

PRODUCT

# COMPLIANCE

UPDATE

2017 Issue 1

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## Headlines

### CE Mark DoC – NEW DIRECTIVE NUMBERS

You still have a little time for the R&TTE => RED transition

**RTTE (RED)**

**1 4**

**weeks before you MUST use**

Although there are still enormous problems in getting harmonised standards published in time to meet this deadline !!!!

### New Harmonised Standards list published in the OJEU for:

2014/53/EU, Radio Equipment Directive see [OJEU 2017/ C 044/02](#)

# 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## European standards being withdrawn

The following standards are being withdrawn, at which time they will no longer provide a presumption of conformity for CE marking: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 Mar 2017	<a href="#">EN 55022:2010</a>	EMC	<a href="#">EN 55032:2012</a>
13 Jun 2017 (NOTE 1)	EN 301 489-1 V1.9.2	RED	EN 301 489-1 V2.1.1
	EN 301 489-17 V2.2.1		EN 301 489-17 V3.1.1
	EN 300 328 V1.9.1		EN 300 328 V2.2.1
	EN 301 893 V1.8.1		(TBA)
19 Jun 2017	EN 61000-4-5:2006	EMC	EN 61000-4-5:2014
30 Jun 2017	EN 61000-3-2:06 + A2:09		EN 61000-3-2:2014
17 Nov 2017	EN60065:02 + A12:11	LVD	EN 60065 : 2014
26 Jan 2018	EN 50156-1:2004		EN 50156-1:2015

**NOTE 1** These old standards are not harmonised under the RED, so cannot be used after the RED becomes mandatory, (ie 13<sup>th</sup> June 2017) – even if the date in the standard is later

### Within 2 years

Date	Old standard	Subject	New standard
25 Mar 2018	EN 55014-2:97 + A2:08	EMC	EN 55014-2:2015
05 May 2018	EN 55032:2012		EN 55032:2015
31 Jul 2018	EN 62061:2005 + A1:2013	Machinery	EN 62061:2005 + A2:15
15 Sep 2018	EN ISO 9001:2008	Quality Systems	EN ISO 9001:2015
15 Sep 2018	EN ISO 14001:2004		EN ISO 14001:2015

## EU Directives changing

One further EU Directive will change within 2017. All relevant CE Mark Declarations of Conformity will have to be re-issued for all products still being manufactured:

### Within 12 months

Date	Directive	Old Number	New Number
13 Jun 2017	<a href="#">R&amp;TTE</a>	<a href="#">1999/5/EC</a>	<a href="#">2014/53/EU</a> <sup>(1)</sup>

<sup>(1)</sup> MUST use the new "Radio Equipment Directive", (RED).

Further information:



## 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	OJEU Ref	Date
<a href="#">EMC</a>	<a href="#">2016/C 293/03</a>	12 Aug 2016
<a href="#">LVD</a>	<a href="#">2016/C 249/03</a>	08 Jul 2016
<a href="#">R&amp;TTE Directive</a>	<a href="#">2016/C 249/01</a>	08 Jul 2016
<a href="#">(+ Corrigenda)</a>	<a href="#">2016/C 342/15</a>	17 Sep 2016
<a href="#">(+ Corrigenda)</a>	<a href="#">2016/C 403/11</a>	01 Nov 2016
<a href="#">Radio Equipment Directive</a>	<a href="#">2017/C 044/02</a>	10 Feb 2017
<a href="#">Medical Devices Directive</a>	<a href="#">2016/C 173/03</a>	13 May 2016
<a href="#">Active implantable medical devices</a>	<a href="#">2016/C 173/02</a>	13 May 2016
<a href="#">In vitro diagnostic medical devices</a>	<a href="#">2016/C 173/04</a>	13 May 2016
<a href="#">(+ Corrigenda)</a>	<a href="#">2016/C 249/05</a>	08 Jul 2016
<a href="#">Machinery Directive</a>	<a href="#">2016/C 332/01</a>	09 Sep 2016
<a href="#">RoHS Directive</a>	<a href="#">2012/C 363/05</a>	23 Nov 2012

## Update on Harmonised Standards Lists

What's changed in the recent lists published in the OJEU



### Radio Equipment Directive (2014/53/EU)

The OJEU publication of standards harmonised under the Radio Equipment Directive is being updated every month.

There have been two publications since the November/December 2016 newsletter:

- 13<sup>th</sup> January 2017 [2017/C 011/01](#) 21 standards added
- 10<sup>th</sup> February 2017 [2017/C 044/02](#) 4 standards added

This brings the total number of standards harmonised under the RED to 51 (compared to over 200 standards harmonised under the R&TTE Directive – the work continues)

## When to use an updated standard



### “Date of Withdrawal of conflicting standards”, (dow) vs “Date of Cessation of presumption of conformity of superseded standard” (docopocoss)

When using harmonised standards to presume compliance for CE Marking it is important to recognise that it is not the “dow” published in the standard you need to be worried about. The “docopocoss” published in the OJEU that is more important. It is the information published in the OJEU that defines when a version of a standard can and can't be used

Note: Most of the time the “dow” is the same as the “docopocoss”,

**\*\*\*\* BUT NOT ALWAYS – SO CHECK THE OJEU \*\*\*\***

Another problem is that sometimes only the latest version of a standard is published in the OJEU – earlier versions are not,

This is particularly important with the implementation of the Radio Equipment Directive, (RED), which becomes mandatory on the 13<sup>th</sup> June 2017.

Many, many standards have been / are being updated to meet the essential requirements of the RED. This means that earlier versions of some standards cannot and will not be harmonised under the RED.

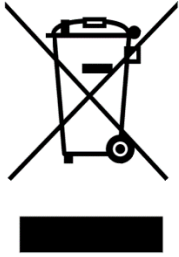
The implications of this are:

- There is no “conflicting standard”, so the dow in the new standard is meaningless for CE Marking.
- There is no “superseded standard”, so there will be no docopocoss published in the OJEU

**The result is the new standard will be mandatory from 13<sup>th</sup> June 2017**

Real examples of this are described later in this newsletter

## Environmental



### European Standards for Waste Electrical and Electronic Equipment (WEEE)

CENELEC has just published this informative guide (see <https://www.cenelec.eu/news/publications/Publications/WEEE-brochure.pdf>)

The WEEE Directive 2012/19/EU addresses producers and importers of EEE in Europe. It sets requirements and targets for the collection and treatment of WEEE.

The European standards, developed in support of the WEEE Directive, cover all product categories and address the collection, transport and treatment, including preparation for reuse of the WEEE.

The objectives of the standards are to:

- Assist treatment operators in fulfilling the requirements of the WEEE Directive without placing unnecessary administrative burdens on operators of any size, including small and medium sized enterprises (SMEs).
- Give additional guidance to operators.
- Cover the treatment of waste from all products within the extended scope of the WEEE Directive.
- Cover the collection and logistics of WEEE to allow proper treatment.

## New Standards



### ETSI EN 301 489-1 V2.1.1 (2017-02)

***ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU***

Available free of charge from ETSI:

[http://www.etsi.org/deliver/etsi\\_en/301400\\_301499/30148901/02.01.01\\_60/en\\_30148901v020101p.pdf](http://www.etsi.org/deliver/etsi_en/301400_301499/30148901/02.01.01_60/en_30148901v020101p.pdf)

Major changes introduced in this version:

- Radiated immunity testing to a continuous sweep between 80 MHz and 6 000 MHz at 3V/m, as opposed to the previous frequency range of 80 MHz to 1 000 MHz and 1 400 MHz to 2 700 MHz in earlier editions of the ETSI EN 301 489 series.
- New derivations of exclusion bands more closely linked to the operational characteristics of the radio link(s) in the EUT. In many cases this has resulted in new exclusion bands in the individual parts of the ETSI EN 301 489 series.
- Surge test method aligned with CENELEC EN 61000-4-5.
- Also with this version the previous annex B that dealt with aftermarket fitment of radio equipment into vehicles has been removed following the demise of the EU motor vehicle EMC Directive.
- Those parts of annex C that covered combined equipment have been removed.

**NOTE: this standard will replace EN 301 489-1 V1.9.2 (2011-09) for CE Marked products from 13<sup>th</sup> June 2017, NOT 13<sup>th</sup> October 2018 as stated as the dow published in the standard**



**ETSI EN 301 489-17 V3.1.1 (2017-02)**

***ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU***

Available free of charge from ETSI:

[http://www.etsi.org/deliver/etsi\\_en/300300\\_300399/300328/02\\_01\\_01\\_60/en\\_300328v020101p.pdf](http://www.etsi.org/deliver/etsi_en/300300_300399/300328/02_01_01_60/en_300328v020101p.pdf)

Major changes introduced in this version:

- Radiated immunity testing to a continuous sweep between 80 MHz and 6 000 MHz at 3 V/m, as opposed to the previous frequency range of 80 MHz to 1 000 MHz and 1 400 MHz to 2 700 MHz in earlier editions.
- New derivations of exclusion bands more closely linked to the operational characteristics of the radio link(s) in the EUT.
- New test arrangement for systems with multiple antennas.

**NOTE: this standard will replace EN 301 489-17 V2.2.1 (2012-09) for CE Marked products from 13<sup>th</sup> June 2017, NOT 31<sup>st</sup> October 2018 as stated as the dow published in the standard**

National and international standards of interest published in recent months

**December 2016**

BS EN 61000-1-2:2016	Electromagnetic compatibility (EMC). General. Methodology for the achievement of functional safety of electrical and electronic systems including equipment with regard to electromagnetic phenomena
BS EN 61000-4-9:2016	Electromagnetic compatibility (EMC). Testing and measurement techniques. Impulse magnetic field immunity test
BS ISO 37001:2016	Anti-bribery management systems. Requirements with guidance for use

**January 2017**

**February 2017**

IEC 61010-1:— (Amendment 1)	Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements
IEC 61010-2-030:2017 (Edition 2)	Safety requirements for electrical equipment for measurement, control, and laboratory use. Particular requirements for equipment having testing or measuring circuits

# Compliance Calendar

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

## January 2017

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	31					

## February 2017

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 2017

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		

- <sup>A</sup> New EMC standard must be used:
- EN55022:2012, (replaces EN55022:2010)

## April 2017

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