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Intelligent transport systems — Manoeuvring aids for low-speed operation (MALSO) — Performance requirements and test procedures

*Systèmes de transport intelligents — Aides à la conduite pour
manœuvre à vitesse réduite (MALSO) — Exigences de performance et
procédures d'essai*



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Foreword

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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.

This third edition cancels and replaces the second edition (ISO 17386:2010), which has been technically revised.

The main changes are as follows:

- requirements updated according to state-of-the-art systems regarding detection characteristic;
- test method for detection latency added.

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Introduction

Today's aerodynamically-shaped vehicles often result in restricted rear and front visibility. Manoeuvring Aids for Low Speed Operation (MALSO) enhance security and driver convenience during parking or manoeuvring situations at very low speed, e.g. squeezing into small parking spaces or through narrow passages. Drivers can avoid collisions with obstacles that cannot be seen but can be detected by the system and they can make more effective use of limited parking space.

MALSO systems are detection devices with non-contact sensors which assist the driver during low-speed manoeuvring. MALSO systems indicate to the driver the presence of front, rear or corner objects. They are regarded as an aid to drivers for use at speeds of up to 0,5 m/s, and they do not relieve drivers of their responsibility when driving the vehicle.