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Standard

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

*Systèmes de transport intelligents — Freinage automatique lors
de manœuvres à basse vitesse (ABLS) — Exigences et procédures
d'essai*



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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Introduction

Existing International Standards for automated emergency braking, such as ISO 22839 or ISO 19237, are focused on collision mitigation or avoidance at moderate vehicle speeds in the forward direction, typically using front sensors such as radar. The implementation and utilization of additional perception sensors (i.e. around the entire vehicle) creates the possibility of advanced collision mitigation and avoidance systems covering the whole area surrounding the vehicle.

Low-speed collisions during parking and especially during reversing manoeuvres represent a high share of road traffic accidents, including both accidents with material damage leading to high monetary expenses,^[6] and accidents leading to injuries or even fatalities of human road users. This document addresses such collisions.

