

ISO 4273:2024-01 (E)

Intelligent transport systems - Automated braking during low-speed manoeuvring (ABLS) - Requirements and test procedures

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Basic system functionality		3
4.1 Operating conditions.....		3
4.2 Classification of ABLs.....		4
4.2.1 ABLs types.....		4
4.2.2 Performance classification.....		4
4.2.3 ABLs classification overview.....		5
4.3 Principle of operation.....		5
4.3.1 General.....		5
4.3.2 Object detection.....		6
4.3.3 Situation evaluation.....		6
4.3.4 Braking activation.....		6
4.4 Information to the driver.....		6
5 Function and performance requirements for ABLs		6
5.1 General.....		6
5.2 Situations addressed.....		6
5.3 Perception requirements.....		7
5.4 Vehicle motion control requirements.....		7
5.5 Function flow.....		7
6 Performance test requirements		8
6.1 General.....		8
6.2 Environmental conditions.....		8
6.3 Boundary of parking space.....		9
6.4 Test object.....		9
6.5 General test criteria.....		9
6.6 Test procedure and criteria.....		9
6.6.1 Overview.....		9
6.6.2 Performance test for type A.....		9
6.6.3 Performance test for type B.....		15
6.6.4 Performance test for type C.....		16
Annex A (informative) Recommended preparation procedure for curve driving		22
Bibliography		23