

**Changes to legislation:** There are currently no known outstanding effects for the Regulation (EU) No 168/2013 of the European Parliament and of the Council, ANNEX V. (See end of Document for details)

## ANNEX V

[<sup>F1</sup>(A)]<sup>X1</sup>Environmental performance test procedures and requirements]

L-category vehicles may be type-approved only if they comply with the following [<sup>X1</sup>environmental performance requirements]:

| Test type | Description   | Requirements:<br>limit values  | Subclassification<br>criteria in<br>addition to<br>Article 2 and<br>Annex I | Requirements:<br>test<br>procedures                           |
|-----------|---|--|---|---|
| I         | Tailpipe emissions after cold start   | Annex VI (A)   | Point 4.3 of Annex II to Commission Delegated Regulation (EU) No 134/2014   | Annex II to Commission Delegated Regulation (EU) No 134/2014  |
| II        | — PI or Hybrid <sup>(5)</sup> equipped with PI: emissions at idling and increased idling speed<br>— CI or Hybrid with CI engine: free acceleration test | Directive 2009/40/EC <sup>(6)</sup>  | Point 4.3 of Annex II to Commission Delegated Regulation (EU) No 134/2014   | Annex III to Commission Delegated Regulation (EU) No 134/2014 |
| III       | Emissions of crankcase gases  | Zero emission, closed crankcase. Crankcase emissions shall not be discharged directly into the ambient atmosphere from any vehicle throughout its useful life. | Point 3.2 of Annex XI to Commission Delegated Regulation (EU) No 134/2014   | Annex IV to Commission Delegated Regulation (EU) No 134/2014  |

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|------|---|---|---|--|
| IV   | Evaporative emissions   | Annex VI (C)  | Point 3.2 of Annex XI to Commission Delegated Regulation (EU) No 134/2014   | Annex V to Commission Delegated Regulation (EU) No 134/2014    |
| V    | Durability of pollution control devices   | Annexes VI and VII  | SRC-LeCV: point 2 of Appendix 1 to Annex VI to Commission Delegated Regulation (EU) No 134/2014<br>USA EPA AMA: point 2.1 of Appendix 2 to Annex VI to Commission Delegated Regulation (EU) No 134/2014 | Annex VI to Commission Delegated Regulation (EU) No 134/2014   |
| VI   | A test-type VI has not been attributed  | Not applicable  | Not applicable  | Not applicable   |
| VII  | CO <sub>2</sub> emissions, fuel and/or electric energy consumption and electric range | Measurement and reporting, no limit value for type- approval purposes | Point 4.3 of Annex II to Commission Delegated Regulation (EU) No 134/2014   | Annex VII to Commission Delegated Regulation (EU) No 134/2014  |
| VIII | OBD environmental tests   | Annex VI (B)  | Point 4.3 of Annex II to Commission Delegated Regulation (EU) No 134/2014   | Annex VIII to Commission Delegated Regulation (EU) No 134/2014 |
| IX   | Sound level   | Annex VI (D)  | When UNECE regulations Nos 9, 41, 63 or 92 replace the EU proprietary requirements set out in the delegated act on environmental and propulsion performance requirements, the (sub-)                    | Annex IX to Commission Delegated Regulation (EU) No 134/2014.] |



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|                                       |     |     |     |     |                   |                   |                   |                   |                          |                  |     |                                   |                                       |
|---------------------------------------|-----|-----|-----|-----|-------------------|-------------------|-------------------|-------------------|--------------------------|------------------|-----|-----------------------------------|---------------------------------------|
| <b>Type IV test</b> <sup>(19)</sup>   | Yes | No  | No  | No  | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | No                       | No               | No  | No                                | No                                    |
| <b>Type V test</b> <sup>(19)</sup>    | Yes | Yes | Yes | Yes | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | Yes (NG/biomethane only) | Yes (B5)         | Yes | No                                | No                                    |
| <b>Type VII test</b> <sup>(19)</sup>  | Yes | Yes | Yes | Yes | Yes (both fuels)  | Yes (both fuels)  | Yes (both fuels)  | Yes (both fuels)  | Yes (both fuels)         | Yes (both fuels) | Yes | Yes (only energy consumption)     | Yes (only fuel consumption)           |
| <b>Type VIII test</b> <sup>(19)</sup> | Yes | Yes | Yes | Yes | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | Yes (petrol only) | Yes (NG/biomethane only) | Yes (B5)         | Yes | No                                | No                                    |
| <b>Type IX test</b> <sup>(19)</sup>   | Yes | Yes | Yes | Yes | Yes               | Yes               | Yes               | Yes               | Yes                      | Yes              | Yes | [ <sup>x1</sup> No<br>Yes for CA] | [ <sup>201</sup> No <sup>(20)</sup> ] |

#### Textual Amendments

- F2** Substituted by Regulation (EU) 2019/129 of the European Parliament and of the Council of 16 January 2019 amending Regulation (EU) No 168/2013 as regards the application of the Euro 5 step to the type-approval of two- or three-wheel vehicles and quadricycles.

NB: refer to the end of Annex VIII for an overview of the notes to the annexes.

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