

Proposal for a new supplement to the 02 to 03 series of amendments to UN Regulation No. 154

Submitted by the experts from France.

The text reproduced below was prepared by the expert from France. This document proposes some inconsistency corrections in both 02 and 03 series of amendments to UNR154. The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Annex A1 – Appendix 3, amend to read:

“[...]

The time between the end of the Type 1 test and the cool down procedure The measured soaking time, and shall be recorded in all relevant test sheets.	: ≤ 20 minutes time between the measurement of the end temperature and the end of the Type 1 test at 23°C
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[...]”

Annex B4, paragraph 6.5.2.3.3., amend to read:

"6.5.2.3.3. The force $f_{jD_{\text{DyNO}}}$ at each reference speed v_j shall be calculated by removing the dynamometer set force:

$$f_{jD_{\text{DyNO}}} = f_{jD_{\text{Decel}}} - f_{dj}$$

where:

$f_{jD_{\text{Decel}}}$ is the force determined according to the equation calculating F_j in paragraph 4.3.1.4.4. of this annex at reference speed point j , N;

f_{dj} is the force determined to the equation calculating F_d in paragraph 6.5.2.1. of this annex at reference speed point j , N.

Alternatively, at the request of the manufacturer, **bd** and **cd** may be set to zero during the coastdown and for calculating $f_{jD_{\text{DyNO}}}$.”

II. Justification

1. Annex A1 – Appendix 3 is the test sheet of all the data recorded (in addition to test reports). The time between the measurement of the end temperature and the end of the Type 1 test at 23°C for the ATCT family criterion check is described in Annex B6a : “3.9.2. *The cool down procedure shall be undertaken as soon as possible after the end of the Type 1 test, with a maximum delay of 20 minutes. The measured soaking time is the time between the measurement of the end temperature and the end of the Type 1 test at 23 °C, and shall be included in all relevant test sheets.*”

2. Initial calculation of the force $f_{jD_{\text{DyNO}}}$ paragraph 6.5.2.3.3. in GTR15 amendment 5 was: $f_{jD_{\text{DyNO}}} = f_{jD_{\text{Decel}}} + c_d \times v_j^2$, the alternative to put c_d to zero came from that equation.

Now the reference is the second part of the equation refers to paragraph 6.5.2.3.3. refers to paragraph 6.5.2.1., then make it null should include both bd and cd (especially in case of paragraph 6.7.2.1. applies).