



Fact Sheet

EMC Directive and Regulation

EU - Directive 2014/30/EU on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)

UK - The Electromagnetic Compatibility Regulations No. 10912016

Date	Version	Details
12 th Jan 25	1	First Issue

Requirements



Product



Product markings and instructions

Introduction

The EMC Directive sets requirements for electrical products to ensure they do not give off, electromagnetic energy that could cause interference or be susceptible to electromagnetic energy in a way that could cause harm prevent function.

The EU EMC Directive and UK EMC Regulations remain fully aligned after Brexit.

Scope

The EMC Directive and Regulations cover any product liable to generate electromagnetic disturbance. It typically applies to all kinds of electrical toys but special care should be taken for toys with motors.

Timescales

The EMC Directive came into effect on **April 20, 2016**. The EMC Regulation came into force on **December 8th, 2016**. They replaced an older version of the EMC Directive/Regulations.

Detail

Product

Economic Operators

The definitions of a manufacturer, importer, distributor and authorised representative, as identical to the TSD. It is important to note that a company's Economic Operator role may be different for EMC than under the TSD.

Since the UK and EU requirements apply separately, the economic operator type may change between the EU and the UK.

Essential requirements

Equipment shall be designed and manufactured, to ensure that:

- (a) the electromagnetic disturbance generated does not exceed a level above which radio and telecommunications equipment can operate; and
- (b) it has a level of immunity to electromagnetic disturbance which allows it to operate without unacceptable degradation.

The requirements are normally addressed by application of standards

Conformity assessment and Standards

Manufacturers typically use self-assessment to assess conformity with the essential requirements. The Directive and Regulations allow the use of harmonised (EU) and Designated (UK) standards for this purpose. The EU list of referenced standards and the UK list of designated standards may be different.

Alternatively, the product could be submitted to a Notified Body for type approval.

Product markings and instructions

The marking requirements (CE, Address, serial number, etc) are identical to the TSD. It has been noted by some members that some EU member states require the markings to be on the product and do not allow for removal to the packaging/instructions.

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