

auto connect WEBDIV

Bulk Vehicle Registration System (Belgium) CSV file format description

Version 2.6

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This document contains the description for the Autoconnect WEBDIV BULK vehicle registration system. This system allows fleet owners to register more than one vehicle in one operation at the Belgian government (DIV).

The system operates with exchanging data files between Autoconnect WEBDIV and the customer. The system is connection-less, i.e. a file with orders is sent by the customer, the customer disconnects, the file is processed, and finally the response file is prepared and available for download.

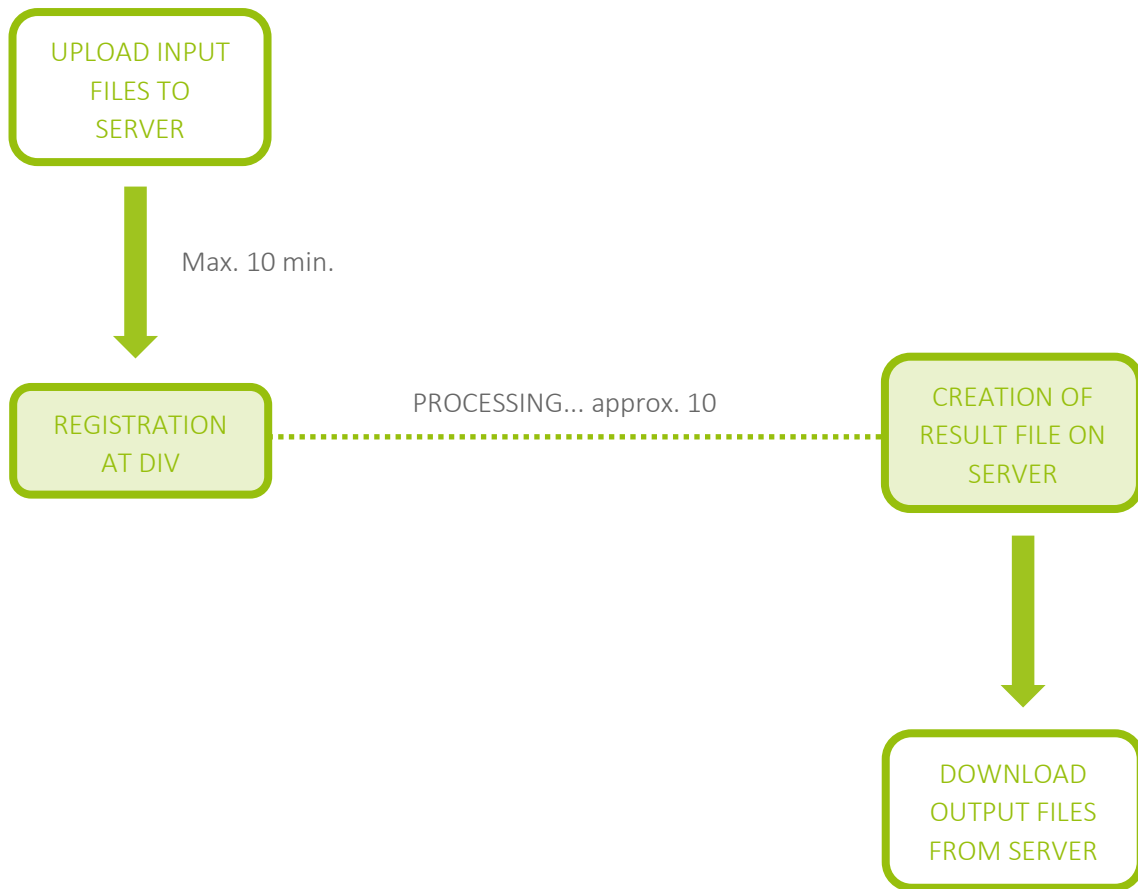
The customer sends DIVIN files to WEBDIV with registration requests. These files are processed by the WEBDIV server. After processing, WEBDIV generates a DIVOUT file and puts it in the (S)FTP folder of the customer, in order to be picked up.

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1. Process

Processing occurs daily (7/7) between 9.00 and 18.00 every 10 minutes.



2. CSV file layout

- The files have the following filename structure:
 - DIVIN_yyyymmdd_hhnnss.csv for the files from client application to Autoconnect WEBDIV
 - DIVAD_yyyymmdd_hhnnss.csv for the free address files from client application to Autoconnect WEBDIV
 - DIVOUT_yyyymmdd_hhnnss.csv for the files from Autoconnect WEBDIV to client application
- Abbreviations: yyyy = year, mm = month, dd = day, hh = hour, nn = minute, ss = second. Always use the full number of characters, so add zeroes for digits lower than 10. Use underscores in the filename instead of hyphens.
- Do not add or repeat the column headers (column names) on top of each document.
- Next records are on next lines. Lines are separated with line breaks (Lf) and carriage returns (Cr).
- Columns (fields) are separated with semicolons (;). Each column has to END with a semicolon, even if the last colon is an empty space.
This means that the last character of each line is a semicolon!
- Semicolons inside the fields' content are prohibited.
- Empty spaces are not filled up with space characters, except for OCAID.
- The maximum length indicated is maximum, not minimum or mandatory
- We need the 9 digit form number from the DIV Registration Request (pink form). This can be communicated in 2 ways: Through the field ReqDIVFormNumber or as the second part of Dossiernummer, after a pipe character (|).

3. FTP transport

- We exchange CSV (.csv) files between applications, accompanied by FLAG (.flg) files by FTP or SFTP server to ftp.webdiv.inmotiv.be.
- DIVIN files should be uploaded in the root folder of the FTP folder. DIVIN files resulting in an error on import, are moved to the /errors folder. DIVOUT files can be found in the /registered subfolder. After downloading the DIVOUT files, they should be moved to the /done folder.
- Each file is accompanied by a flag file .flg, which has the same first part of the filename as the CSV file, but with extension .flg. Ex.: DIVIN_yyyymmdd_hhnnss.flg
- Always upload first the CSV data files. Only upload the flag file after completion of the data file upload.
- An MD5 checksum should be calculated on the content of the DIVIN or DIVOUT CSV file and stored inside the .flg file. Not on the DIVAD file. If you do not have programming to calculate the MD5 hash, use an online service like <http://onlinemd5.com/>.
- After processing of a DIVIN file, DIVIN, DIVAD and flg files are moved to the /DONE folder.
- When an error occurs while processing a DIVIN file, DIVIN, DIVAD and flg files are moved to the /ERRORS folder.
- DIVOUT files with the registration results will be created in the /REGISTERED folder.
- The customer should poll for new DIVOUT files approximately 10 minutes after a DIVIN file had been uploaded.
- The customer's system should not poll for DIVOUT files more frequently than every 10 minutes.

4. Incoming CSV file format (client application to Autoconnect WEBDIV)

FIELD	MAX	MANDATORY OPTIONAL	OCCURS WHEN	FORMAT	EXPLANATION
Clientcode	3	M		EXT	Clientcode of registering company given by IMM
Accountname	20	M			Accountname
Dossiernummer and optionally DIV Form Number	20	M			Contract (car) number from internal application. If your contract number is 10 characters or shorter, you can use this field also for the 9-digit DIV form number after a pipe character, so in the format: contractnummer DIVFormNumber
OutputDate	10	M		YYYY-MM-DD	Date the registration request was issued by internal application
RequesterType	1	M		p or c	Type of requester: private or company
CustomerName	70	O			Optional: name of company that will use the vehicle
DriverName	70	O			Optional: name of person that will drive the vehicle
ReqNationalRegisterNumber	11	M ¹	¹ RequesterType: p		NationalRegisterNumber of the plate owner
Memodate	10	O		YYYY-MM-DD	Optional: date when registration should be executed
ReqENTRequester	10	M ¹	¹ RequesterType: c		Enterprise number of company which requests the plate
ReqChassisNumber	17	M			Vehicle's chassis number (without punctuation)
ReqControlCode	3	M			Control code from 705 document
ReqOCAID	5	M		Always 5 char.	FSMA number of insurance company. Add zeroes to get 5 chars.
ReqInsuranceRecordID	20	M			Insurance number for this car
ReqInsuranceStartDate	10	O		YYYY-MM-DD	Start date of vehicle insurance
ReqVehicleNewUsed	1	M		Y or N	Y = New Car, N = Used Car
ReqDIVFormNumber	9	M			9 digit form number from the pink form (X12)
—not used—	0	O			
ReqFormerPlateNumber	7	M ²	² Used Car		Latest plate number, without punctuation
ReqFormerRegistrationDate	10	M ²	² Used Car	YYYY-MM-DD	Date of latest registration certificate
ReqCertificateLang	2	M		DE/FR/NL	Requested language for the registration certificate
ReqReusedPlate	1	M ³	³ ReusedPlate = Y	Y or N	Indicates whether the owner wants to reuse an existing (7-char)

					plate
ReqReusedPlateNumber	7	M ³	³ ReusedPlate = Y		The plate number that is reused (without punctuation)
ReqExternalBroker	28	O		Memberid=... Enterprisenum ber=...	When filled, the registration request will not yet be executed but will be forwarded to another Autoconnect Webdiv client. Use either format: "Memberid=123456" or "Enterprisenum=0999888777".
ReqFrontplate	1	M		Y or N	Whether or not the frontplate is requested
ReqFrontplateDestination	1	M	ReqFrontplate = Y	1 or 2	1 = Requester home address, 2 = Free Address In case this parameter is 2, a record must be added in the additional free delivery address file!
ReqPlateTypeRectangular	1	M		1, 2 or 3	1 = square, 2 = rectangle (default), M = moto, P = pedelec/scooter
ReqExpressDelivery	1	M		1 or 2	1 = express delivery, 2 = normal delivery
ReqDeliveryAddress	1	M		1 or 2	1 = Requester home address, 2 = Free Address In case this parameter is 2, a record must be added in the additional free delivery address file!

5. Incoming free delivery address CSV file format (client application to Autoconnect WEBDIV)

If at least one free address chosen in main data file, this separate file must be added.

FIELD	MAX	MAN/OPT	OCCURS WHEN	FORMAT	EXPLANATION
Dossiernummer only	20	M			Contract (car) number from internal application, reference to main file! Dossiernummer only. Not followed by DIV Form Number.
DeliveryFirstName	25	M			First name of receiver at delivery address
DeliveryLastName	50	M			Last name of receiver at delivery address
DeliveryStreet	50	M		Min. length: 1	Delivery address street
DeliveryHouseNumber	11	M			Delivery address house number
DeliveryBoxNumber	4	O			Delivery address box number
DeliveryZip	6	M			Delivery address zip code
DeliveryCity	50	M		Min. length: 1	Delivery address city
DeliveryEmail	60	M			E-mail of receiver at delivery address
DeliveryPhone	13	M			Phone of receiver at delivery address
DeliveryRemark	180	O			Remark about delivery address

6. Outgoing CSV file format (Autoconnect WEBDIV to client application)

FIELD	MAX L	OCCURS WHEN	FORMAT	EXPLANATION
Clientcode	3			Client code of registering company given by AC
Dossiernummer and optionally DIV Form Number	20			Contract (car) number from internal application, optionally followed by pipe () and 9 digit DIV Form Number
OutputDate	10		YYYY-MM-DD	Date the registration request was issued by internal application
RequesterType	1		p or c	Type of requester: private or company
CustomerName	70			Optional: name of company that will use the vehicle
DriverName	70			Optional: name of person that will drive the vehicle
ReqNationalRegisterNumber	11	RequesterType: p		NationalRegisterNumber of the plate owner
Memodate	10		YYYY-MM-DD	Optional: date when registration should be executed
ReqENTRequester	10			Enterprise number of company which requests the plate
ReqChassisNumber	17			Vehicle's chassis number (without punctuation)
ReqControlCode	3			Control code from 705 document
ReqOCAID	5		Always 5 char.	CDV number of the car's insurance company
ReqInsuranceRecordID	20			Insurance number for this car
ReqInsuranceStartDate	10		YYYY-MM-DD	Start date of vehicle insurance
ReqDIVFormNumber	9			9 digit form number from the pink form (X12)
--not used--	0			
ReqFormerPlateNumber	7	Used Car		Latest plate number, without punctuation
ReqFormerRegistrationDate	10	Used Car	YYYY-MM-DD	Date of latest registration certificate
ReqCertificateLang	2			Requested language for the registration certificate
ReqReusedPlate	1		Y or N	Whether the owner wants to reuse an existing plate.
ReqReusedPlateNumber	7	When ReusedPlate = Y		The plate number that is reused (without punctuation)

OwnerFullName	35			Both last name and first name as known by DIV
OwnerStreet	40			As known by DIV
OwnerHouseNumber	4			As known by DIV
OwnerBoxNumber	4			As known by DIV
OwnerZIP	6			As known by DIV
OwnerCity	31			As known by DIV
SellerName	35			As known by DIV
SellerStreet	40			As known by DIV
SellerZIP	6			As known by DIV
SellerCity	31			As known by DIV
VehicleCarDesc	30			Short textual description of the vehicle (make, model)
VehicleCarKind	30			Kind of car (break, berline, camion, ...)
VehicleNewUsed	1		Y or N	Indicates whether the vehicle is new or used
VehiclePVANumber	6			Number of agregation report
VehicleEnergyCode	30			Fuel type or car energy type
VehicleCylinder	5			Engine's cubic capacity
VehicleCarMake	4			Make
VehicleCarType	30			Model or type
VehicleColour	30			Colour
VehicleCarKW	3			Engine power in kilowatts (kW)
VehicleCarMass	5			Vehicle's mass (kg) when ready to work
VehicleMaxWght	9			Maximum mass of the loaded vehicle
VehicleMaxWghtTrailer	9			Maximum mass of the loaded vehicle and trailer
VehicleNbrSeated	2			Number of seated places
VehicleNbrStanding	2			Number of standing places
VehicleFirstRegistrationDate	10		YYYY-MM-DD	First registration of vehicle. RegistrationDate for new vehicles
RegistrDIVRecordID	6			Identifier of the registration, assigned by DIV
RegistrRegistrationDate	10		YYYY-MM-DD	This registration's date
RegistrPlateNumber	7			Newly registered platenumber. Without punctuation

ReqExternalBroker	28			Other Autoconnect Webdiv client the registration request will be forwarded to.
RegistrEndDate	10			End of validity of the plate
--Empty--				Field will be empty
--Empty--				Field will be empty
--Empty--				Field will be empty
ReqFrontplate	1		Y or N	Whether or not the frontplate is requested
ReqFrontplateDestination	1	When ReqFrontplate = Y	1 or 2	1 = Requester home address, 2 = Free Address
ReqPlateTypeRectangular	1		1, 2 or 3	1 = square, 2 = rectangular, 3 = small square
ReqExpressDelivery	1		1 or 2	1 = express delivery, 2 = normal delivery
ReqDeliveryAddress	1		1 or 2	1 = Requester home address, 2 = Free Address
ReqETG	20			European Vehicle Type Approval Number (ETG number)
ReqVariant	25			Variant identification of the vehicle
ReqVersie	35			Version identification of the vehicle
Succeeded	1		Y or N	Y when the registration succeeded, N when unsuccessful.
Errors	20			List of error codes separated by commas
CO2	4		<i>Nr. or 0000</i>	<i>Optional field depending on your contract</i>