

ISO 23792-2:2026-03 (E)

Intelligent transport systems - Motorway chauffeur systems (MCS) - Part 2: Requirements and test procedures for discretionary lane change

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	2
5	Motorway chauffer systems (MCS) with discretionary lane change (DLC)	5
5.1	DLC functionality	5
5.2	Lane change procedure	5
6	Requirements	6
6.1	General	6
6.2	State transitions	6
6.2.1	The states of DLC	7
6.2.2	The states of MCS	7
6.2.3	Transitions between the states	8
6.3	Detection function	9
6.3.1	Detection of a sufficient gap and target lane availability	9
6.4	Driver interface	13
6.4.1	Internal display elements	13
6.4.2	External notifications	13
6.4.3	Fallback ready user (FRU) input	13
6.4.4	DLC manoeuvre	14
6.4.5	Failure reactions	14
7	Minimum performance	14
7.1	Duration of the lane change manoeuvre	14
7.2	Operational limit	15
8	Performance evaluation test methods	15
8.1	Environment conditions	15
8.2	Test course conditions	15
8.3	Test vehicle conditions	15
8.4	Test system installation and configuration	16
8.5	Test procedures	16
8.5.1	Normal operation	16
8.5.2	Response to MCS cancellation condition during DLC	17
8.5.3	DLC conditions not met before starting the lane change procedure (Phase 1)	17
8.5.4	DLC conditions not met after starting the lane change procedure (start of Phase 2)	18
8.5.5	Steering input during DLC	18
Annex A (informative)	Permitted velocity for conducting a lane change	19
Bibliography		21