

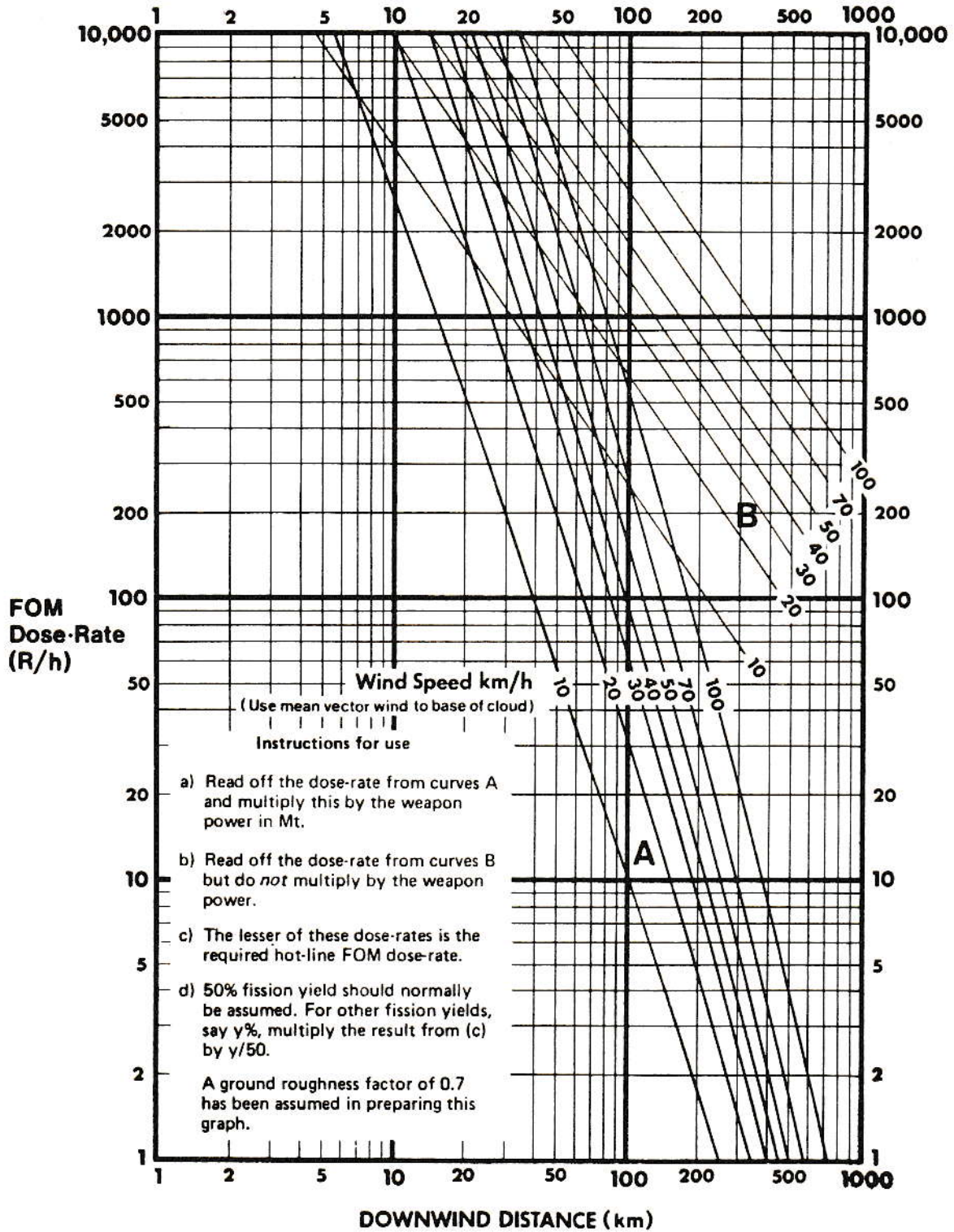
CALCULATION OF LIKELY DOSE-RATE AT VARIOUS LOCATIONSUSE OF GRAPHS E13, E14

1. Reference to Graph E13 shows how it is possible to calculate the likely maximum dose-rate on the hot-line at various distances from Ground Zero for a 1 M Ground Burst Weapon. (For other yields the dose-rate must be multiplied accordingly, eg: for a 3 M weapon multiply by 3, for a 500K weapon multiply by 1/2.)
2. The dose-rate at that distance decreases from the hot-line until, at the edges of the plume, the dose-rate is NIL. By careful assessment of the position of the chosen location in relation to the hot-line and the plume edge, it should be possible to make a reasonably accurate assessment of the likely maximum dose-rate at that location.
3. By following the procedures outlined above and by referring to Graph E14, it is possible to assess DR7 values for various locations.

HOT-LINE FOM DOSE-RATE

**HOT LINE FOM DOSE-RATE**

For a 1Mt, 50% fission yield, groundburst bomb for different wind speeds.



**HOT LINE DR7**

For a 1Mt, 50% fission yield, groundburst bomb, for different wind speeds.

