

PRODUCT

COMPLIANCE UPDATE

2018 Issue 2

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EN 61000-4-5 EMC Surge standard updated

EN 61000-4-11 EMC Dips and Interrupts standard updated

Standards Published

Recently

February 2018

March 2018

April 2018

Compliance Calendar

Headlines

New Harmonised Standards list published in the OJEU for:

Radio Equipment Directive, (2014/53/EU)

Latest publication, 9th March 2018: see [2018/C 092/05](#)

Machinery Directive, (2006/42/EC)

Latest publication, 9th March 2018: see [2018/C 092/01](#)

Eco-Management Audit Scheme

Latest publication, 9th March 2018: see [2018/C 092/04](#)

Standards being withdrawn (see standards watch)

- **within 1 year**
 - European Standards 6 standards
 - Other Standards none identified
- **within 2 years**
 - European Standards 2 standards
 - Other Standards none identified

If you want to know more, contact us



Standards Watch

Changes to standards and EU Directives that impact on product compliance



European harmonised standards are regularly updated

Care should be taken to make sure product compliance is kept up to date

European standards being withdrawn

The following standards are being withdrawn, at which time they will no longer provide a presumption of conformity for CE marking:

Within 12 months

Date	Old standard	Subject	New standard
05 May 2018	EN 55032:2012	EMC	EN 55032:2015
15 Sep 2018	EN ISO 9001:2008	Quality Systems	EN ISO 9001:2015
	EN ISO 14001:2004		EN ISO 14001:2015
31 Oct 2018	ETSI EN 301 489-1 V1.9.2	EMC	ETSI EN 301 489-1 V2.1.1
	ETSI EN 301 489-17 V2.2.1		ETSI EN 301 489-17 V3.1.1
15 Feb 2019	EN 55011:2009 + A1:2010		EN 55011:2016

Within 2 years

Date	Old standard	Subject	New standard
20 Jun 2019 (see Note 1)	EN 60950:2006 + A2:2013	LVD	EN 62368-1:2014
	EN 60065:2014 + A2:2014		

Note 1: It is proposed to delay this change until 20 Dec 2020, but this has not yet been confirmed by publication in the OJEU.

Other standards being withdrawn

Within 12 months

Date	Old standard	Country	New standard

Within 2 years

Date	Old standard	Country	New standard

Lists of European Harmonised Standards

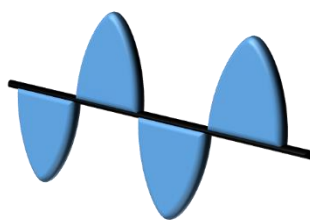
Published in the Official Journal of the EU and giving presumption of conformity with the essential requirements of the relevant Directive.

Directive (+link)	OJEU ref (+link)	Date
EMC	2016/C 293/03	12 Aug 2016
LVD	2017/C 298/02	08 Sep 2017
Radio Equipment Directive	2018/C 092/05	09 Mar 2018
Medical Devices Directive	2017/C 389/03	17 Nov 2017
Active implantable medical devices	2017/C 389/02	17 Nov 2017
In vitro diagnostic medical devices	2017/C 389/04	17 Nov 2017
Machinery Directive	2018/C 092/01	09 Mar 2018
RoHS Directive	2012/C 363/05	23 Nov 2012

Further information:



Guidance



EMC Directive

The European Commission have published a new “Guide for the EMC Directive (2014/30/EU)”

<https://ec.europa.eu/docsroom/documents/28262>

(Caution page numbers do not match up with those indicated in the index)

This Guide should always be read in conjunction with the [‘Blue Guide’](#) on the implementation of EU product rules¹.

The purpose of this Guide is to give guidance on certain matters and procedures of the EMCD.



Radio Equipment Directive

The European Commission have published a list of “National language requirements of the national implementation of the Radio Equipment Directive (RED; 2014/53/EU) - version 14th March 2018”

<https://ec.europa.eu/docsroom/documents/28361?locale=en>

Take care – several countries have been missed off the list, namely:

- Bulgaria
- Hungary
- Malta
- Germany
- Ireland

New EU Regulation



EU Goods Package

The European Commission have issued a proposal for a Regulation on Enforcement and Compliance in the Single Market for Goods (Goods package)

https://ec.europa.eu/info/law/better-regulation/initiatives/com-2017-795_en

The intention of this regulation is to:

- consolidate the existing framework for market surveillance activities;
- encourage joint actions by market surveillance authorities from several Member States;
- improve the exchange of information and promote the coordination of market surveillance programmes;
- create a strengthened framework for controls on products entering the Union market and for improved cooperation between market surveillance authorities and customs authorities.

Applicable EU Regulations		Applicable EU Directives	
(EU) 305/2011	Construction Products Regulation	2014/31/EU	Non-Automatic Weighing Instruments Directive
(EU) 528/2012	Biocidal Products Regulation	2014/32/EU	Measuring Instruments Directive, (MID)
(EU) 2016/424	Cableway Installations Regulation	2014/33/EU	Lifts Directive
(EU) 2016/425	Personal Protective Equipment Regulation	2014/34/EU	ATEX 95 equipment directive
(EU) 2016/426	Gaseous Fuel Regulation	2014/35/EU	Low Voltage Directive, (LVD)
(EU) 2017/1369	Energy Labelling Framework Regulation	2014/53/EU	Radio Equipment Directive
		2014/68/EU	Pressure Equipment Directive, (PED)
		2014/90/EU	Marine Equipment Directive



SUSTAINABILITY

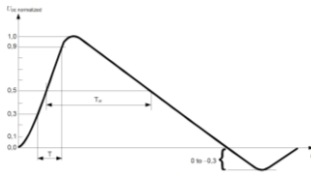


RoHS – Published extension of expiry dates

The following extensions to expiry dates have been published in the OJEU:

EU Ref	Exemption	Description
C(2018)1094	6(a)	Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight
	6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0,35% lead by weight and in batch hot dip galvanised steel components containing up to 0,2% lead by Weight
C(2018)1092	6(b)	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight
	6(b)-I	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling
	6(b)-II	Lead as an alloying element in aluminium for machining purposes with a lead content up to 0,4 % by weight
C(2018)1075	6(c)	Copper alloy containing up to 4 % lead by weight
C(2018)1076	7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)

New Standards of Interest

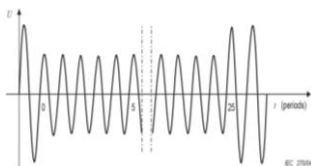


EN 61000-4-5 EMC Surge standard updated

[BS EN 61000-4-5:2014 + A1:2017](#) “Electromagnetic compatibility (EMC), Part 4-5: Testing and measurement techniques —Surge immunity test” has been published

This amendment corrects a problem that test laboratories and manufacturers were having with EN 61000-4-5:2014 wherein some products wouldn’t power up through the power CDN defined in the standard, and in some cases the inductance necessary was damaging products.

This has been fixed by introducing a statement into clause 7.3 which allows surge tests with higher current rated CDNs and adding a new (informative) Annex I “Issues relating to powering EUTs having DC/DC converters at the input”, which explains the problem in detail.



EN 61000-4-11 EMC Dips and Interrupts standard updated

[BS EN 61000-4-11:2014 + A1:2017](#) “Electromagnetic compatibility (EMC), Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests” has been published

This amendment introduces a new (informative) Annex D “Rationale for generator specification regarding voltage, rise-time and fall-time, and inrush current capability”



Standards Published Recently

National and international standards of interest published in recent months

February 2018

BS EN ISO/IEC 17025:2017	General requirements for the competence of testing and calibration laboratories
BS EN 50672:2017	Ecodesign requirements for computers and computer servers
BS ISO 10006:2017	Quality management. Guidelines for quality management in projects
BS ISO 14026:2017	Environmental labels and declarations. Principles, requirements and guidelines for communication of footprint information
BS ISO/IEC 14882:2017	Programming languages. C++
BS ISO 19809:2017	Packaging. Accessible design. Information and marking
BS ISO/IEC/IEEE 24748-5:2017	Systems and software engineering. Life cycle management. Software development planning
BS ISO/IEC/IEEE 26513:2017	Systems and software engineering. Requirements for testers and reviewers of information for users

March 2018

BS EN 55016-2-3:2017	Specification for radio disturbance and immunity measuring apparatus and methods. Methods of measurement of disturbances and immunity. Radiated disturbance measurements
BS EN 62232:2017	Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure
BS EN 61000-4-11:2004 + A1:2017	Electromagnetic compatibility (EMC). Testing and measurement techniques. Voltage dips, short interruptions and voltage variations immunity tests

April 2018

BS EN 60350-2:2018	Household electric cooking appliances. Hobs. Methods for measuring performance
BS ISO 31000:2018	Risk management. Guidelines
PAS 7100:2018	Code of practice on consumer product safety related recalls and other corrective actions: Part I: Business Part II: Regulators
A1:2018 to BS 1363 parts 1 to 4:2016+	13 A plugs, socket-outlets, adaptors and connection units.
BS EN ISO 14044:2006 + A1:2018	Environmental management. Life cycle assessment. Requirements and guidelines
BS EN 55016-1-6:2015 + A1:2017	Specification for radio disturbance and immunity measuring apparatus and methods. Radio disturbance and immunity measuring apparatus. EMC antenna calibration
BS EN 61000-4-5:2014 + A1:2017	Electromagnetic compatibility (EMC). Testing and measurement techniques. Surge immunity test



Compliance Calendar

What's happening in the Compliance world in the next few months

February 2018

MON	TUE	WED	THU	FRI	SAT	SUN
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March 2018

MON	TUE	WED	THU	FRI	SAT	SUN
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25 A
26	27	28	29	30 C	31	

A New EMC standard must be used:
EN 55014-2:2015, (replaces EN 55014-2:97 + A1:01 + A2:08)

April 2018

MON	TUE	WED	THU	FRI	SAT	SUN
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May 2018

MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5 A	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

A New EMC Directive standard must be used:

- EN 55032:2015, (replaces EN 55032:2012)