

Technical Software Specifications - SPS TestManager

Automotive software package Burst-Surge v1.0

The software package supplies only line conducted tests.

TestManager version SPS TestManager v2.15 or higher is required.

The required hardware can also be seen in the [hardware matrix](#).

(Not all tests from each standard are supported)

List of standards and tests supported by the SPS TestManager software:

BMW GS 95002

2010-06

7.2.1 Galvanic test

7.2.2 Capacitive test using the coupling clamp

BMW GS 95002-2

2013-07

5.7 Transients on supply lines (TSUP)

5.8 Transients on lines except for supply lines (TOL)

2019-10

5.7 Transients on supply lines (TSUP)

5.8 Transients on lines except for supply lines (TOL)

FCA CS.00054

2018-01

5.2 Electrical System Operating Requirement

5.3 Supply Voltage Variations

5.4 Supply Over Voltage and Reverse Voltage

5.5 Electronical System Compatibility Requirements

5.7 Conducted Transient Emissions

5.9 Transient Immunity

Fiat 9.90111-01

2012-06

4.1. Electrical System operating Environment

4.2 Supply Voltage Variations

4.3 Supply Over Voltage and Reverse Voltage

4.4 Electronical System Compatibility Requirements

5.4 Conducted Transient Emissions

6.4 Transient Immunity

GMW 3097

2012-04

- 3.5.1 CE Transients
- 3.5.2 CI Transients (Power Lines)
- 3.5.3 CI Coupling to I/O Lines
- 3.5.4 CI Direct Coupling to Sensor lines
- 3.5.5 CI 85 V Direct Capacitor Coupling
- 3.5.6 CI Alternator Direct Coupling

2015-06

- 3.5.1 CE Transients
- 3.5.2 CI Nominal 12V Lines
- 3.5.3 CI Coupling (CCC or DCC) to I/O
- 3.5.4 CI Coupling (DCC or CCC) - Sensors Only
- 3.5.5 CI Coupling (DCC on I/O and regulated supply lines, 85 V)
- 3.5.6 CI Alternator Direct Capacitor Coupling

ISO 7637-2

2004-06

- 4.3 Voltage transients emission tests
- 5.6 Test pulse generator for immunity testing

2011-03

- 4.3 Voltage transients emission tests
- 5.6 Test pulse generator for immunity testing

ISO 7637-3

2016-07

- 5.3.2 Slow transient pulses test
- 5.3.3 Fast transient pulses test

MAN M 3285

2017-07

- 6.1 Interference voltage peaks on supply lines
- 6.2 Coupled interference on signal and control lines

Mitsubishi ES-X82114

2007-04

- 6.7 Conducted Transient Emissions
- 9.1 Transient Disturbances Conducted along Supply Lines
- 9.2 Transient Disturbances Conducted along I/O or Sensor Lines

Nissan 28401NDS02

2002-04

- 6.1. Resistance to electrical disturbances tests
- 6.2. Immunity to conducted disturbance tests

2016-03

- 6.1. Resistance to electrical disturbances tests
- 6.2. Immunity to conducted disturbance tests

PSA B21 7110

2012-07

- 7.1. Low voltage network (12 V)
- 7.3. EMC immunity tests (general case)
- 7.4. EMC emission tests (general case)

2019-04

- 7.1. Electrical resist tests
- 7.2. EMC immunity tests
- 7.3. EMC emission tests (general case)

Renault 36-00-808

2012-07

- 6.1. Resistance to electrical disturbances tests
- 6.2. Immunity to conducted disturbance tests

2016-03

- 6.1. Resistance to electrical disturbances tests
- 6.2. Immunity to conducted disturbance tests

SAE j1113-11

2012-01

- Nominal 12V system
- Nominal 24V system

2017-06

- Nominal 12V system
- Nominal 24V system

2018-12

- Nominal 12V system
- Nominal 24V system

Volvo 31850329

2014-06

- 11. Transient Emission and Immunity Requirement

VW TL 81000

2016-02

3.4.4 Pulse interference on supply cables

3.4.5 Pulse interference on sensor cables

2018-03

5.4.4 Pulse interference on supply cables

5.4.5 Pulse interference on sensor cables