

Consolidated Document to Corrective Steering Function (CSF)

"2.3.4.2. " *Corrective Steering Function (CSF)*" means the control function within an electronic control system whereby, for a limited duration, changes to the steering angle of one or more wheels may result from the automatic evaluation of signals initiated on-board the vehicle, in order

- to compensate a sudden, unexpected change in the side force of the vehicle or
- to improve the vehicle stability (e.g. side wind, μ -split) or
- to correct lane departure. (e.g. to avoid crossing lane markings, leaving the road,)

Insert a new paragraph 5.1.6.2

5.1.6.2 A CSF system shall fulfill Annex 6

5.1.6.2.1 Every CSF intervention shall immediately be indicated to the driver by an optical signal which is displayed for at least 1s or as long as the compensation exists, whichever is longer.

5.1.6.2.2 In the case of a CSF intervention which is based on the evaluation of the presence and location of lane markings or boundaries of the lane the following shall apply additionally:

5.1.6.2.2.1 In the case of an intervention longer than

- 10s for vehicles of category M1 and N1 or
- 30s for vehicles of category M2, M3 and N2, N3

an acoustic warning shall be provided until the end of the intervention.

5.1.6.2.2.2 In the case of two or more consecutive interventions within a rolling interval of 180 seconds and in the absence of a steering input by the driver during the intervention, an acoustic warning shall be provided by the system during the second and any further intervention within a rolling interval of 180 seconds. Starting with the 3rd intervention (and subsequent interventions) the acoustical signal shall continue for at least 10 seconds longer than the previous warning signal.

Find the right place for:

- The tests for CSF in Annex 8 shall be fulfilled. Homework UK

Test for CSF (final numbering tbd.):

X. CSF Warning Test 1 (CSFW1, Test for acoustical warning for CSF)

X.1. Drive the vehicle with an activated CSF System on a road with lane markings on each side of the lane. The Technical Service shall verify that the requirements for warning signals defined in 5.1.6.2 are met.

X.2 With the agreement of the Technical Service a simulation may be used. Then a detailed description of the simulation shall be included in the test report.