

ISO 18497-2:2024-07 (E)

Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 2: Design principles for obstacle protection systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Safety requirements and protective or risk reduction measures	2
4.1	General	2
4.2	Design principles	3
4.2.1	General	3
4.2.2	Obstacle detection -- Perception and supervisory systems	3
4.2.3	Operational limits -- Perception and supervisory systems	5
4.2.4	Visual indication -- Partially automated and semi-autonomous (manual mode)	5
4.2.5	Audible indication -- Partially automated and semi-autonomous (manual mode)	5
4.2.6	Monitoring	5
4.2.7	Faults and failures	6
4.3	Labelling and identification	6
4.4	Information for use	6
Annex A (informative) Perception system technologies		8
Annex B (informative) Design recommendations for warning and hazard zones		12
Annex C (informative) Obstacle detection performance		13
Bibliography		14