

TOPAS

Traffic Open Products and Specifications

Product Registration - Guidance for Technical Assessors

BULLETIN 007 (14/08/23)

1. CE/CA Marking
2. Electromagnetic Compatibility (EMC) – UK Electromagnetic Compatibility Regulations 2016
3. Low Voltage (LVD) – Low Voltage Electrical Equipment (Safety) Regulations 1989
4. Radio Emissions (RED) – Radio Equipment Regulations 2017
5. Construction Products (CPR) – Construction Products Regulation – **EU Mandate 111**
6. General requirements

1. Re :CE/CA Marking (revised)

Please note that the government requirement to remove CE marking in the UK has been delayed indefinitely following a statement from BEIS. However, please note that currently in relation to CPR this remains at June 2025.

Therefore, final products requiring applicable marking under UK law, including EMC, LVD, and RER as provided by legislation or Annex ZA to a specified standard, should be CE and/or CACA marked.

Applicants should seek confirmation of the terms of this requirement through the gov.uk website.

2. Electromagnetic compatibility

This applies to any electrical or electronic apparatus that is not deemed to be 'simple'. As the specification list currently stands it would apply for every product or system in the TOPAS portfolio except passively safe hardware.

3. Low Voltage

In the context of TOPAS, low voltage means operation from 230Vac mains supplies. Technically voltages above 50Vac or 90Vdc are LV, below this they are ELV. Increasingly most TOPAS equipment is ELV so the LVD will not apply. Product data sheets, specifications and manuals should define the operating voltage or voltages. If these exceed the 50Vac/90Vdc limits, then LVD applies.

4. Radio Emissions

Any equipment that intentionally transmits or receives wirelessly falls into this category. Radar or microwave based detection, and inductive loop detection would both require RER, and any item of equipment that uses a wireless link, e.g. wifi either between units (such as portable traffic signals 2540) or for set up and configuration, such as many detectors to 2505/06/07, some traffic signal controllers 2500, would require this. Any reference in a user manual, set-up guide, etc that talks about wifi, or bluetooth, warrants asking about RER. TOPAS produced a briefing note on this topic which can be found on the website. [TOPAS-Guidance-on-the-UK-Radio-Equipment-Regulations-A-Final.pdf \(topasgroup.org.uk\)](https://www.topasgroup.org.uk/Guidance-on-the-UK-Radio-Equipment-Regulations-A-Final.pdf)

5. Construction Products

For the purposes of TOPAS, this means all products that are listed in the EU Mandate 111 for Construction Products. This includes all permanent products that have an EN standard with a ZA annex attached. However, you should note that whilst the EU standards relate only to permanent products, the UK, under TSRGD, expects that portable/mobile products should also meet the same requirements. The only difference is that they will not be able to CE/CA mark to the CPR. Applicants must therefore produce alternative evidence of meeting the requirements of those standards and the UK National Annexes.

For the avoidance of doubt the UK National Annex of EN 12966 appears in the standard, and is called up in TSRGD. Whereas the UK Annex for EN 12368 is only found in TSRGD and must be met in all areas stated by permanent and portable/mobile products:

VMS – UK reference BS EN 12966
Traffic Signals – UK reference BS EN 12368

Other standards may also be identified through the mandate and you are advised to check this.

6. General requirements

All registrations must comply with UK legislation. The Applicant must satisfy themselves that they meet the requirements of all relevant UK legislation. This includes requirements of TSRGD and all applicants should be aware of TSRGD and its ancillary documents – eg Traffic Signs Manual.

Where there is a UK National Annex for any EU standard, whether it appears as part of the TSRGD or appears appended to the EU standard, any classes stated as required by the UK **MUST BE** evidenced as being met by the applicant. It is not sufficient to provide evidence through the CE marking DoC unless it clearly states the classes met, which must be those called up in the National Annex.

If you are not clear what these are, you should appraise yourself with TSRGD and the appropriate standards identified in TOPAS specifications.

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