

Identity Authentication Assurance Levels and Verification and Evidence of Identity

The Queensland Government Chief Information Office (QGCIO), Department of Public Works has given permission for the Department of Education and Training to publish the following information extracted the *Queensland Government's Authentication Framework*. The complete Framework is located on QGCIO's web site at <http://www.qgcio.qld.gov.au/qgcio/architectureandstandards/qgea2.0/Pages/azqgeadocs.aspx>

Identity Authentication Assurance Levels

Five levels of *Authentication Assurance* are to be maintained in order to provide adequate security and confidence of client transactions and information. To achieve these assurance levels there is a requirement to implement *Identity Authentication Assurance Levels (IAAL)*. Each subsequent IAAL delivers increasing levels of confidence in the authentication mechanism. The five IAALs outlined in QGAF are as follows:

Identity Authentication Assurance Level	Confidence Provided	Description
IAAL-4	High confidence	The highest practical authentication assurance is required. Generally requires that biometrics are being used, adding a third factor to the authentication process.
IAAL-3	Moderate confidence	A moderate level of confidence in the authentication mechanism is required. Strong cryptographic authentication mechanisms must be used. Generally speaking this level of authentication will require two factors.
IAAL-2	Low confidence	A low level of confidence in the authentication mechanism is required. The mechanism needs to prevent common forms of attack, such as: eavesdropper, replay, and online guessing attacks. For example, a password over an encrypted link. However, strong cryptographic authentication is not mandatory.
IAAL-1	Minimal confidence	Authentication is performed, but there is little assurance placed upon it. For example, a challenge-response password mechanism.
IAAL-0	No confidence	No authentication is performed. Included for completeness only, but does not represent any authentication process.

Identity Authentication Assurance Levels and Verification and Evidence of Identity

Verification and Evidence of Identity (based on National Proof of Identity (POI) Framework)

Evidence of Identity	Cat.	Description	Examples
Commencement of Identity	A&B ¹	High value evidence of identity documents usually with person's signature and photograph.	A <ul style="list-style-type: none"> • Australian Birth Certificate (full) • Australian Citizenship Certificate or Naturalisation Certificate • Australian Passport (current or expired < 2 years) • Foreign Passport (current or expired < 2 years) • Dept Immigration Travel document (valid up to 5 years) • Dept Immigration Cert of Evidence of Resident Status • Aust Photo Driver Licence (current or expired < 2 years) • Aust Defence Force (excluding Civilian) Photo Identity Card • State or Federal Police Officer Photo Identity Card • State Card 18+ (issued after 01/01/1992) • State Transport Driver Authorisation (current or expired < 2 years) • State Transport Rider or Driver Trainer Accreditation (current or expired < 2 years)
			B <ul style="list-style-type: none"> • Medicare Card • Plastic Financial Institution Debit / Credit Card with signature and embossed name • Education Institution Student Identity Document (must include photo and signature) • Dept of Veterans' Affairs / Centrelink Pensioner Concession Card (including Health Care Cards) • Australian-issued Security Guard / Crowd Controller Licence (with photo) • Australian-issued Firearm Licence (with photo)
Operating in community documents	C ²	Documents that indicate person is an active participant on the community.	<ul style="list-style-type: none"> • Recent utility bill • rates notice • video club membership card showing name and address
Evidence of Identity's residential address	D ³	Documents that indicate a person's residential address	<ul style="list-style-type: none"> • Rates Notice • Mortgage papers • lease or tenancy agreement • utility account
Third party corroboration	N/A	Evidence that person exists and /or evidence person is who they claim to be. The third party is any party known and trusted by person carrying out the registration who can verify the person's identity. Must be impartial and independent	Statement from principal of a school, teacher, barrister, policeman

¹ Certified copies by a Justice of the Peace or Commissioner of Statutory Declarations are acceptable.

² Category C cannot be used to verify identity under the Queensland Government Authentication Framework

³ Category D cannot be used to verify identity under the Queensland Government Authentication Framework

Identity Authentication Assurance Levels and Verification and Evidence of Identity

Required Evidence of Identity

IDENTITY REGISTRATION ASSURANCE LEVEL (IRAL) 0:None					
Evidence Types	Valid combination Category				Currency
Documents	CAT A	CAT B	CAT A or B	Total Documents Required	N/A
Commencement of Identity	n/a	n/a	n/a	n/a	
Operating in Community	n/a	n/a	n/a	n/a	
Evidence of Identity's Residential Address	n/a	n/a	n/a	n/a	
<i>Comment:</i> No registration process, no evidence required.					
IDENTITY REGISTRATION ASSURANCE LEVEL (IRAL) 1: Minimal					
Evidence Types	Valid combinations				Currency
Documents	CAT A	CAT B	CAT A or B	Total Documents Required	N/A
Commencement of Identity	n/a	n/a	n/a	n/a	
Operating in Community	n/a	n/a	n/a	n/a	
Evidence of Identity's Residential Address	n/a	n/a	n/a	n/a	
<i>Comment:</i> Self registered or pseudonymous registration, no evidence required					
IDENTITY REGISTRATION LEVEL (IRAL) 2: Low					
Evidence Types	Valid combinations				Currency
Documents	CAT A	CAT B	CAT A or B	Total Documents Required	=or < than 3 years
Commencement of Identity	1	1		2	
Operating in Community					
Evidence of Identity's Residential Address					
IDENTITY REGISTRATION ASSURANCE LEVEL (IRAL) 3: Moderate					
Evidence types	Valid combinations				Currency
Documents	CAT A	CAT B	CAT A or B	Total Documents required	=or < 3 years
Commencement of Identity	1	1	1	3	
Operating in Community					
Evidence of Identity's Residential Address					
<i>Comment:</i> A minimum of three (3) documents that provide a link between the legal existence of the person and the identity they use, and they must agree in terms of the details provided. These documents must include at least 1 x Category (A) + 1 x Category (B) + 1 x Category (A or B) document. Recommended to check on the authenticity of at least one category A document. Only original documents can be accepted as proof, not photocopies.					
IDENTITY REGISTRATION ASSURANCE LEVEL (IRAL) 4: High					
Evidence Types	Valid combinations				Currency
Documents	CAT A	CAT B	CAT A or B	Total Documents required	=or < 3 years
Commencement of Identity	2		1	3	
Operating in Community					
Evidence of Identity's Residential Address					
<i>Comment:</i> A minimum of three (3) documents that provide a link between the legal existence of the person and the identity they use. These documents must include at least 2 x Category (A) + 1 x Category (A or B) document. Checking on the authenticity of documents (i.e. check to source) for at least one and preferably two Category A document is recommended. Only original documents can be accepted as proof, not photocopies.					