

File Format Specification

VRT40 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	 Section 2.3.4 - Validation rule for attribute Mass previously stated that it was only required if the category of vehicle was B, C or D and the purpose of the form is new. Validation now includes category A in this rule. Complete list of validation rules added. 	
0.3 (Draft)	19/06/2002	 Updated table in Appendix C - Amending some of the allowable Body Types for the different vehicle categories. Amending validation rule for statistical code field. Amending validation rule for the form number field. Amending validation rule for the approval directive field. Amending validation rule on the OMSP as a percentage of RRSP field. Addition of new Transmission Type code 03 (Tiptronic). Amending validation rule for the transmission type field. Additional EU vehicle category code (7). Amending validation rule for axle weight 1 field. Amending validation rule for axle weight 2 field. Amending validation rule for axle weight 5 field. Amending validation rule for axle weight 5 field. The Engine Max Net Power Output is being changed from numeric to char. The complete list of validation rules in section 4 has been updated. 	
0.4 (Draft)	28/06/2002	 Standard element was incorrectly defined in the DTD. 	
0.5 (Draft)	10/07/2002	 Amending validation rules for make and model fields. The Omsp element is now a sub-element of the MandatoryDetails element and is no longer a subelement of the VariableDetails element. 	
0.6 (Draft)	25/07/2002	 Amending validation rule for Omsp attribute. Removed Exhaust CO2 Emissions attribute. Document format changed. 	
0.7 (Draft)	29/07/2002	 Amending validation for Statistical Code. Amending validation for the following fields: Engine Capacity, OMSP, RRSP, Axle Weight 1, Axle Weight 2, Axle Weight 3, Axle Weight 4, Axle Weight 5, GCW, GVW, Unladen Weight, Mass in Service, Trailer Towable Mass (braked and unbraked), Wheelbase, Cargo Area Length, Length and Width. Amending validation for the effective date. 	
0.8 (Draft)	30/07/2002	• Root element changed to VRT40File. This is to cater for multiple VRT40s within a single file.	
0.9 (Draft)	09/08/2002	• Corrected Validation Rule 15 of the common validation. Comment field can be no more than 200 characters.	
0.10 (Draft)	13/09/2002	 New Statistical Code Validation - division of Statistical code into two categories: SIMI codes – begin with 0, 1 Revenue code for new cars - begin with 4. 	

		• Correction of error in validation between Statistical Code
		and Transmission Type
		• OMSP as percentage corrected and validation about
		percentage being mathematically correct added.
		• appdirective <i>If the EU Vehicle Category is 4</i> changed to
		If the EU Vehicle Category is M1
		Transmission Type Upload validation
		• Addition of Example 4 to :
		'4. – Example XML Files'.
0.11	15/11/2002	Inserted sub-note regarding unladen weight.
0.12	25/11/2002	• OMSP and OMSP as a percentage of RRSP are required
		irrespective of the form purpose.
0.13	03/01/2003	• Updated validation rules for the comment, make, model
		and description attributes of the Standard element.
		• Removed sub-note regarding unladen weight for vehicle
		category A.
		• Amended validation rule for unladen weight field.
0.14	26/06/2006	Addition of 'Flexible Fuel' to engine type.
0.15	27/11/2010	• classification and bodywork added to Standard Element.
		Category removed from EUVehicle Element.
		Added new enginetype Plug-in Hybrid Electric
0.16	08/07/2011	• DTD definition updated:
		 Added new bodywork (EU Vehicle Bodywork)
		attribute values codes AG, BE, BX, CI, CJ.
		• Added new classification (EU Vehicle Classification)
		attribute value of UV
		• Appendix B updated with new list of valid EU Vehicle
		Classification / EU Vehicle Bodywork combinations
		(changes highlighted in red).
		• Appendix C updated with new list of valid EU Vehicle
		Classification / EU Vehicle Bodywork / Body Type
0.17	15/00/2012	combinations (changes highlighted in red).
0.17	15/08/2012	• <u>DTD Definition</u> updated:
		• Added the following fields to Standard:
		• CO2
		• coc_manufacturer
		- coc_type
		■ coc_variant
		• Added the following fields to WeightDimension
		• axle track width 1
		• axle track width 2
		• Added field definitions to Sections 3.4 & 3.9
		• Updated Section 4 – Example Files with new attributes
		• Updated Section 5 - Validation List with validation rules.
		\circ Table 1 – Added rules 51 – 69
		• Updated Appendix A – Added new body type
		Quadricycle
		• Updated Appendix C – Added mapping of new body
		type to $L6 \& L7$.
0.18	12/09/2014	Updates related to new and updated Engine types
		• Updated <u>Section 2</u> engine types
		• Update <u>Section 3.4</u> engine types

2 Document Type Definition

The VRT40 file should be a well-formed XML document conforming to the DTD below:

DOCTYPE VR</th <th>IdoFile[</th> <th></th> <th></th>	IdoFile[
ATTLIST</td <td>VRT40File (VRI40+)></td> <td></td> <td></td>	VRT40File (VRI40+)>		
	formversion	(1)	#REQUIRED
>	Language	(E G)	#REQUIRED
ELEMENT<br ELEMENT<br ELEMENT<br ATTLIST</td <td>VRT40 (MandatoryDeta MandatoryDetails (St Standard EMPTY></td> <td>ils, VariableDetails?)> andard, Omsp)></td> <td></td>	VRT40 (MandatoryDeta MandatoryDetails (St Standard EMPTY>	ils, VariableDetails?)> andard, Omsp)>	
	tan	CDATA	#REQUIRED
	dateeffect	CDATA	#REQUIRED
	category	(A B C M D)	#REQUIRED
	declarationno CDATA	#REOUI	TRED
	purpose	(new amend)	#REQUIRED
	make	CDATA	#REQUIRED
	description	CDATA	#REQUIRED #REOUIRED
	bodytype	CDATA	#REQUIRED
	enginetype	(01 02 03 04 05 06	#REQUIRED
		08 09 10 12 13 14 15 16 17 18 19)	
	transtype	(1 2 3)	#REQUIRED
	enginecapacityCDATA	#REQUI	RED
	nodoors	CDATA	#REQUIRED
	classification (L1 L2	L3 L4 L5 L6 L7 M1 #REOUI	RED
	014001110401011(11 11	M2 M3 N1 N2 N3 T1 T2 T3 T4 T5 UV)	
	bodywork	(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
	co2	CDATA	#REQUIRED
	coc_manufacturer	CDATA	#REQUIRED
	coc_variant	CDATA	#REQUIRED
	coc_version	CDATA	#REQUIRED
>			
ELEMENT<br ATTLIST</td <td>Omsp EMPTY> Omsp</td> <td></td> <td></td>	Omsp EMPTY> Omsp		
	rrsp	CDATA CDATA	#REQUIRED #TMPITED
	omspaspercent	CDATA	#IMPLIED
	omspdiff	CDATA	#IMPLIED
> ELEMENT<br ELEMENT</td <td>VariableDetails (Oth</td> <td>erVehicle?,EUVehicle?,Weig</td> <td>htDimension?)></td>	VariableDetails (Oth	erVehicle?,EUVehicle?,Weig	htDimension?)>
ATTLIST</td <td>OtherVehicle</td> <td></td> <td></td>	OtherVehicle		
	netpower	CDATA	#IMPLIED
	WINDOWS	CDATA CDATA	#IMPLIED #IMPIIED
	standing	CDATA	#IMPLIED
	ratio	CDATA	#IMPLIED
	FINAL CLA FMDWA		
ATTLIST</td <td>EUVehicle</td> <td></td> <td></td>	EUVehicle		
	appnumber	CDATA	#IMPLIED
	appdirective	CDATA	#IMPLIED
> ELEMENT<br ATTLIST</td <td>WeightDimension EMPT</td> <td>Υ></td> <td></td>	WeightDimension EMPT	Υ>	
	gvw	CDATA	#IMPLIED
	gcw	CDATA	#IMPLIED
	uniadenwgt	СЛАТА СПАТА	#IMPLIED #IMPLIED
	brakedmass	CDATA	#IMPLIED
	unbrakedmass	CDATA	#IMPLIED

	<pre>noaxles axlewgt1 axlewgt2 axlewgt3 axlewgt4 axlewgt5 wheelbase cargolength length width axle_track_width_1 axle_track_width_2</pre>	(2 3 4 5) CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA	#IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED #IMPLIED
--	--	---	--

>]>

3 Validation

The VRT40 file will consist of a root VRT40File element.

3.1 VRT40File

The VRT40File 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 VRT40File elements.

3.2 VRT40

The VRT40 element has no attributes and consists of one MandatoryDetails element and an optional VariableDetails element.

3.3 MandatoryDetails

The MandatoryDetails element has no attributes and consists of one Standard element and one Omsp element.

3.4 Standard

The Standard element has the following attributes:

ton	Numeric required	The filing TAN number (may value 00000)
	Numeric, required	The filling TAIN number (fillax value 99999).
dateeffect	Date, required	Effective date (format DD/MM/YYYY).
		• Must be at least the current date.
category	A, B, C, M or D,	Vehicle Registration Tax calculation basis /
	required	category.
		A = Emissions
		B = Flat Rate
		C = Commercial
		D = Exempt / No VRT
		M = Engine CC
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 75000 - 75999
		Where the fourth digit of the Statistical Code is
		not a numeric it must be within the following
		character set: a-h: i-n: n-z: A-H: I-N: P-7

declarationno	Alpha, required	Declaration number (length 9) (format NNNN/CCYY).
purpose	new or amend, required	Purpose of VRT40.
make	Alpha, required	Make of vehicle (max length 15).
		• Only characters from the following sets are
		valid: 0-9, a-z, A-Z, or ' ()& @ * \/+, \ '' :-
model	Alpha, required	Model of vehicle (max length 15).
		• Only characters from the following sets are
		valid: 0-9, a-z, A-Z, or ' ()& @ * \/+, \ '' :-
description	Alpha, required	Further Description (max length 30).
		• Only characters from the following sets are
		valid: 0-9, a-z, A-Z, or ' ()& @ * \ / + , \ "
1 1 .		
bodytype	Alpha, required	Vehicle body type.
		• See Appendix A for valid body-types and
	01 02 02 04 05 06	Appendix B for validation rules.
enginetype	01, 02, 03, 04, 05, 06, 07, 08, 00, 10	Vehicle engine power type.
	07, 08, 09, 10,	01 = Petrol only, 02 = Dissel
	required	02 = Diesel, 03 = Electric
		0.3 = Licente, 0.4 = Gas Only
		05 = Steam
		06 = Petrol and Gas,
		08 = Petrol/Electric
		09 = Ethanol/Petrol
		10 = Diesel/Electric
		12 = Tvo/Petrol
		13 = Other
		14 = Tvo
		15 = Diesel/Plug-In Electric Hybrid
		16 = Petrol/Plug-In Electric Hybrid
		1 / = Ethanol/Diesei
		10 = Dissol/Gas
transtype	1 2 or 3 required	19 – Diesel/Oas Vehicle transmission type
uanstype	1, 2 01 5, required	1 = Manual
		2 = Automatic
		3 = Electronic
		Where the vehicle has a Statistical Code
		conforming to the SIMI standard:
		• Where the Transmission Type is Manual,
		the last digit of the statistical code must be
		• Where the Transmission Type is
		Automatic, the last digit of the statistical
		code must be 2
		• Where the Transmission Type is
		Electronic, the last digit of the statistical code must be 3
enginecapacity	Numeric, required	Vehicle engine capacity (max value 999999).
nodoors	Numeric, required	Number of vehicle doors (max value 9).
comment	Alpha, required	List of standard features or reason for
	_	amendment (max length 200).
		• Only characters from the following sets are
		valid: 0-9, a-z, A-Z, or '()& @ * \/+, \''
		.:-

		CO2 value should be entered here for EU vehicle classifications.
alassification		The EU vehicle Classification
classification	L1, L2, L3, L4, L3,	The EU vehicle Classification.
	L6, L7, N1, N2, N3,	
	M1, M2, M3,	
	T1, T2, T3, T4, T5,	
	required	
bodywork	AA, AB, AC, AD,	The EU Vehicle Bodywork. Required if
-	AE. AF. AG. BA.	classification is M1. M2. M3. N1. N2 or N3.
	BB BC BD BE	, , , , , ,
	BX CA CB CL CL	
	CX SA SP SC SD	
	CA, SA, SD, SC, SD,	
	SF, SO, SH, SA,UV	
co2	Numeric, required	The CO2 Emissions. Must be zero for Electric
		vehicles. Otherwise between 50 and 999.
coc_manufacturer	Alpha, required	The Manufacturer as specified on the
		Certificate of Conformity. Valid characters are:
	120 characters max.	Letters, numbers, spaces and any of the
		following special chars:
		'() &@*\\/+,\" .:-
coc type	Alpha, required	The Manufacturer as specified on the
		Certificate of Conformity. Valid characters are:
	120 characters max	Letters numbers spaces and any of the
	120 characters man.	following special chars:
		() & () & () & () & () & () & () & () &
and variant	Almha maguinad	The Menufecturer of creating on the
coc_variant	Alpha, required	The Manufacturer as specified on the
	100.1	Certificate of Conformity. Valid characters are:
	120 characters max.	Letters, numbers, spaces and any of the
		following special chars:
		'()_&@*\\/+,\":-
coc_version	Alpha, required	The Manufacturer as specified on the
		Certificate of Conformity. Valid characters are:
	120 characters max.	Letters, numbers, spaces and any of the
		following special chars:
		'()_&@*\\/+,\":-

3.5 Omsp

The Omsp element has the following attributes:

rrsp	Numeric, required	RRSP (max length 8).
omsp	Numeric, optional	OMSP (max value 99999999).
		• Required if the EU Vehicle Classification
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5.
		• Must be less than or equal to the value of
		RRSP.
omspaspercent	Numeric, optional	OMSP as percent of RRSP (max value 100.000)
		(format NNN.NNN).
		• Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
		• The percentage must be correct to three
		decimal places.
		• The percentage must be equal to:
		<u>OMSP X 100</u>
		RRSP
		correct to three decimal places.
omspdiff	Numeric, optional	Difference in OMSP (max value 99999999).

 Required if the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
or T5 and the purpose of the form is
'amend.
• If the difference in OMSP is negative, a
minus sign '-' should prefix the value
making the max length 9.

3.6 VariableDetails

The VariableDetails element has no attributes.

It consists of an optional OtherVehicle element, an optional EUVehicle element and an optional WeightDimension element. However if the purpose of the declaration is 'new', the VariableDetails element along with all elements within are required.

3.7 OtherVehicle

The OtherVehicle element is required if the purpose of the declaration is 'new'. It has the following attributes:

netpower	Alpha, required	The engine max net power. (max length 20)
neepower	r npna, required	Paguired if the purpose of the form is
		• Required if the purpose of the form is
		 The value should be suffixed with 'hp' or
		'kW' as appropriate.
windows	Numeric, optional	The number of windows (max value 999).
		• Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5 and the purpose of the form is 'new'.
seats	Numeric, optional	The number of seats (max value 999).
		• Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5 and the purpose of the form is 'new'.
standing	Numeric, optional	The number of standing places (max value 999).
		• Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5 and the purpose of the form is 'new'.
ratio	Numeric, optional	The power to weight ratio (max value 99999).
		• Required if the EU Vehicle Classification is
		L1, L2, L3, L4, L5, L6 or L7 and the
		purpose of the form is 'new'.

3.8 EUVehicle

The EUVehicle element is required for all EU Vehicle Classifications and the purpose of the form is 'new'. It has the following attributes:

appnumber	Alpha, required	The type approval number (max length 30).
appdirective	Alpha, required	The type approval directive (max length 16).

3.9 WeightDimension

The WeightDimension element is required if the Vehicle Category is A, B, C or D and the purpose of the form is 'new'. It has the following attributes:

gvw	Numeric, optional	The GVW (max value 9999999).
		• Required if the Vehicle Registration Tax

		 will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
gcw	Numeric, optional	 The GCW (max value 9999999). Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
unladenwgt	Numeric, optional	 The unladen weight (max value 9999999). Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
mass	Numeric, optional	 The mass in service (max value 999999). Required if the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5 and the purpose of the form is 'new'. Must be greater than 0 when present.
brakedmass	Numeric, optional	 The trailer towable mass (when braked) (max value 999999). Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
unbrakedmass	Numeric, optional	 The trailer towable mass (when unbraked) (max value 999999). Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
noaxles	2, 3, 4 or 5, optional	 The number of axles. Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and the purpose of the form is 'new'. Must be greater than 0 when present.
axlewgt1	Numeric, optional	 The axle weight 1 (front axle) (max value 999999). Required if the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories

		B, C, and D - see Appendix C) and the
		purpose of the form is 'new'.
		• Must be greater than 0 when present.
axlewgt2	Numeric, optional	The axle weight 2 (front axle) (max value 999999).
		• Required if the Vehicle Registration Tax
		will be based on Flat Rate or Fixed Rate
		calculations or the vehicle is exempt / no
		VRT applies (formerly Revenue Categories
		B, C, and D - see Appendix C) and the
		Must be greater than 0 when present
avlawat?	Numeric optional	Must be greater than 0 when present. The syle weight 3 (front syle) (may yelue
aniewgt5	Numerie, optional	999999).
		Required if the Vehicle Registration Tax
		will be based on Flat Rate or Fixed Rate
		calculations or the vehicle is exempt / no
		VRT applies (formerly Revenue Categories
		B, C, and D - see Appendix C) and the
		Must be greater than 0 when present
avlewat/	Numeric optional	The ayle weight 4 (front ayle) (may value
anewst	Tumerie, optional	999999).
		• Required if the Vehicle Registration Tax
		will be based on Flat Rate or Fixed Rate
		calculations or the vehicle is exempt / no
		VRT applies (formerly Revenue Categories
		B, C, and D - see Appendix C) and the
		• Must be greater than 0 when present
axlewgt5	Numeric, optional	The axle weight 5 (front axle) (max value
		999999).
		Required if the Vehicle Registration Tax
		will be based on Flat Rate or Fixed Rate
		calculations of the vehicle is exempt / no
		B C and D see Appendix C) and the
		nurnose of the form is 'new'
		 Must be greater than 0 when present
wheelbase	Numeric, optional	The wheelbase (front axle) (max value 99999).
() III OIC USO	r (uniterite, optional	 Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5 and the purpose of the form is 'new'.
		• Must be greater than 0 when present.
cargolength	Numeric, optional	The cargo area length (max value 9999).
		• Required if the Vehicle is Category B or C,
		the body type is 82 and the purpose of the
		form is 'new'.
1 .1		• Must be greater than 0 when present.
length	Numeric, optional	The length of the vehicle (max value 99999).
		• Required if the EU Vehicle Classification is M1 M2 M3 N1 N2 N3 T1 T2 T3 T4
		or T5 and the purpose of the form is 'new'
		 Must be greater than 0 when present
width	Numeric. optional	The width of the vehicle (max value 99999).
	, ., ., ., ., ., ., ., ., ., ., ., ., .,	Required if the EU Vehicle Classification is
		M1, M2, M3, N1, N2, N3, T1, T2, T3, T4
		or T5 and the purpose of the form is 'new'.
		• Must be greater than 0 when present.

ax	kle_track_width_1	Numeric,	The axle track width 1. Min value of 400. Max
			value of 3000
		Optional for	
		motorcycles, required	
		otherwise.	
ах	kle_track_width_1	Numeric,	The axle track width 2. Min value of 400. Max
			value of 3000
		Optional always	

4 Example XML Files

These are examples of correct VRT40 files. Note: the data used is for sample purposes and does not represent valid Statistical Code or TAN entries.

Example 1:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRT40File formversion="1" language="E">
  <VRT40>
   <MandatoryDetails>
     <Standard tan="12345" dateeffect="28/08/2002" category="C"</pre>
        statcode="42653241" declarationno="5423/2002" purpose="new"
       make="Polarus" model="Hiatsu" description="vli" bodytype="21"
       enginetype="01" transtype="1" enginecapacity="3501"
       nodoors="2" comment="CD, Air Conditioning" bodywork="SD"
              classification="M1" co2="150" coc manufacturer="My
      Manufacturer" coc_type="My Type" coc_variant="My Variant"
      coc version="My Version"/>
      <Omsp rrsp="32000" omsp="28800" omspaspercent="90.000"</pre>
        omspdiff="3200"/>
   </MandatoryDetails>
   <VariableDetails>
     <OtherVehicle netpower="3500kW" windows="3" seats="2"
       standing="0"/>
      <EUVehicle appnumber="98140160" appdirective="GV/2001/VTA"
      <WeightDimension gvw="32523" gcw="253525" unladenwgt="45455"
       mass="52332" brakedmass="23452" unbrakedmass="3455" noaxles="4"
       axlewgt1="1400" axlewgt2="1300" axlewgt3="1500" axlewgt4="1600"
              wheelbase="8000" cargolength="9000" length="15000"
      width="3000" axle_track_width_1="1203" axle_track_width_2="1204"/>
    </VariableDetails>
 </VRT40>
</VRT40File>
```

Example 2:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRT40File formversion="1" language="E">
 <VRT40>
    <MandatoryDetails>
      <Standard tan="12345" dateeffect="26/07/2002" category="A"
        statcode="12345472" declarationno="4567/2002" purpose="new"
        make="Parius" model="Orion" description="VXi" bodytype="32"
        enginetype="02" transtype="2" enginecapacity="2001"
        nodoors="5" comment="CD, Alloy Wheels, Sun Roof" bodywork="AA"
                classification="M1" co2="150" coc_manufacturer="My
        Manufacturer" coc type="My Type" coc variant="My Variant"
        coc version="My Version" />
      <Omsp rrsp="16000" omsp="15000" omspaspercent="93.75" omspdiff="120"/>
    </MandatoryDetails>
    <VariableDetails>
      <OtherVehicle netpower="240HP" windows="7" seats="4" standing="0"/>
      <EUVehicle category="M1" appnumber="98140160"
        appdirective="GV/2001/VTA" />
      <WeightDimension mass="250" wheelbase="3000" length="4000"
        width="2000" axle track width 1="1203"/>
    </VariableDetails>
  </VRT40>
</VRT40File>
```

Example 3: (When it is an amendment, axle_track_width_1 is still required once it's not a motorcycle)

```
<?xml version="1.0" encoding="UTF-8"?>
<VRT40File formversion="1" language="E">
 <VRT40>
    <MandatoryDetails>
      <Standard tan="12345" dateeffect="28/08/2002" category="C"
        statcode="42653241" declarationno="5423/2002" purpose="amend"
       make="Polarus" model="Hiatsu" description="vli" bodytype="03"
       enginetype="01" transtype="1" enginecapacity="3501"
       nodoors="2" comment="CD, Air Conditioning" bodywork="CA"
                classification="M3" co2="150" coc_manufacturer="My
        Manufacturer" coc_type="My Type" coc_variant="My Variant"
        coc version="My Version"/>
     <Omsp rrsp="35000" omsp="34000" omspaspercent="97.14" omspdiff="20"/>
   </MandatoryDetails>
   <VariableDetails>
      <OtherVehicle netpower="3500kW" />
      <WeightDimension axle track width 1="1203"/>
    </VariableDetails>
 </VRT40>
</VRT40File>
```

```
Example 4: (When it is a motorcycle, axle_track_width_1 is not required)
```

```
<?xml version="1.0" encoding="UTF-8"?>
<VRT40File formversion="1" language="E">
  <VRT40>
    <MandatoryDetails>
      <Standard tan="12345" dateeffect="26/07/2002" category="A"
        statcode="12345472" declarationno="4567/2002" purpose="new"
        make="Parius" model="Orion" description="VXi" bodytype="32"
        enginetype="02" transtype="2" enginecapacity="2001"
        nodoors="5" comment="CD, Alloy Wheels, Sun Roof" bodywork=""
classification="L1" co2="150" coc_manufacturer="My
        Manufacturer" coc_type="My Type" coc_variant="My Variant"
        coc version="My Version" />
      <Omsp rrsp="16000" omsp="15000" omspaspercent="93.75" omspdiff="120"/>
    </MandatoryDetails>
    <VariableDetails>
      <OtherVehicle netpower="240HP" windows="7" seats="4" standing="0"/>
      <EUVehicle category="M1" appnumber="98140160"
        appdirective="GV/2001/VTA" />
      <WeightDimension mass="250" wheelbase="3000" length="4000"
        width="2000"
    </VariableDetails>
  </VRT40>
</VRT40File>
```

Example 4:

```
<?xml version="1.0" encoding="UTF-8"?>
<VRT40File formversion="1" language="E">
  <VRT40>
    <MandatoryDetails>
      <Standard tan="12345" dateeffect="28/08/2002" category="C"
        statcode="42653241" declarationno="5423/2002" purpose="new"
        make="Polarus" model="Hiatsu" description="vli" bodytype="21"
        enginetype="01" transtype="1" enginecapacity="3501"
        nodoors="2" comment="CD, Air Conditioning" bodywork="SD"
                classification="N1" co2="150" coc_manufacturer="My
        Manufacturer" coc type="My Type" coc_variant="My Variant"
        coc_version="My Version"/>
      <Omsp rrsp="32000" omsp="28800" omspaspercent="90.000"
        omspdiff="3200"/>
    </MandatoryDetails>
    <VariableDetails>
      <OtherVehicle netpower="3500kW" windows="3" seats="2" standing="0"/>
      <EUVehicle category="N1" appnumber="98140160"
        appdirective="GV/2001/VTA" />
      <WeightDimension gvw="32523" gcw="253525" unladenwgt="45455"
       mass="52332" brakedmass="23452" unbrakedmass="3455" noaxles="4"
        axlewgt1="1400" axlewgt2="1300" axlewgt3="1500" axlewgt4="1600"
        wheelbase="8000" cargolength="9000" length="15000" width="3000"/>
    </VariableDetails>
  </VRT40>
  <VRT40>
    <MandatoryDetails>
      <Standard tan="44234" dateeffect="28/09/2002" category="A"
        statcode="126K3241" declarationno="5423/2003" purpose="amend"
        make="Polarus" model="Hiatsu" description="vli" bodytype="84"
        enginetype="01" transtype="1" enginecapacity="3501"
        nodoors="2" comment="CD, Air Conditioning" bodywork="AA"
        classification="M1" co2="150" coc_manufacturer="My Manufacturer" coc_type="My
Type" coc_variant="My Variant" coc_version="My Version" />
      <Omsp rrsp="32000" omsp="28000" omspaspercent="87.500"</pre>
        omspdiff="3200"/>
    </MandatoryDetails>
    <VariableDetails>
      <WeightDimension axle track width 1="1203"/>
    </VariableDetails>
  </VRT40>
</VRT40File>
```

5 Validation List

The following validation will be performed on uploaded files:

Number	Validation
1.	The Filing TAN field has been returned.
2.	The Filing TAN exists.
3.	The Declaration Number field has been returned.
4.	The Declaration Number field has been populated with nine characters.
5.	The Declaration Number field contains a backslash (/) as the fifth digit.
6.	The Statistical Code field has been populated.
7.	The Statistical Code field contains eight characters.
8.	The Statistical Code is of the format 999X9999 or 999999999 (where 9 is a numeric and
	X is a character) In addition:
	The fourth digit where it is a character may not be "I. O. i." or "o".
	• The Statistical Code conforms to one of the following formats:
	\circ (SIMI Code) First digit is a 0 or a 1 and the last digit is either 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:
	■ 10000 – 55999
	 70000 – 70999
	 75000 - 75999
9.	The Effective Date field has been returned.
10.	The Effective Date field contains a valid date.
11.	The Effective Date is not less than today.
12	The Vehicle Category field has been returned
13	A valid selection has been returned for the Vehicle Category based on the tables in
15.	Appendix C
14	The Comment field has been returned
15	The Comment field does not contain more than two hundred characters
15.	The Comment field does not contain more than two hundred characters.
10.	characters $a_{-7} = A_{-7} = 0.9 \ () \ \&(0 \ *) \ / \ + \)''$
17	The Make field has been returned
17.	The Make field does not contain more than fifteen characters
10.	The Make field does not contain more than incent characters.
17.	a $a_{2,7}$ A-7 (0.9) () $\&@* //+ ''$:-
20	The Model field has been returned
20.	The Model field does not contain more than fifteen characters
21.	The Model field does not contain anything other than the following possible characters
22.	a_{-7} A-7 0-9 '() & @*\\/+ \" ·-
23	The Further Description field has been returned
23.	The Further Description field does not contain more than thirty characters
24.	The Further Description field does not contain anything other than the following possible
23.	characters $a_{-7} A_{-7} O_{-9} () \& @ * // / + /'' :-$
26	The Body Type field has been returned
20.	A valid selection from the Body Type field has been returned
27.	The Body Type selected is valid for the EU Vehicle Classification / EU Vehicle
20.	Bodywork combination
29	The Engine Capacity field has been returned
30	The Engine Capacity field does not contain more than six numerics
31	The Engine Fuel / Power Type field has been returned
32	A valid selection from the Engine Eyel / Power Type field has been returned
33	The Transmission Type has been returned
33.	A valid selection from the Transmission Type field has been returned
25	Where the selection from the Transmission Type field is Automatic the last digit of the
55.	Statistical Code is 2 where the Statistical Code is a SIMI code
36	Where the selection from the Transmission Type field is Manual the last digit of the
50.	Statistical Code is 1 where the Statistical Code is a SIMI code
27	Statistical Code Is 1 where the Statistical Code Is a SIMI code
57.	where the selection from the fransmission fype field is Electronic the last digit of the

	Statistical Code is 3 where the Statistical Code is a SIMI code
38.	The No. of Doors field has been returned.
39.	The No. of Doors field does not contain more than one numeric
40.	The OMSP field has been returned where the EU Vehicle Classification returned is M1,
	M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
41.	Where the OMSP field has been returned it does not contain more than eight numerics.
42.	Where the OMSP field has been returned it is greater than zero.
43.	The RRSP field has been returned where the Vehicle Category returned.
44.	The RRSP field returned does not contain more than eight numerics.
45.	The figure in the RRSP field is not greater than the figure in the OMSP field where the
	OMSP field has been returned.
46.	Where the RRSP field has been returned it is greater than zero.
47.	The OMSP as % of RRSP field has been returned where the EU Vehicle Classification is
	M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
48.	Where the OMSP as % of RRSP field has been returned it does not contain more six
	numerics.
49.	Where the OMSP as % of RRSP field has been returned it contains the correct figure (to
	two decimal places).
50.	Where the OMSP as % of RRSP field has been returned it contains no more than three
	leading numerics before the decimal place and no more than three trailing numerics after
	the decimal place and that the value returned is equal to
	<u>OMSP X 100</u>
	RRSP
	correct to three decimal places.
51.	The CO2 Emissions field has been returned.
52.	The CoC Manufacturer field has been returned.
53.	The CoC Type field has been returned.
54.	The CoC Variant field has been returned.
55.	When any instance is abathing CO2 must be 0
50.	Where engine type is net electric, CO2 must be between 50 and 000
59	The COC Manufacturer field does not contain more than 120 characters
50.	The COC Manufacturer field does not contain more than 120 characters.
59.	characters
	$a a -7 A -7 D -9 () & @*\\/+ \" :-$
60	The COC Type field does not contain more than 120 characters
61.	The COC Type field does not contain anything other than the following possible
011	characters
	a a-z, A-Z, 0-9, '() & @*\\/ +, \" ::-
62.	The COC Variant field does not contain more than 120 characters.
63.	The COC Variant field does not contain anything other than the following possible
	characters
	a a-z, A-Z, 0-9, '()_&@*\\//+, \":-
64.	The COC Version field does not contain more than 120 characters.
65.	The COC Version field does not contain anything other than the following possible
	characters
	a a-z, A-Z, 0-9, '()_&@*\\/+, \":-
66.	The Axle Track Width 1 field has been returned when it is not a Motorcycle (L1-L7)
67.	Where the Axle Track Width 1 field has been returned, a value between 400 and 3000
	(inclusive) is specified
68.	Where the Axle Track Width 2 field has been returned, a value between 400 and 3000
(0)	(inclusive) is specified
69.	Where bodytype contains new Quadricycle body type code of 100, the EU Category
	should be L6 or L/

Number	Validation
1.	The Statistical Code is not already in use.
2.	The Engine Max Net Power field has been returned.
3.	The Engine Max Net Power field does not contain more than twenty numerics.
4.	The Engine Max Net Power field is greater than zero.
5.	The Power / Weight Ratio field has been returned where the EU Vehicle Classification is
6.	Where the Power / Weight Ratio has been returned it does not contain more than five
7	Where the Power / Weight Ratio field has been returned it is greater than zero
7.	The No. of Windows field has been returned where the FU Vehicle Classification is M1
0.	M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
9.	Where the No. of Windows field has been returned it does not contain more than three numerics.
10.	The No. of Seats field has been returned where the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
11.	Where the No. of Seats field has been returned it does not contain more than three numerics.
12.	Where the No. of Seats field has been returned it is greater than zero.
13.	The No. of Standing Places field has been returned where the VRT Calculation is based
	on Emissions, Flat Rate, Commercial or Exempt (formerly Vehicle Category A, B, C and D respectively).
14.	Where the No. of Standing Places field has been returned it does not contain more than three numerics
15.	The EU Category field has been returned where the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, L1, L2, L3, L4, L5, L6, L7, T1, T2, T3, T4 or T5.
16.	Where the EU Category field has been returned it contains a valid selection.
17.	The Type Approval Directive field has been returned where the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5,
18.	The Type Approval Directive does not contain more than eight characters where the EU Category returned is M1.
19.	The Type Approval Directive does not contain more than sixteen characters where the EU Category returned is not M1.
20.	The Type Approval Number field has been returned where the EU Vehicle Classification is M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
21.	The No. of Axles field has been returned for vehicles where the Vehicle Registration Tax
	will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see Appendix C).
22.	The No. of Axles field does not contain a figure other than two, three, four or five for vehicles where the Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B,
	C, and D - see Appendix C).
23.	The Axle Weight 1 field has been returned for vehicles where the Vehicle Registration
	Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no
	VRT applies (formerly Revenue Categories B, C, and D - see Appendix C).
24.	Where the Axle Weight 1 field has been returned it does not contain more than six
	numerics.
25.	Where the Axle Weight 1 field has been returned it is greater than zero.
26.	The Axle Weight 2 field has been returned for vehicles where the Vehicle Registration
	Tax will be based on Flat Kate or Fixed Kate calculations or the vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D, see Appendix C)
27	Where the Ayle Weight 2 field has been returned it does not contain more than six
21.	where the Axie weight 2 new has been returned it does not contain more than SIX
28	Where the Ayle Weight 2 field has been returned it is greater than zero
20.	The Ayle Weight 3 field has been returned where the No. of Ayles field is three
30	Where the Ayle Weight 3 field has been returned it does not contain more than six
50.	numerics.

Where the purpose of the form is 'new', additional validation will be performed.

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31.	Where the Axle Weight 3 field has been returned it is greater than zero.
32.	The Axle Weight 4 field has been returned where the No. of Axles field is three.
33.	Where the Axle Weight 4 field has been returned it does not contain more than six
	numerics.
34.	Where the Axle Weight 4 field has been returned it is greater than zero.
35.	The Axle Weight 5 field has been returned where the No. of Axles field is three.
36	Where the Ayle Weight 5 field has been returned it does not contain more than six
50.	numerics
37	Where the Ayle Weight 5 field has been returned it is greater than zero
20	The CCW field has been returned for vahiales where the Vahiale Desistration Tax will be
38.	The GCW field has been returned for venicles where the venicle Registration Tax will be
	based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRI applies
	(formerly Revenue Categories B, C, and D - see Appendix C).
39.	Where the GCW field has been returned it does not contain more than seven numerics.
40.	Where the GCW field has been returned it is greater than zero.
41.	The GVW field has been returned where the Vehicle Category is either B, C or D.
42.	Where the GVW field has been returned it does not contain more than seven numerics.
43.	Where the GVW field has been returned it is greater than zero.
44.	The Unladen Weight field has been returned where the Vehicle Registration Tax will be
	based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT applies
	(formerly Revenue Categories B, C, and D - see Appendix C).
45	Where the Unladen Weight field has been returned it does not contain more than seven
15.	numerics
46	Where the Unladen Weight field has been returned it is greater than zero
40.	The Mass in Service field has been returned where the EU Vahiele Classification is M1
47.	The mass in Service field has been returned where the EU vehicle Classification is $M1$, $M2$ $M2$ $M1$ $N2$ $N1$ $N2$ $T1$ $T2$ $T2$ $T4$ or $T5$
4.0	M2, M3, M1, M2, M3, 11, 12, 13, 14 of 13.
48.	Where the Mass in Service field has been returned it does not contain more than six
	numerics.
49.	Where the Mass in Service field has been returned it is greater than zero.
50.	The Trailer Towable Mass (braked) field has been returned for vehicles where the
	Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the
	vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see
	Appendix C).
51.	Where the Trailer Towable Mass (braked) field has been returned it does not contain
	more than six numerics.
52.	The Trailer Towable Mass (unbraked) field has been returned for vehicles where the
	Vehicle Registration Tax will be based on Flat Rate or Fixed Rate calculations or the
	vehicle is exempt / no VRT applies (formerly Revenue Categories B, C, and D - see
	Appendix C).
53.	Where the Trailer Towable Mass (unbraked) field has been returned it does not contain
	more than six numerics.
54.	The Wheelbase field has been returned where the EU Vehicle Classification is M1, M2,
	M3, N1, N2, N3, T1, T2, T3, T4 or T5.
55.	Where the Wheelbase field has been returned it does not contain more than five numerics.
56.	Where the Wheelbase field has been returned it is greater than zero.
57	The Cargo Area Length field has been returned for vehicles where the Vehicle
57.	Registration Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is
	exempt / no VRT applies (formerly Revenue Categories B C and D - see Appendix C)
	and the Body Type is that of Craw Cabs
58	Where the Cargo Area Length field has been returned it does not contain more than four
58.	where the Cargo Area Length field has been returned it does not contain more than rour
50	Where the Cause Area Laught field has been returned it is another than some
J9.	where the Cargo Area Length here has been returned it is greater than zero.
60.	I ne Length of vehicle field has been returned where the EU vehicle Classification is
- 4	M1, M2, M3, N1, N2, N3, 11, 12, 13, 14 or 15.
61.	Where the Length of Vehicle field has been returned it does not contain more than five
	numerics.
62.	Where the Length of Vehicle field has been returned it is greater than zero.
63.	The Width of Vehicle field has been returned where the EU Vehicle Classification is M1,
	M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
64.	Where the Width of Vehicle field has been returned it does not contain more than five

	numerics.	
65.	Where the Width of Vehicle field has been returned it is greater than zero.	

Where the purpose of the form is 'amend, additional validation will be performed.

Number	Validation
1.	The Difference in OMSP field has been returned where the EU Vehicle Classification is
	M1, M2, M3, N1, N2, N3, T1, T2, T3, T4 or T5.
2.	Where the Difference in OMSP field has been returned it does not contain more than
	eight numerics or eight numerics with a leading minus sign (i.e).
3.	The Statistical Code exists on the ROS database and the Engine Max Net Power field
	associated with it is not zero.
4.	The Engine Max Net Power field does not contain more than twenty numerics.
5.	Where the Engine Max Net Power field has been returned it is greater than zero.
б.	Where the Power / Weight Ratio has been returned it does not contain more than five
	numerics.
7.	Where the Power / Weight Ratio field has been returned it is greater than zero.
8.	Where the No. of Windows field has been returned it does not contain more than three
	numerics.
9.	Where the No. of Seats field has been returned it does not contain more than three
	numerics.
10.	Where the No. of Windows field has been returned it is greater than zero.
11.	Where the No. of Standing Places field has been returned it does not contain more than
	three numerics.
12.	Where the EU Category field has been returned it contains a valid selection.
13.	The Type Approval Directive does not contain more than eight characters where the EU
	Category returned is M1.
14.	The Type Approval Directive does not contain more than sixteen characters where the
	EU Category returned is not M1.
15.	The No. of Axles field has been returned for vehicles where the Vehicle Registration Tax
	will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no VRT
	applies (formerly Revenue Categories B, C, and D - see Appendix C).
16.	The No. of Axles field does not contain a figure other than two, three, four or five for
	Vehicle Categories B, C or D.
17.	The Axle Weight 1 field has been returned for vehicles where the Vehicle Registration
	Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no
	VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and a figure
	has been returned in the No. of Axles field.
18.	Where the Axle Weight 1 field has been returned it does not contain more than six
	numerics.
19.	Where the Axle Weight 1 field has been returned it is greater than zero.
20.	The Axle Weight 2 field has been returned fro vehicles where the Vehicle Registration
	Tax will be based on Flat Rate or Fixed Rate calculations or the vehicle is exempt / no
	VRT applies (formerly Revenue Categories B, C, and D - see Appendix C) and a figure
	has been returned in the No. of Axles field.
21.	Where the Axle Weight 2 field has been returned it does not contain more than six
	numerics.
22.	Where the Axle Weight 2 field has been returned it is greater than zero.
23.	The Axle Weight 3 field has been returned where the No. of Axles field is three.
24.	Where the Axle Weight 3 field has been returned it does not contain more than six
	numerics.
25.	Where the Axle Weight 3 field has been returned it is greater than zero.
26.	The Axle Weight 4 field has been returned where the No. of Axles field is four.
27.	Where the Axle Weight 4 field has been returned it does not contain more than six
	numerics.
28.	Where the Axle Weight 4 field has been returned it is greater than zero.
29.	The Axle Weight 5 field has been returned where the No. of Axles field is five.
30.	Where the Axle Weight 5 field has been returned it does not contain more than six
	numerics.

31.	Where the Axle Weight 5 field has been returned it is greater than zero.
32.	Where the GCW field has been returned it does not contain more than seven numerics.
33.	Where the GCW field has been returned it is greater than zero.
34.	Where the GVW field has been returned it does not contain more than seven numerics.
35.	Where the GVW field has been returned it is greater than zero.
36.	Where the Unladen Weight field has been returned it does not contain more than seven
	numerics.
37.	Where the Unladen Weight field has been returned it is greater than zero.
38.	Where the Mass in Service field has been returned it does not contain more than six
	numerics.
39.	Where the Mass in Service field has been returned it is greater than zero.
40.	Where the Trailer Towable Mass (braked) field has been returned it does not contain
	more than six numerics.
41.	Where the Trailer Towable Mass (unbraked) field has been returned it does not contain
	more than six numerics.
42.	Where the Wheelbase field has been returned it does not contain more than five numerics.
43.	Where the Wheelbase field has been returned it is greater than zero.
44.	Where the Cargo Area Length field has been returned it does not contain more than four
	numerics.
45.	Where the Cargo Area Length field has been returned it is greater than zero.
46.	Where the Length of Vehicle field has been returned it does not contain more than five
	numerics.
47.	Where the Length of Vehicle field has been returned it is greater than zero.
48.	Where the Width of Vehicle field has been returned it does not contain more than five
	numerics.
49.	Where the Width of Vehicle field has been returned it is greater than zero.

Note that where the form being uploaded is an amended VRT40 it is not necessary to complete the VariableDetails element. Where the above validations are passed those fields that were not returned will be inferred from the VRT40 record already on file.

The following fields that do not appear on the VRT40 Form or stored in the VRT40 file but can be inferred:

- Engine Fuel / Power Type Description can be inferred from the Engine Fuel / Type Code.
- Body Type Text can be inferred from the Body Type Code.
- Distributor is the name of the Filing TAN on the ROS database.
- Authorised Signatory is the individual who uploaded the VRT40.
- The Date of Declaration is the date of Upload to ROS.

Appendix A Acceptable Vehicle Body-Type Codes.

Body-Type	Code	Body-Type	Code
Agricultural Tractor	18	Military Vehicle	84
All Terrain Vehicle	79	Minibus	03
Ambulance	28	Mobile shop	14
Amphibious Vehicle	94	Moped	44
Articulated Tractor Unit	75	Motor Caravan	49
Boat Carrier	93	Motorcycle	11
Bottle Float	57	Motorcycle Combination	47
Box Van	52	MPV	92
Bulldozer	68	Offroad Dumper	39
Bus	05	Open Lorry	08
Car Transporter	63	Open Lorry and Container	07
Chassis Cab	95	Other Goods Heavy	64
Combine Harvester	20	Other Light Goods	51
Compressor	62	Other SP Agricultural Machine	67
Concrete Mixer / Concrete Pump	24	Other Van	56
Convertible	41	Pick-Up	48
Crew Cab	82	Quadricycle	100
Curtain Sider	86	Recovery Vehicle	60
Cut Down / Sealed-Up Vehicle	86	Refuse Collector	30
Drain Cleaner	36	Rescue Vehicle	83
Drop-Side Lorry	90	Rigid	81
Dumper	58	Road Construction Transporter	34
Estate	26	Road Maintenance Vehicle	69
Excavator / Digger / Trench Digger	77	Road Marking Machine	71
Fire Engine	19	Road Roller	29
General Haulage Tractor	27	Road Tar Sprayer	70
Glass Carrier	16	Saloon	01
Goods Tricycle	55	School Bus	04
Gritter / Chip Spreader	74	Security Van / Truck	91
Hatchback	31	Skip Loader	88
Hearse	40	Solid Bulk Carrier	61
Hoist / Crane	21	SP Forage Harvester	66
Hopper Truck	15	SP Potato Harvester	65
Horse Box / Animal Transporter	59	Sports Coupe (non-convertible)	42
Insulated / Refrigerated Van	25	Station Wagon / Jeep	02
Invalid Vehicle	54	Tanker	23
Jeep	32	Tipper	87
Limousine	76	Tracked Excavator	73
Lifeboat Transporter	33	Tricycle	09
Liftback	78	Van	06
Loading Shovel	43	Van With Side Windows	50

Body-Type	Code	Body-Type	Code
Low-Loader	72	Watering / Sweeping Machine	38
Luton Van	53		

Appendix B 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
СВ
CI
CJ
CX
SA
SB
SC
SD
SG
SH
SX

EU Vehicle Classification: M3
CA
СВ
СІ
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

EU Vehicle Classification: UV SX

Appendix C The list of valid Body Types and category for each EU Vehicle Classification / EU Vehicle Bodywork combination.

EU Vehicle Classification: M1			
EU Vehicle Bodywork	Revenue	Body Type	
	Category		
АА	A	01	
		32	
		43	
		84	
AB	Α	32	
		40	
		78	
		84	
AC	Α	02	
		32	
		33	
		76	
		77	
		78	
		84	
		92	
AD	А	32	
		42	
		84	
AE	А	32	
		41	
		84	
AF	А	33	
		76	
		77	
		84	
		92	
AG	Α	02	
		76	
SA	В	49	
SB	А	01	
		43	
		76	
		84	
SC	D	28	
SD	С	21	
SG	А	92	
SH	А	32	
SX	D	01	
		37	
		51	

EU Vehicle Classification: M2			
EU Vehicle Bodywork	Revenue Category	Body Type	
CA	C	03	
		04	
		05	
СВ	С	05	
CI	С	03	
CJ	С	05	
CX	С	03	
		04	
		05	
		32	
		94	
SA	В	49	
SB	С	03	
		04	
		05	
		32	
SC	D	28	
SD	С	21	
SG	С	05	
SH	С	05	
SX	D	05	
		37	

EU Vehicle Classification: M3			
EU Vehicle Bodywork	Revenue Category	Body Type	
СА	C	03	
		04	
		05	
СВ	С	05	
CI	С	03	
CJ	С	05	
CX	С	03	
		04	
		05	
		32	
		50	
		94	
SA	В	49	
SB	С	03	
		04	
		05	
		32	
		50	
SC	D	28	
SD	С	21	
SG	С	05	
SH	С	05	
SX	D	05	
		37	

EU Vehicle Classification: N1			
EU Vehicle Bodywork	Revenue Category	Body Type	
BA	BorC	07	
	Done	08	
		14	
		22	
		22	
		25	
		24	
		25	
		20	
		31	
		33	
		34	
		30	
		38	
		48	
		51	
		52	
		55	
		56	
		57	
		58	
		59	
		60	
		61	
		71	
		82	
		84	
		87	
		91	
DD	D C	95	
вв	B or C	14	
		22	
		23	
		24	
		25	
		26	
		36	
		48	
		50	
		51	
		53	
		54	
		55	
		56	
		57	
		60	
		61	
		<u>/1</u>	
		82	
		0 4 87	
		91	
		95	
BE	B or C	48	
BX	B or C	37	

EU Vehicle Classification: N1			
EU Vehicle Bodywork	Revenue	Body Type	
	Category		
SB	B or C	06	
		07	
		08	
		50	
		84	
		91	
SC	D	28	
SD	С	21	
SF	B or C	15	
SG	B or C	30	
		31	
		59	
		83	
		88	
		90	
SH	B or C	06	
SX	D	27	
		29	
		33	
		34	
		37	
		38	
		69	
		70	

EU Vehicle Classification: N2			
EU Vehicle Bodywork	Revenue Category	Body Type	
BA	С	07	
		08	
		14	
		22	
		23	
		24	
		25	
		26	
		30	
		31	
		33	
		34	
		36	
		38	
		39	
		48	
		55	
		56	
		57	
		58	
		59	
		60	
		61	
		62	

EU Vehicle Classification: N2			
EU Vehicle Bodywork	Revenue Category	Body Type	
		63	
		64	
		68	
		71	
		75	
		81	
		82	
		83	
		84	
		86	
		87	
		88	
		90	
		91	
		95	
BB	С	06	
		14	
		25	
		36	
		48	
		50	
		52	
		53	
		54	
		55	
		56	
		57	
		60	
		64	
		82	
		83	
		84	
		86	
		87	
		88	
		90	
		91	
		95	
BC	с	34	
		60	
		93	
BD	С	16	
		22	
		39	
		63	
		93	
BE	С	48	
BX	С	37	

EU Vehicle Classification: N2			
EU Vehicle Bodywork	Revenue	Body Type	
	Category		
SA	В	49	
SB	С	06	
		07	
		08	
		50	
		84	
		91	
SC	D	28	
SD	C	21	
SF	C	15	
SG	С	30	
		31	
		39	
		59	
		83	
		88	
		90	
SX	D	27	
		29	
		33	
		34	
		37	
		38	
		69	
		70	

EU Vehicle Classification: N3				
EU Vehicle Bodywork	Revenue Category	Body Type		
BA	C	06		
		31		
		33		
		34		
		62		
		75		
BB	С	07		
		08		
		14		
		22		
		23		
		24		
		25		
		26		
		30		
		31		
		33		
		34		
		36		
		38		
		39		
		48		
		50		
		52		
		53		
		54		
		55		
		56		
		57		
		58		
		59		
		60		
		61		
		63		
		64		
		68		
		69		
		70		
		71		
		81		
		82		
		83		
		84		
		86		
		87		
		88		
		90		

EU Vehicle Classification: N3			
EU Vehicle Bodywork	Revenue Category	Body Type	
		91	
		95	
BC	С	34	
		60	
		93	
BD	С	16	
		22	
		39	
		63	
		93	
BE	С	48	
BX	С	37	
SA	В	49	
SB	С	07	
		08	
		50	
		84	
		91	
SC	D	28	
SD	С	21	
SF	С	15	
SG	С	30	
		31	
		39	
		59	
		62	
		83	
		88	
		90	
SX	D	27	
		29	
		33	
		34	
		37	
		38	
		60	
		70	
		70	

EU Vehicle Classification: UV			
EU Vehicle Bodywork	Revenue Category	Body Type	
SX	С	12	
		13	
		15	
		20	
		29	
		37	
		38	
		39	
		62	
		68	
		72	
		80	
		85	
		89	

The following EU Vehicle Classifications do not have an associated EU Vehicle Bodywork. The valid Body Type is based on the EU Vehicle Classification only.

EU Vehicle Classification	Revenue	Body
	Category	Туре
T1	С	18
		19
		20
		65
		66
		67
		72
		73
		80
T2	С	18
		19
		20
		65
		66
		67
		72
		73
		80
T3	С	18
		19
		20
		65
		66
		67
		72
		73
		80
T4	C	18

EU Vehicle Classification	Revenue	Body
	Category	Туре
		19
		20
		65
		66
		67
		72
		73
		80
Т5	С	18
		19
		20
		65
		66
		67
		72
		73
		80
L1	М	44
		45
		46
L2	М	09
L3	М	11
L4	Μ	47
L5	М	74
L6	Μ	79
	М	100
L7	Μ	79
	М	100