

Proposal for Supplement 8 to the original version of Regulation No. 85 (Measurement of the net power)

The purpose of this proposal is to correct a long standing error in a formula.

I. Proposal

Annex 5, paragraph 5.4.2., amend to read:

"5.4.2. Diesel engines - Factor α_d

The power correction factor (α_d) for diesel engines at constant fuel rate is obtained by applying the formula:

Where $\alpha_d = (f_a)^{f_m}$

f_a is the atmospheric factor

f_m is the characteristic parameter for each type of engine and adjustment"

II. Justification

At some time in the evolution of the text, the parameter f_m changed from being a superscript to being normal text. i.e. the formula changed from reading " f_a to the power of f_m " to reading " f_a multiplied by f_m ". This is incorrect and should be corrected.
