



Radio Approvals for the UK and Great Britain

Michael Derby – Element – MIC MRA – 6 March 2024

Welcome



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MIC MRA Agenda

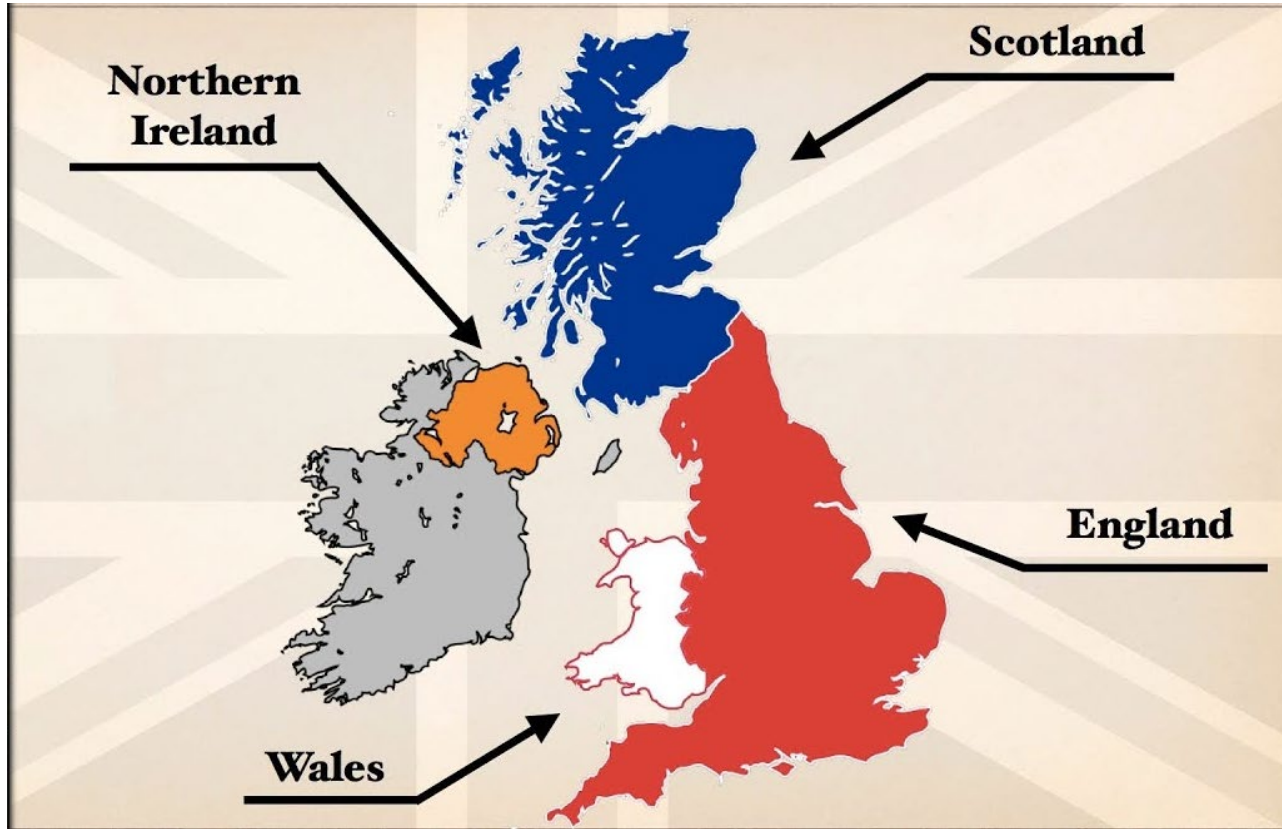
Explanation of: GB, UK, NI

Regulatory Approvals for: GB

CE marked equipment into Great Britain

UK Cyber PSTI

Which Countries are Involved



What is the UK, Great Britain, Ireland



Compliance Marks for UK, GB, NI



Department for
Business, Energy
& Industrial Strategy

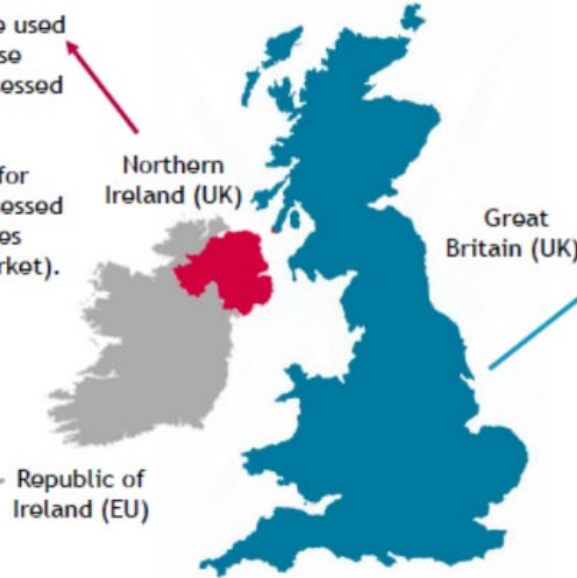
CE
OR
CE UK NI

Northern Ireland (UK)
The CE marking continues to be used for self-assessed goods and those goods which are conformity assessed by an EU Notified Body.

The CE plus UKNI mark is used for goods which are conformity assessed by a UK Notified Body (UK bodies retain this status for the NI market).

CE

Rep. Ireland and rest of the European Union
In the Republic of Ireland and the wider European Union the CE mark (or reverse epsilon marking where required) continues to be used.



UK CA

Great Britain (UK)
The UKCA mark will be mandatory in Great Britain for goods placed on the market for the first time on and after 1 Jan 2025

It also replaces the reverse epsilon marking for goods placed on the market in Great Britain.

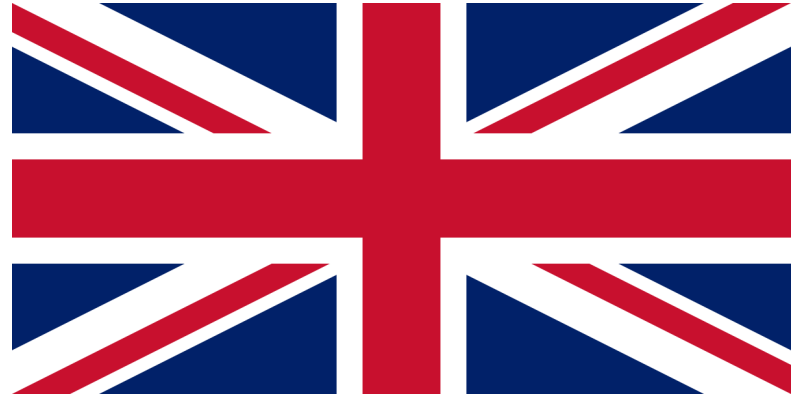
UK Radio Equipment Regulation

- UK Radio Equipment Regulation
 - UKCA mark
- Applies for Great Britain (GB)
 - From 1 January 2021

**UK
CA**

UK Radio Equipment Regulation

- UK RER
 - Radio Communication and Radio Determination
 - Same scope as the RED
- May be different radio spectrum
 - Don't assume
 - 5.8 GHz WLAN, Wi-Fi 6E



Assessment Requirements

- Essential requirements
 - Section 6(1a): **Safety**
 - Section 6(1b): **EMC**
 - Section 6(2): **Radio**
- DoC when placed on the market
 - Applicable per unit, like EU RED
- Based on Designated Standards – most recent was 2 February 2024
 - <https://www.gov.uk/government/publications/designated-standards-radio-equipment>



Assessment Requirements

- Essential requirements
 - Section 6(1a): **Safety**
 - Section 6(1b): **EMC**
 - Section 6(2): **Radio**
- Same testing process as RED
 - Mostly same standards
 - “EN” standards



UK RER – DoC

1

DoC

**Applies to
the final product**

There is no
“Certification”

Approved Body TEC
RER Section 6(2)

UK RER – Assessment Scope

Product Safety

Section 6(1a)

(Same as RED Article 3.1a)

EMC Performance

Section 6(1b)

(Same as RED Article 3.1b)

Radio Performance

Section 6(2)

(Same as RED Article 3.2)

**Not in
UK RER**

UKCA marking

UKCA marking
and labelling

Technical Documentation

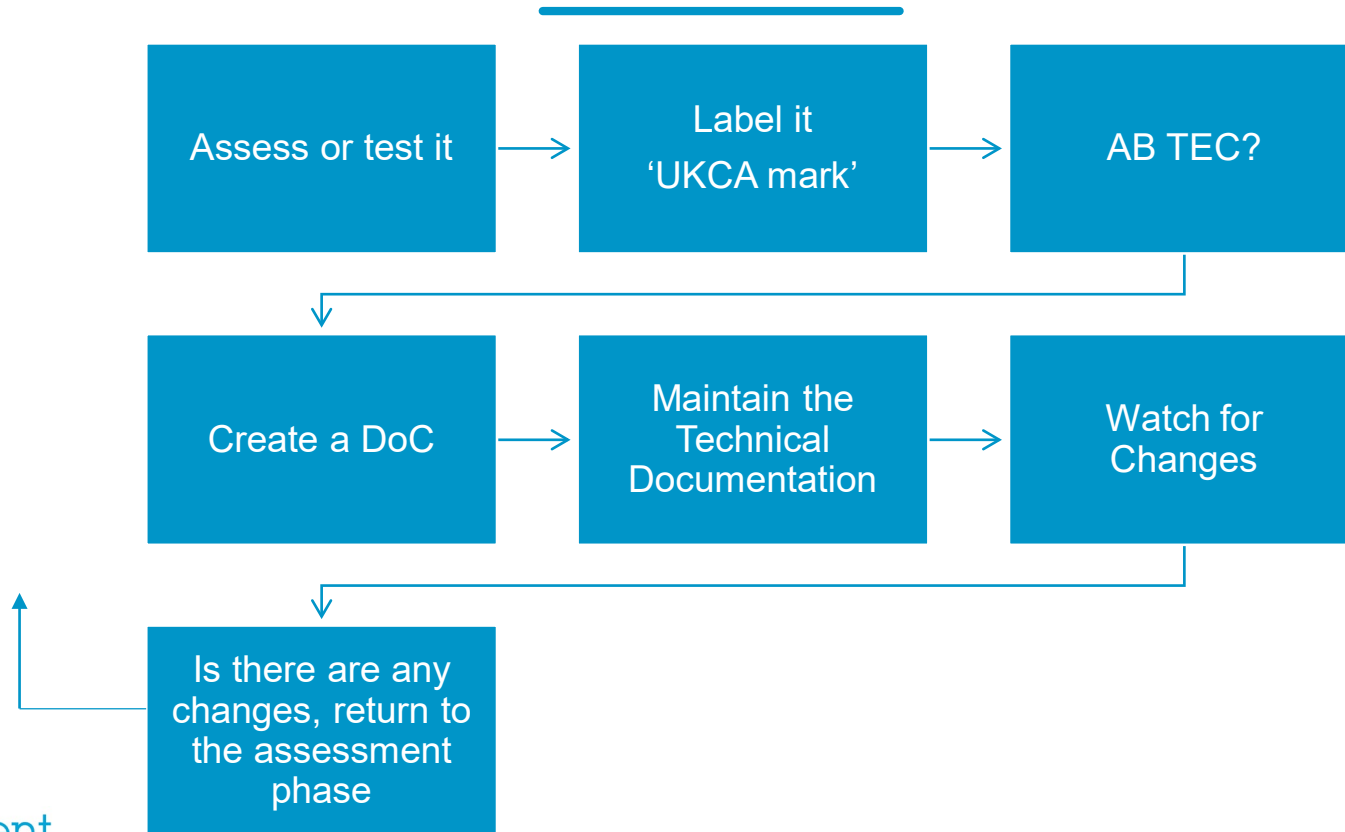
UKCA mark

Manufacturer name and details

UK based importer details with product



RER Compliance Process



EU and Great Britain Comparison



CE



UK
CA

UK RER vs EU RED – Assessment

Assessment
Comparisons

EU Harmonised Standards
UK Designated Standards

EU Notified Body
UK Approved Body

Article 3.3 – **Not in UK**

(g) for phone emergency calling
(d), (e), (f) for Cyber (August 2025)

RED Article 3.4 – **Not in UK**
Common charger port

UK RER vs EU RED – Labelling

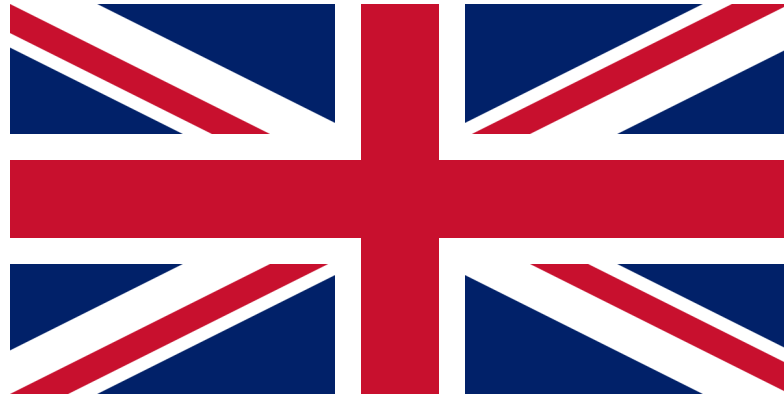
Labelling
Comparisons

CE mark
UKCA mark

EU DoC
UK DoC

EU Importer details
UK Importer details

UKCA for Great Britain



**UK
CA**

CE mark into Great Britain?



CE



**UK
CA**

CE marked equipment into GB

CE marked
to RED

Equipment
into GB

- Last year I said this:
- CE marked **radio equipment** permitted into Great Britain
 - CE mark accepted until 31 December 2024
- UKCA mark for Great Britain from 1 January 2025

CE marked equipment into GB

CE marked
to RED

Equipment
into GB

- **This** year I say this:
- CE marked **radio equipment** permitted into Great Britain
 - CE mark accepted without any end date
- UKCA mark for Great Britain not mandatory
- ...I am talking about Radio Equipment (RED)

Directives/Regulations – Accepted

CE marked
equipment
into GB

Without
UKCA mark

- Radio Equipment
- Electromagnetic Compatibility
- Low Voltage Electrical Equipment
- Measuring Instruments
- Recreational Craft
- Equipment for Outdoor Use
- Measuring Container Bottles
- Pressure Equipment
- Personal Protective Equipment
- Simple Pressure Vessels
- Non-Automatic Weighing Instruments
- UKEX
- Toy Safety
- Eco-Design
- RoHS
- Machinery
- Gas Appliances
- Civil Explosives
- Lifts
- Aerosols
- Pyrotechnics

Directives/Regulations – **Not Accepted**

UKCA mark
Required

- Medical Devices
- Construction Products
- Rail Products
- Cableways
- Transportable Pressure Equipment
- Marine Equipment
- Unmanned Aircraft Systems

Details

Legal status of
this information

- Existing legal text still says 31 December 2024
- “Proposal” by UK Government
- New legal text expected in “Spring 2024”
 - (In UK, Spring is March to May?)
- Unknown if those other regulations will be added later

Comments

Comments

- UK based importer details still needed
 - Expect this in the legal text (Spring 2024)
- UKCA mark and CE marks can be used together for Great Britain, if mixed regulations exist
- Let's look at some examples...

UKCA mark used by choice

UKCA mark
used by
manufacturer's
choice

- UKCA mark used for all UK regulations
 - UK DoC lists all the regulations
- Product might also have the CE mark
 - Because it is also going to the EU

CE mark used because it can

CE mark
used by manufacturer
because they can

- All Regulations are on the accepted list of 21
 - For example:
 - Radio Equipment Directive
 - RoHS Directive
 - Eco-Directive
- All these are accepted by the UK into Britain
- UKCA mark and UK DoC is not needed

CE mark used when it can

CE mark
used by manufacturer
when they can

- Some Regulations are on the accepted list of 21
 - For example (after 2028):
 - Radio Equipment Directive
 - RoHS Directive
 - Medical Devices Regulation
- Not all are accepted by the UK into Britain
- CE mark used for all Directives
- UKCA mark also used for Medical Devices
- EU and UK DoCs supplied

Other UK Activities



UK Cyber Activities

- PSTI (Cyber Security) for UK
 - Product Security and Telecoms Infrastructure
 - Applies to connected consumer IoT into UK
 - **From 29 April 2024**
 - Wireless and wired
 - Internet connected
 - Networked

<https://www.gov.uk/government/publications/the-uk-product-security-and-telecommunications-infrastructure-product-security-regime>



UK Cyber Activities

- PSTI (Cyber Security) for UK
 - Based on parts of EN 303 645
 - Unique password for each unit
 - Process for user to inform manufacturer about cyber security issue
 - Manufacturer procedure to fix security issue
 - Manufacturer to state product support period



UK Cyber Activities

- PSTI (Cyber Security) for UK
 - Not linked to UKCA (or CE) marking
 - (Therefore, not affected by CE acceptance)
 - Statement of compliance with the product
 - Manufacturer to sign the statement (like DoC)
 - Importer and Distributor responsibilities
 - Regulation has significant enforcement £ penalties
 - Very different to EU RED Cyber requirements



WE MAKE
CERTAIN

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