SLOVENSKÁ TECHNICKÁ NORMA

| **STN** | **Železnice**
Aerodynamika
Časť 5: Požiadavky a postupy posudzovania na
aerodynamiku v tuneloch
Oprava AC | **STN**
EN 14067-5/AC

28 0340 |

Railway applications - Aerodynamics - Part 5: Requirements and assessment procedures for aerodynamics in tunnels

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/23

Obsahuje: EN 14067-5:2021/AC:2023

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14067-5:2021/AC

January 2023

English Version

Railway applications - Aerodynamics - Part 5: Requirements and assessment procedures for aerodynamics in tunnels

Applications ferroviaires - Aérodynamique - Partie 5 : Exigences et procédures d'essai pour l'aérodynamique en tunnel

Bahnanwendungen - Aerodynamik - Teil 5: Anforderungen und Prüfverfahren für Aerodynamik im Tunnel

This corrigendum becomes effective on 11 January 2023 for incorporation in the official English version of the EN.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 14067-5:2021/AC:2023 (E)

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1   Modification to 7.7.5, Formula (40)

Replace existing Formula (40) with:

$$p_{eq} = \left(\frac{\sum_l h_l \cdot p_l^k}{N_c} \right)^{\frac{1}{k}} \tag{40}$$

2   Modification to A.3.3, Formula (A.9)

Replace existing Formula (A.9) with:

$$X_h + \frac{(Ma - X_h)^2 (1 + X_h)}{2} \left[1 - \frac{1 + X_h}{(1-B)^2} \right] - \frac{\zeta_h (Ma - X_h)^2 (1 + X_h)^2}{2(1-B)^2} = 0 \tag{A.9}$$

3   Modifications to A.3.4, Formulae (A.13) and (A.14)

Replace existing Formula (A.13) with:

$$X_{fr} + \frac{(Ma - X_{fr})^2 (1 + X_{fr})}{2} \left[1 - \frac{1 + X_{fr}}{(1-B)^2} \right] - (\zeta_h + \zeta_{fr}) \frac{(Ma - X_{fr})^2 (1 + X_{fr})^2}{2(1-B)^2} = 0 \tag{A.13}$$

Replace existing Formula (A.14) with:

$$\Delta p_{fr} = \left(\left[1 + \frac{\kappa - 1}{2} X_{fr} \right]^{\frac{2\kappa}{\kappa-1}} - 1 \right) p_0 - \Delta p_N \tag{A.14}$$

4   Modification to A.3.6.1, Formula (A.26)

Replace existing Formula (A.26) with:

$$T_f = \frac{C_{x,tu}}{C_x} \tag{A.26}$$