpol SLTD database, then please use the companion application named the Interpol SLTD Workbench.

## Usage Scenarios

- 1) Upload large batches of SMV records
- 2) Quickly find, an SMV record in Interpol's database, and either update or delete it.
- 3) Manually create an SMV record, adding it to Interpol's database.
- 4) Retrieve the statistics on your NCB's Interpol SMV records set.

## Features Overview

- 1) Search for an SMV record
- 2) Create an SMV record
- 3) Update an SMV record
- 4) Delete an SMV record
- 5) Discover expiring SMV records
- 6) View today's IPSG SMV Statistics Report for your NCB's SMV records
- 7) Upload large batches of SMV records from CSV spreadsheet files
  - a. Simplifies the mapping of columns in the CSV spreadsheet to Interpol SMV fields
  - b. Simplifies the mapping of your domestic field values to Interpol SMV field values such as Country, Theft Type, etc.
  - c. Tests the entire CSV spreadsheet for potential errors before uploading.
  - d. Captures any errored-out lines in the CSV spreadsheet to a separate CSV file associated with the archived batch.
  - e. Logs any error messages from the WISDM web service in a file associated with the archived batch.
- 8) Refresh your NCB's entire set of SMV records in a single upload batch
- 9) View previously uploaded batches of SMV records in the archive.

## Dependencies

- 1) Windows 10/11
- 2) I-24/7 connection
- 3) WISDM SMV credentials
- 4) .NET 4.61 or greater

## Installation

Simply download the installation and run it on your Windows workstation.

<**TO-DO**: Add URL to download website>

If you do not have permissions to install and application on your workstation, you will need to contact your IT department to have an administrator install the application.

## Configuration

Before you can use the application to interact with your country's SMV records, you must enter your WISDM SMV credentials supplied by IPSG, as well as enter the URL to the WISDM web service.

On the main screen, click the Settings button (FIGURE 1a), then select the WISDM button (FIGURE 1b), and you will see the WISDM Settings dialog (FIGURE 1c). Use this dialog to enter

- 1) WISDM web service URL
  - a. Click the chevron button  to open a dialog (FIGURE 1d) that will assist you in building a correct WISDM URL.
  - b. Note that there is both a WISDM SMV Test and Production web service and the URL is different for each.
- 2) Enter the WISDM SMV User-ID and Password provided to your NCB by IPSG.
  - a. Note that these credentials may be different between the WISDM Test and Production web services.
- 3) Enter the "App Name" that WISDM will use to record your activity in IPSG statistics reports.
- 4) Select your county's code.

When your selections are complete click the OK button and your WISDM SMV web service setting will be tested to assure they are valid.

You may also select a different language for the application if your language did not appear automatically. All four Interpol languages are supported.

FIGURE 1a

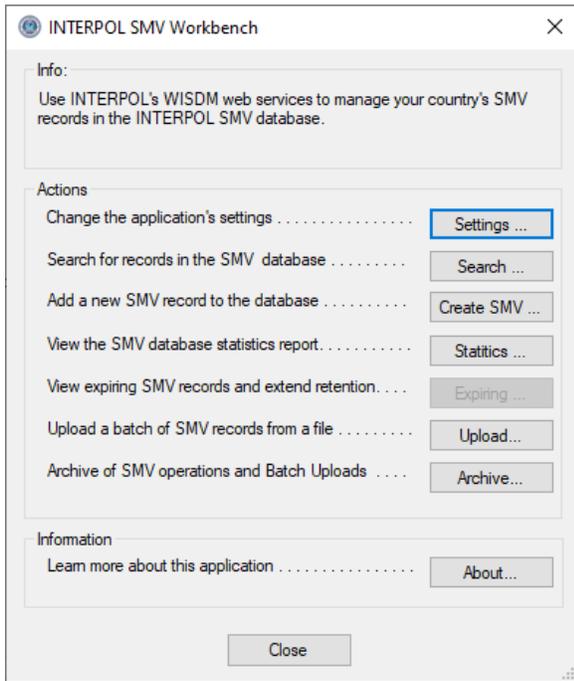


FIGURE 1b

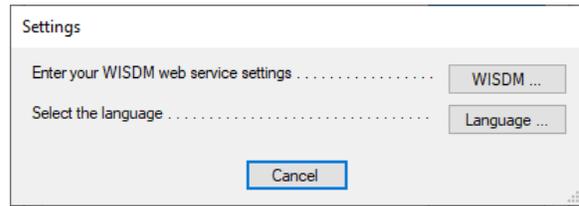


FIGURE 1c (before)

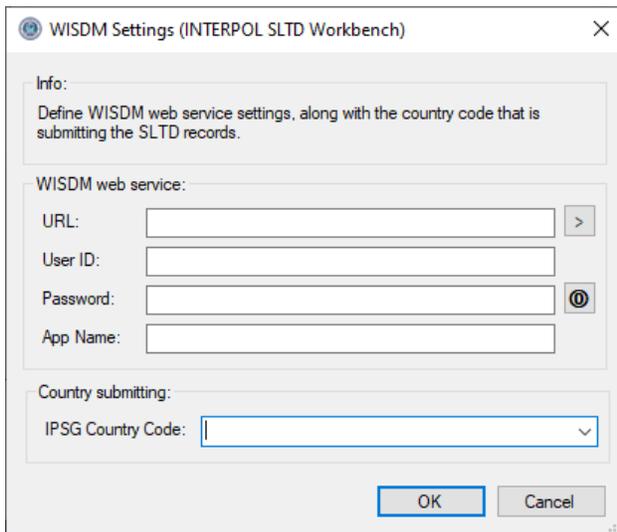


FIGURE 1d

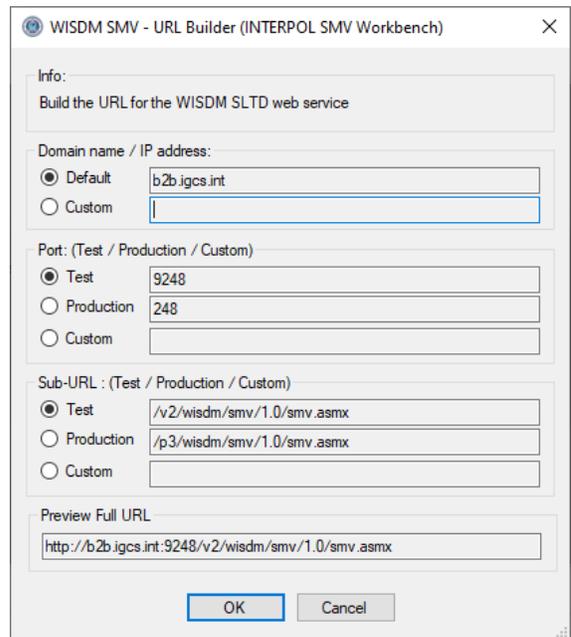


FIGURE 1e (After)

WISDM Settings (INTERPOL SMV Workbench)

Info:  
Define WISDM web service settings, along with the country code that is submitting the SMV records.

WISDM web service:

URL:  >

User ID:

Password:  ⓘ

App Name:

Country submitting:

IPSG Country Code:

OK Cancel

## Find an SMV Record

To find an existing SMV record in your NCB's INTERPOL SMV records database, click the "Search" button on the main screen to open the "Search SMV Records" dialog (Figure 2a), then enter the VIN and click the "OK" button. Search results will be shown in the box below.

Figure 2a

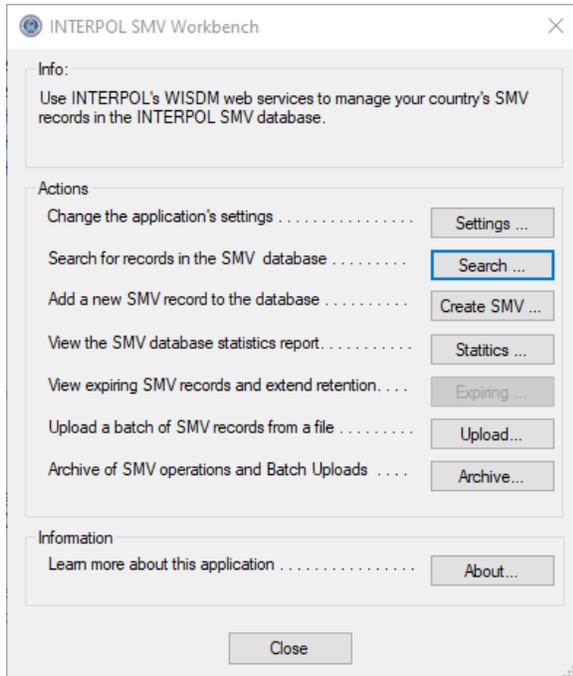


Figure 2b(before search)

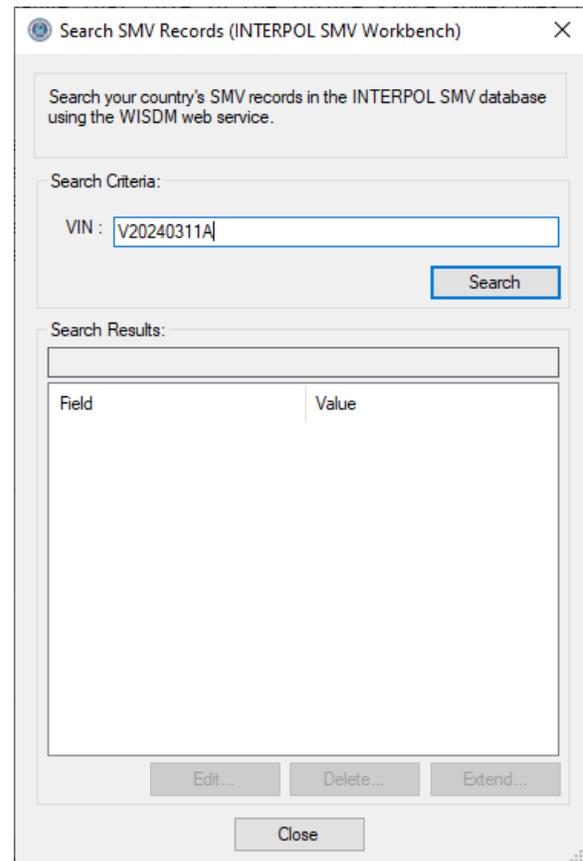
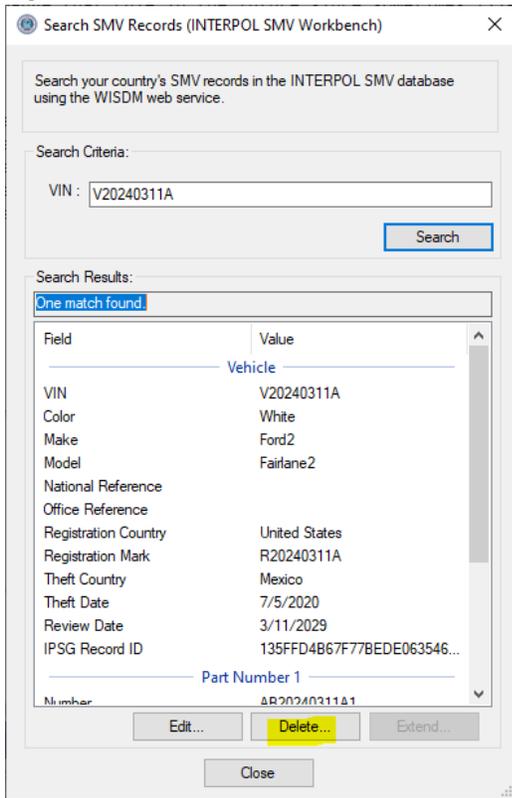


Figure 2c (After Search)



## Update an SMV Record

To update an existing SMV record in your NCB's INTERPOL SMV database, you must first use the "Search SMV Records" dialog to find the record, and then you can click the "Edit" button.

In the example we search for a vehicle with Vehicle Identification Number (VIN) of "V20240311A", then we click the Edit button to open the "Edit SMV Record" dialog for this record as in Figure 3b. We will change the Make and Model fields to add a "2" to the end of each.

Note that you cannot change the "VIN". The VIN can only be set during the creation of a new SMV record. If you must change the VIN, then you must first delete the SMV record and then create a new SMV record for this VIN.

Figure 3a

Search SMV Records (INTERPOL SMV Workbench)

Search your country's SMV records in the INTERPOL SMV database using the WISDM web service.

Search Criteria:

VIN :

Search Results:

One match found.

Field	Value
<b>Vehicle</b>	
VIN	V20240311A
Color	White
Make	Ford
Model	Fairlane
National Reference	
Office Reference	
Registration Country	United States
Registration Mark	R20240311A
Theft Country	Mexico
Theft Date	7/5/2020
Review Date	3/11/2029
IPSG Record ID	135FFD4B67F77BEDE063546...
<b>Part Number 1</b>	
Number	AB20240311A1
Type	Airbag Number
Sequence	1
<b>Part Number 2</b>	
Number	EN-20240311A
Type	Engine number
Sequence	2

Figure 3b

**Edit SMV Record**

Summary:  
Edit this SMV record and update it in the INTERPOL SMV database

Record

VIN (\*)

Make

Model

Color

Registration Mark

Registration Country

Date of Theft  7/ 5/2020

Theft Country

National Reference

Office Reference

Information:  
VIN is a required Text field. It must be between 5 and 30 characters in length.

Part Numbers:

Part Number	Type
AB20240311A1	Airbag Number (...)
EN-20240311A	Engine number (...)

Create... Edit... Delete Up Down

Save Cancel

Figure 3d (after editing)

**Edit SMV Record**

Summary:  
Edit this SMV record and update it in the INTERPOL SMV database

Record

VIN (\*)

Make

Model

Color

Registration Mark

Registration Country

Date of Theft  7/ 5/2020

Theft Country

National Reference

Office Reference

Information:  
Make is an optional Text field. It can be at most 30 characters in length.

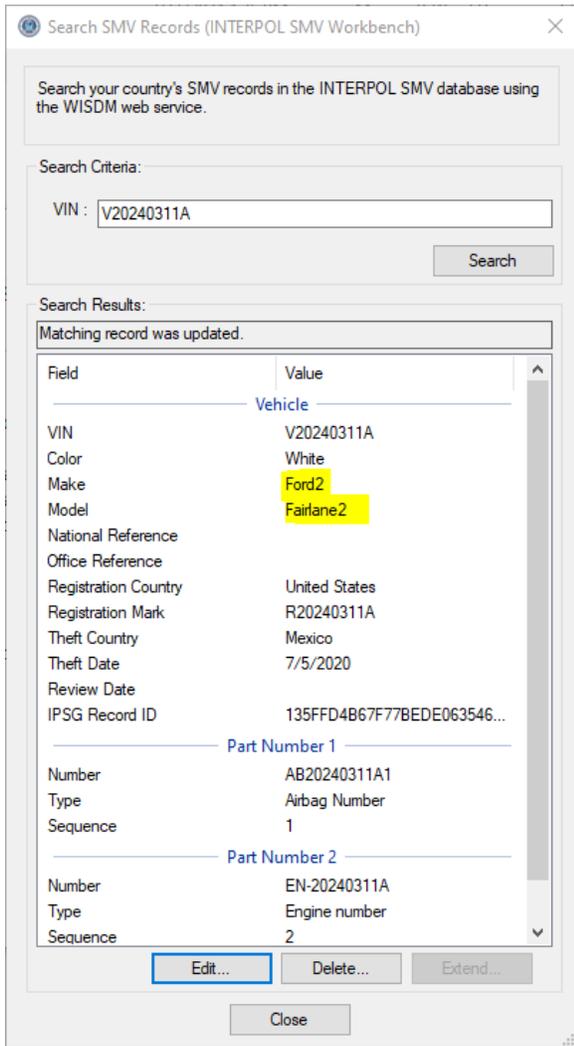
Part Numbers:

Part Number	Type
AB20240311A1	Airbag Number (...)
EN-20240311A	Engine number (...)

Create... Edit... Delete Up Down

Save Cancel

Figure 3e (Search dialog Updated)



## Delete an SMV Record

To delete an existing SMV record in your NCB's INTERPOL SMV database, you must first use the "Search SMV Records" dialog to find the record (Figure 4), and then you can click the "Delete" button. This will open the "Delete SMV Record" dialog where you can inspect the SMV record to be sure you want to delete (Figure 4b). When you click this dialog's Delete button it will ask for confirmation (figure 4c) and if you click the Yes button the record will be deleted and the success message will be shown (Figure 4d)

In the example we search for a passport with Document No. of "P20190230a", then we click the Delete button.

Figure 4a

Search your country's SMV records in the INTERPOL SMV database using the WISDM web service.

Search Criteria:

VIN : V20240311A

Search

Search Results:

One match found.

Field	Value
Vehicle	
VIN	V20240311A
Color	White
Make	Ford2
Model	Fairlane2
National Reference	
Office Reference	
Registration Country	United States
Registration Mark	R20240311A
Theft Country	Mexico
Theft Date	7/5/2020
Review Date	3/11/2029
IP SG Record ID	135FFD4B67F77BEDE063546...
Part Number 1	
Number	AR20240311A1

Edit... Delete... Extend...

Close

Figure 4b

Summary:

Delete this SMV record from the INTERPOL SMV database

Record

VIN (\*) V20240311A

Make Ford2

Model Fairlane2

Color White

Registration Mark R20240311A

Registration Country United States

Date of Theft 7/5/2020

Theft Country Mexico

National Reference

Office Reference

Delete Cancel

Figure 4c (Delete confirmation)

Delete SMV Record (INTERPOL SMV Workbench)

Are you sure that you want to delete this SMV record?

Yes No Cancel

Figure 4d (Delete success)

Delete SMV Record (INTERPOL SMV Workbench)

The record was deleted successfully

OK

## Create a new SMV Record

To create a new SMV record in your NCB's INTERPOL SMV records database, click the "Create SMV" button on the main screen (Figure 5a). This will open the "Create SMV Record" dialog (Figure 5b), where you can enter the information for this SMV record. The dialog will show information about the selected field, such as whether it is required or optional, and its length requirements, etc. It will not allow you to create a record that does not meet the requirements of INTERPOL SMV records as shown in Figure 5b. The dialog will not allow you to create an SMV with a VIN that already exists. It will show an error as in Figure 5d. To create a new Part Number record, click the "Create" button in the Part Numbers group, and enter the values in the "Create SMV Part Number" dialog (Figure 5e), then press OK.

Figure 5a

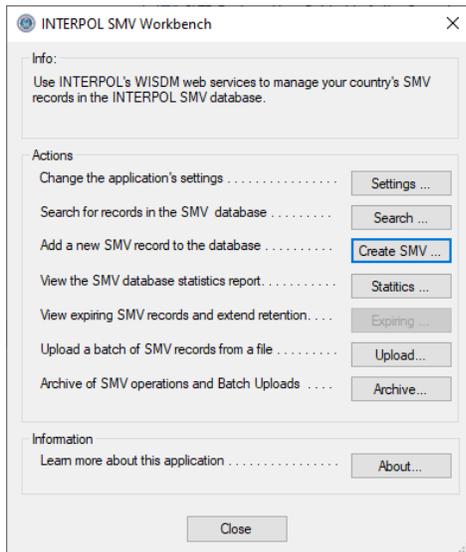
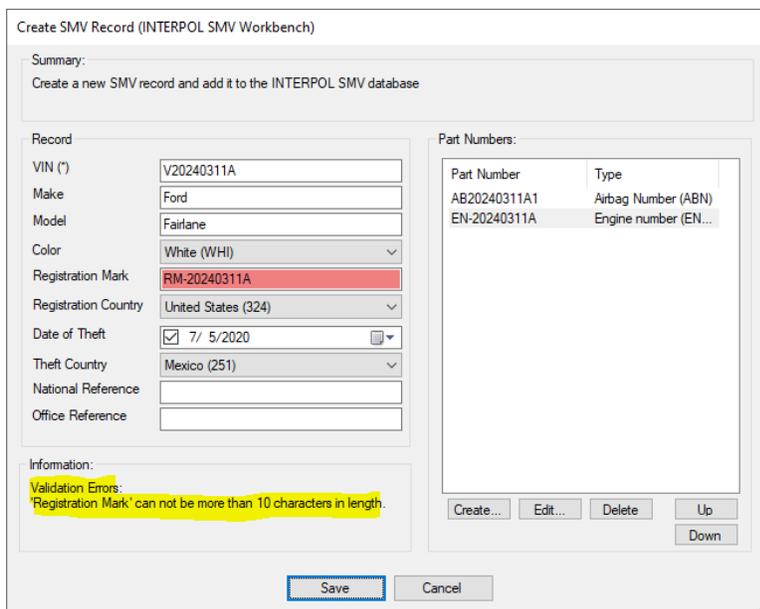


Figure 5b (Validation error failure)



The screenshot shows the 'Create SMV Record (INTERPOL SMV Workbench)' dialog. It has a 'Summary' section at the top stating 'Create a new SMV record and add it to the INTERPOL SMV database'. Below this are two main sections: 'Record' and 'Part Numbers'. The 'Record' section contains several input fields: VIN (\*), Make, Model, Color, Registration Mark (highlighted in red), Registration Country, Date of Theft, Theft Country, National Reference, and Office Reference. The 'Part Numbers' section contains a table with two columns: 'Part Number' and 'Type'. The table has two rows: 'AB20240311A1' with 'Airbag Number (ABN)' and 'EN-20240311A' with 'Engine number (EN...'. Below the table are buttons for 'Create...', 'Edit...', 'Delete', 'Up', and 'Down'. At the bottom of the dialog are 'Save' and 'Cancel' buttons. A yellow highlight is present in the 'Information' section, which contains the text: 'Validation Errors: 'Registration Mark' can not be more than 10 characters in length.'

Part Number	Type
AB20240311A1	Airbag Number (ABN)
EN-20240311A	Engine number (EN...)

Figure 5c (Success)

Create SMV Record (INTERPOL SMV Workbench)

Summary:  
Create a new SMV record and add it to the INTERPOL SMV database

Record

VIN (\*) V20240311A

Make Ford

Model Fairlane

Color White (WHI)

Registration Mark R20240311A

Registration Country United States (324)

Date of Theft  7/ 5/2020

Theft Country Mexico (251)

National Reference

Office Reference

Information:  
Registration Mark is an optional Text field. It can be at most 10 characters in length.

Part Numbers:

Part Number	Type
AB20240311A1	Airbag Number (ABN)
EN-20240311A	Engine number (EN...)

Create SMV Record (INTERPOL SMV Workbench) X

 The record was created successfully

OK

Create... Edit... Delete Up Down

Save Cancel

Figure 5c

Create SMV Record (INTERPOL SMV Workbench)

Summary:  
Create a new SMV record and add it to the INTERPOL SMV database

Record

VIN (\*)

Make Tesla

Model Plad

Color

Registration Mark

Registration Country

Date of Theft  3/11/2024

Theft Country

National Reference

Office Reference

Information:  
Validation Errors:  
'VIN' is required.

Part Numbers:

Part Number	Type
-------------	------

Create... Edit... Delete Up Down

Save Cancel

Figure 5d (Already exists)

Create SMV Record (INTERPOL SMV Workbench)

Summary:  
Create a new SMV record and add it to the INTERPOL SMV database

Record

VIN (\*)

Make

Model

Color

Registration Mark

Registration Country

Date of Theft

Theft Country

National Reference

Office Reference

Part Numbers:

Part Number	Type
-------------	------

Information:

Errors:  
Error: Context 'SMVItem': Message 'V20240311A is already searchable'  
Error: Context 'SMVItem': Message 'Problem while sending'

Create... Edit... Delete Up Down

Save Cancel

Figure 5e (Create SMV Part Number)

Create SMV Part Number (INTERPOL SMV Workbench)

Summary:  
Create a new part number record and add it to the parent vehicle record.

Record:

Number

Type of Number

Sequence

Information:  
Vehicle Number Type is a required Lookup field. It must be a valid IPSG code in the IPSTG\_Vehicle\_Number\_Type lookup table.

Save Cancel

## View WISDM SMV statistics report

To view the statistics of activity for your country's SMV records set in IPSTG's database, click the Statistics button on the main screen (Figure 6a) and you will see yesterday's statistics report (Figure 6b).

Figure 6a

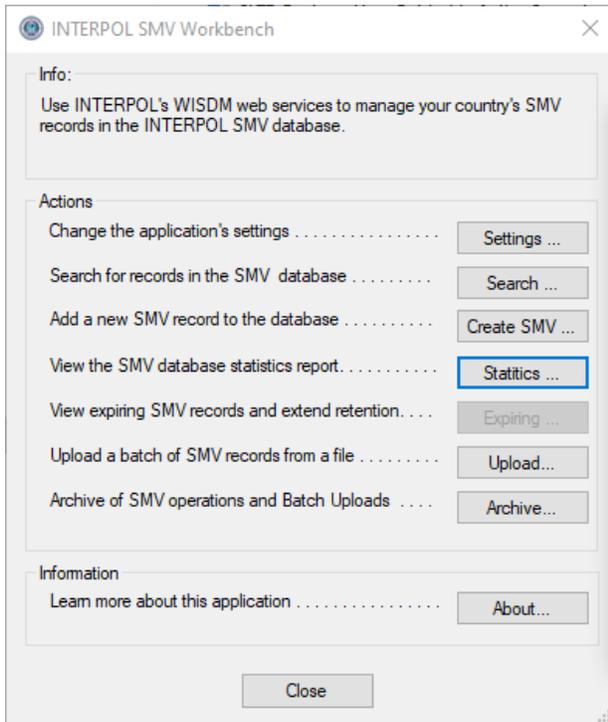


Figure 6b

Category	Number
ACTIONS_UPD_LAST_MONTH	43
ACTIONS_ADD_LAST_MONTH	6
ACTIONS_UPD_CURRENT_MONTH	16
ACTIONS_ADD_CURRENT_MONTH	103
RECORDS_COUNT	3,110

## Upload a Batch of SMV records

With this application you can upload large number of SMV records in a single batch file. A wizard will guide you through the process of mapping the columns of the CSV batch file, to the fields of the Interpol SMV record. Your column mappings will transform the values in the batch file into valid Interpol SMV record values. When your column mappings are complete they will be validated against all lines in the batch file, and if any errors are found they will be displayed so you can go back and fix them.

If you are uploading batch files of the same format, you can use the column mappings defined for the first batch file in all subsequent batch files to reduce the amount of work.

Note that a CSV file is the simplest form of a spreadsheet. Excel can save a spreadsheet to a CSV file using its File > "Save As" operation by selecting file type of CSV.

These are the steps required to upload a batch of SMV records for the first time.

- 1) Click the "Upload" button on the main screen (Figure 10a)
- 2) Select the batch file on disk (Figure 10b)
- 3) Select column separator (Figure 10c)
- 4) Select if first line is the columns header (Figure 10d)
- 5) Define column mappings (Figure 10e and 10f)
  - a. To define a column mapping, select an SMV Column row in the list and click the Edit button, or double click on the row. When all column mappings have been defined you can press the Next button to continue. See the "Define Column Mappings in Batch Upload" section for more detailed instructions.
- 6) Preview file translations (Figure 10g)
- 7) Validate translations (Figure 10h)
- 8) Step 7: Full Refresh Question (Figure 10i)
- 9) Step 8: Select the Number of Threads (Figure 10j)
- 10) Confirm start of upload (Figure 10k)
- 11) Show uploading progress (Figure 10l – 10n)
- 12) Step 10: Upload Results (Figure 10o)

13) View Log File if has failures (Figure 10p)

14) View Failed Lines file (Figure 10q)

Figure 10a (Step 0)

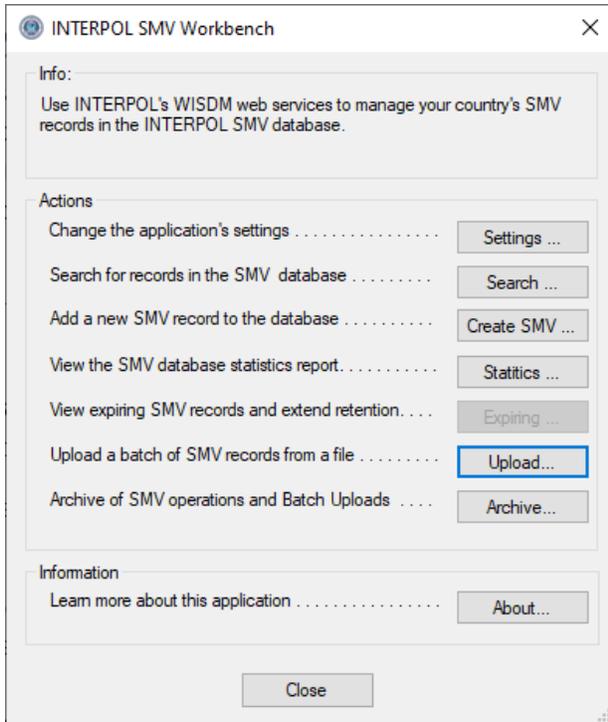


Figure 10b (Step 1: Select batch file)

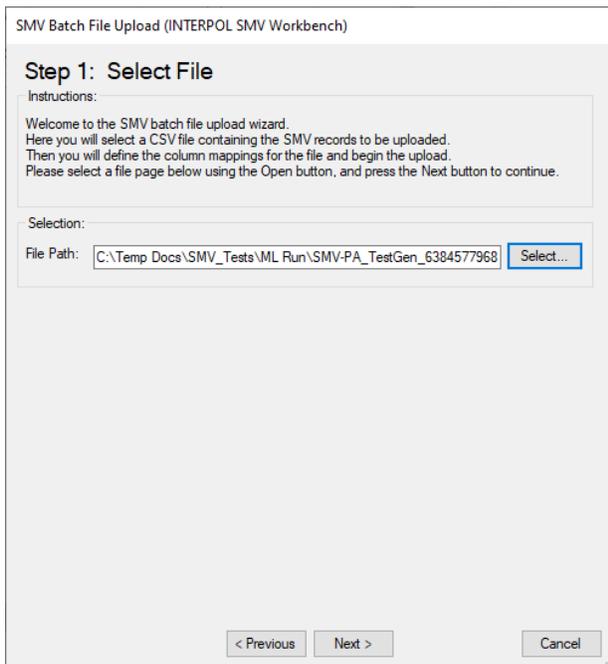


Figure 10c (Step 2: Select column separator)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 2: Select Column Separator

File Path

Number of Lines  Size in Bytes

Contents:

Line #	Text
1	VIN,Make,Model,Color1,RegistrationMark,Country of Registration,Date of Theft,Co
2	V1848013990001,Tesla,Mustang,black,,CO,20240209,MX,3vvUuiLNG3T hoT4hb
3	V1848014020002,Fiat,C1500,greY,kgn,MX,20240208,CU,nBN0e eY3jj,5jeDSBINN
4	V1848014020003,Infiniti,Durango,red,SMjZUI,PA,20240207,US,5jeDSBINNUdY z
5	V1848014020004,Nissan,Plad,green,zrGiQhq1,CO,20240206,FR,PSyjC1 V3qbZ, r
6	V1848014020005,Toyota,X10,blue,d,MX,20240205,ES,,QGHW4TS 4YXjF2,tialjS
7	V1848014020006,Lexus,Q31,gold,L44,PA,20240204,PA,QGHW4TS 4YXjF2,C ,2C
8	V1848014020007,Volkswagen,GX470,white,seyqdf,CO,20240203,CO,C_rXsFzMP
9	V1848014020008,Audi, Land Cruiser,black,zKVA5Fyi,MX,20240202,MX,rXsFzMP z
10	V1848014020009,Porsche,Camaro,greY,E,PA,20240201,CU,d c,sLBrweM4 jlliUKI,
11	V1848014020010,Peugeot,Malibu,redJVo,CO,20240131,US,sLBrweM4 jlliUKI,R v
12	V1848014020011,Honda,Tahoe,green,s0LuQD,MX,20240130,FR,Rt v,U4mBt0J4 q
13	V1848014020012,Subaru,Bronco,blue,0chVMcDTi,PA,20240129,ES,U4mBt0J4 q

Select the column separator:

Comma ( , )

Semicolon ( ; )

Other

< Previous Next > Cancel

Figure 10d (Step 3: Is first line the column header line)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 3: Column Headers

File Path

Selection:

Check the box below if the first line contains column headers.  
Uncheck the box if the first line contains data.

First line is column header

Parsed Lines:

Line #	Column 1	Column 2	Column 3	Column 4
1	VIN	Make	Model	Color1
2	V1848013990001	Tesla	Mustang	black
3	V1848014020002	Fiat	C1500	grey
4	V1848014020003	Infiniti	Durango	red
5	V1848014020004	Nissan	Plad	green
6	V1848014020005	Toyota	X10	blue
7	V1848014020006	Lexus	Q31	gold
8	V1848014020007	Volkswagen	GX470	white
9	V1848014020008	Audi	Land Cruiser	black
10	V1848014020009	Porsche	Camaro	grey
11	V1848014020010	Peugeot	Malibu	red
12	V1848014020011	Honda	Tahoe	green
13	V1848014020012	Subaru	Bronco	blue
14	V1848014020013	Land Rover	Sprinter	gold
15	V1848014020014	Ford	Ram	white

< Previous Next > Cancel

Figure 10e (Step 4: Define Column Mappings - Before)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 4: Column Mappings

File Path:

Define the column mappings between the SMV record and the batch file.

Column Mappings:

SMV Column	Required	Complete	Source	File Col	Sample	Translation Type	Translated
VIN	Yes	No	Undefined			Undefined	
Make	No	No	Undefined			Undefined	
Model	No	No	Undefined			Undefined	
Registration M...	No	No	Undefined			Undefined	
Registration Co...	No	No	Undefined			Undefined	
Color	No	No	Undefined			Undefined	
Theft Date	No	No	Undefined			Undefined	
Theft Country	No	No	Undefined			Undefined	
Office Reference	No	No	Undefined			Undefined	
National Refer...	No	No	Undefined			Undefined	
Airbag Number	No	No	Undefined			Undefined	
Infotainment N...	No	No	Undefined			Undefined	

Select a column mapping in the list above and click .....

Validation Messages:

Message

VIN: The source must be defined.  
 Make: The source must be defined.  
 Model: The source must be defined.

Figure 10f (Step 4: Define Column Mappings – After)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 4: Column Mappings

File Path:

Define the column mappings between the SMV record and the batch file.

Column Mappings:

SMV Column	Required	Complete	Source	File Col	Sample	Translation Type	Translated
VIN	Yes	Yes	File_Column	VIN	V16095...	Copy	V16095138...
Make	No	Yes	File_Column	Make	Tesla	Copy	Tesla
Model	No	Yes	File_Column	Model	Mustang	Copy	Mustang
Registration M...	No	Yes	File_Column	Registra...	gb	Copy	gb
Registration Co...	No	Yes	File_Column	Country ...	CO	Lookup	147
Color	No	Yes	File_Column	Color1	black	Lookup	BLA
Theft Date	No	Yes	File_Column	Date of ...	20240205	IPSG_Date	20240205
Theft Country	No	Yes	File_Column	Country ...	MX	Lookup	251
Office Reference	No	Yes	File_Column	Office Ref	nBN0e ...	Copy	nBN0e eY3j
National Refer...	No	Yes	File_Column	National...	3vvUui...	Copy	3vvUuiLNG...
Airbag Number	No	Yes	File_Column	Airbag ...	wqSBg...	Copy	wqSBgZR3...
Infotainment N...	No	Yes	Ignore			Undefined	
Enaine Number	No	Yes	lanore			Undefined	

Select a column mapping in the list above and click .....

Validation Messages:

Message

Figure 10g (Step 5: Preview File Translations)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 5: Preview File Translations

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457796813906107.csv

Translated SMV Records

VIN	Make	Model	Registration Mark	Registration Cou...	Color	Theft Date	Theft Country
V1848013990001	Tesla	Mustang		324	BLA	20240209	251
V1848014020002	Fiat	C1500	kgN	324	GRY	20240208	150
V1848014020003	Infiniti	Durango	SMjZUI	324	RED	20240207	324
V1848014020004	Nissan	Plad	zrGiQhq1	324	GRE	20240206	173
V1848014020005	Toyota	X10	d	324	BLU	20240205	166
V1848014020006	Lexus	Q31	L44	324	YELG	20240204	267
V1848014020007	Volkswagen	GX470	seyqdf	324	WHI	20240203	147
V1848014020008	Audi	Land Cruiser	zKVA5FYi	324	BLA	20240202	251
V1848014020009	Porsche	Camaro	E	324	GRY	20240201	150
V1848014020010	Peugeot	Malibu	IVo	324	RED	20240131	324
V1848014020011	Honda	Tahoe	s0LiQD	324	GRE	20240130	173
V1848014020012	Subaru	Bronco	0chVMcDTi	324	BLU	20240129	166
V1848014020013	Land Rover	Sprinter	e	324	YELG	20240128	267
V1848014020014	Ford	Ram	InaR	324	WHI	20240127	147

< Previous    Next >    Cancel

Figure 10h (Step 6: Validate Translations)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 6: Validate Translations

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457796813906107.csv

Validation Errors:

No validation errors found. Continue to the next page.

< Previous    Next >    Cancel

Figure 10i (Step 7: Full Refresh Question)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 7: Full Refresh Question

File Path

Number of Lines

Question:  
Check the box below if you would like replace all of your country's SMV records with those in this single batch file.

Is Full Refresh?

< Previous    Next >    Cancel

Figure 10j (Step 8: Select the Number of Threads)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 8: Number of Threads

File Path

Instructions:  
The upload process will use multiple threads to increase the speed of upload and reduce the total time to upload. Upon first entry of this page the program will initialize the thread count to the optimal number of threads required to complete within one hour. You may increase or decrease the number of threads and see the projected rate of time to complete the upload based on an assumed rate of 2/second for a single thread.

Selection:

Number of Threads ..  (from 1 to 100)

Rates:

<input type="text" value="20"/>	Lines / Second
<input type="text" value="1,200"/>	Lines / Minute
<input type="text" value="72,000"/>	Lines / Hour

Number of Lines .....

Estimated Time to Complete ...

< Previous    Next >    Cancel

Figure 10k (Confirm start of upload)

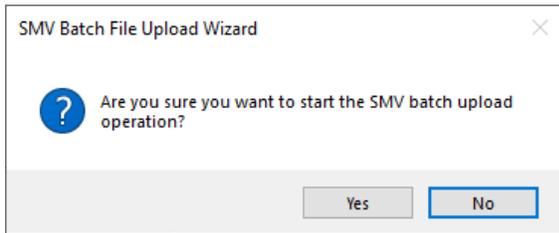


Figure 10l (Show uploading progress – step 1)

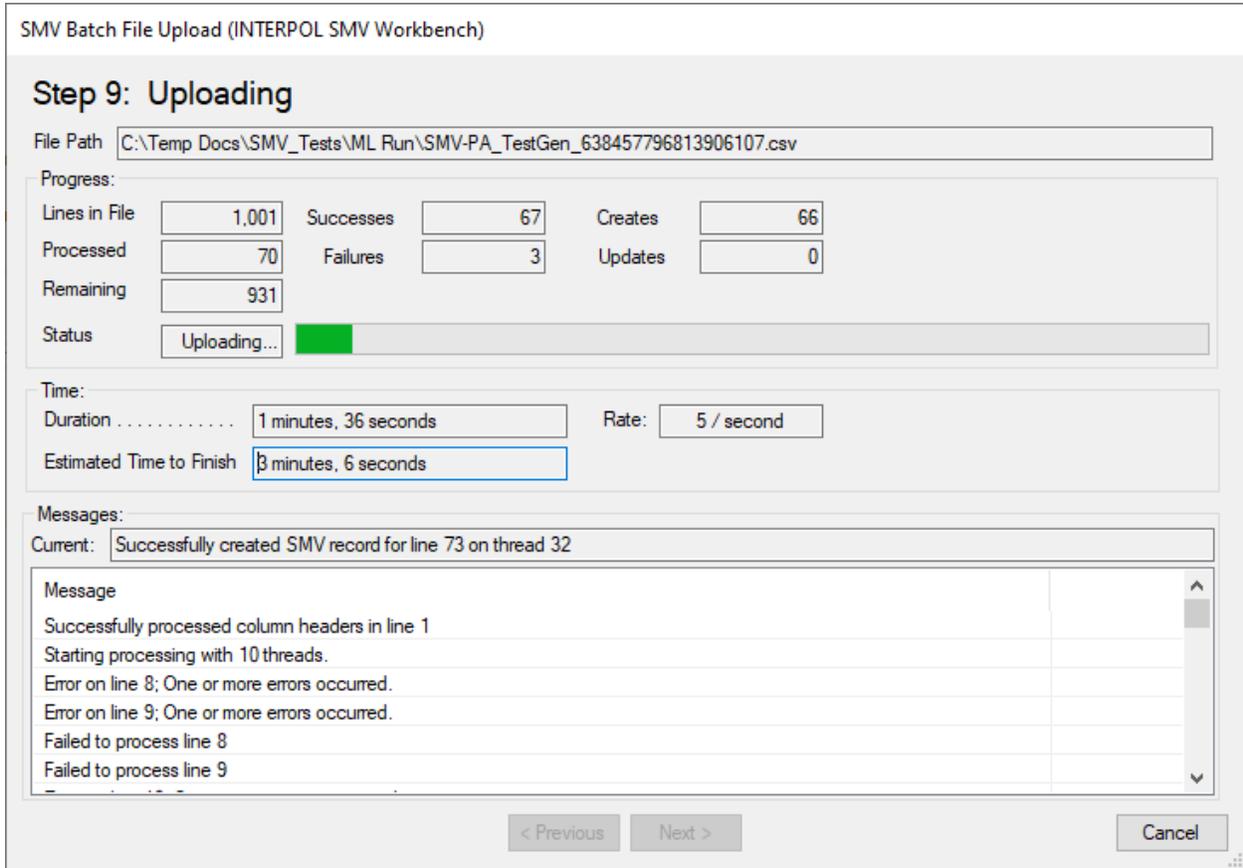


Figure 10m (Show uploading progress – step 2)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 9: Uploading

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457796813906107.csv

Progress:

Lines in File	1,001	Successes	225	Creates	224
Processed	228	Failures	3	Updates	0
Remaining	773				

Status: Uploading...

Time:

Duration: 1 minutes, 55 seconds      Rate: 7 / second

Estimated Time to Finish: 1 minutes, 50 seconds

Messages:

Current: Successfully created SMV record for line 235 on thread 32

Message

Successfully processed column headers in line 1  
 Starting processing with 10 threads.  
 Error on line 8: One or more errors occurred.  
 Error on line 9: One or more errors occurred.  
 Failed to process line 8  
 Failed to process line 9

< Previous      Next >      Cancel

Figure 10n (Show uploading progress – step 3)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 9: Uploading

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457796813906107.csv

Progress:

Lines in File	1,001	Successes	975	Creates	974
Processed	1,001	Failures	26	Updates	0
Remaining	0				

Status: Finished

Time:

Duration: 3 minutes, 4 seconds      Rate: 12 / second

Estimated Time to Finish:

Messages:

Current: The batch file processing is complete.

Message

Successfully created SMV record for line 997 on thread 31  
 Successfully created SMV record for line 998 on thread 30  
 Successfully created SMV record for line 999 on thread 27  
 Successfully created SMV record for line 1000 on thread 25  
 Successfully created SMV record for line 1001 on thread 23  
 The batch file processing is complete.

< Previous      Next >      Close

Figure 10o (Step 10: Upload Results)

- There were 26 failed translations, and these were put into a file called “Errored Out Lines.txt” and can be opened with the “Open” button next to the “Failed Lines” as shown in Figure 10q.
- The reason for these failures, lines can be found in the Log File as shown in Figure 10p.

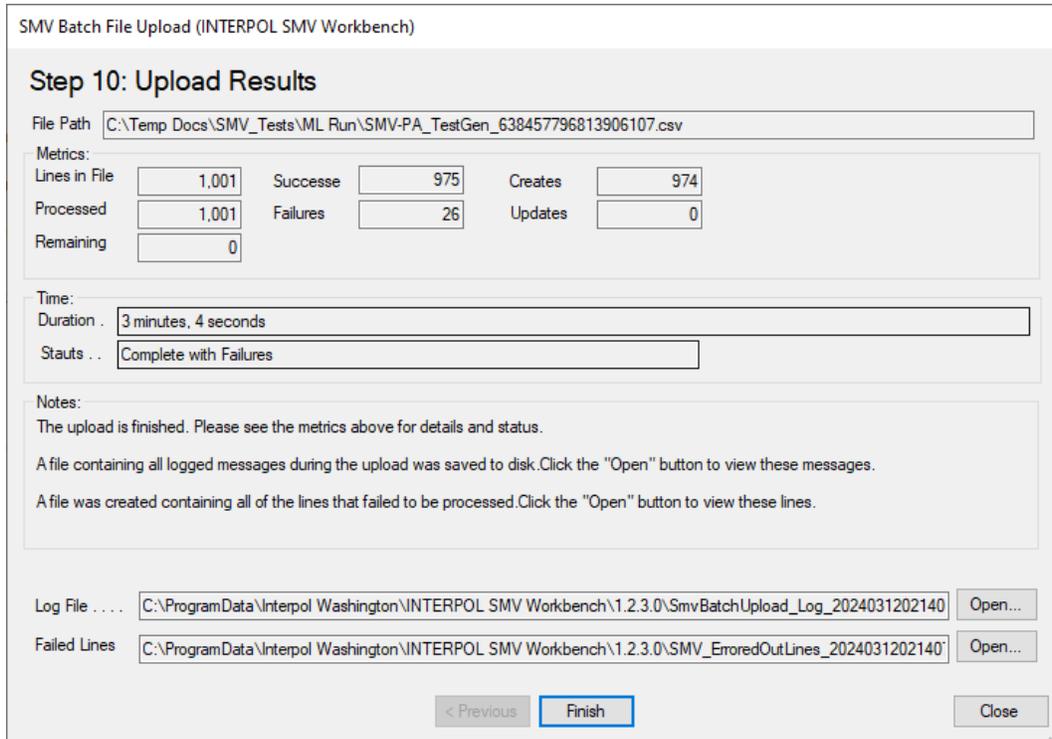


Figure 10p (Log File showing errors for the 26 failures)

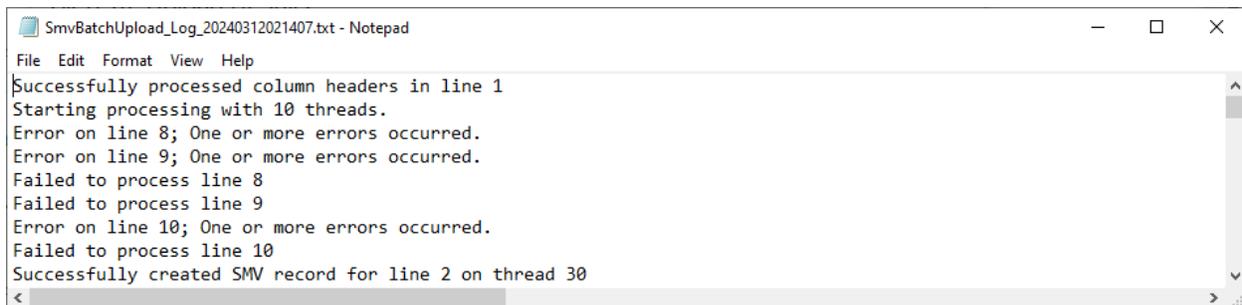
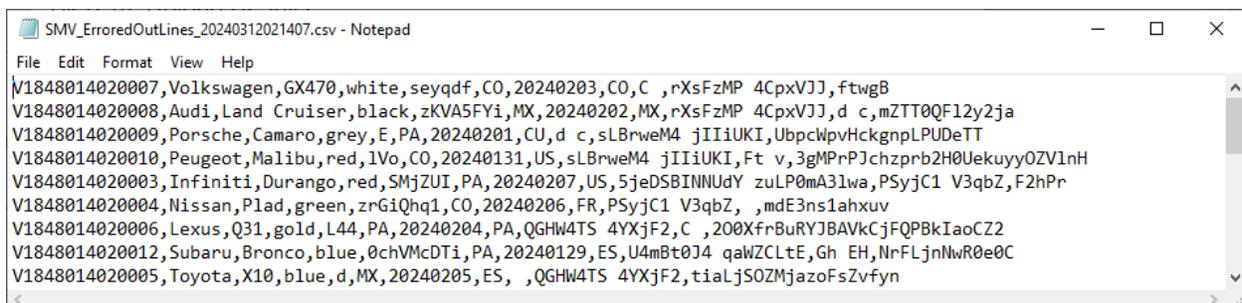


Figure 10q (Step 10: Errored Out Lines TXT file)



## Define Column Mappings in Batch Upload

When uploading a batch file for the first time you must define the column mappings between the columns of the batch file spreadsheet (CSV) file, and the Interpol STLD record. A column mapping is a rule for every field in the Interpol SMV record that defines from where in the batch file line that this field's value will come from, if any.

Optional SMV fields can be ignored, but required fields must be assigned a value. Field values can come from a column in the batch file, or can be a constant for all records created for this batch.

A good example of an SMV field that can be a constant is the Document Type if all of the SMV records in the batch file are passports, its constant value would be "PAS". Another example could be Theft Type, when all of the lines in the records in the batch file are Stolen, and therefore the constant value would always be "STL".

Some SMV record fields must be unique and defined in the batch file's columns. The primary example would be the "Vehicle Identification Number" or VIN field. It is the one required field that always must be mapped to a column in the batch file.

The simplest column mapping would have a file column mapped to the VIN while all other SMV fields are ignored.

The Interpol SMV record fields are:

- a. VIN (required)
- b. Make
- c. Model
- d. Registration Mark
- e. Registration Country
- f. Color
- g. Theft Date
- h. Theft Country
- i. Office Reference
- j. National Reference
- k. Part Number record fields
  - i. Air Bag Number
  - ii. Infotainment Number
  - iii. Engine Number
  - iv. Gear Box Number
  - v. Production Number
  - vi. Security Number

To start defining a column mapping, select a row in the SMV Batch File Upload wizard's Step 4 (Column Mappings) page and click the Edit button, or just double click the row.

Step 1: Select a source type as shown.

- If you select Ignore, and this is an optional SMV field, then you are done. (Figure 11a) However, if it is a required SMV field, then this selection will be rejected with an error message.
- If you select Constant, then your next step will request that you enter the constant value. (Figure 11b)
- If you select File Column (Figure 11c), then the next step is to select the source file column for this target SMV field. (Figure 11c.1)
- Next you will select the Translation Type for the selected file column's value. That can be either "Copy Value", Date, IPSG Date format, or Lookup Table.
  - The application will analyze the file and predict the best selection for this field.
  - In Figure 11c.2 we select the Translation Type of "Copy Value" since we want the exact value in the file for the target SMV field of Document Number. When we click the Next button this column mapping is complete as shown in Figure 11c.3.
- Defining the translation type of Lookup is showing in the Figure 11d and Figures 11d.x.
  - First you select the file column field source (Figure 11d.1),
  - then you select the translation type of Lookup (Figure 11d.2),
  - then you define the Lookup Mappings (Figure 11d.3)
    - Pressing the "Auto Map" button will find the most likely value for each lookup mapping. Note that "Auto Map" does not always work. You may need to define each mapping yourself.
  - You will see the finished lookup mappings in Figure 11d.4
- Defining a translation type of "IPSG Date" is shown in Figure 11f.1 and 11f.2.
- To ignore all the remaining optional SMV columns click the "Ignore All" button as in Figure 11g.1 and see the result in Figure 11g.2.

Figure 11a (Ignore this field)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

**Step 1: Select Source Type**

Select the source for this target column

Target SMV Column

Column Name: National Reference

Column Type: String

Display Type: Text

Is Required?: No

Select Source:

Ignore

File Column

Constant

< Previous   Next >   Cancel

Figure 11b (Select constant value)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Constant Value

Target SMV Column

Column Name	Registration Country
Column Type	Lookup
Display Type	Lookup
Is Required?	No

Selections:

Source Type	Constant
-------------	----------

Enter:

Constant Value	United States (324)
----------------	---------------------

< Previous   Finish   Cancel

Figure 11c (Step 1: Select source type – File Col.)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Step 1: Select Source Type

Select the source for this target column

Target SMV Column

Column Name	VIN
Column Type	String
Display Type	Text
Is Required?	Yes

Select Source:

Ignore

File Column

Constant

< Previous   Next >   Cancel

Figure 11c.1 (Select Source File Column)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Source File Column

Target SMV Column

Column Name: VIN

Column Type: String

Display Type: Text

Is Required?: Yes

Selections:

Source Type: File\_Column

Select the Source File Column  
Click on the File Column's Header to Select

VIN	Make	Model	Color1	Registratio ^
V1848013990001	Tesla	Mustang	black	
V1848014020002	Fiat	C1500	grey	kgN
V1848014020003	Infiniti	Durango	red	SMjZUI
V1848014020004	Nissan	Plad	green	zrGiQhq1
V1848014020005	Toyota	X10	blue	d
V1848014020006	Lexus	Q31	gold	L44
V1848014020007	Volkswagen	GX470	white	seyqdf
V1848014020008	Audi	Land Cruiser	black	zKVA5FYi
V1848014020009	Porsche	Camaro	grey	E
V1848014020010	Peugeot	Malibu	red	IVn

Selected File Column: VIN

< Previous   Next   Cancel

Figure 11c.2 (Select Translation Type - Copy)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Translation Type

Target SMV Column

Column Name: VIN

Column Type: String

Display Type: Text

Is Required?: Yes

Selections:

Source Type: File\_Column

Source Column: VIN

Sample Value: V1848013990001

Translation Type:

Copy Value

Date

IPSPG Date format (YYYYMMDD)

Lookup Table

< Previous   Next   Cancel

Figure 11c.3

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 4: Column Mappings

File Path:

Define the column mappings between the SMV record and the batch file.

Column Mappings:

SMV Column	Required	Complete	Source	File Col	Sample	Translation Type	Translated
VIN	Yes	Yes	File_Column	VIN	V18480...	Copy	V18480139...
Make	No	No	Undefined			Undefined	
Model	No	No	Undefined			Undefined	
Registration Mark	No	No	Undefined			Undefined	
Registration Country	No	Yes	Constant			Undefined	324
Color	No	No	Undefined			Undefined	
Theft Date	No	No	Undefined			Undefined	
Theft Country	No	No	Undefined			Undefined	
Office Reference	No	No	Undefined			Undefined	
National Reference	No	Yes	Ignore			Undefined	
Airbag Number	No	No	Undefined			Undefined	

Select a column mapping in the list above and click .....

Validation Messages:

Message

Make: The source must be defined.

Model: The source must be defined.

Registration Mark: The source must be defined.

Figure 11d (Defining a Lookup field)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Step 1: Select Source Type

Select the source for this target column

Target SMV Column

Column Name: Theft Country

Column Type: **Lookup**

Display Type: Lookup

Is Required?: No

Select Source:

Ignore

File Column

Constant

< Previous   Next   Cancel

Figure 11d.1 (Select the file column)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Source File Column

Target SMV Column

Column Name: Theft Country

Column Type: Lookup

Display Type: Lookup

Is Required?: No

Selections:

Source Type: File\_Column

Select the Source File Column  
Click on the File Column's Header to Select

nMark	Country of Regis...	Date of Theft	Country of Theft	National Ref	C ^
	CO	20240209	MX	3vvUuiLNG3T h...	n
	MX	20240208	CU	nBN0e eY3j	5
	PA	20240207	US	5jeDSBINNudY ...	P
	CO	20240206	FR	PSyJC1 V3qbZ	
	MX	20240205	ES		G
	PA	20240204	PA	QGHW4TS 4YX...	C
	CO	20240203	CO	C	r
	MX	20240202	MX	rXsFzMP 4CpxVJJ	d
	PA	20240201	CU	d c	s
	CO	20240131	US	sl RweM4 illl IKI	F

Selected File Column: **Country of Theft**

< Previous   Next   Cancel

Figure 11d.2 (Select the translation type)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Translation Type

Target SMV Column

Column Name: Theft Country

Column Type: Lookup

Display Type: Lookup

Is Required?: No

Selections:

Source Type: File\_Column

Source Column: Country of Theft

Sample Value: MX

Translation Type:

Copy Value  
 Date  
 IPSPG Date format (YYYYMMDD)  
 Lookup Table

< Previous   Next   Cancel

Figure 11d.3 (Define lookup mappings)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Define Lookup Mappings

Target SMV Column

Column Name: Theft Country

Column Type: Lookup

Display Type: Lookup

Is Required?: No

Selections:

Source Type: File\_Column

Source Column: Country of Theft

Translation Type: Lookup

Lookup Mappings:

Number	File Value	Number Found	IPSPG Code	English Name
1	CO	7		
2	CU	2		
3	ES	5		
4	FR	4		
5	MX	1		

Edit selected ..... Edit...   Automatically map values   Auto Map

Statistics:

Number In File: 7   Complete: 0   Remaining: 7

< Previous   Finish   Cancel

Figure 11d.3.a



Figure 11d.3.b (After clicking “Auto Map” button)

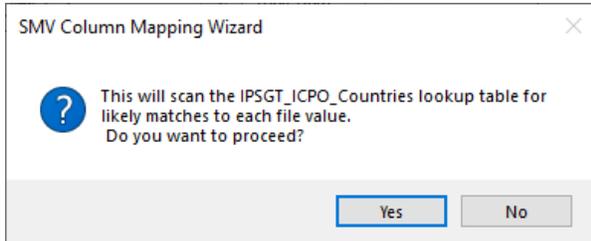


Figure 11d.4 (After running the “Auto Map” feature)

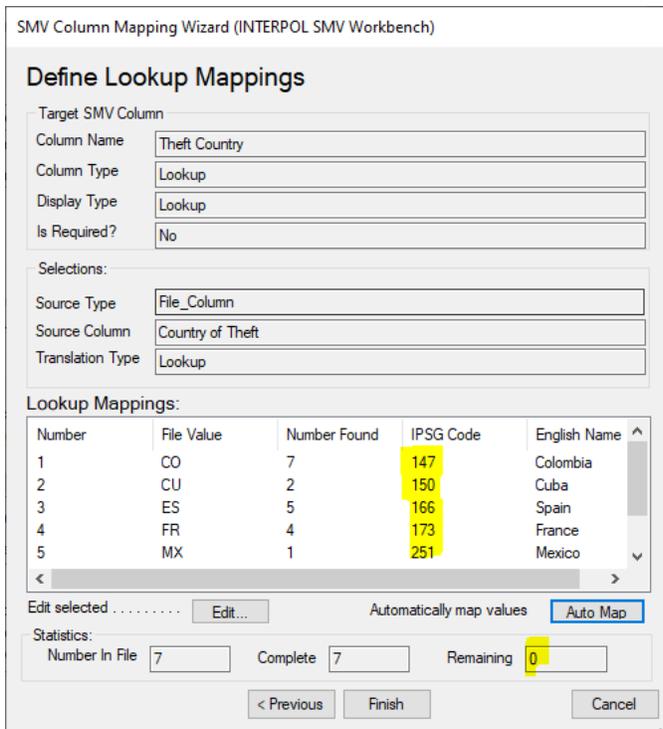


Figure 11d.5 (after Theft Country mapping done)

SMV Batch File Upload (INTERPOL SMV Workbench)

### Step 4: Column Mappings

File Path:

Define the column mappings between the SMV record and the batch file.

Column Mappings:

SMV Column	Required	Complete	Source	File Col	Sample	Translation Type	Translated
VIN	Yes	Yes	File_Column	VIN	V18480...	Copy	V18480139..
Make	No	No	Undefined			Undefined	
Model	No	No	Undefined			Undefined	
Registration Mark	No	No	Undefined			Undefined	
Registration Country	No	Yes	Constant			Undefined	324
Color	No	No	Undefined			Undefined	
Theft Date	No	No	Undefined			Undefined	
Theft Country	No	Yes	File_Column	Country ...	MX	Lookup	251
Office Reference	No	No	Undefined			Undefined	
National Reference	No	Yes	Ignore			Undefined	
Airbag Number	No	No	Undefined			Undefined	

Select a column mapping in the list above and click

Validation Messages:

Message

Make: The source must be defined.  
 Model: The source must be defined.  
 Registration Mark: The source must be defined.

Figure 11e (Mapping for Color)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Define Lookup Mappings

Target SMV Column

Column Name:

Column Type:

Display Type:

Is Required?:

Selections:

Source Type:

Source Column:

Translation Type:

Lookup Mappings:

Number	File Value	Number Found	IPSG Code	English Name
1	black	1	BLA	Black
2	blue	5	BLU	Blue
3	gold	6	YELG	Gold
4	green	4	GRE	Green
5	grey	2	GRY	Grey
6	red	3	RED	Red
7	white	7	WHI	White

Edit selected   Automatically map values

Statistics:

Number In File:  Complete:  Remaining:

Figure 11f.1 (Date of Theft – File Column)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Source File Column

Target SMV Column

Column Name: Theft Date  
 Column Type: DateTime  
 Display Type: Date  
 Is Required?: No

Selections:

Source Type: File\_Column

Select the Source File Column  
 Click on the File Column's Header to Select

RegistrationMark	Country of Regis...	Date of Theft	Country of Theft	National Ref
gN	CO	20240209	MX	3vvUuiLNG:
3MjZUI	MX	20240208	CU	nBN0e eY3j
rGiQhq1	PA	20240207	US	5jeDSBINNL
j	CO	20240206	FR	PSyJC1 V3qt
.44	MX	20240205	ES	
eyqdf	PA	20240204	PA	QGHW4TS.
:KVA5FYi	CO	20240203	CO	C
E	MX	20240202	MX	rXsFzMP 4Cj
v/n	PA	20240201	CU	d c
	CO	20240131	US	el PnwM4 il

Selected File Column: Date of Theft

< Previous Next Cancel

Figure 11f.2 (Date of Theft Translation Type)

SMV Column Mapping Wizard (INTERPOL SMV Workbench)

### Select Translation Type

Target SMV Column

Column Name: Theft Date  
 Column Type: DateTime  
 Display Type: Date  
 Is Required?: No

Selections:

Source Type: File\_Column  
 Source Column: Date of Theft  
 Sample Value: 20240209

Translation Type:

Copy Value  
 Date  
 IPSP Date format (YYYYMMDD)  
 Lookup Table

< Previous Next Cancel

Figure 11g.1 (Before click of “Ignore All” button)

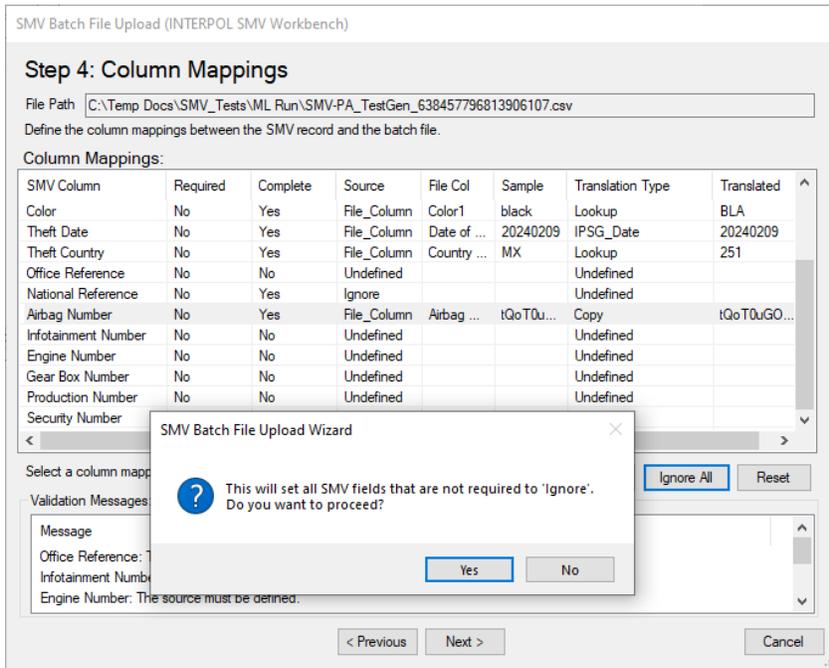
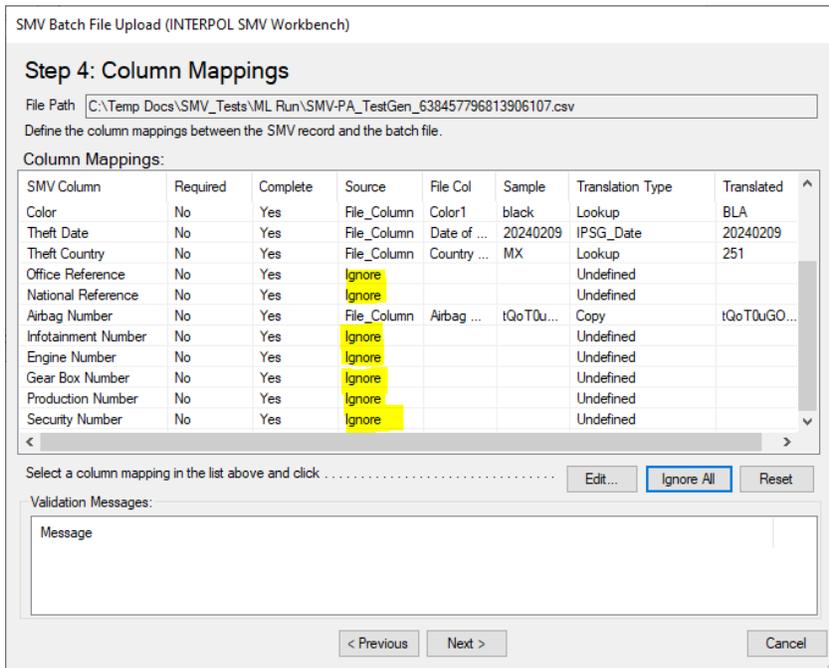


Figure 11g.2 (after click of “Ignore All” button)



## View Archived Batch Uploads

To view an archive of all previously uploaded batches click the “Archive” button on the main screen. In the “SMV Archive” dialog click the “Batches” button to open the “SMV Batch Uploads Archive” dialog. This dialog will be empty if you have not yet uploaded any batches.

You can go back to the archive and play back the “Failed Lines” file after making fixes to these lines. You can also go back and review the log file to check for the cause of any errors that occurred. (Figure 12e)

Figure 12a

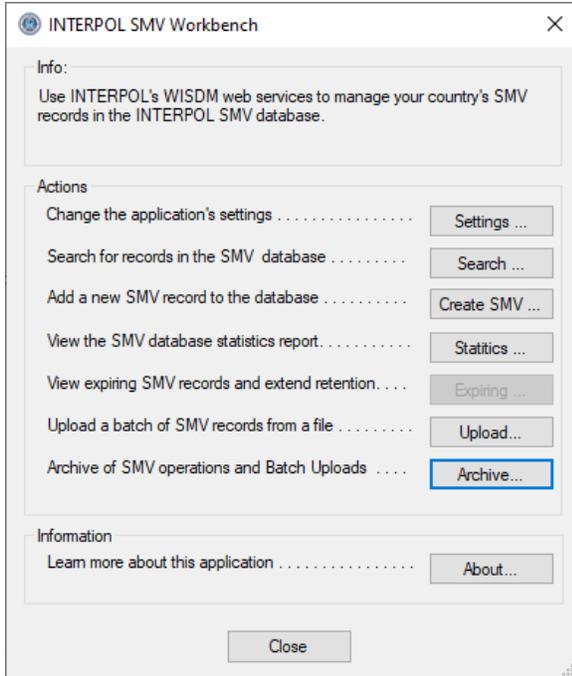


Figure 12b

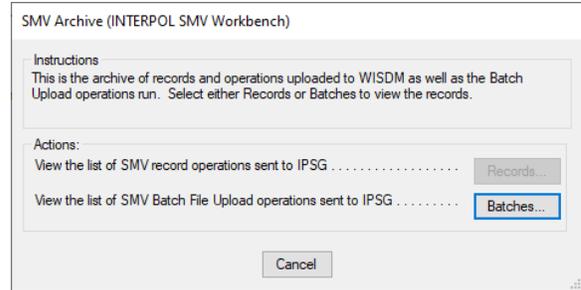


Figure 12c

SMV Batch Uploads Archive (INTERPOL SMV Workbench)

Instructions  
This is the list of all previously Batch Upload operations. You can select a record to view its details, or even resume a cancelled upload.

Run On	File	Status	Lines	Remaining	Success	Failures	Duration	Threads
3/11/2024 10:25...	SMV-PA_TestG...	Complete	1,001	0	1,001	0	0:00:24.243...	17
3/11/2024 10:14...	SMV-PA_TestG...	Complete	1,001	0	975	26	0:03:04.245...	10
3/7/2024 4:55 PM	SMV-PA_TestG...	Complete	101	0	101	0	0:00:04.039...	10

Summary of Selected

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457926282037563.csv

Status: Complete

Duration: 24 seconds

Metrics:

Lines in File: 1,001    Successes: 1,001    Creates: 1,000

Processed: 1,001    Failures: 0    Updates: 0

Remaining: 0

Details...

Cancel

Figure 12d

SLTD Batch Upload Archived Operation (INTERPOL SMV Workbench)

File Path: C:\Temp Docs\SMV\_Tests\ML Run\SMV-PA\_TestGen\_638457926282037563.csv

Run On: 3/11/2024 at 10:25 PM

Status: Complete

Duration: 24 seconds

Metrics:

Lines in File: 1,001    Successes: 1,001    Creates: 1,000

Processed: 1,001    Failures: 0    Updates: 0

Remaining: 0

Log File: C:\ProgramData\Interpol Washington\INTERPOL SMV Workbench    Open...

Failed Lines:    Open...

You can resume this upload if it was cancelled .....    Resume...

Cancel

Figure 11e

- You can go back to the archive and play back the “Failed Lines” file after making fixes to these lines. You can also go back and review the log file to check for the cause of any errors that occurred.

SLTD Batch Upload Archived Operation (INTERPOL SMV Workbench)

File Path	C:\Temp Docs\SMV_Tests\ML Run\SMV-PA_TestGen_638457796813906107.csv		
Run On	3/11/2024 at 10:14 PM		
Status	Complete with Failures		
Duration	3 minutes, 4 seconds		

Metrics:

Lines in File	1,001	Successes	975	Creates	974
Processed	1,001	Failures	26	Updates	0
Remaining	0				

Log File

Failed Lines

You can resume this upload if it was cancelled .....

## Information About the Application

To view the About dialog that shows information about the application click the “About” button on the main screen.

Figure 12a

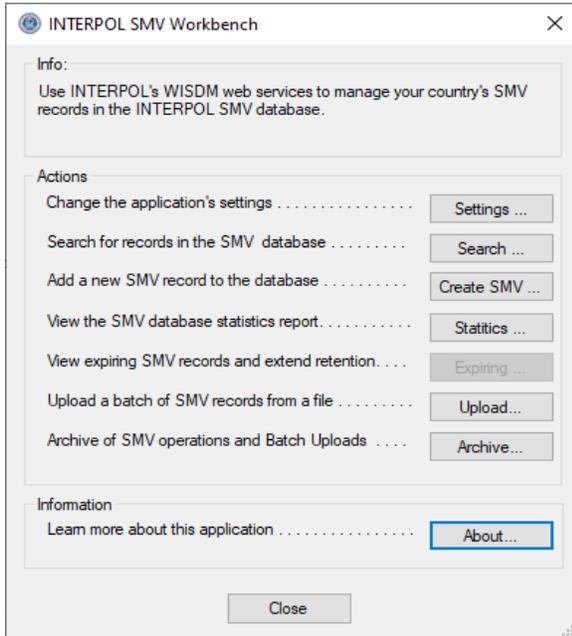


Figure 12b

