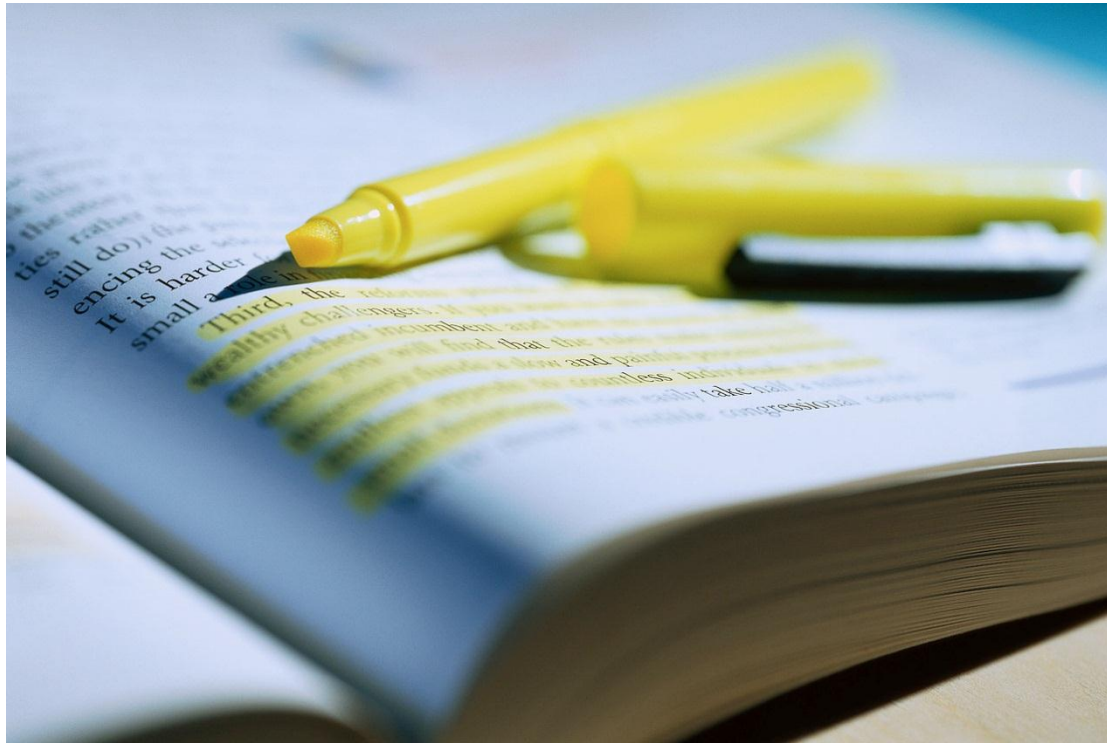


Status of the draft GTR



65th GRPE, 15-18 January 2013

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
- 03 B.2. Text of application_Scope
- 04 B.3. Definitions
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- 06 B.5. Abbreviations
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- 08 Annex 1 WLTP DHC Drive Cycle
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A.1 to 3: Statement of technical rational and justification
To be done by DG-ENTR



- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose ←
- 03 B.2. Text of application_Scope
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B.1. Text of regulation: purpose

Uploaded to CIRCABC

Open point: proposed text to be reviewed

- 01 A.1 to 3. Statement of technical rational and justification
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B.2. Text of regulation: scope

Uploaded to CIRCABC

Open point: proposed text to be reviewed

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
- 03 B.2. Text of application_Scope
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B.3. Definitions

Not yet reviewed.

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B.4. Symbols and B.5.
Abbreviations

Work has started on these
sections but have not been
reviewed.

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
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B.6. General and Performance Requirements

DC proposal uploaded to CIRCABC in January. This Section has not yet been reviewed.

- 01 A.1 to 3. Statement of technical rational and justification
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- 07 B.6. General and performance requirements
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Annex 1 WLTP DHC Drive Cycle

The Annex includes speed/time diagrams and tables for all cycles. It also includes a definition of the various vehicle classifications.

This Annex is essentially complete pending running modifications.

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
- 03 B.2. Text of application_Scope
- 04 B.3. Definitions
- 05 B.4. Symbols
- 06 B.5. Abbreviations
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Annex 2 Gear Selection and Shift Point Determination

- This Annex contains calculation methods to determine which gears are to used on the respective cycles.
- Furthermore, cycle tolerances and aspects of driving such as starting, stalling, re-starting, choke operation, steady state driving, accelerating, decelerating, clutching and declutching, etc. are currently being reworked by DTP and DHC and will be moved here from Annex 6.

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Annex 3 Reference Fuels
Input has been received from
subgroup Reference Fuels.

Tables describe fuels (petrol,
diesel, E85, LPG, CNG, etc.) in
Europe, India, South Africa,
Japan, South Korea.

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Annex 4 Road Load Determination

Major open drafting-relevant points:

- on-board anemometry (to be included or not)
- methods of road load calculation
- road condition (slope)
- vehicle selection
 - options
 - moveable aerodynamic aids
 - tyre tread depth
- vehicle warming up

- 01 A.1 to 3. Statement of technical rational and justification
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Annex 5 Test equipment and Calibrations

This Annex is fairly complete.

Major open drafting-relevant points:

- particle concentration factors
- analysis of formaldehyde and acetaldehyde
- sampling storage time for ethanol

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
- 03 B.2. Text of application_Scope
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Annex 6 Test Procedures, Test Conditions

Major open drafting-relevant points:

- all aspects on driving (starting, stalling, re-starting, choke operation, steady state driving, accelerating, etc.) will be moved to Annex 2
- test cell temperature
- subgroup PM/PN currently reviewing text on PM and PN sampling, filter weighing rolling average
- the entire section on regenerative systems to be reworked by PM/PN and LabProICE

- 01 A.1 to 3. Statement of technical rational and justification
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Annex 7 Calculations

This Annex is essentially complete.

Major open drafting-relevant points:

- Calculating CO₂ emissions at different vehicle masses using a regression method.

- 01 A.1 to 3. Statement of technical rational and justification
- 02 B.1. Text of regulation_ Purpose
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Annex 8 Electrified Vehicles

Major open drafting-relevant points:

- Equations to be reviewed and rewritten
- Subgroup to review proposed text from DC on test procedure and conditioning of BEVs and OVC-HEVs
- Determining utility factors

Many more web/telephone conferences or f2f meetings are still required

- 01 A.1 to 3. Statement of technical rational and justification
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Annex 9 Determination of System Equivalence

There has in the past been no general agreement as to whether there should be an annex on this subject. However, at DTP #9, it was decided that there must be a way to demonstrate equivalency of systems, such as for measurement equipment/methods or coastdown methods. Hence, an Annex on equivalency should be kept.

- DC will investigate how other GTRs and ECE regulations (e.g., 49) deal with equivalency.