

Title	Model Code of Safe Practice Part 15: Area Classification Code for Installations Handling Flammable Fluids (ISBN 978 0 85293 418 0)
Publisher/Author	Energy Institute
Publication Date	2005
Scope	<p>Essential reading for HSE managers and all those involved in the hazardous area classification of installations handling flammable fluids, IP15 is a well-established, internationally accepted Code which includes a demonstrable methodology for specifying hazard radii. This new edition provides clarification on issues which have been raised by users of the 2nd edition published in 2002. It gives guidance on the classification of regions around equipment handling or storing flammable fluids, and provides a basis for both the correct selection of fixed electrical equipment and the location of other fixed sources of ignition in those areas.</p> <p>The guidance given in this Code is applicable internationally to installations in processing, distribution, production and retail sectors. It applies dispersion modelling to the calculation of hazard radii, taking into account variables such as pressure of release and the effect of mist or spray formation. The current methodology takes account of both the composition of the material released and its release conditions including the release pressure. The Code also provides a risk-based approach for specifying hazardous areas from secondary grade sources of release, allowing further flexibility in specifying hazard radii. Whilst the Code includes the basis of the risk-based approach, the full methodology is provided in a separate publication: A risk-based approach to hazardous area classification.</p>