

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Committee of Experts and the

Working Party on the Transport of Dangerous Goods

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Reports of informal working groups

21 February 2020

BLEVE Working Group: Summary of the mandatory application dates for goods vehicle safety provisions

Transmitted by the Government of the United Kingdom on behalf of the BLEVE Working Group

Summary

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| Executive summary: | This paper provides delegates with information on the application dates for certain goods vehicle safety systems that have recently become, or are scheduled to become, a mandatory fitment for EC Whole Vehicle Type Approvals. |
| Action to be taken: | None. This paper provides additional information to support document ECE/TRANS/WP.15/AC.1/2020/42. |
| Related documents: | Document ECE/TRANS/WP.15/AC.1/2020/42 (paragraph 25). |

Introduction

1. This paper provides additional information to supplement the report of the BLEVE Working Group (document ECE/TRANS/WP.15/AC.1/2020/42) and has been submitted to assist delegates in considering the proposals that might be developed for inclusion in RID/ADR.
2. The two tables below provide information on the accident avoidance and improved active safety measures that have recently become or are anticipated to become a mandatory requirement for trucks and trailers to obtain EC Whole Vehicle Type Approval and thereby registration.
3. The tables provide the dates by which the safety provisions must be fitted to new types of vehicle (the date from which it is mandatory for new EC Whole Vehicle Type Approvals, if a new approval is to be granted) and new registrations (the date by which all new trucks and trailers must have such devices fitted in order to enter into service in EC Member States).

Table A:

Summary of recently introduced truck and trailer safety provisions and their mandatory application dates:

Measure	Description	Application date for new types of vehicle	Application date for new registrations
ESC	Electronic Stability Control systems improve vehicle stability by detecting and reducing wheel slip. When a loss of steering control is detected, ESC automatically applies individual brakes to help regain control of the vehicle.	2012	2014
LDWS	Lane Departure Warning Systems warn the driver of an unintentional drift of the vehicle out of the lane in which it is travelling.	2013	2015
AEBS	Advanced Emergency Braking Systems detect a potential forward collision, provide the driver with a warning and if there is no response, applies the brakes to avoid or mitigate any collision.	2013	2015

Table B:

Summary of new technologies that are anticipated for trucks and trailers and their mandatory application dates:

Measure	Description	Application date for new types of vehicle	Application date for new registrations
DDR-DAD	Driver Drowsiness and Attention Detection systems assess the driver's alertness through analysis of vehicle systems and warns the driver if necessary.	2022	2024
DDR-ADR	Advanced Distraction Recognition systems assist the driver in maintaining attention of the traffic situation and warns the driver when the system detects that the driver is distracted.	2024	2026
ESS	Emergency Stop Signal is a light-signalling function which indicates that the vehicle is braking heavily.	2022	2024
ISA-VOL	Intelligent Speed Assistance aids the driver in maintaining compliance with the designated speed limit for a road by providing feedback to the driver.	2022	2024
TPMS	Tyre Pressure Monitoring Systems report tyre pressure information to the driver.	2022	2024