

UN-ECE R83/101 – Alternative Road load determination. Comparison R83-Suppl. 11 and R101-Suppl. 09 implementation.

- Implementation of the identical alternative procedure to calculate NEDC road load on the basis of WLTP (= NEDC correlation) within UN-ECE R83 and 101.
- When comparing the implementation within UN-ECE R83 and 101, different wording is used within the introduction for basically the same requirement.

R83 – Supplement 11 [\(Link\)](#)

ANNEX 4A - APPENDIX 7B ALTERNATIVE PROCEDURE FOR DETERMINATION OF THE TOTAL ROAD LOAD POWER OF A VEHICLE

1. Introduction

The purpose of this appendix is to provide the road load power calculation method that may be used, at the choice of manufacturer, [when the vehicle road load has been determined according to WLTP procedures as defined in UN GTR No. 15.](#)

R101 – Supplement 09 [\(Link\)](#)

ANNEX 7 - APPENDIX 2 ALTERNATIVE PROCEDURE FOR DETERMINATION OF THE TOTAL ROAD LOAD POWER OF A VEHICLE

1. Introduction

The purpose of this appendix is to provide the road load power calculation method that may be used, at the choice of manufacturer, [when vehicle's emissions are approved using UN GTR No. 15 procedure.](#)

Proposal:

- Harmonization of both paragraphs, preferably to the version as included within **UN-ECE R83**. Vehicles in general are not approved according to UN-GTR No. 15, therefore the R83 version seems more clear.

Proposal to amend ECE/TRANS/WP.29/GRPE/2021/4

I. Proposal

Annex 7 – Appendix 2 paragraph 1., amend to read:

1. Introduction

The purpose of this appendix is to provide the road load power calculation method that may be used, at the choice of manufacturer, ~~when vehicle's emissions are approved using UN GTR No. 15 procedure.~~ *when the vehicle road load has been determined according to WLTP procedures as defined in UN GTR No. 15.*

II. Justification

1. Harmonization of UN R83 (Annex 4a, Appendix 7b, paragraph 1.) and UN R101 (Annex 7, Appendix 2, paragraph 1.)
2. Vehicles in general are not approved according to UN GTR No. 15, therefore the text phrase of UN R83 is recommended.