

ISO 22343-1:2023-09 (E)

Security and resilience - Vehicle security barriers - Part 1: Performance requirement, vehicle impact test method and performance rating

Contents		Page
Foreword.....		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	VSB performance requirement	13
5	VSB documentation	14
5.1	General.....	14
5.2	Conformity between VSB and documentation.....	15
6	Test method	15
6.1	Apparatus.....	15
6.2	Test site.....	22
6.3	Target impact point, initial contact point and impact angle.....	22
6.3.1	Target impact point.....	22
6.3.2	Initial contact point.....	23
6.3.3	Impact angle.....	23
6.4	VSB preparation.....	23
6.4.1	General.....	23
6.4.2	Installation.....	23
6.4.3	Foundation.....	24
6.4.4	Soil.....	25
6.4.5	Markers.....	25
6.5	Test vehicle preparation.....	25
6.5.1	General.....	25
6.5.2	Test vehicle dimensions.....	25
6.5.3	Vehicle condition.....	25
6.5.4	Ballast.....	26
6.5.5	Reference points.....	26
6.5.6	Occupant injury.....	26
6.6	Impact speed.....	26
6.7	Test procedure.....	27
6.7.1	Pre-impact data.....	27
6.7.2	Impact.....	30
6.7.3	Impact data.....	30
6.7.4	Post-impact data.....	30
6.7.5	Disposal of the test vehicle.....	32
6.8	Test report.....	32
6.8.1	General.....	32
6.8.2	Summary of results.....	34
7	Performance rating	35
7.1	General.....	35
7.2	Classification code.....	35
8	Product information	36
Annex A (normative) Test vehicle specification measurements		37
Annex B (informative) Example of product and foundation drawings to be submitted to the test house		46

Annex C (informative) Determination of post-impact access 50
Annex D (informative) Post-impact measurements of foundation and VSB 52
Bibliography..... 55