ISO 23150-20:2026-06 (E)

Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 20: Supportive and sensor input interfaces

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms 2

5 Supportive sensor interfaces 3
5.1 Sensor performance 3
5.1.1 Sensor performance interface 3
5.1.2 Sensor performance header 7
5.1.3 Sensor performance entity 8
5.1.4 Sensor performance profiles 9
5.2 Sensor health information 9
5.2.1 Sensor health information interface 9
5.2.2 Sensor health information header 12
5.2.3 Sensor health information entity 13
5.2.4 Sensor health information profiles 13
5.3 Sensor calibration 13
5.3.1 Sensor calibration interface 13
5.3.2 Sensor calibration header 16
5.3.3 Sensor calibration entity 17
5.3.4 Sensor calibration profiles 17

6 Sensor input interface 17
6.1 Common sensor input interface 17
6.2 Common sensor input header 23
6.3 Common sensor input entity 24
6.4 Common sensor input profiles 24
6.5 Common sensor input commands 24
6.5.1 Generic 24
6.5.2 Command reporting interface 24
6.5.3 Command measurement mode 25
6.5.4 Command segment resolution 25
6.5.5 Command sensor pose 25

Annex A (normative) Interface signals 26

Bibliography 57