

**• Stations**

A station is a unit of space occupied by one person to perform a given act, which can accommodate natural movements of head, shoulder, upper arms, forearms, hand, fingers, thighs, feet, etc. The space required for stations is a basis for specifying the entire setting. Pd station is specified with the locations, positions, dimensions, and shapes of everything that are confirmed by masked eyes (pd) tests.

**• Origin of measurements**

It is essential to determine the origin of coordinates for measurements of stations.

The origin of coordinates should be;

1. easy to apply to everyone
2. applicable everywhere
3. applicable all the time
4. common and permanent
5. easy and explicit for measurements

The origin of coordinates for measurements which satisfy the above requirements can be located at the intersection of a person and the earth's surface which supports that person, i.e. the floor, in each station.

**• Measurements of Stations**

Gravity is the common and primary restraint which all people share on earth. Dimensions of each station are determined based on measurements of acts and movements of a human being in X, Y and Z in reference to common principles of human performance derived from our relationship with gravity.

**• Area**

An area is a 3-dimensional unit of space, which consists of multiple stations for associated acts and space necessary between stations for walkways.

**• Area types**

0. All areas: the complete setting
  1. information – reception (includes access and inter-area walkway space)
  2. information – dentist and hygienist
  3. treatment
  4. laboratory
  5. maintenance – human (staff)
  6. maintenance – setting (includes operator/positioned)
  7. machine centered – automated
  8. machine centered – requires operator/positioned
  9. unaccountable/unclassified