

APPENDIX E
FACIAL SEAL OF RESPIRATORS
(Normative)

E1 GENERAL Beard growth, some hairstyles and other facial features prevent an adequate seal between the wearer's face and the fitting surfaces of a facepiece or mouthpiece. Facial hair may also interfere with inhalation and exhalation valve operation. Male wearers in particular shall be made aware of the general rules in Paragraphs E2 to E6.

E2 BEARDS Bearded persons cannot expect to achieve adequate respiratory protection when wearing a full facepiece respirator or a half facepiece respirator. Accordingly, no one who requires respiratory protection shall attempt to wear either a full facepiece respirator or half facepiece respirator over a beard.

E3 MOUSTACHES Moustaches may spoil the fit of a half facepiece respirator and may interfere with the peripheral seal of a full facepiece respirator. Moustaches should not protrude beyond projected lines, drawn vertically from the corner of the mouth.

E4 SIDEBURNS When a full facepiece is being worn, sideburns shall not extend below a line drawn through the top of the tragus (the notch in the cartilage of the ear just above and immediately in front of the earhole) and the canthus (corner) of the eye. This line is illustrated in Figure E1.

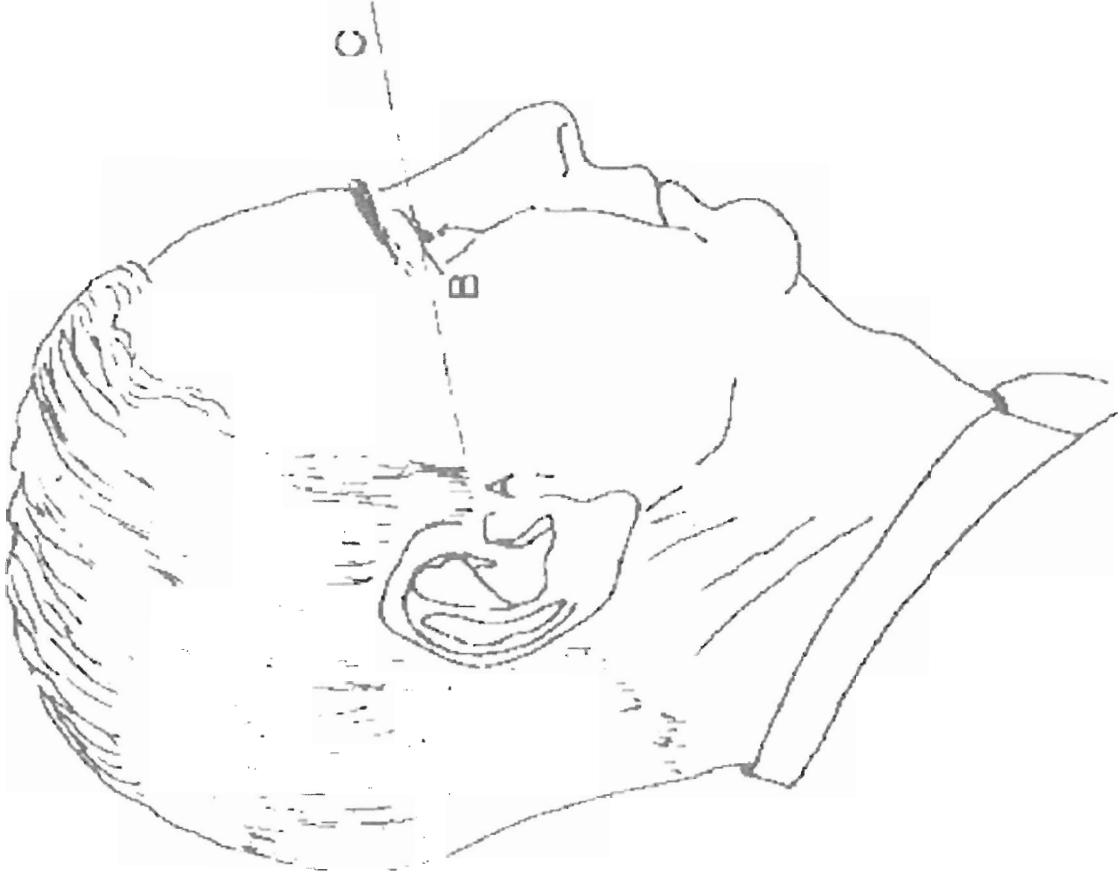
E5 STUBBLE GROWTH AND LONG HAIR Stubble growth, depending on its length and stiffness, interferes to some degree with proper sealing of a facepiece and it is necessary that male wearers of respirators shave daily.

When the hair is worn long, particular care should be taken to ensure that none is trapped beneath the fitting surface.

E6 MOUTHPIECE AND NOSE CLIP A mouthpiece and nose clip may not provide adequate respiratory protection to a bearded person.

When the person at risk has a 'bushy' facial hairstyle, hair trapped between the lips and mouthpiece may prevent a satisfactory seal being obtained.

Because of the varying amount of cartilage in the noses of individuals, there is the added difficulty of obtaining a satisfactory seal of the nasal passages with a nose clip. This problem is worsened by the presence of perspiration which may cause difficulty in maintaining the nose clip in position.



LEGEND:

A = notch in the cartilage of the ear

B = canthus of the eye

C = line below which the sideburns should not extend