

ISO 19453-1:2018-03 (E)

Road vehicles - Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles - Part 1: General

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification by mounting location	2
4.1	Powertrain	2
4.2	Passenger compartment	3
4.3	Luggage compartment/load compartment	3
4.4	Mounting on exterior/in cavities	3
4.5	Other mounting location	3
5	Operating modes	4
5.1	Operating mode 1	4
5.2	Operating mode 2	4
5.3	Operating mode 3	4
5.4	Operating mode 4	4
6	Functional status classification	4
6.1	General	4
6.2	Class A	4
6.3	Class B	5
6.4	Class C	5
6.5	Class D	5
6.6	Class E	5
7	Tests and requirements	5
7.1	General	5
7.2	General test conditions	5
7.3	Test sequence	6
8	Designation	6
8.1	Coding	6
8.2	Use of Code Z "as agreed"	7
Annex A (informative) Example of a test plan		8
Annex B (informative) Example of life test/reliability statement		9
Bibliography		13