

Revised proposal Transition Test 2 (TR2) – ACSF 02-03

3.2.2. Transition Test 2 (TR2)

3.2.2.1 Test Conditions

Drive the vehicle with activated ACSF at least 1 min without a lead vehicle. The vehicle shall drive on a track with road markings at each side of the lane at a speed of 10 km/h below v_{smax} . After a straight section of at least 200 m the vehicle shall approach a curve of a radius that would induce a lateral vehicle acceleration of more than the maximum induced lateral acceleration [3 m/s² or below, if a lower limit for the maximum system induced lateral acceleration is specified by the manufacturer] when driving at this given speed. The test driver of the vehicle shall take over manual steering control again only in case of failure of the manoeuvre.

3.2.2.2 The requirements of the test are fulfilled if

3.2.2.2.1

The transition demand was given at least when the lateral acceleration exceeds by 10% the maximum system induced lateral acceleration limit - [3] m/s² or lower, as specified by the manufacturer - and the minimal risk manoeuvre specified by the manufacturer was initiated. The vehicle shall not cross any lane marking before the minimum risk manoeuvre was initiated.

or

3.2.2.2.2

The system detects if the vehicle exceeds the maximum system induced lateral acceleration limit - [3] m/s² or lower, as specified by the manufacturer - and reduces automatically the speed until the induced lateral acceleration falls below this limit. A short overshoot of 10% beyond this limit for maximum [0,5 s] is permitted. The vehicle shall not cross any lane marking during this manoeuvre.