ISO 19377:2017-11 (E)

Heavy commercial vehicles and buses - Emergency braking on a defined path - Test method for trajectory measurement

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2

5 Variables 2

6 Measuring equipment 3

7 Test conditions 3
7.1 General 3
7.2 Test track and ambient conditions 4
7.3 Test vehicle 4
7.3.1 General vehicle condition 4
7.3.2 Loading condition 4
7.3.3 Number of test runs 4

8 Test methods 4
8.1 Test method for braking straight ahead 4
8.1.1 Initial driving condition 4
8.1.2 Definition of the desired path and track 4
8.1.3 System intervention 5
8.2 Test method for braking in a constant radius curve 5
8.2.1 Initial driving condition 5
8.2.2 Definition of the desired path and track 5
8.2.3 System intervention 6

9 Data evaluation and presentation of results 6
9.1 General 6
9.2 Characteristic values 7
9.2.1 Maximum path deviation, DP,max 7
9.2.2 Maximum rear axle path deviation, DPR,max 7
9.2.3 Maximum trailer path deviation, DPT,max 8
9.2.4 Deceleration at full braking 8
9.2.5 Maximum articulation angle(s) (optional) 8
9.2.6 Corrective steering action, H,C (for closed-loop test) 8
9.2.7 Indication of leaving the desired track (optional) 8

Annex A (normative) Test report -- General data and test conditions 9

Annex B (informative) Example of test reports 10

Bibliography 12