



## Vehicle data information products

### Number in circulation (BEST), new registrations (NEUZU) and used vehicle imports (GEBR)

Version date: 28 Sep. 2022, subject to change.

| Data record     | Contents   | Layout; format; remarks   |
|-----------------|--|---|
| <b>BEST</b>     | All vehicles in circulation (Switzerland and FL on a given date).  | Every row in the data record represents the data of a specific vehicle;<br><br>Txt file, line-separated;<br><br>BEST and BEST_R have over one million lines. Other files will be shorter. They can be copied directly into an Excel file for further processing.<br><br><b>Suffix _R:</b> Data record with geographical information down to the postal code (PLZ) |
| <b>BEST_R</b>   | Data based on specified date.  |   |
| BEST(_R)_ANH    | as for BEST, but only trailers   |   |
| BEST(_R)_MOTO   | as for BEST, but only vehicle models 060 to 068  |   |
| BEST(_R)_ANDERE | as for BEST, but only vehicle models 002-024, 035-052, 080-084   |   |
| <b>NEUZU</b>    | New registrations for vehicles in Switzerland or PL. Not for vehicles with a first-time authorization for another country.   | Overview of vehicle categories: see below   |
| <b>NEUZU_R</b>  | Results for January will give total authorization for the previous calendar year. All other months will give total authorizations since the start of the current year. Data based on the query date.   |   |
| <b>GEBR(_R)</b> | Imported used vehicles, i.e. vehicles that had their initial authorization in a country other than Switzerland and PL, and were authorized for Swiss roads for the first time during the current year. |   |

#### Changes for 2022:

- Vehicles can be registered by electronic Certificate of Conformity (eCOC). These vehicles will not be assigned a type approval number. They will receive the entry IVI (initial vehicle information). For type identification, the new data type, variant and version are given for these vehicles, as well as the hybrid code.
- The CO2\_WLTP and electrical consumption data are now available.
- The energy efficiency category is now only disclosed for new registrations because the recalculation of the categories at the turn of the year is not fully updated in the inventory data.
- Freely available data records (=without suffix \_R) receive a column with the data status, because this is not apparent in the name.

#### Change from 1.10.2022

- New column Fahrgestell-Nr\_Teil (anonymised VIN)
- Columns with designations for fuel, plate colour, plate type and special\_use removed to reduce file size. The designations can be taken from the code table ([www.ivz-opedata.ch](http://www.ivz-opedata.ch)).

| Data_fields_within_the_data_record: |   | BEST                                 | BEST_R                                     | NEUZU | NEUZU_R | GEBR | GEBR_R |
|-------------------------------------|---|--------------------------------------|--|-------|---------|------|--------|
| Data_field                          | Explanation   | BEST_ANH<br>BEST_MOTO<br>BEST_ANDERE | BEST_R_ANH<br>BEST_R_MOTO<br>BEST_R_ANDERE |       |         |      |        |
| 1. Fahrzeugklasse                   | Vehicle_class: European vehicle segment   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 2. Fahrzeugart_Code                 | Vehicle_category: Swiss vehicle classification, item 19 in the vehicle registration certificate   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 3. Fahrzeugart                      |   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 4. Marke_Code                       | Make_code: Official make code, based on country and manufacturer  | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 5. Marke                            | Make: Vehicle make  | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 6. Marke_und_Typ                    | Make_and_model: Make and precise model of vehicle as per model authorization or description provided by the traffic expert. Item 21 in the vehicle registration certificate.  | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 7. Typ1                             | model1-4: Excerpted data from the "Make" and "Make and model" fields.   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 8. Typ2                             |   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 9. Typ3                             | Removes make information and separates model designation at spaces.   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 10. Typ4                            |   | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
| 11. Typengenehmigungs-Nr            | Model_approval_number: Number of the model approval for Switzerland, also called certificate of conformity.<br>For direct imports: X or blank; parallel imports: .X....; imports authorized by the manufacturer: all other letters. | ✓                                    | ✓  | ✓     | ✓       | ✓    | ✓      |
|                                     | In case of approval by eCOC (without Swiss type approval): IVI  |                                      |  |       |         |      |        |

|                                 |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|
| 12. Typengenehmigungs-Nr_Zusatz | Model_approval_number_suffix:<br>M: Vehicle with technical modifications from the model that was approved<br>C: Vehicle category changed from that shown for the model approval number<br>X: Exempt from model approval but corresponds to an existing model approval<br>Y: Combination of X+M or X+C | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
|---------------------------------|---|---|---|---|---|---|---|

|                         |   |   |                |   |   |   |   |
|-------------------------|---|---|----------------|---|---|---|---|
| 13. Typ                 | Only for vehicles with approval by eCOC (see Model_approval_number). Type identification according to EU approval.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 14. Variante            | Only for vehicles with approval by eCOC (see Model_approval_number). Type identification according to EU approval.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 15. Version             | For all other vehicles: empty.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 16. Fahrgestell-Nr_Teil | Anonymised VIN, suppressed digits are displayed as dots.<br>VIN: eleven of 17 digits shown.   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 17. Karosserieform_Code | Body type, for commercial vehicles also code for type of superstructure.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 18. Karosserieform      | Field 25 in the vehicle registration document.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 19. Farbe               | Colour: Dominant colour scheme, up to three colours, item 26 in the vehicle registration certificate.   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 20. Farbe_Zusatz        | Colour_details: e.g. metallic   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 21. Sitzplätze          | Number_of_seats: Number, as per item 27 in the vehicle registration certificate.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 22. Stzpläte_vorne      |   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 23. Stehplätze          | Standing_capacity: Number   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 24. Leergewicht         | Empty_weight: Item 30 in the vehicle registration certificate [kg].   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 25. Nutzlast            | Load_capacity: Item 32 in the vehicle registration certificate [kg].  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 26. Gesamtgewicht       | Loaded_weight: Item 33 in the vehicle registration certificate [kg].  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 27. Gesamtzuggewicht    | Total_traction_load: Item 35 in the vehicle registration certificate [kg].  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 28. Anhängelast         | Trailer_load_capacity: Item 31 in the vehicle registration certificate [kg].  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 29. Dachlast            | Roof_load_capacity: Item 55 in the vehicle registration certificate [kg].   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 30. Tankinhalt_Aufbau   | Capacity_of_cargo_tank: E.g. for tanker trucks.   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 31. Hubraum             | Capacity: Item 37 in the vehicle registration certificate [cc].   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 32. Zylinder            | Cylinders: Number   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 33. Leistung            | Engine_power: [kW]. For hybrid vehicles, the higher of the fitted motor/engine power. Item 76 in the vehicle registration certificate.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 34. Motorkennzeichen    | Engine_identification_letter  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 35. Treibstoff_Code     | Fuel_code   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 36. Treibstoff          | Fuel  | ✓ | see code table | ✓ | ✓ | ✓ | ✓ |
| 37. Hybridcode          | Only for vehicles with approval by eCOC (see Typengenehmigungs-Nr).<br><br>OVC-HEV=Plug-In Hybrid<br>NOVC-HEV=Non-Plug-In Hybrid<br>OVC-FCHV=Plug-in fuel cell<br>NOVC-FCHV=Non-Plug-In Fuel Cell<br>empty<br><br>Not available on vehicles without eCOC (N/A). | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 38. CO2-WLTP            | CO2 emissions [g/km] according to WLTP.   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 39. CO2-NEFZ            | CO2 emissions [g/km] according to NEDC.   | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 40. EI-Verbrauch        | Electric consumption in kWh/100km according to WLTP.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |
| 41. Emissionscode       | Emissions_code: Swiss emissions code. Item 72 in the vehicle registration certificate.  | ✓ | ✓              | ✓ | ✓ | ✓ | ✓ |

|                                  |   |            |                |          |               |            |               |
|----------------------------------|---|------------|----------------|----------|---------------|------------|---------------|
| 42. Energieeffizienzklasse       | Energy_efficiency_category: Current category, not the category on first authorization   |            |                | ✓        | ✓             | ✓          | ✓             |
| 43. Getriebe_Code                | Gearbox type (not how gears are shifted).   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 44. Getriebe                     |   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 45. Getriebe_Detailcode          | Gearbox_details_Code: Code for gearbox type and mode of operation.<br>First character: gearbox type (A=automatic, M=manual, S=shiftless, H=hydrostatic).<br>Number: number of gear speeds.<br>Other characters: mode or other design features (A=automatic mode; M=int., manual change or speeds for shiftless gearbox; S=clutchless manual shift). | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 46. Antrieb_Code                 | Drive_code  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 47. Antrieb                      | Drive: Off-road capability declared as per art. 12 of the Ordinance on Technical Requirements for Road Vehicles (VTS).  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 48. Achsen                       | Axles: Number   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 49. Erstinverkehrsetzung_Jahr    | Date of first registration of vehicle.  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 50. Erstinverkehrsetzung_Monat   | For imported used vehicles: date for that country.  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 51. Erstinverkehrsetzung_Kanton  | First_registration_canton   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 52. Erstinverkehrsetzung_Staat   | First_registration_country: If Switzerland: leave blank   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 53. Gebrauchcode                 | Used_vehicle_code:<br>A=imported used vehicle, date of first registration in country of origin known;<br>G=First registration was in Switzerland, used vehicle operated for >20 hours or >2000 km or<br>Date of first registration in country of origin not known.  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 54. Ersterfassungsdatum_Jahr     | Swiss_registration_year/month: Date vehicle was registered in Switzerland, used only for vehicles that were imported in used condition.   | (✓)        | (✓)            |          |               | ✓          | ✓             |
| 55. Ersterfassungsdatum_Monat    |   | (✓)        | (✓)            |          |               | ✓          | ✓             |
| 56. Schildfarbe_Code             | Colour of number plate  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 57. Schildfarbe                  |   | ✓          | see code table | ✓        | ✓             | ✓          | ✓             |
| 58. Schildart Code               | Type of number plate  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 59. Schildart                    |   | ✓          | see code table | ✓        | ✓             | ✓          | ✓             |
| 60. Inverkehrsetzung_Status_Code | Registration_status_Code: I=registered; A=not registered  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 61. Inverkehrsetzung_Kanton      | Registration_canton: Current canton of registration (as shown on number plate).   | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 62. PLZ                          | Postal_code, Location,  | two digits | ✓              | two dig. | ✓             | two digits | ✓             |
| 63. Ort                          | BFS_municipal_number, Country_Code,   |            | ✓              |          | ✓             |            | ✓             |
| 64. BFS-Gemeinde-Nr              | Country:  |            | ✓              |          | ✓             |            | ✓             |
| 65. Staat_Code                   | If given: vehicle location.<br>otherwise: location of current or last known owner.  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 66. Staat                        | Municipal number issued by statistics office (BFS): postal code indication (approximate).<br>Foreign address: typically used for temporary plates (e.g. for vehicle delivery).  | ✓          | ✓              | ✓        | ✓             | ✓          | ✓             |
| 67. Halterart_Code               | Owner_category  |            | ✓              |          | ✓             |            | ✓             |
| 68. Halterart                    |   |            | ✓              |          | ✓             |            | ✓             |
| 69. Altersklasse_Halter          | Owner_age_group: Age rounded down to whole years, then allocated to ten-year age groups.  |            | ✓              |          | ✓             |            | ✓             |
| 70. Besondere_Verwendung_Code    | Special_use: Item 17 in the vehicle registration certificate.   |            | ✓              |          | ✓             |            | ✓             |
| 71. Besondere_Verwendung         |   |            | see code table |          | ✓             |            | ✓             |
| 72. Datenstand                   | Database status at the time of the query,   | ✓          | See file name  | ✓        | See file name | ✓          | See file name |
| 73. Neuzulassung_von             | New registrations included in the data set.   |            |                | ✓        |               |            |               |
| 74. Neuzulassungen_bis           |   |            |                | ✓        |               |            |               |

Vehicle category as per data record

| Vehicle category |                              | approximate number on the road<br>(=number of rows in BEST data record) | BEST(_R)<br>NEUZU(_R)<br>GEBR(_R) | BEST(_R)<br>_ANH | BEST(_R)<br>_MOTO | BEST(_R)<br>_ANDER |
|------------------|------------------------------|---|-----------------------------------|------------------|-------------------|--------------------|
| 001              | Passenger car                | Personenwagen   | 4 600 000                         | ✓                |                   |                    |
| 002              | Heavy passenger car          | Schwerer Personenwagen  | 620                               | ✓                |                   | ✓                  |
| 010              | Light motor vehicle          | Leichter Motorwagen   | 55 000                            | ✓                |                   | ✓                  |
| 011              | Heavy motor vehicle          | Schwerer Motorwagen   | 5 300                             | ✓                |                   | ✓                  |
| 020              | Coach or bus                 | Gesellschaftswagen  | 7 200                             | ✓                |                   | ✓                  |
| 021              | Minibus                      | Kleinbus  | 6 200                             | ✓                |                   | ✓                  |
| 022              | Articulated bus              | Gelenkbus   | 1 800                             | ✓                |                   | ✓                  |
| 024              | Articulated trolley bus      | Gelenktrolleybus  | 320                               | ✓                |                   | ✓                  |
| 030              | Delivery vehicle             | Lieferwagen   | 380 000                           | ✓                |                   |                    |
| 035              | Goods truck (lorry)          | Lastwagen   | 49 000                            | ✓                |                   | ✓                  |
| 036              | Light articulated vehicle    | Leichtes Sattelmotorfahrzeug  | 6                                 | ✓                |                   | ✓                  |
| 037              | Heavy articulated vehicle    | Schweres Sattelmotorfahrzeug  | 66                                | ✓                |                   | ✓                  |
| 038              | Articulated truck (lorry)    | Sattelschlepper   | 12 000                            | ✓                |                   | ✓                  |
| 042              | Tow tractor                  | Traktor   | 5 000                             | ✓                |                   | ✓                  |
| 043              | Farm tractor                 | Landwirt. Traktor   | 140 000                           | ✓                |                   | ✓                  |
| 050              | Utility                      | Arbeitsmaschine   | 16 000                            | ✓                |                   | ✓                  |
| 051              | Industrial utility vehicle   | Arbeitskarren   | 32 000                            | ✓                |                   | ✓                  |
| 052              | Farm utility vehicle         | Landw. Arbeitskarren  | 9 700                             | ✓                |                   | ✓                  |
| 060              | Motorcycle                   | Motorrad  | 650 000                           | ✓                | ✓                 |                    |
| 061              | Small motorcycle             | Kleinmotorrad   | 21 000                            | ✓                | ✓                 |                    |
| 062              | Three-wheel motorcycle       | Motorrad-Dreirad  | 570                               | ✓                | ✓                 |                    |
| 063              | Motorcycle sidecar           | Motorrad-Seitenwagen  | 3 000                             | ✓                | ✓                 |                    |
| 064              | Small three-wheel motorcycle | Kleinmotorrad-Dreirad   | 6 800                             | ✓                | ✓                 |                    |
| 065              | Lightweight ATV              | Leichtmotorfahrzeug   | 150                               | ✓                | ✓                 |                    |
| 066              | Small ATV                    | Kleinmotorfahrzeug  | 16 000                            | ✓                | ✓                 |                    |
| 067              | Three-wheel ATV              | Dreirädr. Motorfahrzeug   | 3 500                             | ✓                | ✓                 |                    |
| 068              | Snowmobile                   | Motorschlitten  | 1 200                             | ✓                | ✓                 |                    |
| 080              | Motor cart                   | Motorkarren   | 22 000                            | ✓                |                   | ✓                  |
| 081              | Farm motor cart              | Landw. Motorkarren  | 33 000                            | ✓                |                   | ✓                  |
| 082              | Powered wheelbarrow          | Motoreinachser  | 280                               | ✓                |                   | ✓                  |
| 083              | Walk-behind tractor          | Landw. Motoreinachser   | 8 200                             | ✓                |                   | ✓                  |
| 084              | Farm ATV                     | Landw. Kombinations-Fahrzeug  | 32                                | ✓                |                   | ✓                  |
| 085              | Farm trailer                 | Landw. Anhänger   | 12 000                            | ✓                | ✓                 |                    |
| 086              | Motorcycle trailer           | Motorradanhänger  | 6 500                             | ✓                | ✓                 |                    |
| 087              | Farm utility trailer         | Landw. Arbeitsanhänger  | 8 000                             | ✓                | ✓                 |                    |
| 088              | Caravan semitrailer          | Sattel-Wohnanhänger   | 120                               | ✓                | ✓                 |                    |
| 089              | Semitrailer                  | Sattel-Anhänger   | 120                               | ✓                | ✓                 |                    |
| 090              | Cargo trailer                | Sachtransportanhänger   | 290 000                           | ✓                | ✓                 |                    |
| 091              | Passenger trailer            | Personentransportanhänger   | 100                               | ✓                | ✓                 |                    |
| 092              | Caravan                      | Wohnanhänger  | 34 000                            | ✓                | ✓                 |                    |
| 093              | Sport trailer                | Sportgeräteeanhänger  | 21 000                            | ✓                | ✓                 |                    |
| 094              | Utility trailer              | Arbeitsanhänger   | 48 000                            | ✓                | ✓                 |                    |
| 095              | Cargo semitrailer            | Sattel-Sachtransportanhänger  | 18 000                            | ✓                | ✓                 |                    |
| 097              | Sport semitrailer            | Sattel-Sportgeräteeanhänger   | 26                                | ✓                | ✓                 |                    |
| 098              | Utility semitrailer          | Sattel-Arbeitsanhänger  | 210                               | ✓                | ✓                 |                    |
| 099              | Trailer                      | Anhänger  | 6 400                             | ✓                | ✓                 |                    |

Vehicles counted, by used vehicle code and first registration country:

| Gebrauchcode<br>Used vehicle code | Erstinverkehrsetz<br>ung_Staat<br>First registration<br>country | BEST<br>BEST_R<br>BEST_ANH<br>BEST_MOTO<br>BEST_ANDERE | NEUZU<br>NEUZU_R<br>NEUZU_W | GEBR |
|-----------------------------------|---|--|-----------------------------|------|
| empty                             | empty   | ✓  | ✓                           |      |
| empty                             | PL  | ✓  | ✓                           |      |
| empty                             | neither empty<br>nor PL   | ✓  |                             | ✓    |
| G                                 | empty   | ✓  |                             | ✓    |
| G                                 | PL  | ✓  |                             | ✓    |
| G                                 | neither empty<br>nor PL   | ✓  |                             | ✓    |
| A                                 | empty   | ✓  |                             | ✓    |
| A                                 | PL  | ✓  | ✓                           |      |
| A                                 | neither empty<br>nor PL   | ✓  |                             | ✓    |