Proposal for amendments to UN Global Technical Regulation No. 4 (World-wide harmonized Heavy Duty Certification procedure (WHDC)) amending ECE/TRANS/WP.29/GRPE/2021/7

1. Proposal

Paragraph 8.1.1., Equation (15) and (16)*, amend to read:*

“8.1.1. Raw exhaust gas

…

$$k\_{w,a}=\left(1-\frac{1.2442×H\_{a}+111.19×w\_{ALF}×\frac{q\_{mf,i}}{q\_{mad,i}}}{773.4+1.2442×H\_{a}+\frac{q\_{mf,i}×k\_{f}×1,000}{q\_{mad,i}×k\_{f,w}×1,000}}\right)×1.008 (15)$$

$$k\_{w,ar}=\left(1-\frac{1.2442×H\_{a}+111.19×w\_{ALF}×\frac{q\_{mf,i}}{q\_{mad,i}}}{773.4+1.2442×H\_{a}+\frac{q\_{mf,i}}{q\_{mad,i}}×k\_{f}k\_{f,w}×1,000}\right)×1.008 (15)$$

…

$$k\_{w,a}=^{\left(1-\frac{1.2442×H\_{a}+111.19×w\_{ALF}×\frac{q\_{mf,i}}{q\_{mad,i}}}{773.4+1.2442×H\_{a}+\frac{q\_{mf,i}×k\_{f}×1,000}{q\_{mad,i}×k\_{f,w}×1,000}}\right)}/\_{\left(1-\frac{p\_{r}}{p\_{b}}\right)} (16)$$

$$k\_{w,ar}=^{\left(1-\frac{1.2442×H\_{a}+111.19×w\_{ALF}×\frac{q\_{mf,i}}{q\_{mad,i}}}{773.4+1.2442×H\_{a}+\frac{q\_{mf,i}}{q\_{mad,i}}×k\_{f}k\_{f,w}×1,000}\right)}/\_{\left(1-\frac{p\_{r}}{p\_{b}}\right)} (16)$$

$$"$$

Paragraph 8.1.1., Equation (17), *amend to read:*

"$k\_{w,ar=…}$"

1. Justification

These are editorial corrections for the formula in the Working Document ECE/TRANS/WP.29/GRPE/2021/7.