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The British code of practice for wind loads on buildings, CP 3: Chapter V: Part 2 has been prepared in 1972. The new code of practice, BS 6399: Part 2: 1995 is a technical revision of CP3, and it incorporates considerable advances made and experience gained in wind engineering over the years.

The new wind code gives two alternative methods for calculation of wind loads on buildings.

- a.) A Standard Method, which uses a simplified procedure.
- b.) A Directional Method, from which the simplified method was derived.

The directional method has increased complexity and needs much computational effort. The new code suggests that the directional method will be implemented principally by a computer. Thus there is a need for computer implementation of BS 6399.

Using Excel 97 we have developed a user-friendly worksheet to compute wind loads on buildings according to the new wind code, and this paper presents the methodology and details of the worksheet. Input to the worksheet are the basic wind speed, wind direction and terrain parameters, and basic data for the building. Output consists of modified wind speeds, wind pressure coefficients, and wind loads on parts of the building, for use by the structural engineer in the design of the building to resist wind loads. The worksheet is made user-friendly by employing special features of Excel 97 and visual Basic- its Macro language.