

ISO 12021:2010-12 (E)

Road vehicles - Sensitivity to lateral wind - Open-loop test method using wind generator input

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Reference system	2
6	Variables	2
7	Measuring equipment	2
7.1	Description	2
7.2	Transducer installation	3
7.3	Data processing	3
8	Test conditions	3
8.1	General	3
8.2	Test track	4
8.3	Weather conditions	4
8.4	Test vehicle	4
8.5	Vehicle loading conditions	4
9	Wind generators	5
10	Test procedure	5
10.1	Warm-up	5
10.2	Test speed	5
10.3	Steering	5
10.4	Number of test runs	5
10.5	Measuring points of lateral position using the dye-trail method	5
10.6	Data excluded from the computation method	6
11	Data analysis	6
11.1	General	6
11.2	Yaw velocity and lateral acceleration	7
11.3	Lateral deviation	8
12	Data presentation	8
Annex A (informative) Test report -- General data		9
Annex B (normative) Test report -- Presentation of results		12
Bibliography		14