

CITA SubWG1 on Brake Testing
webmeeting, 6th April 2020



Recommendation no. 8 (current status, open topics)

Peter Ondrejka

Recommendation no. 8 – current status

- The official version approved by BP (published in October 2018)
<https://citainsp.org/customer-area/file/my-files/2018/10/15/new-cita-recommendation-n-8-on-brakes>
- The last version of the recommendation we are working on is under:
https://citainsp.org/wp-content/uploads/2020/04/WG1_Subwg_Brakes_04_2019_004_Recommendation_brakes_WITH-COMMENTS.docx
- Output from the last SubWG Brakes meeting is included in the new draft: [WG1_Subwg_Brakes_04_2020_005_Recommendation_brakes.docx](#)



The points which are corrected and/or included in the new draft:

- all of the comments and changes listed in the last version
- modified text in 5.3. Retarders - the retarder MIL and damaged retarder controller are applicable defects for failing the vehicle

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- 6.2.2. Measurement in Road Test:
 - 40km/h changed to 20km/h,
 - loading conditions as the vehicle was presented for the test.
- Examples of non mandatory tests within the European Roadworthiness Package (last sentence of “1. Introduction“):
 - 4.4.2. Boiling point of the Brake Fluid may be checked
 - 6.2.1.2.5. Brake efficiency calculation by RD-method
 - 6.3.4. Limits for the Uniformity Fluctuation of Brake Forces
 - 6.3.1.3. Overrun Brake efficiency test

But the definition of the Overrun brake minimum efficiency is missing also in the Directive 2014/45/EU - what is the limit for insufficient efficiency in „1.1.23.?

Recommendation no. 8 – open topics



- Following points are still not concluded:
 - a) - 6.3.5. Parking Brake Efficiency test – RDW will prepare a text ?
 - b) - 7.1. RBT – 2.5. the friction coefficient 0,7 (definition) – Graham Kilbey (BM Autoteknik A/S) and RDW will provide proposals ?
- Following topics are under preparation:
 - c) - 7.1. RBT - 2.10. Calibration of RBT´s – Tomislav (CVH Croatia) presented a draft of the Calibration manual (Croatia + Spain + waiting for newcomming good ideas from others to be introduced).

Maybe after the manual will be finished and approved by WG3/WG1, we can make the reference on it in the recommendation ?

Recommendation no. 8 – new topics

topics focused on trailer brakes:

e) - Evaluation of brake efficiency by road test with vehicle combination
(Truck + trailer/semitrailer or Tractor + trailer)

f) - Overrun/Inertia brakes ?

g) - Electric brakes ?



• Next ideas for improvement of the Recommendation no. 8 ...



Thank you for your attention