

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 <sub>1</sub> | M <sub>2</sub> | M <sub>3</sub> | N <sub>1</sub> | N <sub>2</sub> | N <sub>3</sub> | O <sub>1</sub> | O <sub>2</sub> | O <sub>3</sub> | O <sub>4</sub> |
| '61. Air-conditioning system   | (2006/40/EC) | 2006 L 14.6.2006, p. 12    | X              |                |                | X <sup>a</sup> |                |                |                |                |                |                |
| a Only for vehicles of category N <sub>1</sub> , 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 <sub>1</sub> ≤ 500 (1) kg | M <sub>1</sub> > 500 (1) kg | M <sub>2</sub> | M <sub>3</sub> |
|------|-------------------------|--------------|-----------------------------|-----------------------------|----------------|----------------|
| '61  | Air-conditioning system | 2006/40/EC   | X                           | X'                          |                |                |

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

| Item | Subject                 | Directive No | M <sub>1</sub> | M <sub>2</sub> | M <sub>3</sub> | N <sub>1</sub> | N <sub>2</sub> | N <sub>3</sub> | O <sub>1</sub> | O <sub>2</sub> | O <sub>3</sub> | O <sub>4</sub> |
|------|-------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| '61  | Air-conditioning system | 2006/40/EC   | W              |                |                | W'             |                |                |                |                |                |                |

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

| Item | Subject                 | Directive No | M <sub>1</sub> | M <sub>3</sub> | N <sub>1</sub> | N <sub>2</sub> | N <sub>3</sub> | O <sub>1</sub> | O <sub>2</sub> | O <sub>3</sub> | O <sub>4</sub> |
|------|-------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| '61  | Air-conditioning system | 2006/40/EC   | W              |                | W'             |                |                |                |                |                |                |

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

W Only for vehicles of category N<sub>1</sub>, 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.

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**Status:** EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

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## 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;

$$\Sigma (23 \% \times 550) + (25 \% \times 3\,400) + (52 \% \times 1\,300)$$

→ Total GWP = 1 652,5.