File Format Specification

Vehicle Registration Form

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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. • Short-Term Vehicle Hire and Long-Term Vehicle Hire amalgamated to Vehicle Hire. • Transaction Type codes changed. • Wheelbase added to Vehicle Amendments. • Long-Term Deferred Payment Method changed to Long Deferred. • Transaction Type validation changed. • Owner Tan validation changed. • Payer TAN validation changed. • Payment Method validation changed. • Dealer TAN changed to Filing TAN. • Document format changed.
0.4 (Draft)	25/07/2002	• Added doclanguage attribute. • Vehicle Length validation changed. • Vehicle Width validation changed. • 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. • 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. • Changed the validation on Upload to the Birth Cert Number and the Statistical Code such that there must be a C02 value associated. • Changed the validation of the Statistical Code on Upload. • Changed the Transaction Type codes. • Corrected the Payment Method codes in the Document Type Definition.
0.8	15/11/2002	• Root element changed to VRTRegistrationFile. • Form element changed to VRTRegistration. • Removed all leading zeros from Transaction Type codes • 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. • Amended validation list to include the countryconsigned attribute. • Updated validations rules for the repaytan attribute of the TaxDetails element. • Updated validation rule for the descriptionextras attribute of the CategoryAB element. • Updated validation rule for the title, firstname, surname attributes of the Individual element. • Updated validation rule for the name attribute of the Company element. • 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. • euvehicleclassification • euvehiclebodywork 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. • Appendix E updated with new list of valid EU Vehicle Classification / EU Vehicle Bodywork combinations (changes highlighted in **red**). • electricengine engine attribute added to VehicleID element
0.12	29/08/2012	• Updated DTD definition section - added new period attribute to the RegistrationNumber element. • Updated Section 4 – Example Files to include a new example with the period. • 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. • Updated Section 4 – Example Files to include a example with the new fields. • Update Validation Rules. Added rules 114 -118.
0.14	12/09/2013	• New Registration Districts • Added Quadricyle to Body Type Codes • Added Montenegro and Serbia to Country Codes

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)               #REQUIRED
            countryconsigned  CDATA                         #IMPLIED
            category          (A|B|C|D|M)                   #REQUIRED
            enginesize        CDATA                         #IMPLIED
            hybridengine      (true|false)                  #IMPLIED
            filingtan         CDATA                         #REQUIRED
            ownertan          CDATA                         #IMPLIED
            owner             (Individual|Company)          #REQUIRED
            euvehicleclassification (L1|L2|L3|L4|L5|L6|
                               L7|M1|M2|M3|N1|N2|N3|T1|
                               T2|T3|T4|T5)                 #REQUIRED
            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
            amendedstatcode   CDATA                         #IMPLIED
            ivanssta          CDATA                         #IMPLIED
            sqi               CDATA                         #IMPLIED
>
<!ELEMENT    VehicleAmendment EMPTY>
<!ATTLIST    VehicleAmendment
            length            CDATA                         #REQUIRED
            width             CDATA                         #REQUIRED
            colour1           (A|B|C|D|E|F|G|H|J|
                               K|L|M|N|P|Q|R)               #REQUIRED
            colour2           (A|B|C|D|E|F|G|H|J|
                               K|L|M|N|P|Q|R)               #IMPLIED

            bodytype          CDATA                         #REQUIRED
            wheelbase         CDATA                         #REQUIRED
>
<!ELEMENT    TaxDetails ((CategoryAB | CategoryC)?)>
<!ATTLIST    TaxDetails
            payertan          CDATA                         #REQUIRED
            repaytan          CDATA                         #IMPLIED
            paymentmethod     (E|L|D)                       #REQUIRED
>
<!ELEMENT    CategoryAB EMPTY>
```

```
<!ATTLIST     CategoryAB          CDATA                      #REQUIRED
              basicomsp           CDATA                      #REQUIRED
              valueextras
              descriptionextras CDATA                        #IMPLIED
>
<!ELEMENT     CategoryC EMPTY>
<!ATTLIST     CategoryC
              basicomsp           CDATA                      #REQUIRED
>
<!ELEMENT     OwnerDetails ((Individual | Company)?, 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                      #IMPLIED
              line2               CDATA                      #IMPLIED
              line3               CDATA                      #IMPLIED
              town                CDATA                      #IMPLIED
              county              CDATA                      #REQUIRED
>
<!ELEMENT     RegistrationNo EMPTY>
<!ATTLIST     RegistrationNo
              year                CDATA                      #REQUIRED
              period              CDATA                      #REQUIRED
              index               CDATA                      #REQUIRED
              number              CDATA                      #REQUIRED
              receiptno           CDATA                      #REQUIRED

]>
```

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. E = English 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. E = English 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).
		
		The Statistical Code must conform to one of the following formats:
		• (SIMI Code) First digit is a 0 or a 1 and the last digit is a 1, 2 or 3.
		• (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. 3. 75000 – 75999
		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 or 7, required	The type of transaction being completed. 1 = Cash Sale 2 = Trade-in Included 3 = Vehicle Hire 4 = Leasing 5 = Demonstration Vehicle 6 = Driving School Vehicle 7 = Special Discount (e.g. fleet)

		• Where the value is 3 the vehicle must be Category A. • Where the value is 4, 5 or 6, the vehicle must be EU Vehicle Classification M1, L1, L2, L3 L4, L5, L6 or L7 (formerly categories A and M).
countryconsigned	Alpha, optional	Country code of country where the vehicle was consigned (length 2). • See Appendix D for valid country codes.
category	A, B, C, D or M, required	VRT calculation basis. A = Emissions B = Flat Rate C = Commercial D = Exempt / No VRT M = Engine CC • Where category D is included, no VRT is due so there should not be a TaxDetails element.
enginesize	Numeric, optional	The size of the vehicle's engine in cc (max value 99999). • Required if the vehicle is EU Vehicle Classification M1, L1, L2, L3 L4, L5, L6 or L7 (formerly categories A and M).
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). • Required if the transaction type is 3 or 5. • 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. • Where the ownertan exists, owner must be company. • Where the transaction type is 3 or 5, owner must be company.
euvehicleclassification	L1, L2, L3, L4, L5, L6, L7, N1, N2, N3, M1, M2, M3, T1, T2, T3, T4, T5, required	The EU vehicle Classification. The value must match the EU Vehicle Classification on the associated VRT40.
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	The EU Vehicle Bodywork. Required if euvehicleclassification is M1, M2, M3, N1, N2 or N3. If included the value must match the EU Vehicle Bodywork on the associated VRT40.
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. **NOTE:** required if the associated stat code has a EU Vehicle Classification equal to M1.
electricengine	true or false, optional	True if vehicle has an electric engine.
amendedstatcode	Numeric, optional	The new statistical code for incomplete

		vehicles. (length 8). The Statistical Code must be of the format or 99999999 (where 9 is a numeric).
		
		The Statistical Code must conform 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:
		    4. 10000 - 55999
		    5. 70000 - 70999
		    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　VehicleAmendment

The Vehicle Amendment element will only appear if the vehicle is commercial (formerly category C) and the original body-type was either that of Rigid or Other Heavy Goods Vehicle. It is an optional element consisting of the following attributes:

length	Numeric, required	The amended length of the vehicle (max value 99999). • Length must be greater than zero (0).
width	Numeric, required	The amended width of the vehicle (max value 99999). • Width must be greater than zero (0).
colour1	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q or R, required	The amended first colour of the vehicle. • See Appendix A for Colours.
colour2	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q or R, optional	The amended second colour of the vehicle, where applicable. • See Appendix A for Colours.
bodytype	See Appendix B for acceptable body-type codes, required	The amended body-type of the vehicle.
wheelbase	Numeric, required	The amended wheelbase of the vehicle (max value 99999). • Wheelbase must be greater than zero (0).

3.5　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). • Where the payment method is L, the payer TAN must be the same as the filing TAN.
repaytan	Numeric, optional	The repayment TAN number (max value 99999). • Required if the transaction type is 3 or 5. • 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. E = Deferred L = Long Deferred D = FACT (Cash Account) • Where the transaction type is not 3, payment method must not be L.

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).

3.6　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). • Must be greater than 0.
valueextras	Numeric, required	The value of any optional extras (max value

		99999999).
		• Must be 0 or greater.
descriptionextras	Alpha, optional	Description of optional extras (max length 100).
		• Required if the value of optional extras is greater than 0.
		• Only characters from the following sets are valid: a-z, A-Z, 0-9, '()_&@*/,.:-

3.7　CategoryC

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

basicomsp	Numeric, required	The Original Market Selling Price of the vehicle (max value 99999999).
		• Must be greater than 0.

3.8　OwnerDetails

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

3.9　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).
		• 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).
		• Only characters from the following sets are valid: a-z, A-Z, -.'
surname	Alpha, required	The owner's surname (max length 25).
		• Only characters from the following sets are valid: a-z, A-Z, -.'

3.10　Company

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

name	Alpha, required	The company's name (max length 50).
		• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.,()'*

3.11　Address

The Address element has the following attributes:

line1	Alpha, required	The first line of the owner's address (max length 35).
		• Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',*
		• Required where no owner tan was entered.
line2	Alpha, optional	The second line of the owner's address (max length 35).
		• 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). • 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). • Only characters from the following sets are valid: 0-9, a-z, A-Z, -/&.()',* • Required where no owner tan was entered.
county	Alpha, required	The owner's county index. • See Appendix C for County Indexes.

3.12 RegistrationNo

The RegistrationNo element is optional. It has the following attributes:

year	Numeric, required	The last two digits of the year of registration (length 2). • The year must match the current year.
period	Numeric, required	This can be 0 to represent pre 2013, 1 for the first period (Jan – June) and 2 for the second period (July – Dec)
index	Alpha, required	The county index of the county of registration. • The index must match that of the county in the Address element. • See Appendix C for County Indexes.
number	Numeric, required	The registration number (length 6).
receiptno	Alpha, required	The receipt number (length 7).

4 Example XML Files

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

Example 1:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="G">
      <VehicleID statcode="12345" birthcertno="123456789"
            invoiceref="1234567890" transactiontype="1" countryconsigned="GB"
            category="A" enginesize="1600" hybridengine="false"
            filingtan="12345" owner="Individual" euvehicleclassification="M1"
            euvehiclebodywork ="AA"/>
      <TaxDetails payertan="12345" paymentmethod="E">
         <CategoryAB basicomsp="17530" valueextras="200"
            descriptionextras="Electric sunroof"/>
      </TaxDetails>
      <OwnerDetails>
         <Individual title="Mr" firstname="Richard" surname="Greene"/>
         <Address line1="14 Haddington Lane" line2="Clontarf" town="Dublin"
            county="D"/>
         <RegistrationNo year="02" period="0" index="D" number="14972"
            receiptno="1234567"/>
      </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

Example 2:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="E">
      <VehicleID statcode="23234" birthcertno="98989898"
            invoiceref="3486593484" transactiontype="5" category="A"
            enginesize="1600" hybridengine="false" filingtan="44444"
            ownertan="44444" owner="Company" euvehicleclassification="M1"
            euvehiclebodywork ="AA"/>
      <TaxDetails payertan="12345" paymentmethod="E"/>
      <OwnerDetails>
         <Address county="C"/>
      </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

Example 3:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="E">
      <VehicleID statcode="01987" birthcertno="248C1234"
            invoiceref="1234567890" transactiontype="1" category="M"
            enginesize="1600" hybridengine="false" filingtan="45239"
            owner="Individual" euvehicleclassification="L6"/>
      <TaxDetails payertan="45239" paymentmethod="D"/>
      <OwnerDetails>
         <Individual title="Ms" firstname="Denise" surname="Jones"/>
         <Address line1="8 The Maltings" line2="Wright Street"
            town="Kilkenny" county="KK"/>
      </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

Example 4:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="E">
      <VehicleID statcode="01987" birthcertno="248C1234"
            invoiceref="1234567890" transactiontype="1" category="M"
            enginesize="1600" hybridengine="false" filingtan="45239"
            owner="Individual" euvehicleclassification="L3"/>
      <TaxDetails payertan="45239" paymentmethod="D"/>
      <OwnerDetails>
         <Individual title="Ms" firstname="Denise" surname="Jones"/>
         <Address line1="8 The Maltings" line2="Wright Street"
            town="Kilkenny" county="KK"/>
      </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

Example 5:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="G">
      <VehicleID statcode="12345" birthcertno="123456789"
            invoiceref="1234567890" transactiontype="1" countryconsigned="GB"
            category="A" enginesize="1600" hybridengine="false"
            filingtan="12345" owner="Individual" euvehicleclassification="M1"
            euvehiclebodywork ="AA"/>
      <TaxDetails payertan="12345" paymentmethod="E">
         <CategoryAB basicomsp="17530" valueextras="200"
            descriptionextras="Electric sunroof"/>
      </TaxDetails>
      <OwnerDetails>
         <Individual title="Mr" firstname="Richard" surname="Greene"/>
         <Address line1="14 Haddington Lane" line2="Clontarf" town="Dublin"
            county="D"/>
         <RegistrationNo year="13" period="1" index="D" number="1"
            receiptno="1234567"/>
      </OwnerDetails>
   </VRTRegistration>
</VRTRegistrationFile>
```

Example 6:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRTRegistrationFile formversion="1" language="E">
   <VRTRegistration doclanguage="G">
      <VehicleID statcode="12345" birthcertno="123456789"
            invoiceref="1234567890" transactiontype="1" countryconsigned="GB"
            category="A" enginesize="1600" hybridengine="false"
            filingtan="12345" owner="Individual" euvehicleclassification="M1"
            euvehiclebodywork ="AA" amendedstatcode="40287215"
            ivanssta="e24*IVA*3333*00" sqi="David Allen"/>
      <TaxDetails payertan="12345" paymentmethod="E">
         <CategoryAB basicomsp="17530" valueextras="200"
            descriptionextras="Electric sunroof"/>
      </TaxDetails>
      <OwnerDetails>
         <Individual title="Mr" firstname="Richard" surname="Greene"/>
         <Address line1="14 Haddington Lane" line2="Clontarf" town="Dublin"
            county="D"/>
         <RegistrationNo year="13" period="1" index="D" number="1"
            receiptno="1234567"/>
      </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). The Statistical Code conforms to one of the following formats: • (SIMI Code) First digit is a 0 or a 1 and the last digit is a 1, 2 or 3. • (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 • 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 Birth Cert Number exists on the ROS database.
7.	The Birth Cert Number is associated with Statistical Code.
8.	The Birth Cert Number has not been blocked by either ROS or the data taken form the VRT Mainframe.
9.	The Birth Cert Number is flagged as that of a New Import rather than that of Used Import.
10.	The Birth Cert. Number entered does have a valid C02 Emissions figure (i.e. within the range 50 – 500) associated with it where the EU Category associated with the Statistical Code is M1.
11.	The Invoice Reference field has been populated.
12.	The Invoice Reference is not greater than 8 characters in length.
13.	A valid selection has been made from the Transaction Type Details field.
14.	A valid selection has been made from the Vehicle Category field.
15.	The Vehicle Category selected matches the Vehicle Category associated with the Statistical Code.
16.	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.
17.	Commercial or Exempt vehicles (formerly categories C and D) must have an associated figure for the wheelbase greater than zero.
18.	Where the selection from the Transaction Type Detail field is that of Vehicle Hire the EU Vehicle Classification must be M1.
19.	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..
20.	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..
21.	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..
22.	Where the Country Whence Consigned field is populated, a valid country code must be entered.
23.	An entry has been made to the Engine Size field where the EU Vehicle Classification must be M1, L1, L2, L3, L4, L5, L6 or L7..
24.	Where the Engine Size is populated it is the same as the Engine Size associated with the Statistical Code.
25.	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.
26.	Where Vehicle Amendments Indicator is checked the EU Vehicle Classification / EU Vehicle Bodywork combination is valid for a commercial vehicle (formerly category C – see Appendix E).
27.	Where the Vehicle Amendments Indicator is checked the Body Type associated with the Statistical Code entered is either:

	Rigid (Code = 81) Other Goods Heavy (Code = 64)
28.	The Filing TAN field is populated.
29.	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.
30.	Where an entry has been made to the Owner TAN field that it exists on the ROS database.
31.	The Owner TAN field has been populated where the selection in the Transaction Type Details field is Vehicle-Hire.
32.	The Owner TAN field has been populated where the selection in the Transaction Type Details field is Demonstration.
33.	A valid selection has been made for the Owner Detail field.
34.	The Owner Detail field selection is that of Company where the Owner TAN has been returned.
35.	The Owner Detail field selection is that of Company where the Transaction Type Detail is either that of Vehicle-Hire or Demonstration.
36.	The Owner TAN is the same as the Filing TAN where selection in the Transaction Type Details field is that of Demonstration Vehicle.
37.	The County field stored on the ROS database for the Owner TAN entered contains a valid County.
38.	Where the Vehicle Amendments Indicator is checked the Width field is populated.
39.	Where the Width field is populated it is not greater than five numerics in length.
40.	Where the Width field is populated it is greater than zero.
41.	Where the Vehicle Amendments Indicator is checked the Length field is populated.
42.	Where the Length field is populated it is not greater than five numerics in length.
43.	Where the Length field is populated it is greater than zero.
44.	Where the Vehicle Amendments Indicator is checked the Colour 1 field is returned.
45.	Where the Colour 1 field is returned it is a valid selection.
46.	Where the Colour 2 field is returned it is a valid selection.
47.	Where the Vehicle Amendments Indicator is checked the Body Type field is returned.
48.	Where the Body Type field is returned it is a valid selection.
49.	Where the Vehicle Amendments Indicator is checked the Wheelbase field is populated.
50.	Where the Wheelbase field is populated it is not greater than five numerics in length.
51.	Where the Wheelbase field is populated it is greater than zero.
52.	The Basic OMSP field has been populated where the EU Vehicle Classification is M1.
53.	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).
54.	Where the Basic OMSP has been entered it is the same as the Basic OMSP associated with the Statistical Code.
55.	The Value of Optional Extras has been populated (at least zero) where the EU Vehicle Classification is M1.
56.	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).
57.	Where the Value of Optional Extras has been populated it is not greater than eight numerics.
58.	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 Birth Cert. Number.
59.	Where the Value of Optional Extras field has been populated with a figure greater than zero the Description of Optional Extras field must also be populated.
60.	The Description of Optional Extras field does not contain anything other than the following possible characters a-z, A-Z, 0-9, '()_&@*/, . :-
61.	The Payer TAN field is populated unless the Vehicle is exempt from VRT (formerly category D).
62.	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.
63.	Where the Payer TAN field has been populated there must be a relationship between the Payer TAN and the Filing TAN.

64.	The Repayment TAN has been returned where the Transaction Type Detail is that of Vehicle Hire or Demonstration Vehicle.
65.	The Repayment TAN equals the Owner TAN where the Transaction Type Detail is that of Demonstration Vehicle.
66.	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).
67.	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).
68.	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).
69.	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).
70.	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).
71.	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).
72.	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).
73.	Where the Payment Method of Long Deferred has been selected the Payer TAN must be the same as the Filing TAN.
74.	Where the Payment Method and the Payer TAN have been returned the Payer TAN must have permission to use that Payment Method.
75.	The Title field has been populated where the Owner Detail field is that of an Individual.
76.	Where populated, the Title field does not contain anything other than the following possible characters a-z, A-Z.
77.	Where populated, the Title field is not greater than five characters in length.
78.	The Surname field has been populated where the Owner Detail field is that of an Individual.
79.	Where populated, the Surname field is not greater than twenty five characters in length.
80.	Where populated, the Surname field does not contain anything other than the following possible characters a-z, A-Z, -.'
81.	The First Name field has been populated where the Owner Detail field is that of an Individual.
82.	Where populated, the First Name field is not greater than twenty characters in length.
83.	Where populated, the First Name field does not contain anything other than the following possible characters a-z, A-Z, -.'
84.	Where no Owner TAN was populated, the Company Name field has been populated where the Owner Detail field is that of a Company.
85.	Where populated, the Company Name is not greater than 50 characters in length.
86.	Where populated, the Company Name field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.,()'*
87.	Where no Owner TAN was populated, the first Address field has been populated.
88.	Where an Owner TAN was entered the County Index was returned.
89.	Where the County Index was returned it matches the County on the ROS database for the Owner TAN entered.
90.	Where populated, the first Address field is not greater than 35 characters in length.
91.	Where populated, the first Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',*
92.	Where no Owner TAN was populated, the second Address field is not greater than 35 characters in length.
93.	Where populated, the second Address field is not greater than 35 characters in length.
94.	Where populated, the second Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',*

95.	Where no Owner TAN was populated, the third Address field is not greater than 35 characters in length.
96.	Where populated, the third Address field is not greater than 35 characters in length.
97.	Where populated, the third Address field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',*
98.	Where no Owner TAN was populated, the Town / City field has been populated.
99.	Where populated, the Town / City field is not greater than 20 characters in length
100.	Where populated, the Town / City field does not contain anything other than the following possible characters 0-9, a-z, A-Z, -/&.()',*
101.	Where no Owner TAN was populated, the County field has been populated.
102.	Where populated, the County selected is a valid option.
103.	Where an entry has been made to the Year field an entry has also been made to the Period, Index, Number and Receipt No. fields.
104.	Where an entry has been made to the Index field an entry has also been made to the Year, Period, Number and Receipt No. fields.
105.	Where an entry has been made to the Index field that it matches the County or the County Index selected.
106.	Where an entry has been made to the Number field an entry has also been made to the Index, Year, Period and Receipt No. fields.
107.	Where an entry has been made to the Receipt Number field an entry has also been made to the Index, Number , Period and Year fields.
108.	Where an entry has been made to the Year field that it matches the current year.
109.	Where an entry has been made to the Period field an entry has also been made to the Year, Index, Number and Receipt No. fields.
110.	Where populated, the Period has a minimum value of 0 and a maximum value of 2.
111.	Where populated, the Reserved Registration Number and the Receipt Number exist and match on the ROS database.
112.	The EU Vehicle Classification field has been populated.
113.	The EU Vehicle Bodywork field has been populated when EU Vehicle Classification is M1 – M3, N1 – N3.
114.	The amended Statistical Code exists on the ROS database and has an Engine Max Net Power field associated with it that is not zero.
115.	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).
116.	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
117.	The ivanssta field is mandatory where amendedStatcode is valid and SQI is null
118.	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	Pink	L
Beige	D	Red / Maroon	M
Brown/Buff	E	Multi-coloured	N
Orange	F	Bronze	P
Yellow	G	Gold	Q
Green	H	Silver / Aluminium	R

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

Body-Type	Code	Body-Type	Code
Hatchback	40	Security Van / Truck	91
Hearse	21	Skip Loader	88
Hoist / Crane	15	Solid Bulk Carrier	61
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