# File Format Specification

Vehicle Registration Form

# CONTENTS

# 1  Document Changes

| Version | Date | Change |
|---|---|---|
| 0.1 (Draft) | 01/05/2002 | • Document Created. |
| 0.2 (Draft) | 13/06/2002 | • Complete list of validation rules in section 4. |
| 0.3 (Draft) | 16/07/2002 | • 'RN' no longer required prefix to Receipt Number.<br>• Short-Term Vehicle Hire and Long-Term Vehicle Hire amalgamated to Vehicle Hire.<br>• Transaction Type codes changed.<br>• Wheelbase added to Vehicle Amendments.<br>• Long-Term Deferred Payment Method changed to Long Deferred.<br>• Transaction Type validation changed.<br>• Owner Tan validation changed.<br>• Payer TAN validation changed.<br>• Payment Method validation changed.<br>• Dealer TAN changed to Filing TAN.<br>• Document format changed. |
| 0.4 (Draft) | 25/07/2002 | • Added doclanguage attribute.<br>• Vehicle Length validation changed.<br>• Vehicle Width validation changed.<br>• Vehicle Wheelbase validation changed. |
| 0.5 (Draft) | 30/07/2002 | • Root element changed to VehicleRegistrationFile. This is to cater for multiple Vehicle Registrations within a single file.<br>• Form element changed to VehicleRegistration. |
| 0.6 (Draft) | 03/09/2002 | • Method of payment values changed. |
| 0.7 (Draft) | 16/09/2002 | • CategoryC element added to the TaxCategory element.<br>• Changed the validation on Upload to the Birth Cert Number and the Statistical Code such that there must be a C02 value associated.<br>• Changed the validation of the Statistical Code on Upload.<br>• Changed the Transaction Type codes.<br>• Corrected the Payment Method codes in the Document Type Definition. |
| 0.8 | 15/11/2002 | • Root element changed to VRTRegistrationFile.<br>• Form element changed to VRTRegistration.<br>• Removed all leading zeros from Transaction Type codes<br>• The value of the owner attribute in the VehicleID element should be either Company | Individual rather than company | individual |
| 0.9 | 06/01/2003 | • Added attribute countryconsigned to the VehicleID element.<br>• Amended validation list to include the countryconsigned attribute.<br>• Updated validations rules for the repaytan attribute of the TaxDetails element.<br>• Updated validation rule for the descriptionextras attribute of the CategoryAB element.<br>• Updated validation rule for the title, firstname, surname attributes of the Individual element.<br>• Updated validation rule for the name attribute of the Company element.<br>• Updated validation rules for the line1, line2, line3 |

| | | |
|---|---|---|
| | | and town attributes of the Address element. |
| 0.91 | 26/06/2006 | • Addition of Flexible Fuel to engine type. |
| 0.10 | 27/11/2010 | Addition of the attributes below to the VehicleID element.<br>• euvehicleclassification<br>• euvehiclebodywork<br>Added Appendix E – Mapping between EU Vehicle Classification and EU Vehicle Bodywork. |
| 0.11 | 08/07/2011 | • DTD definition updated: Added new bodywork (EU Vehicle Bodywork) attribute values codes AG, BE, BX, CI, CJ.<br>• Appendix E updated with new list of valid EU Vehicle Classification / EU Vehicle Bodywork combinations (changes highlighted in **red**).<br>• electricengine engine attribute added to VehicleID element |
| 0.12 | 29/08/2012 | • Updated DTD definition section - added new period attribute to the RegistrationNumber element.<br>• Updated Section 4 – Example Files to include a new example with the period.<br>• Update Validation Rules 103 – 108. Added rules 109 & 110. |
| 0.13 | 15/02/2013 | • Updated DTD definition section – added new sqi, ivanssta and amendedstatcode fields.<br>• Updated Section 4 – Example Files to include a example with the new fields.<br>• Update Validation Rules. Added rules 114 -118. |
| 0.14 | 12/09/2013 | • New Registration Districts<br>• Added Quadricyle to  Body Type Codes<br>• Added  Montenegro and Serbia to Country Codes |
| 0.15 | 02/12/2016 | • Updated Section 3.3 Vehicle ID optional/required attributes.<br>• Removed the Vehicle Amendments and Registration No. Sections from the document.<br>• Updated the examples of upload files in Section 4<br>• Updated Validation List in Section 5.<br>• Updated available Colour Codes in Appendix A |
| 0.16 | 14/12/2016 | • Section 5. Updated Validation items 33 & 34 to reflect them being non mandatory |
| 0.17 | 25/05/2018 | • New values  transactiontype requested by SIMI see Section 3.3 |
| 0.18 | 23/10/2018 | • New owner Types, Now Individual, Company, State, Other<br>• Eircode included in Address  Validation is here Eircode Validation<br>• Company Company Number Required, Company Name should not be entered<br>• State / Other New owner types, Company Name required , Company Number should not be entered |
| | | |

## 2  Document Type Definition

The VRT Vehicle Registration file should be a well-formed XML document conforming to the DTD below:

```
<!DOCTYPE VRTRegistrationFile [
  <!ELEMENT VRTRegistrationFile (VRTRegistration+)>
  <!ATTLIST  VRTRegistrationFile
            formversion      (1)                          #REQUIRED
            language         (E|G)                        #REQUIRED
>
<!ELEMENT    VRTRegistration (VehicleID, VehicleAmendment?,
            TaxDetails?, OwnerDetails)>
<!ATTLIST    VehicleRegistration
            doclanguage      (E|G)                        #REQUIRED
>
<!ELEMENT    VehicleID EMPTY>
<!ATTLIST    VehicleID                                    #REQUIRED
            statcode         CDATA                        #REQUIRED
            birthcertno      CDATA                        #REQUIRED
            invoiceref       CDATA                        #REQUIRED
            transactiontype  (1|2|3|4|5|6|7|8)            #REQUIRED
            countryconsigned CDATA                        #REQUIRED
            category         (A|B|C|D|M)                  #REQUIRED
            enginesize       CDATA                        #IMPLIED
            hybridengine     (true|false)                 #IMPLIED
            filingtan        CDATA                        #REQUIRED
            ownertan         CDATA                        #IMPLIED
            owner            (Individual|Company | State | Other)
            #REQUIRED
            euvehicleclassification (L1|L2|L3|L4|L5|L6|
                             L7|M1|M2|M3|N1|N2|N3|T1|
                             T2|T3|T4|T5)                 #IMPLIED
            euvehiclebodywork (AA|AB|AC|AD|AE|AF|AG|BA|BB|
                             BC|BD|BE|BX|CA|CB|CI|CJ|
                             CX|SA|SB|SC|SD|SF|SG|SH|SX)  #IMPLIED
            co2emissions     CDATA                        #IMPLIED
            electricengine   (true|false)                 #IMPLIED
            sqi              CDATA                        #IMPLIED
>

<!ELEMENT    TaxDetails ((CategoryAB | CategoryC)?)>
<!ATTLIST    TaxDetails
            payertan         CDATA                        #REQUIRED
            paymentmethod    (E|L|D)                      #REQUIRED
>
<!ELEMENT    CategoryAB EMPTY>
<!ATTLIST    CategoryAB       CDATA                        #REQUIRED
            basicomsp        CDATA                        #REQUIRED
            valueextras      CDATA                        #IMPLIED
            descriptionextras CDATA                       #IMPLIED
>
<!ELEMENT    CategoryC EMPTY>
<!ATTLIST    CategoryC
            basicomsp        CDATA                        #IMPLIED
>
<!ELEMENT    OwnerDetails ((Individual | Company | State | Other)?,
            Address,  RegistrationNo?)>
<!ELEMENT    Individual EMPTY>
<!ATTLIST    Individual
```

```
                  title             CDATA                      #REQUIRED
                  firstname         CDATA                      #REQUIRED
                  surname           CDATA                      #REQUIRED
>
<!ELEMENT    Company EMPTY>
<!ATTLIST    Company
                  name              CDATA                      #REQUIRED
>
<!ELEMENT    Address EMPTY>
<!ATTLIST    Address
                  line1             CDATA                      #REQUIRED
                  line2             CDATA                      #IMPLIED
                  line3             CDATA                      #IMPLIED
                  town              CDATA                      #IMPLIED
                  county            CDATA                      #REQUIRED
                  eircode           CDATA                      #IMPLIED
>
```

# 3  Validation

The Vehicle Registration file will consist of a root VRTRegistrationFile element.

## 3.1  VRTRegistrationFile

The VRTRegistrationFile element has the following attributes:

| | | |
|---|---|---|
| formversion | Numeric, required | Must be equal to 1 for this version of the file format. Will change with each new edition of the form. |
| language | E or G, required | Language form was filed in.<br>E = English<br>G = Irish |

It then consists of one or more VRTRegistration elements.

## 3.2  VRTRegistration

The VRTRegistration element has the following attribute:

| | | |
|---|---|---|
| doclanguage | E or G, required | Language form was filed in.<br>E = English<br>G = Irish |

It then consists of one VehicleID element , an optional TaxDetails element and one OwnerDetails element.

## 3.3  VehicleID

The VehicleID element has the following attributes:

| | | |
|---|---|---|
| Statcode | Alpha, required | The statistical code for the vehicle (length 8). The Statistical Code must be of the format 999X9999 or 99999999 (where X is a character and 9 is a numeric).<br><br>The Statistical Code must conform to one of the following formats:<br>• (SIMI Code) First digit is a 0 or a 1 and the last digit is a 1, 2 or 3.<br>• (Revenue Code for New Vehicles) First digit is 4 and the last five digits fall within one of the following groupings:<br>   1. 10000 - 55999<br>   2. 70000 - 70999<br>   3. 3. 75000 – 75999<br>Where the fourth digit of the Statistical Code is not a numeric it must be within the following character set; a-h; j-n; p-z; A-H; J-N; P-Z. |
| birthcertno | Alpha, required | The birth cert number of the vehicle (length 9). |
| invoiceref | Alpha, required | The dealer invoice reference (max length 10). |
| transactiontype | 1, 2, 3, 4, 5, 6,7 or 8 | The type of transaction being completed.<br>1 = Private Customer Sale<br>2 = Business / Company Sale<br>3 = Leasing / Contract Hire Company<br>4 = Motor Industry Registrations<br>5 = Hire Drive<br>6 = State Agency / Public Body Sale<br>7 = Diplomat / Exempt Sale |

| | | 8 = Driving School Sale |
|---|---|---|
| countryconsigned | Alpha, required | Country code of country where the vehicle was consigned (length 2).<br>• See Appendix D for valid country codes. |
| category | A, B, C, D or M, required | VRT calculation basis.<br>A = Emissions<br>B = Flat Rate<br>C = Commercial<br>D = Exempt / No VRT<br>M = Engine CC<br>• Where category D is included, no VRT is due so there should not be a TaxDetails element. |
| hybridengine | true or false, optional | True if engine type is Hybrid or Flexible Fuel. Hybrid engine must be emissions based (formerly category A), Flexible Fuel must be emissions or flat rate based (formerly categories A and B). |
| filingtan | Numeric, required | The filing TAN number (max value 99999). |
| ownertan | Numeric, optional | The owner TAN number (max value 99999).<br>• Required if the transaction type is 3 or 5.<br>• Where the transaction type is 5, the owner TAN must be the same as the filing TAN. |
| owner | Individual or Company, required | The type of owner.<br>• Where the ownertan exists, owner must be company.<br>• Where the transaction type is 3 or 5, owner must be company. |
| euvehicleclassification | Optional | The EU vehicle Classification.<br>The value must match the EU Vehicle Classification on the associated CoC |
| euvehiclebodywork | Optional | If included the value must match the EU Vehicle Bodywork on the associated CoC |
| co2emissions | Numeric, optional | This is the CO2 Emission value for the vehicle (range 1 – 999). It is expressed in grams per kilometre (g/Km) and may be obtained from the Certificate of Conformity or Type Approval Certificate relating to the vehicle. |
| electricengine | true or false, optional | True if vehicle has an electric engine. |
| amendedstatcode | Numeric, optional | The new statistical code for incomplete vehicles. (length 8).<br>The Statistical Code must be of the format or 99999999 (where 9 is a numeric).<br><br>The Statistical Code must conform to the following format:<br>• (Revenue Code for New Vehicles) First digit is 4 and the last five digits fall within one of the following groupings:<br>    4. 10000 - 55999<br>    5. 70000 - 70999<br>    6. 3. 75000 – 75999 |
| ivanssta | Alpha, optional | National Small Series Type Approval Individual Vehicle Approval (length 30) |
| sqi | Alpha, optional | Suitably Qualified Individual who has carried out the works on this vehicle. (length 40) |

## 3.4   TaxDetails

The TaxDetails element will only appear if the vehicle is not VRT exempt (formerly category D). It has the following attributes:

| payertan | Numeric, required | • The payer TAN number (max value 99999). |
|---|---|---|
| repaytan | Numeric, optional | The repayment TAN number (max value 99999).<br>• Required if the transaction type is 3 or 5.<br>• Must be the same as the owner TAN where the Transaction Type is that of Demonstration Vehicle. |
| paymentmethod | E, L or D, required | The method of payment.<br>E = Deferred<br>D = FACT (Cash Account) |

The TaxDetails should have a CategoryAB element where the vehicle's VRT is calculated based on emissions or flat rate calculations (formerly categories A and B), or a CategoryC element where the vehicle is commercial (formerly category C).

## 3.5   CategoryAB

The CategoryAB element will only appear if the vehicle's VRT is calculated based on emissions or flat rate calculations (formerly categories A and B). It has the following attributes:

| basicomsp | Numeric, required | The Original Market Selling Price of the vehicle (max value 99999999).<br>• Must be greater than 0. |
|---|---|---|
| valueextras | Numeric, optional | The value of any optional extras (max value 99999999).<br>• Must be 0 or greater. |
| descriptionextras | Alpha, optional | Description of optional extras (max length 100).<br>• Required if the value of optional extras is greater than 0.<br>• Only characters from the following sets are valid: a-z, A-Z, 0-9, '()_&@*/,.:- |

## 3.6   CategoryC

The CategoryC element will only appear if the vehicle is commercial (formerly category C). It has the following attribute:

| basicomsp | Numeric, optional | The Original Market Selling Price of the vehicle (max value 99999999).<br>• Must be greater than 0. |
|---|---|---|

## 3.7   OwnerDetails

The OwnerDetails element has no attributes. It consists of an Individual or Company element, an Address element and an optional RegistrationNo element.

## 3.8   Individual

The Individual element will appear if the owner is an individual. It consists of the following attributes:

| title | Alpha, required | The owner's title (max length 5).<br>• Only characters from the following sets are valid: a-z, A-Z, or a full stop character. |
|---|---|---|
| firstname | Alpha, required | The owner's first name (max length 20).<br>• Only characters from the following sets are valid: a-z, A-Z, -.' |
| surname | Alpha, required | The owner's surname (max length 25).<br>• Only characters from the following sets are valid: a-z, A-Z, -.' |

## 3.9   Company

The Company element will appear if the owner is a company and there is no Owner TAN. It has  four attributes:

| prepopulated | Boolean ,optional | True, false |
|---|---|---|
| showindexcombo | Boolean ,optional | True, false |
| companynumber | MinInclusive :0 MaxinInclusive: 99999999, required | Must be a valid company number |

## 3.10  State / Other

The Company element will appear if the owner is a company and there is no Owner TAN. It has  four attributes:

| prepopulated | Boolean ,optional | True, false |
|---|---|---|
| name | Alpha, required | The company's name (max length 50).<br>• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/.,()'*<br>• If the ampersand (&) is required as part of the name it must be HTML encoded (&amp;) |
| showindexcombo | Boolean ,optional | True, false |

## 3.11  Address

The Address element has the following attributes:

| line1 | Alpha, required | The first line of the owner's address (max length 35).<br>• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',*<br>• Required where no owner tan was entered. |
|---|---|---|
| line2 | Alpha, optional | The second line of the owner's address (max length 35).<br>• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',* |
| line3 | Alpha, optional | The third line of the owner's address (max length 35).<br>• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',* |
| town | Alpha, optional | The owner's town or city (max length 20).<br>• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',*<br>• Required where no owner tan was entered. |
| county | Alpha, required | The owner's county index.<br>• See Appendix C for County Indexes. |
| eircode | Alpha, optional | The owner's Eircode<br>• See Appendix F for Validation Rules |

# 4 Example XML Files

These are examples of correct VRT Vehicle Registration files. Note: the data used is for sample purposes only and does not represent valid Statistical Code, Birth Cert Number, Invoice Reference, TAN Number or Registration entries.

**Example 1:**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="G">
     <VehicleID amended="false" amendedstatcode="40185000"
statcode="40185000" birthcertno="ZOD123777" invoiceref="15674"
transactiontype="" category="M" countryconsigned="CZ" electricengine="false"
hybridengine="true" filingtan="77777" owner="Company" euvehiclebodywork="AB"
euvehicleclassification="" ownertan="77777" sqi="dfsdi" />
   <TaxDetails payertan="77777" paymentmethod="D">
     <CategoryAB basicomsp="1000" descriptionextras="234ewfwefwef"
valueextras="500"/>
   </TaxDetails>
   <OwnerDetails changed="N">
     <Company prepopulated="true" name="ACompany" showindexcombo="true"
companynumber="846753"/>
     <Address county="OY" line1="Address 001" town="Town"/>
   </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
</VRTRegistrationFile>
```

**Example 2:**

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="E">
     <VehicleID amended="false" amendedstatcode="40185000"
statcode="40185000" birthcertno="ABC123456" invoiceref="999999"
transactiontype="1" category="A" co2emissions="109" countryconsigned="GB"
electricengine="false" hybridengine="false" filingtan="77777"
owner="Individual" euvehicleclassification="M1" euvehiclebodywork="AF" />
       <TaxDetails payertan="77777" paymentmethod="E">
       <CategoryAB basicomsp="118426" valueextras="495"
descriptionextras="Metallic paint" />
       </TaxDetails>
     <OwnerDetails changed="N">
       <Individual title="Mrs" firstname="Ciara" surname="Boutros" />
       <Address line1="4 Some Place" line2="Some Road" line3="Some Area"
town="Kilkenny" county="KK" />
     </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

**Example 3:**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="G">
     <VehicleID amended="false" amendedstatcode="40185000"
statcode="40185000" birthcertno="OOS112041" invoiceref="15674"
transactiontype="1" category="M" countryconsigned="CZ"
electricengine="false" hybridengine="true" filingtan="66777" owner="Company"
euvehiclebodywork="AB" euvehicleclassification="M1" ownertan="66777"
sqi="dfsdi" />
     <TaxDetails payertan="66777" paymentmethod="D">
     <CategoryAB basicomsp="1000" descriptionextras="234ewfwefwef"
valueextras="500"/>
   </TaxDetails>
```

```
   <OwnerDetails changed="N">
      <Company prepopulated="true" name="ACompany" showindexcombo="true"
companynumber="846753"/>
      <Address county="OY" line1="Address 001" town="Town"/>
   </OwnerDetails>
   </VRTRegistration>
   <VRTRegistration doclanguage="E">
      <VehicleID amended="false" amendedstatcode="40185000"
statcode="40185000" birthcertno="ABC123456" invoiceref="999999"
transactiontype="1" category="A" co2emissions="109" countryconsigned="GB"
electricengine="false" hybridengine="false" filingtan="66777"
owner="Individual" euvehicleclassification="M1" euvehiclebodywork="AF" />
        <TaxDetails payertan="66777" paymentmethod="E">
        <CategoryAB basicomsp="118426" valueextras="495"
descriptionextras="Metallic paint" />
      </TaxDetails>
      <OwnerDetails changed="N">
        <Individual title="Mrs" firstname="Ciara" surname="SecondName" />
        <Address line1="4 Some Place" line2="Some Road" line3="Some Area"
town="Kilkenny" county="KK" />
      </OwnerDetails>
   </VRTRegistration>
   <VRTRegistration doclanguage="G">
      <VehicleID amended="false" amendedstatcode="40185000"
birthcertno="ABC123456" category="A" co2emissions="50" countryconsigned="CZ"
electricengine="false" euvehiclebodywork="AB" euvehicleclassification="M1"
filingtan="66777" hybridengine="true" invoiceref="156746" owner="Company"
ownertan="66777" sqi="dfsdifj43" statcode="40185000" transactiontype="1"/>
        <TaxDetails payertan="66777" paymentmethod="D">
         <CategoryAB basicomsp="1000" descriptionextras="Description of
extras" valueextras="500"/>
        </TaxDetails>
        <OwnerDetails changed="N">
         <Company prepopulated="true" showindexcombo="true"
companynumber="846753"/>
         <Address county="OY" line1="Some Place" line2="Some Street"
line3="Some Area" town="Town" />
        </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

# 5  Validation List

The following validation will be performed on uploaded files:

| Number | Validation |
|--------|------------|
| 1. | The Statistical Code field has been populated. |
| 2. | The Statistical Code exists on the ROS database and has an Engine Max Net Power field associated with it that is not zero. |
| 3. | The Statistical Code entered has not been blocked by either ROS or the data taken from the VRT Mainframe (i.e. through amendments or because the Depreciation Code is X1). |
| 4. | • The Statistical Code is of the format 999X9999 or 99999999 (where X is a character and 9 is a numeric). <br> The Statistical Code conforms to one of the following formats: <br> • (SIMI Code) First digit is a 0 or a 1 and the last digit is a 1, 2 or 3. <br> • (Revenue Code for New Vehicles) First digit is 4 and the last five digits fall within one of the following groupings: 1. 10000 - 55999 2. 70000 - 70999 3. 75000 – 75999 <br> • Where the fourth digit of the Statistical Code is not a numeric it must be within the following character set; a-h; j-n; p-z; A-H; J-N; P-Z. |
| 5. | The Birth Cert. Number field has been populated |
| 6. | The Invoice Reference field has been populated. |
| 7. | The Invoice Reference is not greater than 8 characters in length. |

| 8. | A valid selection has been made from the Transaction Type Details field. |
|---|---|
| 9. | A valid selection has been made from the Vehicle Category field. |
| 10. | The Vehicle Category selected matches the Vehicle Category associated with the Statistical Code & CoC. |
| 11. | If EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5 the return must have an associated figure for the number of seats greater than zero. |
| 12. | Commercial or Exempt vehicles (formerly categories C and D) must have an associated figure for the wheelbase greater than zero. |
| 13. | Where the selection from the Transaction Type Detail field is that of Vehicle Hire the EU Vehicle Classification must be M1. |
| 14. | Where the selection from the Transaction Type Detail field is that of Leasing the EU Vehicle Classification must be M1, L1, L2, L3, L4, L5, L6 or L7.. |
| 15. | Where the selection from the Transaction Type Detail field is that of Demonstration the EU Vehicle Classification must be M1, L1, L2, L3, L4, L5, L6 or L7.. |
| 16. | Where the selection from the Transaction Type Detail field is that of Driving School Vehicle the EU Vehicle Classification must be M1, L1, L2, L3, L4, L5, L6 or L7.. |
| 17. | Where the Country Whence Consigned field is populated, a valid country code must be entered. |
| 18. | Where the Hybrid Engine / Flexible Fuel Indicator is checked the Engine Type associated with the Statistical Code is that of Hybrid Engine or Flexible Fuel. |
| 19. | The Filing TAN field is populated. |
| 20. | The Filing TAN exists on the ROS database and the Digital Certificate that is used to submit the form has permissions to use the Filing TAN. |
| 21. | Where an entry has been made to the Owner TAN field that it exists on the ROS database. |
| 22. | The Owner TAN field has been populated where the selection in the Transaction Type Details field is Vehicle-Hire. |
| 23. | The Owner TAN field has been populated where the selection in the Transaction Type Details field is Demonstration. |
| 24. | A valid selection has been made for the Owner Detail field. |
| 25. | The Owner Detail field selection is that of Company where the Owner TAN has been returned. |
| 26. | The Owner Detail field selection is that of Company where the Transaction Type Detail is either that of Vehicle-Hire or Demonstration. |
| 27. | The Owner TAN is the same as the Filing TAN where selection in the Transaction Type Details field is that of Demonstration Vehicle. |
| 28. | The County field stored on the ROS database for the Owner TAN entered contains a valid County. |
| 29. | Where the Body Type field is returned it is a valid selection. |
| 30. | The Basic OMSP field has been populated where the EU Vehicle Classification is M1. |
| 31. | The Basic OMSP field has been populated where the Vehicle Registration Tax is based on a Flat Rate calculation (formerly category B – see Appendix E). |
| 32. | Where the Basic OMSP has been entered it is the same as the Basic OMSP associated with the Statistical Code. |
| 33. | If Populated. The Value of Optional Extras has been populated (at least zero) where the EU Vehicle Classification is M1. |
| 34. | If Populated. The Value of Optional Extras has been populated (at least zero) where the Vehicle Registration Tax is based on a Flat Rate calculation (formerly category B – see Appendix E). |
| 35. | Where the Value of Optional Extras has been populated it is not greater than eight numerics. |
| 36. | The Value of Optional Extras field has been populated with a figure greater than or equal to the Value of Optional Extras associated with the National Data on the CoC. |
| 37. | The Description of Optional Extras field does not contain anything other than the following possible characters a-z, A-Z, 0-9, '()_&@*/, . :- |
| 38. | The Payer TAN field is populated unless the Vehicle is exempt from VRT (formerly category D). |
| 39. | Where the Payer TAN field has been populated it exists on the ROS database and the Digital Certificate that is used to Submit the form has permissions to use the Payer TAN. |

| 40. | Where the Payer TAN field has been populated there must be a relationship between the Payer TAN and the Filing TAN. |
|---|---|
| 41. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Cash Sale and the Vehicle Category is not exempt (formerly category D). |
| 42. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Trade In and the Vehicle Category is not exempt (formerly category D). |
| 43. | A Payment Method has been returned where the Transaction Type Detail is that of Vehicle-Hire and the Vehicle Category is not exempt (formerly category D). |
| 44. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Leasing and the Vehicle Category is not exempt (formerly category D). |
| 45. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Demonstration and the Vehicle Category is not exempt (formerly category D). |
| 46. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Driving School and the Vehicle Category is not exempt (formerly category D). |
| 47. | A Payment Method of either Deferred or FACT has been returned where the Transaction Type Detail is that of Special Discount and the Vehicle Category is not exempt (formerly category D). |
| 48. | Where the Payment Method of Long Deferred has been selected the Payer TAN must be the same as the Filing TAN. |
| 49. | Where the Payment Method and the Payer TAN have been returned the Payer TAN must have permission to use that Payment Method. |
| 50. | Where populated, the Title field does not contain anything other than the following possible characters a-z, A-Z. |
| 51. | Where populated, the Title field is not greater than five characters in length. |
| 52. | The Surname field has been populated where the Owner Detail field is that of an Individual. |
| 53. | Where populated, the Surname field is not greater than twenty five characters in length. |
| 54. | Where populated, the Surname field does not contain anything other than the following possible characters a-z, A-Z, -.' |
| 55. | The First Name field has been populated where the Owner Detail field is that of an Individual. |
| 56. | Where populated, the First Name field is not greater than twenty characters in length. |
| 57. | Where populated, the First Name field does not contain anything other than the following possible characters a-z, A-Z, -.' |
| 58. | Where no Owner TAN was populated, the Company Name field has been populated where the Owner Detail field is that of a Company. |
| 59. | Where populated, the Company Name is not greater than 50 characters in length. |
| 60. | Where populated, the Company Name field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.,()'* |
| 61. | Where no Owner TAN was populated, the first Address field has been populated. |
| 62. | Where an Owner TAN was entered the County Index was returned. |
| 63. | Where the County Index was returned it matches the County on the ROS database for the Owner TAN entered. |
| 64. | Where populated, the first Address field is not greater than 35 characters in length. |
| 65. | Where populated, the first Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',* |
| 66. | Where no Owner TAN was populated, the second Address field is not greater than 35 characters in length. |
| 67. | Where populated, the second Address field is not greater than 35 characters in length. |
| 68. | Where populated, the second Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',* |
| 69. | Where no Owner TAN was populated, the third Address field is not greater than 35 characters in length. |
| 70. | Where populated, the third Address field is not greater than 35 characters in length. |

| | |
|---|---|
| 71. | Where populated, the third Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',* |
| 72. | Where no Owner TAN was populated, the Town / City field has been populated. |
| 73. | Where populated, the Town / City field is not greater than 20 characters in length |
| 74. | Where populated, the Town / City field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',* |
| 75. | Where no Owner TAN was populated, the County field has been populated. |
| 76. | The EU Vehicle Classification field if populated uses a valid code. |
| 77. | If populated the EU Vehicle Bodywork field has been populated whit a valid bodywork code for EU Vehicle Classification  M1 – M3, N1 – N3. |
| 78. | The amended Statistical Code exists on the ROS database and has an Engine Max Net Power field associated with it that is not zero. |
| 79. | The amended Statistical Code entered has not been blocked by either ROS or the data taken from the VRT Mainframe (i.e. through amendments or because the Depreciation Code is X1). |
| 80. | The amended Statistical Code is of the format 99999999 (where 9 is a numeric). The Statistical Code conforms to the following format: (Revenue Code for New Vehicles) First digit is 4 and the last five digits fall within one of the following groupings: 1. 10000 - 55999 2. 70000 - 70999 3. 75000 – 75999 |
| 81. | The ivanssta field is mandatory where amendedStatcode is valid and SQI is null |
| 82. | The SQI field is mandatory where amendedStatcode is valid and ivanssta is null |

# Appendix A
Acceptable Vehicle Colour Codes.

| Colour | Code | Colour | Code |
|---|---|---|---|
| Black | A | Blue | J |
| Grey | B | Purple / Mauve / Violet | K |
| White/Ivory | C | Red / Maroon | M |
| Brown/Buff | E | Orange | F |
| Yellow | G | Green | H |

# Appendix B
Acceptable Vehicle Body-Type Codes.

| Body-Type | Code | Body-Type | Code |
|---|---|---|---|
| Agricultural Tractor | 18 | Minibus | 03 |
| All Terrain Vehicle | 79 | Lifeboat Transporter | 33 |
| Ambulance | 28 | Liftback | 78 |
| Amphibious Vehicle | 94 | Mobile shop | 14 |
| Articulated Tractor Unit | 75 | Moped | 44 |
| Boat Carrier | 93 | Motor Caravan | 49 |
| Bottle Float | 57 | Motorcycle | 11 |
| Box Van | 52 | Motorcycle Combination | 47 |
| Bulldozer | 68 | MPV | 92 |
| Bus | 05 | Offroad Dumper | 39 |
| Car Transporter | 63 | Open Lorry | 08 |
| Chassis Cab | 95 | Open Lorry and Container | 07 |
| Combine Harvester | 20 | Other Goods Heavy | 64 |
| Compressor | 62 | Other Light Goods | 51 |
| Concrete Mixer / Concrete Pump | 24 | Other SP Agricultural Machine | 67 |
| Convertible | 41 | Other Van | 56 |
| Crew Cab | 82 | Pick-Up | 48 |
| Curtain Sider | 86 | Quadricycle | 100 |
| Cut Down / Sealed-Up Vehicle | 36 | Recovery Vehicle | 60 |
| Drain Cleaner | 90 | Refuse Collector | 30 |
| Drop-Side Lorry | 58 | Rescue Vehicle | 83 |
| Dumper | 26 | Rigid | 81 |
| Estate | 77 | Road Construction Transporter | 34 |
| Excavator / Digger / Trench Digger | 19 | Road Maintenance Vehicle | 69 |
| Fire Engine | 27 | Road Marking Machine | 71 |
| General Haulage Tractor | 16 | Road Roller | 29 |
| Glass Carrier | 55 | Road Tar Sprayer | 70 |
| Goods Tricycle | 74 | Saloon | 01 |
| Gritter / Chip Spreader | 31 | School Bus | 04 |
| Hatchback | 40 | Security Van / Truck | 91 |
| Hearse | 21 | Skip Loader | 88 |
| Hoist / Crane | 15 | Solid Bulk Carrier | 61 |

| Body-Type | Code | Body-Type | Code |
|---|---|---|---|
| Hopper Truck | 59 | SP Forage Harvester | 66 |
| Horse Box / Animal Transporter | 25 | SP Potato Harvester | 65 |
| Insulated / Refrigerated Van | 54 | Sports Coupe (non-convertible) | 42 |
| Invalid Vehicle | 32 | Station Wagon / Jeep | 02 |
| Jeep | 76 | Tanker | 23 |
| Limousine | 43 | Tipper | 87 |
| Loading Shovel | 72 | Tracked Excavator | 73 |
| Low-Loader | 22 | Tricycle | 09 |
| Luton Van | 53 | Van | 06 |
| Military Vehicle | 84 | Van With Side Windows | 50 |
|  |  | Watering / Sweeping Machine | 38 |

# Appendix C

**Acceptable County Indexes** *up to and including 31/12/2013*

| County | Index | County | Index |
|---|---|---|---|
| Co. Carlow | CW | Co. Louth | LH |
| Co. Cavan | CN | Co. Mayo | MO |
| Co. Clare | CE | Co. Meath | MH |
| Co. Cork | C | Co. Monaghan | MN |
| Co. Donegal | DL | Co. Offaly | OY |
| Co. Dublin | D | Co. Roscommon | RN |
| Co. Galway | G | Co. Sligo | SO |
| Co. Kerry | KY | Co. Tipperary | TN |
| Co. Kildare | KE | Co. Tipperary | TS |
| Co. Kilkenny | KK | Co. Waterford | WD |
| Co. Laois | LS | Co. Waterford | W |
| Co. Leitrim | LM | Co. Westmeath | WH |
| Co. Limerick | LK | Co. Wexford | WX |
| Co. Limerick | L | Co. Wicklow | WW |
| Co. Longford | LD | | |

**Acceptable County Indexes** *from 01/01/2014 and onwards*

| County | Index | County | Index |
|---|---|---|---|
| Co. Carlow | CW | Co. Louth | LH |
| Co. Cavan | CN | Co. Mayo | MO |
| Co. Clare | CE | Co. Meath | MH |
| Co. Cork | C | Co. Monaghan | MN |
| Co. Donegal | DL | Co. Offaly | OY |
| Co. Dublin | D | Co. Roscommon | RN |
| Co. Galway | G | Co. Sligo | SO |
| Co. Kerry | KY | Co. Tipperary | T |
| Co. Kildare | KE | Co. Waterford | W |
| Co. Kilkenny | KK | Co. Westmeath | WH |
| Co. Laois | LS | Co. Wexford | WX |
| Co. Leitrim | LM | Co. Wicklow | WW |
| Co. Limerick | L | | |
| Co. Longford | LD | | |

# Appendix D

Acceptable Country Codes.

| Country | Code | Country | Code |
|---------|------|---------|------|
| Afghanistan | AF | Dominican Republic | DO |
| Albania | AL | Ecuador | EC |
| Algeria | DZ | Egypt | EG |
| American Oceania | XF | El Salvador | SV |
| Andorra | AD | Equatorial Guinea | GQ |
| Angola | AO | Eritrea | XR |
| Anguilla | AI | Estonia | EE |
| Antigua And Barbuda | AG | Ethiopia | ET |
| Argentina | AR | Falkland Islands | FK |
| Armenia | AM | Faroe Islands | FO |
| Aruba | AW | Federated States Of Micronesia | FM |
| Australia | AU | Fiji | FJ |
| Australian Oceania | XE | Finland | FI |
| Austria | AT | France | FR |
| Azerbaijan | AZ | French Guiana | GF |
| Bahamas | BS | French Polynesia | PF |
| Bahrain | BH | Gabon | GA |
| Bangladesh | BD | Gambia | GM |
| Barbados | BB | Georgia | GE |
| Belarus | BY | Germany | DE |
| Belgium | BE | Ghana | GH |
| Belgium And Luxembourg | BE | Gibraltar | GI |
| Belize | BZ | Greece | EL |
| Benin | BJ | Greenland | GL |
| Bermuda | BM | Grenada | GD |
| Bhutan | BT | Guadeloupe | GP |
| Bolivia | BO | Guatemala | GT |
| Bosnia-Herzegovina | BA | Guinea | GN |
| Botswana | BW | Guinea-Bissau | GW |
| Brazil | BR | Guyana | GY |
| British Indian Ocean Territory | IO | Haiti | HT |
| British Virgin Islands | VG | Honduras | HN |
| Brunei | BN | Hong Kong | HK |
| Bulgaria | BG | Hungary | HU |
| Burkina Faso | BF | Iceland | IS |
| Burundi | BI | India | IN |
| Cambodia (Kampuchea) | KH | Indonesia | ID |
| Cameroon | CM | Iran | IR |
| Canada | CA | Iraq | IQ |
| Canary Islands | XB | Ireland | IE |
| Cape Verde | CV | Israel | IL |
| Cayman Islands | KY | Italy | IT |
| Central African Republic | CF | Ivory Coast | CI |

| Country | Code | Country | Code |
|---|---|---|---|
| Ceuta And Melilla | XC | Jamaica | JM |
| Chad | TD | Japan | JP |
| Chile | CL | Jordan | JO |
| China | CN | Kazakhstan | KZ |
| Colombia | CO | Kenya | KE |
| Comoros | KM | Kiribati | KI |
| Congo | CG | Polar Regions | XH |
| Costa Rica | CR | Portugal | PT |
| Croatia | HR | Qatar | QA |
| Cuba | CU | Reunion | RE |
| Cyprus | CY | Romania | RO |
| Czech Rep. | CZ | Russia | RU |
| Kuwait | KW | Rwanda | RW |
| Kyrghystan | KG | San Marino | SM |
| Laos | LA | Saudi Arabia | SA |
| Latvia | LV | Senegal | SN |
| Lebanon | LB | Seychelles And Dependencies | SC |
| Lesotho | LS | Serbia | RS |
| Liberia | LR | Sierra Leone | SL |
| Libya | LY | Singapore | SG |
| Liechtenstein | LI | Slovak Rep. | SK |
| Lithuania | LT | Slovenia | SI |
| Luxembourg | LU | Sao Tome And Principe | ST |
| Macao | MO | Solomon Islands | SB |
| Macedonia | MK | Somalia | SO |
| Madagascar | MG | South Africa | ZA |
| Malawi | MW | South Korea | KR |
| Malaysia | MY | Spain | ES |
| Maldives | MV | Sri Lanka | LK |
| Mali | ML | St Helena And Dependencies | SH |
| Malta | MT | St Lucia | LC |
| Marshall Islands | MH | St Pierre And Miquelon | PM |
| Martinique | MQ | St Vincent | VC |
| Mauritania | MR | St. Christopher And Nevis | KN |
| Mauritius | MU | Sudan | SD |
| Mayotte | XD | Surinam | SR |
| Mexico | MX | Swaziland | SZ |
| Moldova | MD | Sweden | SE |
| Mongolia | MN | Switzerland | CH |
| Montenegro | ME | Syria | SY |
| Montserrat | MS | Tadjikistan | TJ |
| Morocco | MA | Taiwan | TW |
| Mozambique | MZ | Tanzania | TZ |
| Myanmar (Formerly Burma) | MM | Thailand | TH |
| Namibia | NA | Togo | TG |
| Nauru | NR | Tonga | TO |
| Nepal | NP | Trinidad And Tobago | TT |

| Country | Code | Country | Code |
|---|---|---|---|
| Netherlands | NL | Tunisia | TN |
| Netherlands Antilles | AN | Turkey | TR |
| New Caledonia And Dependencies | NC | Turkmenistan | TM |
| New Zealand | NZ | Turks And Caicos Islands | TC |
| New Zealand Oceania | XG | Tuvalu | TV |
| Nicaragua | NI | Uganda | UG |
| Niger | NE | Ukraine | UA |
| Nigeria | NG | United Arab Emirates | AE |
| North Korea | KP | United Kingdom | GB |
| Northern Ireland | I6 | United States Of America | US |
| Northern Mariana Islands | XO | Unspecified Territories | YY |
| Norway | NO | Unspecified Countries | YY |
| Oman | OM | Uruguay | UY |
| Pakistan | PK | Uzbekistan | UZ |
| Panama | PA | Vanuatu | VU |
| Papua New Guinea | PG | Vatican City State | VA |
| Paraguay | PY | Venezuela | VE |
| Peru | PE | Vietnam | VN |
| Philippines | PH | Virgin Islands Of U.S. | VI |
| Pitcairn | PN | Wallis And Futuna Islands | WF |
| Poland | PL | Western Samoa | WS |
| Democratic Rep. of Congo | CD | Yemen | YE |
| Denmark | DK | Zambia | ZM |
| Djibouti | DJ | Zimbabwe | ZW |
| Dominica | DM | | |

# Appendix E

The list of valid EU Vehicle Bodywork for each EU Vehicle Classification is listed below. L1 – L7 and
T1 – T5 do not have EU Vehicle Bodywork values associated with them.

| EU Vehicle Classification: M1 |
| --- |
| AA |
| AB |
| AC |
| AD |
| AE |
| AF |
| AG |
| SA |
| SB |
| SC |
| SD |
| SG |
| SH |
| SX |

| EU Vehicle Classification: M2 |
| --- |
| CA |
| CB |
| CI |
| CJ |
| CX |
| SA |
| SB |
| SC |
| SD |
| SG |
| SH |
| SX |

| EU Vehicle Classification: M3 |
| --- |
| CA |
| CB |
| CI |
| CJ |
| CX |
| SA |
| SB |
| SC |
| SD |
| SG |
| SH |
| SX |

| EU Vehicle Classification: N1 |
| --- |
| BA |
| BB |
| *BE* |
| *BX* |
| SB |
| SC |
| SD |
| SF |
| SG |
| SH |
| SX |

| EU Vehicle Classification: N2 |
| --- |
| BA |
| BB |
| BC |
| BD |
| BE |
| BX |
| SA |
| SB |
| SC |
| SD |
| SF |
| SG |
| SX |

| EU Vehicle Classification: N3 |
| --- |
| BA |
| BB |
| BC |
| BD |
| BE |
| BX |
| SA |
| SB |
| SC |
| SD |
| SF |
| SG |
| SX |

# Appendix F
# Eircode Validation

An EIRCODE has 8 characters including a space between the 3$^{rd}$ and 4$^{th}$ characters.
Example D07 XKN1
The 1$^{st}$ 3 characters are known as the Routing Keys e.g. D07
The final 4 characters are known as the Unique Identifier e.g. XKN1

The following sets out the permissible characters in each position of the EIRCODE.

```
---------------------------------------------------------------------
|    Component       | Position | Allowed characters                 |
---------------------------------------------------------------------
| Routing Keys       |    1     | A,C,D,E,F,H,K,N,P,R,T,V,W,X,Y       |
---------------------------------------------------------------------
| Routing Keys       |    2     | 0-9                                |
---------------------------------------------------------------------
| Routing Keys       |    3     | 0-9 with the exception of W for D6W |
---------------------------------------------------------------------
| Unique Identifier  |    4     | 0-9, A,C,D,E,F,H,K,N,P,R,T,V,W,X,Y  |
---------------------------------------------------------------------
| Unique Identifier  |    5     | 0-9, A,C,D,E,F,H,K,N,P,R,T,V,W,X,Y  |
---------------------------------------------------------------------
| Unique Identifier  |    6     | 0-9, A,C,D,E,F,H,K,N,P,R,T,V,W,X,Y  |
---------------------------------------------------------------------
| Unique Identifier  |    7     | 0-9, A,C,D,E,F,H,K,N,P,R,T,V,W,X,Y  |
```

So taking D07 XKN1
Character 1 can only be an alphabetic one of those in the list above
Character 2 can be numeric 0-9
Character 3 can be numeric 0-9 or W
Character 4 has to be a space
Character 5 numeric 0-9 OR Alphabetic from the list
Character 6 numeric 0-9 OR Alphabetic from the list
Character 7 numeric 0-9 OR Alphabetic from the list
Character 8 numeric 0-9 OR Alphabetic from the list