

## [<sup>F1</sup>ANNEX X

### METHOD(S) OF TESTING FOR IMMUNITY TO AND EMISSION OF TRANSIENTS OF ELECTRICAL/ELECTRONIC SUBASSEMBLIES

#### Textual Amendments

- F1** Substituted by [Commission Directive 2004/104/EC](#) of 14 October 2004 adapting to technical progress [Council Directive 72/245/EEC](#) relating to the radio interference (electromagnetic compatibility) of vehicles and amending [Directive 70/156/EEC](#) on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers (Text with EEA relevance).

#### 1. General

This test method shall ensure the immunity of ESAs to conducted transients on the vehicle power supply and limit conducted transients from ESAs to the vehicle power supply.

#### 2. Immunity against disturbances conducted along supply lines

Apply the test pulses 1, 2a, 2b, 3a, 3b and 4 according to the International Standard ISO 7637-2:2002 to the supply lines as well as to other connections of ESAs which may be operationally connected to supply lines.

#### 3. Emission of conducted disturbances along supply lines

Measurement according to the International Standard ISO 7637-2:2002 on supply lines as well as to other connections of ESAs which may be operationally connected to supply lines.]