

ISO 16845:2004-03 (E)

Road vehicles - Controller area network (CAN) - Conformance test plan

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	4
5	General	5
5.1	Architecture of the test plan (TP)	5
5.2	TP organization	7
5.3	Hierarchical structure of tests	8
6	LT parameters	9
6.1	Overview	9
6.2	Description of parameters	9
7	Test type 1, received frame type	10
7.1	Test class 1, valid frame format	10
7.2	Test class 2, error detection	18
7.3	Test class 3, active error frame management	22
7.4	Test class 4, overload frame management	24
7.5	Test class 5, passive-error state and bus-off	26
7.6	Test class 6, error counter management	29
7.7	Test class 7, bit timing class	37
8	Test type 2, transmitted frame	42
8.1	Test class 1, valid frame format	42
8.2	Test class 2, error detection	47
8.3	Test class 3, active error frame management	50
8.4	Test class 4, overload frame management	52
8.5	Test class 5, passive-error state and bus-off	55
8.6	Test class 6, error counter management	62
8.7	Test class 7, bit timing	71
9	Test type 3, bi-directional frame	76
9.1	Test class 1, valid frame format	76
9.2	Test class 2, error detection	76
9.3	Test class 3, active error frame management	76
9.4	Test class 4, overload frame management	76
9.5	Test class 5, passive-error state and bus-off	76
9.6	Test class 6, error counter management	76
9.7	Test class 7, bit timing	77