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A.1 to 3: Statement of technical rational and justification

To be done by DG-ENTR

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B.1 Text of regulation, purpose, scope

Has been started DC.

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## B.2 Application

It has yet to be determined whether this section is required at all. E.g., the section is not part of GTR 4 (gas engines) or GTR 2 (motorcycles).

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## B.3 Definitions

1. EU, ECE, EPA, CARB, Korean, Chinese, Japanese, Indian definitions have been summarised in tabular form. Bill Coleman and DC will group them into subject areas. This will make an analysis of definitions by the subgroups (which ones to keep, which ones to modify) easier.

2. It was decided at the GRPE meeting in January that definitions will be listed in alphabetical order.

3. Annex 8 contains a list of definitions. Subgroup EV suggests that general definitions could be placed in Section B.3. but testing-specific EV definitions would remain in Annex 8.

4. Gaseous fuel definitions have been received but not yet incorporated into the draft text.

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#### B.4. Symbols

Work has been started on this Section.

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B.5. Abbreviations

Work has been started on this Section.



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## B.6. General Requirements

This Section has not yet been addressed in detail.

It includes subjects such as equivalency, test group determination, engine families, parent engine.

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### Annex 1 WLTP DHC Drive Cycle

Input has been received from DHC.  
The Annex will include drive traces (i.e., speed vs. time), mode construction, gearshift points, vehicle classifications, mode names.

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## Annex 2 Reference Fuels

Input has been received from subgroup Reference Fuels.

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## Annex 3 Determination of System Equivalence

There has in the past been no general agreement as to whether there should be an annex on this subject.

The subject is also covered in Section B.6.

### Comments at DTP#9:

- 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.

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#### Annex 4 Road Load Determination

The Section is currently being placed into a logical order, paragraphs are being re-numbered (a necessary task in most annexes) so that that the text is consistent at least in its appearance and structure.

Text/input has been received from Japan and will be incorporated into the draft text.

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### Annex 5 Test equipment and Calibration

Substantial input has been received and has been included into the draft.  
Web/telephone conferences on this Annex will be organised shortly.

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## Annex 6 Test Procedures, Test Conditions

1. This annex has been the subject of two web/telephone conferences. A large amount of coloured material has been converted to green.
2. In the draft annex, a number of sections are dependent on results of Validation 2 and hence have not been changed to green.
3. Open points include driving procedures (starting, stalling, re-starting, choke operation, steady state driving, accelerating, etc.). These will be clarified by LabProICE.

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Annex 7 Calculations

Currently being processed.



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### Annex 8 Electrified Vehicles

Japan is in agreement that there be a separate annex for Electrified Vehicles. Subgroup EV has submitted material.



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Annex 9

A place-holder. Is it necessary?

