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**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 21 February 2020**

Bern, 16–20 March 2020

Item 6 of the provisional agenda

**Reports of informal working groups**

 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

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| *Summary* |
| **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). |
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 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:

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| --- | --- | --- | --- |
| **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:

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| --- | --- | --- | --- |
| **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 |