

5.1 Purpose and Scope

The purpose of this chapter is to provide specifications and guidance to individuals who have responsibilities for acquiring, installing, and integrating computer workstations. These individuals need to recognize and understand the interdependencies among the individual workstation components.

The scope of this chapter covers the configuration of workstation hardware components, lighting, acoustics, temperature, ventilation, and product emissions.

Specifications as to the design of individual hardware components are not presented in this chapter. The reader is directed to use Chapter 6, Input Devices; Chapter 7, Visual Displays; and Chapter 8, Furniture, as companion specifications when considering the design of the individual hardware components.

5.2 Design Specifications

5.2.1 GENERAL SPECIFICATIONS

This standard recognizes that VDT users frequently change their working postures to maintain comfort and productivity. Four reference postures are used in this standard to represent a range of postures observed at computer workstations (see Figure 5-1).

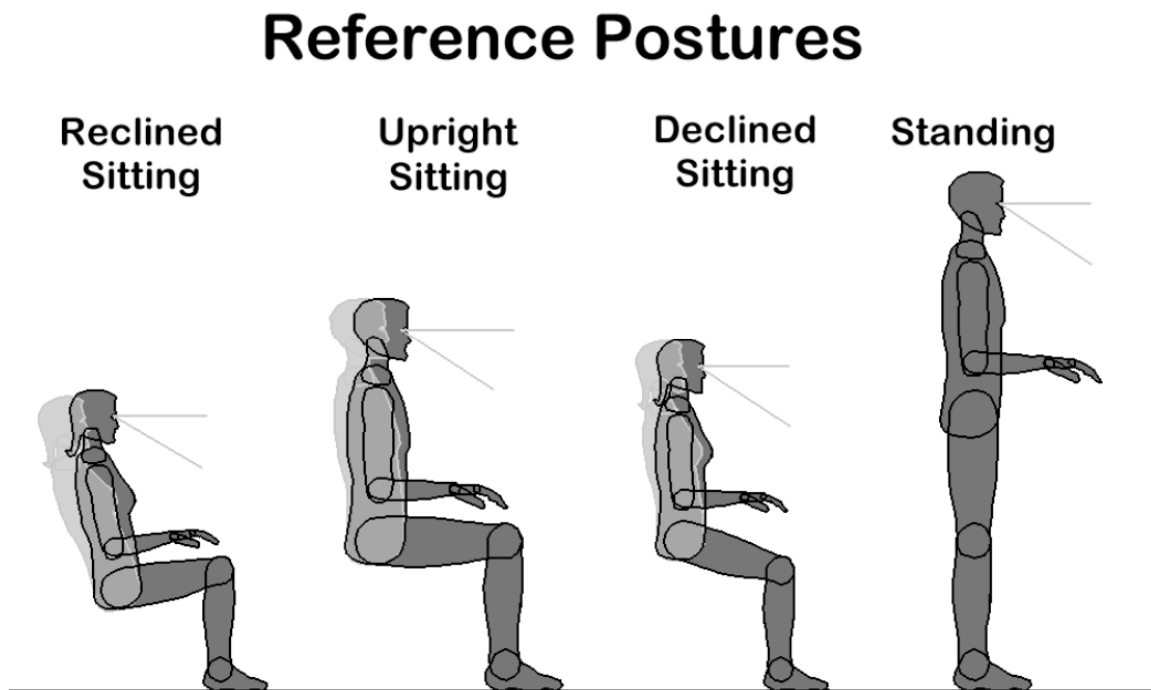


Figure 5-1. Reference postures for computer workstation users.

The four reference postures are characterized as the following:

Reclined sitting. In the reclined sitting posture, the user's torso and neck recline between 105 and 120 degrees to the horizontal.