



Collecting Personal Identifiers

PHOTOGRAPHS

HEAD POSITION AND SIZE

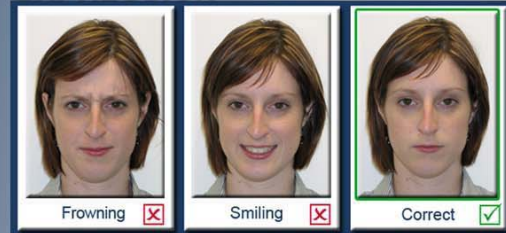
The position and size of the clients head matches the diagram below



POSE



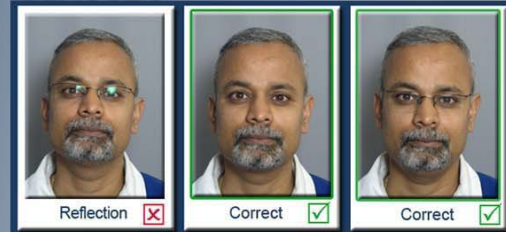
EXPRESSION



ACCESSORIES



GLASSES



HAIR



EXPOSURE



RELIGIOUS ATTIRE



SHADOWING



DIAC STANDARDS & REQUIREMENTS FOR CAPTURING BIOMETRIC QUALITY FACIAL IMAGES – QUICK REFERENCE GUIDE

What to include in the facial image

The facial image must include:

- the full head including hair
- neck and shoulders
- both eyes (opened)
- nose, and
- mouth (closed).

Exception: Large volume of hair

A very large volume of hair means that all hair cannot be included in the facial image. It is acceptable not to include all the hair in the facial image as long as all other standards are met.

What NOT to include in the facial image

- other people or parts of other people
- objects, such as furniture and drinking glasses
- hair covering eyes, or
- a hat or scarf or any other item that obscures their face, hair or neck.

Pose

The subject must be facing towards the camera. There must be less than five degrees rotation of the head in any direction. The person must not be looking up or down, or to either side, or have their head tilted to the side.

Expression

The expression must be neutral, with both eyes open, mouth and lips closed. Both eyes must be looking at the camera.

Unacceptable Expressions

Examples of expressions that are not acceptable include:

- a smile or other expression where the jaw is open and the inside of the mouth is visible
- raised eyebrows
- closed eyes
- eyes looking away from the camera
- squinting, and
- frowning.

Exposure

Over or under exposure means the image is being subject to poor light, resulting in the facial image being too light or too dark.

Colour

The colours in the facial image must not appear unnatural but should accurately represent the actual colours of the subject.

Red-eye

Red-eye is caused when a flash light reflects back from the retina of the person's eye leading to the appearance of red irises.

Lighting in a biometric facial image

The following are standards for lighting in a biometric facial image:

- the whole face must be lit evenly
- there must be no shadows on the face, under the chin or on the background
- there must be no hotspots on the nose or balding head
- the light must not be coloured, and there must be no dominant direction of the light.

Technical & Photography Standards

- Resolution (width x height): 480 x 640 *pixels with vertical orientation.*
- Format JPEG (Joint Photographic Expert Group) facial image format.
- Compression level: *Fine* (high JPEG compression).
- File size must be no larger than 500 kb.
- Subject must be positioned as close as possible to a neutral 18% gray background with a smooth surface.
- Ambient lighting should be as bright as possible.
- Camera must be level and the lens must be pointing straight at subject.
- Distance from centre of subject's head to camera lens should be 1.4 meters.
- Distance from floor to bottom of camera should be 1.2 meters.
- Colour bit depth should be 24 bit – ie 8 bit per RGB channel.
- Standard EXIF (Exchangeable image file format) metadata should be stored with the image.

For further information, please contact the Identity Services Helpdesk on (02) 6225 6539 or by e-mailing the Help Desk mailbox at:
identity.services@immi.gov.au