

ISO 7637-3:2007-07 (E)

Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Test methods	2
3.1	General	2
3.2	Standard test conditions	3
3.3	Ground plane	3
3.4	Test set-up	3
3.5	Application of transient test pulses	8
4	Test instrument description and specification	10
4.1	Power supply	10
4.2	Oscilloscope	10
4.3	Test pulse generator	10
4.4	Capacitive coupling clamp	14
4.5	Direct coupling capacitor	17
4.6	Inductive coupling clamp	17
	Annex A (normative) Calibration fixture used for the ICC test method	18
	Annex B (informative) Example of test severity levels associated with functional performance status classification	19
	Annex C (informative) Estimation of the inductive coupling factor	22
	Bibliography	24