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The New EMC Directive at a glance

In July 2007 the Electromagnetic Compatibility (EMC) Directive 89/336/EEC was repealed by Directive 2004/108/EC. As there is a two year transition period, it will no longer be possible to claim compliance against Directive 89/336/EEC from July 2009 for existing equipment.

In the UK, the Directive was implemented by SI 2006 No. 3418 - The EMC Regulations 2006.

The basic principles of the original Directive have not been changed but a number of other significant changes have taken place.

The new Directive applies to equipment, which has two subsets: apparatus and fixed installations. The purpose of this change is to allow a different regulatory regime to apply to each.

Manufacturers of apparatus must prepare and maintain technical documentation and, where harmonised standards are not applied in full, carry out an EMC assessment. There is also a separate conformity regime for fixed installations.

APPARATUS

The new Directive defines Apparatus as any finished appliance or combination thereof made commercially available as a single functional unit. Mobile installations are also deemed to be apparatus in the new Directive. A mobile installation is defined as a combination of apparatus and, where applicable, other devices, intended to be moved and operated in a range of locations. For apparatus, there is only one route to compliance, self declaration with internal production control. This requires the manufacturer to:

Perform an EMC Assessment

If the manufacturer has not applied Harmonised Standards in full, he must perform an EMC Assessment on the basis of the relevant phenomena with a view to meeting the essential requirements

Produce Technical Documentation

All manufacturers must produce Technical Documentation which provides evidence that the apparatus meets the essential requirements. It must cover the design and manufacture of the apparatus.

Provide Additional Information

Additional information concerning type, batch, and serial number for identification of the apparatus is also required.

At his discretion, the manufacturer may involve a Notified Body (formerly Competent Body) to assess all or part of his Technical Documentation.

FIXED INSTALLATIONS

The new Directive introduces a separate conformity assessment regime for fixed installations and apparatus unique to the final installation, referred to as 'certain apparatus'. A fixed installation must meet the protection requirements, plus additional specific essential requirements.

Installation must be carried out applying good engineering practices with a view to meeting the protection requirements.

The good engineering practices employed shall be documented and retained by a designated responsible person for as long as the fixed installation is in operation.

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The Major Changes at a Glance

- From July 2007, the existing EMC Directive 89/336/EEC is repealed by the new Directive 2004/108/EC
- Two year transition period until July 2009 for existing equipment
- New Directive applies to equipment defined as:
 - Apparatus
 - Fixed Installations
- Single Route to Conformity for apparatus, self declaration
- No Technical Construction File (TCF) Route
- Competent Bodies become Notified Bodies
- Voluntary Notified Body involvement

Apparatus

- Technical Documentation must be produced
- EMC Assessment must be performed if Harmonised Standards not applied in full

Fixed Installations

- Compliance with essential requirements
- Must be installed applying good engineering practices
- Documentation prepared and held by a designated Responsible Person

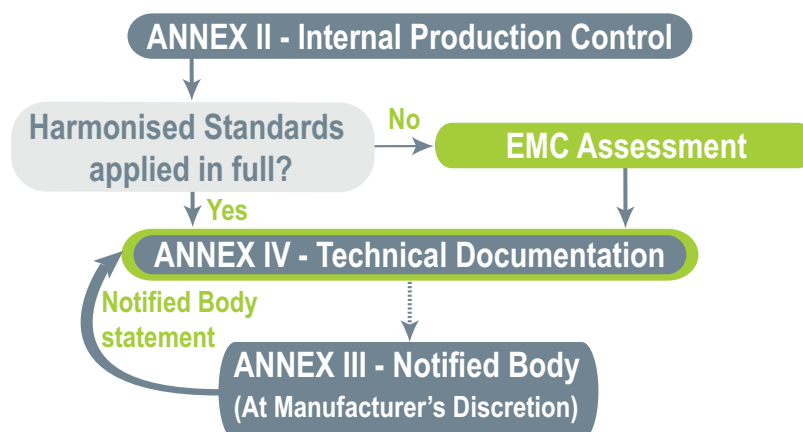
TÜV SÜD is ready

As a Notified Body, we will provide you with all the assistance you require in producing and assessing technical documentation required by the new EMC Directive. We offer the following services:

- Notified Body Statement of Compliance
- Technical Documentation Compilation
- Technical Documentation Review
- Guidance in conducting an EMC Assessment
- Guidance in applying good EMC engineering practices in fixed installations
- Review of documentation held by Responsible Person

In July 2007 TÜV Product Service Ltd was appointed a Notified Body under EMC Directive 2004/108/EC after many successful years as a leading Competent Body in the United Kingdom for Directive 89/336/EEC. TÜV Product Service Ltd is UKAS accredited for permanent laboratory and site testing.

For more information on the change to the new EMC Directive contact Damon High on +44 (0)1489 558347.



Routes of Conformity for Apparatus (2004/108/EC)

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Transitional Period

	UP TO 2007	2007 TO 2009		POST 2009
	2005 281 Regulations	20 JULY 2007	2006 3418 Regulations	20 JULY 2009 2006 3418 Regulations
Apparatus	3 Routes to Conformity	Existing or already placed on market	Continue with DoC under 2005 281 Regulations	
		New or modified	Comply with 2006 3418 Regulations Single Route to Conformity (Technical Documentation) Includes Mobile Installations	
Certain Apparatus	Must meet Essential Requirements but no CE marking	2006 3418 Regulation 34		
Fixed Installations	Excluded but common practice to comply with Essential Requirements	Existing	No requirement to change	
		Modified	Aspects relating to modifications to comply with 2006 3418 Regulation 35	
		New	2006 3418 Regulation 35	
	UP TO 2007	2007 TO 2009		POST 2009

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