



EMCD 2003



Dave Imeson
Chairman ECACB
Compliance Europe Ltd


SLIM

Simpler Legislation for the Internal Market

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SIGNIFICANT CHANGES

- Improves and simplifies the approach to defining equipment **included** and **excluded**.
- Rewords some important terms such as Apparatus and Fixed Installation.
- New definition “**ready made connecting device**”
- Removes ‘**direct function**’
- Qualifies “**Presumption of Conformity**”
- Competent Bodies → **Notified Bodies**
- Relaxed regime for Fixed Installations


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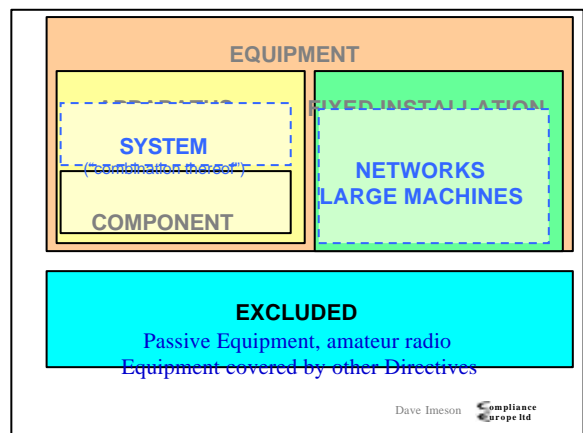
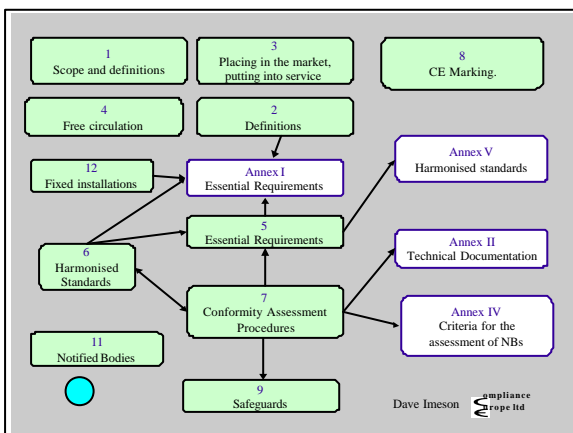
EMC ASSESSMENT

“an electromagnetic compatibility assessment needs to be carried out in order to determine the compliance of an apparatus with the protection requirements set out this Directive”

“The electromagnetic compatibility assessment must take into account all normal intended operating conditions”

“where the apparatus can take different configurations, the electromagnetic compatibility assessment must confirm that the apparatus shall meet the protection requirements in all possible configurations”

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Excluded from the Directive

- Equipment for radio amateurs including kits
- 'Passive equipment' – inherent nature of its physical characteristics is such that;
 - Emissions below a level allowing radio & TV equipment to operate and
 - Operates without unacceptable degradation in the presence of EMC disturbances.
- Equipment for which EMC is specified in other directives, e.g. automotive.

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Apparatus

Any finished appliance, or combination thereof, **intended for the end user, and made commercially available as a single functional unit**, liable to generate electromagnetic disturbance, or the performance of which is liable to be affected by such disturbance.

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Component or Subassembly

A component or subassembly intended for incorporation into an apparatus by the end user, which is liable to generate electromagnetic disturbance, or the performance of which is liable to be affected by such disturbance, is deemed to be an **apparatus** for the purposes of this Directive.

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Ready made connecting device

A device intended for connection to an apparatus by an end user for the transmission of signals, **which is marketed separately from such apparatus**, and which is liable to generate or transmit electromagnetic disturbance when connected to it, is deemed to be an apparatus for the purposes of this Directive

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Fixed Installation

Fixed installation means a unique combination of several types of apparatus and, where applicable, other devices, which are assembled, installed and **intended to be used permanently at a predefined location**.

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Annex 1- Essential Requirements

- Protection Requirements
 - Old Article 4
- Specific Requirements for apparatus
 - EMC Assessment
 - [External](#) Devices
 - [Information](#) Requirements
- Requirements for Fixed Installations

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External Devices

- Apparatus must meet protection requirements without external devices (filters, ferrites) unless these devices placed on the market with the apparatus as a functional unit.
- May not apply to apparatus intended for professional installation.
- Plugs and cables exempted if commercially available and properly [defined](#).

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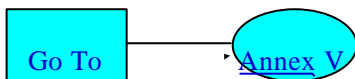
Information Requirements

- Type, batch, serial number
- Name & Address of manufacturer and/or agent
- Specific precautions that have to be taken when the apparatus is assembled, installed, maintained or used to ensure that the apparatus is in conformity with the protection requirements.
- Where apparatus deviates from requirements for use in a residential environment it must be indicated to end-[user](#).

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Harmonised Standards

- A Harmonised Standard published in the OJ gives [Presumption of Conformity](#). So equipment that complies with a relevant harmonised standard is presumed to be in compliance with the essential requirements.




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Presumption of Conformity

- *Extract from the Blue Guide.....*
Conformity with a national standard that transposes a harmonised standard, whose reference has been published (in the OJEC), confers a [presumption of conformity](#) with the [essential requirements](#) of the directive that is covered by such a standard.

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Cardiff Prosecution

- Manufacturer makes hair dryers
- Relevant harmonised standard is EN 55014 (CISPR 14) - tests only to 300MHz.
- Manufacturer tested and affixed CE Mark
- Prosecution based on case that the product caused TV interference.
- What does this say about [Presumption of Conformity](#)? 

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Annex V

- Presumption of Conformity
- Compliance with a standard means compliance with the limits and methods specified.
- Presumption of Conformity limited to scope of standard(s) and essential requirements covered by standard(s).
- Reference to the use of standardisation documents.

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Conformity Assessment

- Essentially only 1 route – ‘the manufacturer must establish technical documentation which provides evidence of conformity’.
- Where standards are not applied in full, the involvement of a Notified Body is optional not mandatory.

Documentation, CE Mark
Declaration of Conformity

Annex II

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Annex II

- Technical Documentation
 - Description of apparatus
 - Report of Compliance with harmonised standards.
 - Where standards not applied or applied in part, steps taken to meet essential requirements including electromagnetic assessment.
 - May include report from Notified Body.
- Declaration of Conformity

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Fixed Installations

- Apparatus already placed on the market subject to conformity assessment however Apparatus made specifically for a fixed installation not subject to conformity assessment but must detail installation procedures.
- A Fixed Installation shall be installed using good engineering practice.
- Competent Authorities may impose appropriate measures to bring an installation into compliance and shall identify person(s) responsible for compliance.

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Further Work

- SLIM WG has finished – EMCD 2000.8 was the output, published in the OJ as COM(2002) 759.
- EMC WP 10th/11th Mar reviewed without change.
- Co-Decision Process (COD) in:
 - European Parliament
 - Council of Ministers (during Italian Presidency)
- After which directive must be:
 - Published in the OJ.
 - Transposed into law in Member States
- Produce a new set of Guidelines?

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Possible SLIM Timetable

Completion of SLIM WG	1Q 2001
Draft Directive published	4Q 2002
Co- Decision Process starts	2Q 2003
Endorsed by Council of Ministers	4Q 2003
Published in the OJ	1Q 2004
Legislate in each member state	>2004

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