

ISO 16750-2:2012-11 (E)

Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test and requirements	1
4.1	General	1
4.2	Direct current supply voltage	2
4.3	Overvoltage	2
4.4	Superimposed alternating voltage	3
4.5	Slow decrease and increase of supply voltage	6
4.6	Discontinuities in supply voltage	6
4.7	Reversed voltage	13
4.8	Ground reference and supply offset	14
4.9	Open circuit tests	14
4.10	Short circuit protection	15
4.11	Withstand voltage	16
4.12	Insulation resistance	17
4.13	Electromagnetic compatibility	17
5	Documentation	17
Annex A (normative) Test load dump pulse generator verification procedure		18
Annex B (informative) Origin of load dump pulse in road vehicles electrical systems		19
Bibliography		20