



**BSI Standards Publication**

**Radiological protection – Medical electron  
accelerators – Requirements and recommendations  
for shielding design and evaluation**

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## National foreword

This British Standard is the UK implementation of EN ISO 16645:2019. It is identical to ISO 16645:2016.

The UK participation in its preparation was entrusted to Technical Committee NCE/2, Radiation protection and measurement.

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

BSI, as a member of CEN, is obliged to publish EN ISO 16645:2019 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval.

The UK committee was of the opinion that ISO 16645:2016 should not have been approved as a European standard because the defined requirements are only at the level of guidelines (very similar to, for example, NCRP 151). Instead of an analytical and unambiguous step-by-step approach to obtaining clearly defined wall and labyrinth dimensions for shields, ISO 16645:2016 merely provides an overview of the calculation methods and references to other reports and guidelines.

The UK committee considers that future versions of ISO 16645 should be developed in accordance with EU Directive 2013/59/Euratom.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

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### Amendments/corrigenda issued since publication

| Date | Text affected |
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