ANNEX

Rules for the use of rear aerodynamic devices

1. **Attachment to vehicles**

It must not be possible for aerodynamic devices attached to the rear of vehicles to become accidentally detached from the vehicles and pose a risk of accident to other road users.

The devices must be foldable or retractable. When the devices are folded or retracted, they must be locked so that they remain in that position and do not open or are not torn away, for example when exposed to winds of up to 160 km/h, regardless of the direction of the wind (corresponding to two railway carriages in combined transport passing each other),

Once the devices are deployed, they must remain in an open position and be attached to the vehicle in a sufficiently solid manner so that the equipment is not torn away, for example:

(a) when exposed to winds of up to 90 km/h, regardless of the direction of the wind,

(b) or when exposed to a pressure difference of 330 N/m² perpendicular to the surface of the devices.

Once the devices are deployed, they must be sufficiently rigid to prevent oscillation or swinging caused by exposure to crosswinds of up to 90 km/h or by the movement of the vehicle until it reaches its maximum speed.

2. **Deployment**

If the aerodynamic devices are designed so that the driver can manoeuvre them from the cabin, their deployment must not be possible except through deliberate action by the driver.

In the case of devices over 500 mm long, the vehicle's speed alone must not be sufficient to activate the automatic deployment and folding mechanism of the devices.

In addition, the driver must be able to fold and unfold any powered devices manually when the vehicle is stationary.

The driver must be able to manually handle the rear aerodynamic devices safely in all circumstances.

Regardless of whether the vehicle is stationary or moving, the deployment of the rear aerodynamic devices must not be possible through exposure to the wind or any other factor or event but only through deliberate human action.

3. **Conditions of use related to combined transport (rail or waterways)**
Vehicles equipped with rear aerodynamic devices must not be wider than 2 650 mm when the devices are deployed, or more than 2 600 mm when they are folded or retracted. The maximum height authorised in international traffic for vehicles equipped with such devices is set in point 1.3 of Annex I to Directive 96/53/EC.

In accordance with Directive 96/53/EC, the excess length due to the folded or retracted rear devices must be no more than 200 mm, in addition to the length of the vehicle, if the vehicle is likely to be used in combined transport by rail.

The installed devices must not extend below the loading floor of the vehicle.

4. Conditions related to road infrastructure

Vehicles equipped with rear aerodynamic devices must fulfil the conditions of manoeuvrability referred to in point 1.5 of Annex I to Directive 96/53/EC.

Furthermore, when the vehicle is stationary or parked and regardless of whether its engine is switched off, any devices longer than 500 mm must be folded or retracted so that they do not extend beyond the edges of the parking spaces.

The use of deployed devices is prohibited in geographical areas where the speed limit is 50 km/h or less.

When the devices are deployed, vehicles equipped with such devices must be able to circulate on all roads that are accessible to lorries and where the highest authorised speed is above 50 km/h. The driver may deploy the devices only where and when this is possible without risk to himself or other road users.

The aerodynamic devices, regardless of whether they are folded or unfolded, must not weaken the performance of the rear underrun protective devices or cover the lighting and light-signalling devices or the number plate and other statutory plates.

The aerodynamic devices must not pose a risk of injury to other road users or have any parts that are directed outwards and might clip pedestrians, cyclists or motorcyclists.

5. Approval of the devices and inspection of the vehicles

Equipment over 500 mm long intended to be attached to vehicles must be type-approved pursuant to the provisions of Directive 2007/46/EC.

The rear aerodynamic devices and their attachment mechanism must be checked as part of the regular inspection of the vehicles laid down in Directive 2014/45/EU and the inspections laid down in Directive 2014/47/EU.

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