

Wednesday 26 October 2005

ANNEX

Part 1

Directive 70/156/EEC is amended as follows:

1. In Annex IV, Part I, a new item numbered [61], and footnote, is inserted as follows:

Subject	Directive No	Official Journal reference	Applicability										
			M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄	
[61]. Air conditioning system	[.../.../EC]	L ..., ..., p. ...	X			X ⁽⁸⁾							

⁽⁸⁾ Only for vehicles of category N₁, class I as described in the first table in point 5.3.1.4 of Annex I to Directive 70/220/EEC as inserted by Directive 98/69/EC.

2. Annex XI is amended as follows:

- (a) in Appendix 1 a new item numbered [61] is inserted as follows:

Item	Subject	Directive No	M ₁ ≤ 2 500 (!) kg	M ₁ > 2 500 (!) kg	M ₂	M ₃
[61]	Air conditioning system	[.../.../EC]	X	X		

- (b) in Appendix 2 a new item numbered [61] is inserted as follows:

Item	Subject	Directive No	M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
[61]	Air conditioning system	[.../.../EC]	X			W						

- (c) in Appendix 3 a new item numbered [61] is inserted as follows:

Item	Subject	Directive No	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
[61]	Air conditioning system	[.../.../EC]			W						

- (d) in 'Meaning of letters' the following letter is added:

'W Only for vehicles of category N₁, class I as described in the first table in point 5.3.1.4. of Annex I to Directive 70/220/EEC as inserted by Directive 98/69/EC'

Part 2

Method of calculating the total global warming potential (GWP) for a preparation

The total GWP for a preparation is a weighted average, derived from the sum of the weight fractions of the individual substances multiplied by their GWPs.

$$\Sigma (\text{Substance X \%} \times \text{GWP}) + (\text{Substance Y \%} \times \text{GWP}) + \dots (\text{Substance N \%} \times \text{GWP})$$

where % is the contribution by weight with a weight tolerance of +/- 1 %.

For example: applying the formula to a theoretical blend of gases consisting of 23 % HFC-32; 25 % HFC-125 and 52 % HFC-134a;

$$\Sigma (23 \% \times 550) + (25 \% \times 3400) + (52 \% \times 1300)$$

→ Total GWP = 1652,5.