



BSI Standards Publication

# **Requirements for aerosol filters used in nuclear facilities against specified severe conditions**

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Part 1: General requirements

## National foreword

This British Standard is the UK implementation of ISO 23137-1:2024.

The UK participation in its preparation was entrusted to Technical Committee MCE/21, Filters for gases and liquids.

A list of organizations represented on this committee can be obtained on request to its committee manager.

During the development of this standard, it was noticed that the proposed test method for filtration efficiency/decontamination was to ISO 29463-5:2022. The UK committee observed that this test is not used in the UK for HEPA filters in nuclear applications. The Office for Nuclear Regulation (UK's nuclear regulator), in its document NS-TAST-GD-022 ONR Technical Assessment Guide (TAG – guidance document for inspectors), recognizes the guidance and standards of the UK National Nuclear Ventilation Forum as a source of Relevant Good Practice (RGP). NS-TAST-GD-022 does reference the NNVF endorsed “Engineering Standard, Type Testing and Approval of High Efficiency Particulate Air (HEPA) Filters,” ES\_0\_1705\_2. It was therefore agreed in the working group that allowance could be made for nuclear operators to use standards and practices in accordance with their own national regulations. For filtration performance (particulate removal, Subclause 4.1.5) this is phrased ‘Depending on national regulations required by nuclear safety authorities, the filtration performances can also be specified according to approved national standards’. Similar phrases can be seen throughout ISO 23137-1, thereby allowing the UK nuclear industry to use its established practices.

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