

Amendment to ECE/TRANS/WP29/GRRF/2011/23, 24, 25 and 26**A. Proposal**

Annex 3 of ECE/TRANS/WP29/GRRF/2011/24 and 25, amend to read

Warning and activation test requirements – pass/fail values

| Class | A | B | C | D | E | F | G | H |
|-------------------|---|--|--|---|---|--|---|--------------------------------------|
| | | Stationary target | | | Moving target | | | |
| | | Timing of warning modes | | Speed reduction (ref. paragraph 6.4.4.) | Timing of warning modes | | Speed reduction (ref. paragraph 6.5.3.) | Target speed (ref. paragraph 6.5.1.) |
| | | At least 1 haptic or acoustic (ref. paragraph 6.4.2.1.) | At least 2 (ref. paragraph 6.4.2.2.) | | At least 1 haptic or acoustic (ref. paragraph 6.5.2.1.) | At least 2 (ref. paragraph 6.5.2.2.) | | |
| 1 ^[1/] | M ₃ and N ₃ and N ₂ > [8 / 7.5]t | Not later than 1.4 s. before start of emergency braking phase | Not later than 0.8 s. before start of emergency braking phase | Not less than 10 km/h | Not later than 1.4 s. before start of emergency braking phase | Not later than 0.8 s. before start of emergency braking phase | No impact | |
| 2 ^[2/] | M ₂ and N ₂ ≤ [8 / 7.5]t | [No restriction regarding timing and warning modes] or [Blank] | [No restriction regarding timing and warning modes] or [Blank] | [0 km/h] or [Blank] | [No time restriction] or [Blank] | [Not later than 1.4 s. before start of emergency braking phase] or [Blank] | [0 km/h] or [Blank] | [32 ± 2 km/h] or [Blank] |

[1/ Class 1 requirement is also applied with regards to vehicles, which belong to N2 of equal or less than [8 / 7.5]t, with pneumatic braking system.]

2/ Class 2 requirement is also applied with regards to vehicles, which belong to M3, N3 and N2 of more than [8 / 7.5]t, with [pneumatic-hydraulic braking system (AoH) and] hydraulic braking system.

Annex 3 of ECE/TRANS/WP29/GRRF/2011/23 and 26, amend to read

| Class | A | B | | C | D | E | | F | G | H |
|-------------------|---|--|--|-----------------------------------|---|--|-----------------------------------|-------|---|---|
| | | Stationary target | | | | Moving target | | | | |
| | | Timing of warning modes | | Speed | | Timing of warning modes | | Speed | | Target speed (ref. paragraph 6.5.1.) |
| | | At least 1 haptic or acoustic (ref. paragraph 6.4.2.1.) | At least 2 (ref. paragraph 6.4.2.2.) | reduction (ref. paragraph 6.4.4.) | At least 1 haptic or acoustic (ref. paragraph 6.5.2.1.) | At least 2 (ref. paragraph 6.5.2.2.) | reduction (ref. paragraph 6.5.3.) | | | |
| 1 ^[1/] | M ₃ , N ₃ and N ₂ > [8 / 7.5]t | Not later than 1.4 s. before start of emergency braking phase | Not later than 0.8 s. before start of emergency braking phase | Not less than 20 km/h | Not later than 1.4 s. before start of emergency braking phase | Not later than 0.8 s. before start of emergency braking phase | No impact | | | 12 ± 2 km/h |
| 2 ^[2/] | M ₂ and N ₂ ≤ [8 / 7.5]t | [No restriction regarding timing and warning modes] or [Blank] | [No restriction regarding timing and warning modes] or [Blank] | [0 km/h] or [Blank] | [No time restriction] or [Blank] | [Not later than 1.4 s. before start of emergency braking phase] or [Blank] | [0 km/h] or [Blank] | | | [12 ± 2 km/h] or [Blank] |

1/ Class 1 requirement is also applied with regards to vehicles, which belong to N₂ of equal or less than [8 / 7.5]t, with pneumatic braking system.]

2/ Class 2 requirement is also applied with regards to vehicles, which belong to M₃, N₃ and N₂ of more than [8 / 7.5]t, with hydraulic braking system.