

GRVA-15-17

Proposal for a supplement to the 12 series of amendments to UN Regulation No. 13 (Heavy vehicle braking)

Scope of amendment and affected sections and paragraphs

Workshop in Brussels – March 29th/30th

Electromechanical Brakes (EMB)

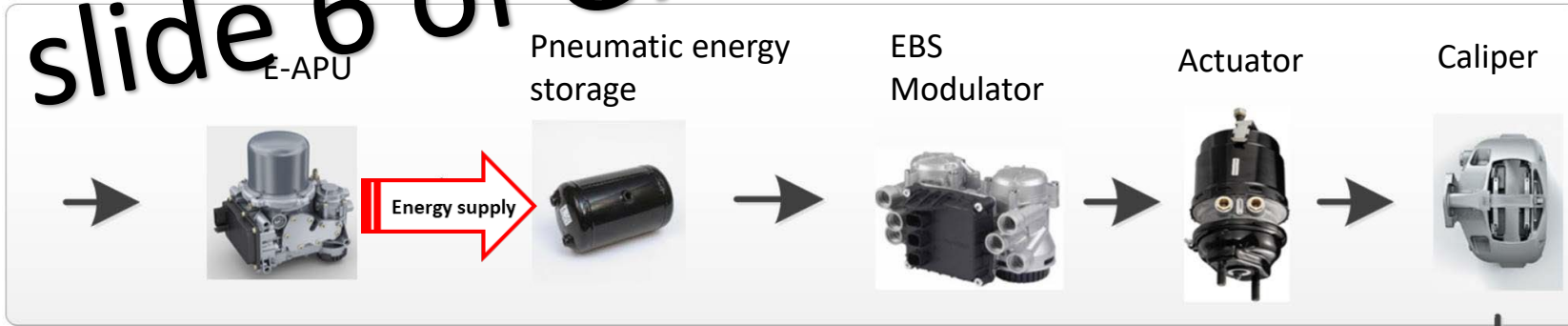
- Main body includes
 - Definitions: 2 modified and 8 new definitions
 - Specifications:
 - 5.1.4. Provisions for the periodic technical inspection (PTI) of braking systems (data and reference braking forces)
 - 5.2.1 Characteristics of braking systems for Vehicles of categories M2, M3 and N
 - Seamless integration of EMB-requirements with same safety level e.g. two braking circuits, failure response, warning (
 - Current 5.2.1.27 “Special additional requirements for service braking systems with electric control transmission” has been amended by “except electro-mechanical braking system”
 - New 5.2.1.35. “Special additional requirements for service braking systems with electro-mechanical braking system with electric transmission” (3,5 pages)

UN R13 and Electro-Mechanical Brakes (EMB)

Energy Transmission principles (Pneumatic vs Electric)

Copy of slide 6 of GRVA-EMB-02

EBS



Annex 7 part A

5.2.1.27

Energy supply

Energy reserve

Actuation

EMB

Annex 7 new part D

New 5.2.1.35.

Electric Energy

