#### COMMISSION OF THE EUROPEAN COMMUNITIES



Brussels, COM(2010)

Draft

#### COMMISSION REGULATION (EU) No .../..

of [...]

laying down detailed provisions for the application for a derogation from the specific CO<sub>2</sub> emission targets pursuant to Article 11 of Regulation (EC) No 443/2009

(Text with EEA relevance)

#### THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 443/2009 of the European Parliament and of the Council of 23 April 2009 setting emission performance standards for new passenger cars as part of the Community's integrated approach to reduce CO<sub>2</sub> emissions from light-duty vehicles<sup>1</sup>, and in particular Article 11(8) thereof,

#### Whereas:

- (1) According to Article 11 of Regulation (EC) No 443/2009 small-volume and niche manufacturers may apply for alternative emissions reduction targets relating to the reduction potential of a given manufacturer's vehicles to reduce their specific emissions of CO<sub>2</sub>, and consistent with the characteristics of the market for the types of cars concerned.
- (2) In order to determine the reduction potential, the applicant should provide detailed information on his economic activities as well as the CO<sub>2</sub> reducing technologies used in the vehicles. The information requested include data that should be readily available to the applicant and does not entail an additional administrative burden.
- (3) In determining the manufacturer's reduction potential, the applicant's economic and technological potential should be assessed. For that purpose the applicant should

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OJ L 140, 5.6.2009, p. 1.

provide detailed information on his economic activities as well as information on CO<sub>2</sub> reducing technologies used in the cars.

- (4) To provide consistency between the reduction target requested from small-volume and niche manufacturers, and in order to avoid putting at a disadvantage the manufacturers that decreased their average specific CO<sub>2</sub> emissions prior to 2012, the specific CO<sub>2</sub> emission targets for small-volume manufacturers should be compared to their average specific CO<sub>2</sub> emissions in 2007. Where this data does not exist the target should be compared to the average specific CO<sub>2</sub> emissions in the following calendar year closest to 2007.
- (5) In order to take into account the limited product offer of some small-volume manufacturers and resulting limited scope for distribution of the reduction effort over the fleet, the applicants should be allowed to choose between a single yearly specific emission target for the period of derogation or different yearly targets resulting in reduction from the 2007 baseline at the end of the derogation.
- (6) Article 11(4) of Regulation (EC) No 443/2009 allows certain manufacturers to benefit from an alternative specific emissions target which is 25 % lower than their average specific emissions of CO<sub>2</sub> in 2007. An equivalent specific emissions target based on the best available CO<sub>2</sub>-reducing technologies in 2007 should be determined where information on a manufacturer's average specific emissions of CO<sub>2</sub> does not exist for the year 2007. The ratio of maximum power to vehicle mass should be used to distinguish different market characteristics for cars of a given mass for the purpose of identifying the best available CO<sub>2</sub> emissions reduction technologies.
- (7) Certain information contained in the application for derogation should be exempted from public access where disclosure of this information would undermine the protection of commercial interest, in particular information on the manufacturer's product planning, expected costs and impacts on the profitability of the company.
- (8) The measures provided for in this Regulation are in accordance with the opinion of the Climate Change Committee established by Article 9 of Decision No 280/2004/EC of the European Parliament and of the Council<sup>2</sup>,

#### HAS ADOPTED THIS REGULATION:

# Article 1 Subject matter

This Regulation specifies the information to be provided by manufacturers for the purpose of demonstrating that the conditions for a derogation pursuant to Article 11(1) or 11(4) of Regulation (EC) No 443/2009 are satisfied.

<sup>&</sup>lt;sup>2</sup> OJ L 49, 19.2.2004, p. 1.

# Article 2 Definitions

In addition to the definitions set out in Articles 2 and 3 of Regulation (EC) No 443/2009, the following definitions shall apply:

- (a) 'applicant' means a manufacturer within the meaning of Article 11(1) or 11(4) of Regulation (EC) 443/2009;
- (b) 'vehicle characteristics' means the features of the vehicle, including mass, its specific CO<sub>2</sub> emissions, the number of seats, engine performance, power to mass ratio and top speed;
- (c) 'characteristics of the market' means information on vehicle characteristics, and names and price ranges of cars directly competing with the vehicles for which a derogation is sought;
- (d) 'own production facility' means a manufacturing or assembly plant used solely by the applicant for the purpose of manufacturing or assembling new passenger cars exclusively for that manufacturer, including, where relevant, passenger cars which are intended for export;
- (e) 'own design centre' means a facility in which the whole vehicle is designed and developed, and which is under the control and exclusive use of the applicant.

# Article 3 Application for a derogation pursuant to Article 11(1) and (4) of Regulation (EC) No 443/2009

- 1. An application for a derogation pursuant to Article 11(1) of Regulation (EC) No 443/2009 shall be submitted by the applicant in accordance with the format specified in Annex I to this Regulation, and shall include the information set out in Article 4(1) and Article 5 of this Regulation.
- 2. An application for a derogation pursuant to Article 11(4) of Regulation (EC) No 443/2009 shall be submitted by the applicant in accordance with the format specified in Annex II to this Regulation, and shall include the information set out in Article 4(2) and Article 6 of this Regulation.

#### Article 4

# Information on eligibility criteria

- 1. The applicant shall provide the following information on the eligibility criteria:
  - (a) information on the ownership structure of the manufacturer or group of connected manufacturers, together with the relevant declaration set out in Annex III;
  - (b) for the manufacturer applying for a derogation pursuant to Article 11(1) of Regulation (EC) No 443/2009, or the group of connected manufacturers in

accordance with point (b) of Article 11(1) of that Regulation, or for the member of a group of connected manufacturers in accordance with point (c) of Article 11(1) of that Regulation, the number of passenger cars officially registered in the Union in the three calendar years preceding the date of application, or where such data is not available, one of the following:

- (i) an estimate based on verifiable data of the number of cars registered in the period referred to in point (b) for which the applicant is responsible;
- (ii) if no cars were registered in the period referred to in point (b), the number of cars registered in the last calendar year for which such data is available.
- 2. An applicant applying for a derogation pursuant to Article 11(4) of Regulation (EC) No 443/2009 shall provide the data listed in point (b) of paragraph 1 of this Article only for the calendar year preceding the date of application.

# Article 5 Specific emissions target and reduction potential

- 1. The applicant shall provide its average specific emissions of CO<sub>2</sub> in 2007unless listed in Annex IV, or where not available, in the following calendar year closest to 2007. This figure shall be considered as a baseline for assessment of the applicant's reduction potential.
- 2. The applicant shall provide the following information on his activity:
  - (a) for the calendar year preceding the date of application, the number of employees and the size of the production facility in square meters;
  - (b) the operational model of the production facility specifying which design and production activities are performed by the applicant or outsourced;
  - (c) in the case of a connected undertaking, if the technology is shared by the manufacturers, and which activities are outsourced;
  - (d) for five calendar years preceding the date of application, the sales volumes, yearly turnover, net profit, and R&D spending, and in the case of a connected undertaking, the net transfers to the parent company.
    - This information shall be accompanied by the official certified accounts or shall be certified by an independent auditor when the application is submitted by a manufacturer responsible for more than 100 cars per year.
  - (e) the characteristics of their market;
  - (f) the price list for all versions of cars to be covered by the derogation in the calendar year preceding the date of application, and the expected price list for the cars planned to be launched and to be covered by the derogation.
- 3. The applicant shall provide the following information on its technological potential:

- (a) the list of CO<sub>2</sub> reducing technologies used in its passenger cars deployed on the market in 2007 or, where that data is not available, for the following year closest to 2007, or in case manufacturers planning to enter the market, for the year of entry into force of the derogation;
- (b) the list of CO<sub>2</sub> reducing technologies used in its passenger cars under the reduction programme and the additional costs of these technologies per each vehicle version covered by the application.
- 4. The specific emissions target proposed by the applicant in accordance with point (d) of Article 11(2) of Regulation (EC) No 443/2009 shall be accompanied by a programme of reduction for the new fleet's specific CO<sub>2</sub> emissions.

The applicant may also propose yearly specific emissions targets resulting in a reduction from the baseline average specific emissions of CO<sub>2</sub> at the expiry of the derogation period.

The applicant's compliance with a specific emissions target or yearly specific emissions targets shall be assessed each year during the derogation period.

The reduction programme shall specify the following:

- (a) the timetable for introduction of CO<sub>2</sub> reducing technologies in the applicant's fleet;
- (b) the estimated Union registrations per year for the period of the derogation and the expected average specific emissions of CO<sub>2</sub> and average mass;
- (c) in the case of yearly specific emissions targets, the expected yearly improvement of average specific CO<sub>2</sub> emissions of the applicant's fleet.

#### Article 6

Reduction target for a derogation pursuant to Article 11(4) of Regulation (EC) No 443/2009

- 1. The applicant shall provide the average mass and average specific CO<sub>2</sub> emissions of its passenger cars registered in 2007, unless the average specific CO<sub>2</sub> emissions for that year are listed in Annex IV to this Regulation.
- 2. The reduction target determined in accordance with Article 11(4) of Regulation (EC) No 443/2009 shall apply in relation to the average specific CO<sub>2</sub> emissions for 2007 specified in Annex IV to this Regulation, or provided by the applicant.
- 3. Where information on a manufacturer's average specific CO<sub>2</sub> emissions in 2007 does not exist, the applicant shall provide information on the vehicle characteristics for all types of cars manufactured by him as well as the number of cars manufactured by the applicant that the applicant expects to be registered in the Union in the first year of the derogation. The applicant shall indicate for all variants of cars to which of the vehicle classes specified in the table in Annex V the variant belongs.

The specific emissions target shall be calculated annually based on the 25% reduction from the baseline for each vehicle class set out in Annex V.

# Article 7 Assessment by the Commission

1. Where the Commission has raised no objections within nine months of official receipt of a complete application pursuant to Article 11(1) or Article 11(4) of Regulation (EC) No 443/2009 the relevant conditions for applying the derogation shall be deemed to be satisfied.

If the Commission finds that the application is incomplete, additional information may be requested. Where the additional information is not submitted within the time period specified in the request, the Commission may reject the application.

In the case of a rejection due to the incompleteness of the application or due to the Commission finding the proposed specific emissions target inconsistent with the applicant's reduction potential, the applicant may submit a completed or revised application for a derogation.

- 2. Applications shall be sent in printed and electronic versions and be addressed to the Secretariat General of the European Commission, 1049 Brussels, Belgium, marked "Derogation under Regulation (EC) No 443/2009". The electronic version shall be also sent to the functional mailbox specified in Annex I.
- 3. Where information contained in the application is found to be incorrect or inaccurate, the decision to grant a derogation may be revoked.

# Article 8 Public access to information

- 1. An applicant that considers that information submitted in the application should not be disclosed in accordance with Article 11(9) of Regulation (EC) No 443/2009 shall indicate this in the application and justify why disclosure would undermine the protection of the commercial interests of the applicant, including intellectual property.
- 2. The exception from the right to public access to documents set out in Article 4(2) of Regulation (EC) No 1049/2001 of the European Parliament and of the Council<sup>3</sup> shall be deemed to apply to the following types of information:
  - (a) details of the reduction programme referred to in Article 5, and in particular details concerning the development of the manufacturer's product portfolio;
  - (b) expected impacts of  $CO_2$  reducing technologies on the production costs, purchase prices of vehicles and profitability of the company.

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<sup>&</sup>lt;sup>3</sup> OJ L 145, 31.5.2001, p.43.

# Article 9 Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Done at Brussels, [...]

For the Commission
[...]
Member of the Commission

## **ANNEX I**

# Standard format of the application for a derogation to be submitted by manufacturers meeting the criteria of Article 11(1) of Regulation (EC) No 443/2009

The electronic version of the application shall be sent to the following email address:

EC-CO2-LDV-IMPLEMENTATION@ec.europa.eu

1. NAME, ADDRESS AND CONTACT PERSON FOR THE MANUFACTURER OR GROUP OF CONNECTED MANUFACTURERS

Names of manufacturer	Postal address	Contact person email	Contact person telephone number

2.	ELIGIBILITY CRITERIA							
2.1.	Is the applicant part of a group of	connected mar	nufacturers?					
	YES (declaration set out in Annex III to be attached)							
	□NO							
2.2.	Is the applicant part of a group of connected manufacturers but operates its own production facilities and design centre?							
	YES (declaration set out in Annex III to be attached; see point 2.3)							
	☐ NO (see point 2.4 and 2.5)							
2.3.	Number of registrations in the Umanufacturer or connected manual and own design centre:							
2.3.1.	Official figure in three calendar ye	ears preceding	the date of app	olication				
	Year							
	Number of EU registrations							
2.3.2.	Where the official figure referred to in point (a) is not available for the period referred to therein, an estimate based on verifiable data							
	Year							
	Number of EII registrations							

2.3.3	•	•	gures in point ( dar year for wh		. ,			that	period, the fig	ures for
		Year								
		Number of E	U registrations							
2.4.		If the application following:	ation refers to	a gro	up of con	nect	ed manufa	cture	ers please prov	ride the
		fames of nanufacturer	Postal Address	Con	stact on name		ntact son email		ontact persone phone number	l l
2.5.		application re	•	of c	onnected	manı	ifacturers a	and	d manufacturer the applicant d	
2.5.1		Official figur	e in three caler	ıdar y	ears prece	ding	the date of	app	olication	
		Year								
		Number of E	U registrations							
2.5.2			official figure i erein, an estima		-			t av	ailable for the	period
		Year								
		Number of E	U registrations							
2.5.3			gures in point ( dar year for wh					tha	t period, the fig	gure for
		Year								
		Number of E	U registrations							
3.	1	Requestei	DURATION OF	THE	DEROGAT	ION	1			
		Number of (maximum 5)	•	/ears						

4.	FO	ERIOD	OF I	DEROG	ATION	OR :	SEPARATI		FLEET AVI ONS TARG	
										1

Year			
Average specific emission target (g CO <sub>2</sub> /km)			

## 5. COMPANY SPECIFIC INFORMATION

5.1.	Average specific emissions of CO <sub>2</sub> in 2007 if not included in Annex IV (or if not available in the following calendar year closest to 2007)	
5.2.	Number of employees in the calendar year preceding the date of application	
5.3.	Size of the production facility in square meters in the calendar year preceding the application	

# **5.4.** Sales volumes for 5 years preceding the date of application

Year			
Sales volumes			

# **5.5.** Yearly turnover for 5 years preceding the date of application

Year			
Turnover			

### **5.6.** Characteristics of the market

Information on planned products, not available on the market at the time of the application, should be provided in the confidential section of this application.

- (a) the vehicle characteristics;
- (b) the names and price ranges of directly competing vehicles in the year preceding the date of application;
- (c) the price list of vehicles that are to be covered by the derogation in the calendar year preceding the date of application or in the closest year to the date of application.

**5.7.** Brief description of the operation model

#### CONFIDENTIAL SECTION OF THE APPLICATION

**5.8.** Net profit for 5 years preceding the date of application

Year			
Net profit			

**5.9.** R&D spending over 5 years preceding the date of application

Year			
R&D spending			

**5.10.** Net financial transfers to the parent company in case of connected undertakings during 5 years preceding the date of application

Year			
Net transfers			

- 6. DETAILS OF THE PASSENGER CARS TO BE LAUNCHED ON THE UNION MARKET FOR WHICH THE APPLICANT WILL BE RESPONSIBLE
- **6.1.** Characteristics of the market
- 6.1.1. Vehicle characteristics;
- 6.1.2. Names and price ranges of directly competing vehicles in the year preceding the date of application;
- 6.1.3. Expected price list of vehicles to be covered by the derogation.
- 7. APPLICANT'S TECHNOLOGICAL POTENTIAL
- **7.1.** List of CO<sub>2</sub>-reducing technologies deployed in the applicant's fleet in 2007;
- **7.2.** Where the list referred to in point 7.1 is not available, the list for the following year closest to 2007;
- **7.3.** In case of applicants planning to enter the market, the list referred to in point 7.1 should be provided for the first year of the derogation.
- 8. APPLICANT'S REDUCTION PROGRAMME
- **8.1.** Timetable for deployment of CO<sub>2</sub> reducing technologies in the fleet;
- **8.2.** Expected fleet average during the period of derogation:

8.2.1.	Union registrations per year during the period of derogation			
8.2.2.	Expected average mass of vehicles to be launched on the Union market			
8.2.3.	Expected average specific CO <sub>2</sub> emissions of vehicles to be launched on the Union market			

- **8.3.** CO<sub>2</sub> reducing technologies to be deployed in the applicant's fleet under the reduction programme;
- **8.4.** The additional costs per vehicle version of the technologies to be deployed as part of the programme;
- **8.5.** Expected yearly improvement of average specific CO<sub>2</sub> emissions of the applicant's fleet in the case of yearly targets.

# **ANNEX II**

# Standard format of the application for derogation to be submitted by manufacturers meeting the criteria of Article 11(4) of Regulation (EC) No 443/2009

#### PUBLIC SECTION OF THE APPLICATION

1.	NAME, ADDRESS AND CONTACT PERSON FOR THE MANUFACTURER OR GROUP OF
	CONNECTED MANUFACTURERS

Names of manufacturer	Postal address	Contact person name	Contact person telephone number

2.	ELIGIBILITY CRITERIA
2.1.	Is the applicant part of a group of connected manufacturers?
	YES (declaration set out in Annex III to be attached; see point 2.3)
	NO (see point 2.2)
2.2.	Number of registrations in the Union if the application refers to unconnected manufacturer:
2.2.1.	Official figure in the last calendar year preceding the date of application
	Year
	Number of EU registrations
2.2.2.	Where the official figure referred to in point (a) is not available for the period

Year	
Number of EU registrations	

2.2.3. Where the figures in point (a) and (b) are not available for that period, the figure for the last calendar year for which such data is available

Year	
Number of EU registrations	

2.3.	If the application	refers to a group	of connected	manufacturers:
	ii die application	icicis to a group	or commetted	municial actual cars.

- 2.3.1. The names of connected manufacturers
- 2.3.2. The number of registrations in the Union in the calendar year preceding the date of application of a group of connected manufacturers

Year	
Number of EU registrations	

2.3.3. Where the figure referred to in point (b) is not available, the figure or an estimate based on verifiable data for the last calendar year for which such data is available

Year	
Number of EU registrations	

#### 3. DETAILS OF THE PASSENGER CARS FOR WHICH THE APPLICANT IS RESPONSIBLE

Information on planned products, not available on the market at the time of the application, should be provided in the confidential section of this application.

- **3.1.** average specific CO<sub>2</sub> emissions in 2007 if not included in Annex IV to this Regulation
- **3.2.** average mass of vehicles in 2007 in case average specific CO<sub>2</sub> emissions in 2007 are not included in Annex IV to this Regulation
- **3.3.** if data for 2007 is not available, the following:
  - (a) Registrations in the Union, or an estimate based on verifiable data if official figures not available at the time of application, in the calendar year closest to 2007:
  - (b) The vehicle characteristics for all types of cars;
  - (c) The list of cars grouped per vehicle class as set out in Annex V.
  - 4. SPECIFIC EMISSIONS TARGET OF 25% REDUCTION FROM THE 2007 BASELINE

### CONFIDENTIAL SECTION OF THE APPLICATION

- 5. DETAILS OF THE PASSENGER CARS TO BE LAUNCHED ON THE UNION MARKET BY THE APPLICANT (CONCERNS MANUFACTURERS NOT INCLUDED IN ANNEX IV)
- **5.1.** Vehicle characteristics for all cars
- **5.2.** List of cars grouped per vehicle class as set out in Annex V
- **5.3.** Expected EU registrations of vehicles in the first year of the derogation

### ANNEX III

### Standard format of the declaration stating the structure of ownership

### Article 11(1)(a) of Regulation (EC) No 443/2009

I hereby declare that I am legally empowered to represent [name] (the manufacturer) applying for a derogation as foreseen in Article 11(1) of Regulation (EC)  $N^{\circ}$  443/2009 which is not part of a group of connected manufacturers as defined in Article 3(2) thereof. To the best of my knowledge the [name] (the manufacturer) is eligible to apply for a derogation as foreseen in Article 11(1) of Regulation (EC)  $N^{\circ}$  443/2009 and that the information contained in the application is true and accurate. Information on the ownership structure of [name] (the manufacturer) is annexed.

Signature Date

Director of [manufacturer]

### Article 11(1)(b) or 11(4)(a) of Regulation (EC) No 443/2009

I hereby declare that I am legally empowered to represent [name] (the manufacturer) applying for a derogation as foreseen in Article 11[(1)] [(4)]\* of Regulation (EC) N° 443/2009 which is part of a group of connected manufacturers as defined in Article 3(2) thereof. To the best of my knowledge the [name] (the manufacturer) is eligible to apply for a derogation as foreseen in Article 11[(1)] [(4)]\* of Regulation (EC) N° 443/2009 and that the information contained in the application is true and accurate. Information on the ownership structure of [name] (the manufacturer) is annexed.

Signature Date

Director of [manufacturer]

\*Identify the applicable paragraph.

#### Article 11(1)(c) of Regulation (EC) No 443/2009

I hereby declare that I am legally empowered to represent [name] (the manufacturer) applying for a derogation as foreseen in Article 11 of Regulation (EC) N° 443/2009 which is part of a group of connected manufacturers as defined in Article 3(2) thereof but operates its own production facilities and design centre as defined in Article 2 of Commission Regulation (EC) N° and the legislation (EC) N° the best of my knowledge the [name] (the manufacturer) is eligible to apply for a derogation as foreseen in Article 11[(1)] of Regulation (EC) N° 443/2009 and that the information contained in the application is true and accurate. Information on the ownership structure of [name] (the manufacturer) is annexed.

Signature Date

Director of [manufacturer]

 $\underline{\text{ANNEX IV}}$  List of Union average specific CO  $_2$  emissions in 2007 per manufacturer

Manufacturer	Average emissions [g/km]
AIXAM	164,000
ALPINA	219,932
AM GENERAL	357,000
ASTON MARTIN	377,860
AUDI	184,752
AUSTIN	450,000
AUTOMOBILES DANGEL	153,000
AVTOVAZ	216,632
BEAUFORD	208,000
BENTLEY	411,664
BMW	171,684
BRABUS	246,000
BRONTO	233,000
BUGATTI	577,667
CATERHAM	236,088
CHRYSLER	226,141
CITROEN	142,536
DACIA	154,650
DAIHATSU	153,070
DAIMLER	182,524
DIAMOND	260,000
DONKERVOORT	194,000
DR MOTOR COMPANY	193,048
FERRARI	434,860
FIAT	141,496

FUJI HEAVY INDUSTRIES         219,488           GEELY         183,000           GENERAL MOTORS         159,604           GM DAEWOO         160,071           GWM         253,480           HC&E         220,000           HONDA         157,613           HYUNDAI         162,046           ISUZU         176,133           IVECO         224,770           JAGUAR         208,219           KIA         157,239           LAMBORGHINI         424,087           LAND ROVER         250,399           LOTUS         208,399           MAGYAR SUZUKI         156,280           MASERATI         354,687           MAZDA         172,568           MG         186,801           MICHALAK         117,000           MICROCAR         178,000           MITSUBISHI         174,649           MK SPORTSCARS         117,000           MORGAN         202,324           NETHERLANDS CAR         141,061           NISSAN         168,408	FORD	149,343
GENERAL MOTORS 159,604 GM DAEWOO 160,071 GUMPERT 342,000 GWM 253,480 HC&E 220,000 HONDA 157,613 HYUNDAI 162,046 ISUZU 176,133 IVECO 224,770 JAGUAR 208,219 KIA 157,239 LAMBORGHINI 424,087 LAND ROVER 250,399 LOTUS 208,399 MAGYAR SUZUKI 156,280 MASERATI 354,687 MAZDA 172,568 MG 186,801 MICHALAK 117,000 MICROCAR 178,000 MITSUBISHI 174,649 MK SPORTSCARS 117,000 MORGAN 202,324 NETHERLANDS CAR 141,061	FUJI HEAVY INDUSTRIES	219,488
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HYUNDAI 162,046 ISUZU 176,133 IVECO 224,770 JAGUAR 208,219 KIA 157,239 LAMBORGHINI 424,087 LAND ROVER 250,399 LOTUS 208,399 MAGYAR SUZUKI 156,280 MASERATI 354,687 MAZDA 172,568 MG 186,801 MICHALAK 117,000 MICROCAR 178,000 MITSUBISHI 174,649 MK SPORTSCARS 117,000 MORGAN 202,324 NETHERLANDS CAR 141,061	HC&E	220,000
ISUZU 176,133 IVECO 224,770 JAGUAR 208,219 KIA 157,239 LAMBORGHINI 424,087 LAND ROVER 250,399 LOTUS 208,399 MAGYAR SUZUKI 156,280 MASERATI 354,687 MAZDA 172,568 MG 186,801 MICHALAK 117,000 MICROCAR 178,000 MITSUBISHI 174,649 MK SPORTSCARS 117,000 MORGAN 202,324 NETHERLANDS CAR 141,061	HONDA	157,613
IVECO       224,770         JAGUAR       208,219         KIA       157,239         LAMBORGHINI       424,087         LAND ROVER       250,399         LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	HYUNDAI	162,046
JAGUAR       208,219         KIA       157,239         LAMBORGHINI       424,087         LAND ROVER       250,399         LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	ISUZU	176,133
KIA       157,239         LAMBORGHINI       424,087         LAND ROVER       250,399         LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	IVECO	224,770
LAMBORGHINI       424,087         LAND ROVER       250,399         LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	JAGUAR	208,219
LAND ROVER       250,399         LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	KIA	157,239
LOTUS       208,399         MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	LAMBORGHINI	424,087
MAGYAR SUZUKI       156,280         MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	LAND ROVER	250,399
MASERATI       354,687         MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	LOTUS	208,399
MAZDA       172,568         MG       186,801         MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	MAGYAR SUZUKI	156,280
MG 186,801  MICHALAK 117,000  MICROCAR 178,000  MITSUBISHI 174,649  MK SPORTSCARS 117,000  MORGAN 202,324  NETHERLANDS CAR 141,061	MASERATI	354,687
MICHALAK       117,000         MICROCAR       178,000         MITSUBISHI       174,649         MK SPORTSCARS       117,000         MORGAN       202,324         NETHERLANDS CAR       141,061	MAZDA	172,568
MICROCAR 178,000  MITSUBISHI 174,649  MK SPORTSCARS 117,000  MORGAN 202,324  NETHERLANDS CAR 141,061	MG	186,801
MITSUBISHI 174,649  MK SPORTSCARS 117,000  MORGAN 202,324  NETHERLANDS CAR 141,061	MICHALAK	117,000
MK SPORTSCARS 117,000  MORGAN 202,324  NETHERLANDS CAR 141,061	MICROCAR	178,000
MORGAN 202,324 NETHERLANDS CAR 141,061	MITSUBISHI	174,649
NETHERLANDS CAR 141,061	MK SPORTSCARS	117,000
<u> </u>	MORGAN	202,324
NISSAN 168,408	NETHERLANDS CAR	141,061
	NISSAN	168,408

OSV       135,915         PERODUA       138,135         PEUGEOT       142,205         PGO       201,767         PILGRIM       193,000         PORSCHE       287,710         PROTON       155,185         QUADZILLA       176,000         QUATTRO       290,774         RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TOYOTA       150,634         TVR       397,500         UAZ       314,000	OPEL	153,699
PEUGEOT 142,205 PGO 201,767 PILGRIM 193,000 PORSCHE 287,710 PROTON 155,185 QUADZILLA 176,000 QUATTRO 290,774 RENAULT 146,893 ROLLS ROYCE 394,526 ROVER 188,399 RUF 327,000 SAAB 190,444 SALVADOR CAETANO 224,000 SANTANA 165,965 SEAT 151,184 SHUANGHUAN 270,000 SKODA 149,387 SOVAB 233,822 SSANGYONG 223,430 SUZUKI 166,012 TATA 168,310 TIGER 244,000 TOYOTA 150,634 TVR 397,500	OSV	135,915
PGO 201,767 PILGRIM 193,000 PORSCHE 287,710 PROTON 155,185 QUADZILLA 176,000 QUATTRO 290,774 RENAULT 146,893 ROLLS ROYCE 394,526 ROVER 188,399 RUF 327,000 SAAB 190,444 SALVADOR CAETANO 224,000 SANTANA 165,965 SEAT 151,184 SHUANGHUAN 270,000 SKODA 149,387 SOVAB 233,822 SSANGYONG 223,430 SUZUKI 166,012 TATA 168,310 TIGER 244,000 TOYOTA 150,634 TVR 397,500	PERODUA	138,135
PILGRIM       193,000         PORSCHE       287,710         PROTON       155,185         QUADZILLA       176,000         QUATTRO       290,774         RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	PEUGEOT	142,205
PORSCHE 287,710 PROTON 155,185 QUADZILLA 176,000 QUATTRO 290,774 RENAULT 146,893 ROLLS ROYCE 394,526 ROVER 188,399 RUF 327,000 SAAB 190,444 SALVADOR CAETANO 224,000 SANTANA 165,965 SEAT 151,184 SHUANGHUAN 270,000 SKODA 149,387 SOVAB 233,822 SSANGYONG 223,430 SUZUKI 166,012 TATA 168,310 TIGER 244,000 TOYOTA 150,634 TVR 397,500	PGO	201,767
PROTON       155,185         QUADZILLA       176,000         QUATTRO       290,774         RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	PILGRIM	193,000
QUADZILLA       176,000         QUATTRO       290,774         RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	PORSCHE	287,710
QUATTRO       290,774         RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	PROTON	155,185
RENAULT       146,893         ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	QUADZILLA	176,000
ROLLS ROYCE       394,526         ROVER       188,399         RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	QUATTRO	290,774
ROVER 188,399 RUF 327,000 SAAB 190,444 SALVADOR CAETANO 224,000 SANTANA 165,965 SEAT 151,184 SHUANGHUAN 270,000 SKODA 149,387 SOVAB 233,822 SSANGYONG 223,430 SUZUKI 166,012 TATA 168,310 TIGER 244,000 TOYOTA 150,634 TVR 397,500	RENAULT	146,893
RUF       327,000         SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	ROLLS ROYCE	394,526
SAAB       190,444         SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	ROVER	188,399
SALVADOR CAETANO       224,000         SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	RUF	327,000
SANTANA       165,965         SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SAAB	190,444
SEAT       151,184         SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SALVADOR CAETANO	224,000
SHUANGHUAN       270,000         SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SANTANA	165,965
SKODA       149,387         SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SEAT	151,184
SOVAB       233,822         SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SHUANGHUAN	270,000
SSANGYONG       223,430         SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SKODA	149,387
SUZUKI       166,012         TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SOVAB	233,822
TATA       168,310         TIGER       244,000         TOYOTA       150,634         TVR       397,500	SSANGYONG	223,430
TIGER         244,000           TOYOTA         150,634           TVR         397,500	SUZUKI	166,012
TOYOTA 150,634 TVR 397,500	TATA	168,310
TVR 397,500	TIGER	244,000
,	ТОУОТА	150,634
UAZ 314,000	TVR	397,500
<del></del>	UAZ	314,000

VM	185,000
VOLKSWAGEN	162,152
VOLVO	189,616
WIESMANN	310,000

 $\frac{ANNEX\ V}{Baseline\ emissions\ based\ on\ the\ 2007\ best\ available\ technology\ and\ 25\%\ reduction}$  target of specific emissions of  $CO_2$  for each vehicle class

vehicle class	mass <sup>4</sup> class	power to mass class	baseline emissions [g/km]	CO <sub>2</sub> target [g/km]
1	1	low	108	81
2	1	medium	118	89
3	1	high	153	115
4	2	low	119	89
5	2	medium	138	104
6	2	high	153	115
7	3	low	121	91
8	3	medium	136	102
9	3	high	150	113
10	4	low	131	98
11	4	medium	144	108
12	4	high	162	122
13	5	low	147	110
14	5	medium	152	114
15	5	high	179	134

The mass classes correspond to the following (rounded to the nearest integer):

_		
Mass class	Range [kg]	
1	0-1225 kg	
2	1226-1375 kg	
3	1376-1475kg	
4	1476-1625kg	

<sup>&</sup>lt;sup>4</sup> Mass in running order as defined in Regulation (EC) 443/2009, OJ L 140, 5.6.2009, p. 1

5	1626+kg
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The power to mass classes correspond to the following (rounded to the nearest integer):

Power to mass class	Range [W/kg]
Low	0-65 W/kg
Medium	66-85W/kg
High	86+