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Directive on Identity Management - Appendix A: Standard on Identity and Credential Assurance

Note to reader

The Standard on Identity and Credential Assurance took effect on July 1, 2019. It replaced the Standard on Identity and Credential Assurance that was in effect from February 1, 2013 to June 30, 2019.

Appendix A. Standard on Identity and Credential Assurance

A.1 Effective date

- A.1.1 This standard takes effect on July 1, 2019.
- A.1.2 This standard replaces the Standard on Identity and Credential Assurance, dated February 1, 2013.

A.2 Standards

- A.2.1 This standard provides details on the requirements set out in subsection 4.1.7 of the Directive on Identity Management.

A.2.2 Standards are as follows:

Identity assurance levels

- A.2.2.1 **Level 4:** very high confidence required that an individual is who they claim to be;
- A.2.2.2 **Level 3:** high confidence required that an individual is who they claim to be;
- A.2.2.3 **Level 2:** some confidence required that an individual is who they claim to be; and
- A.2.2.4 **Level 1:** little confidence required that an individual is who they claim to be.

Credential assurance levels

- A.2.2.5 **Level 4:** very high confidence required that an individual has maintained control over a credential that has been entrusted to them and that the credential has not been compromised;
- A.2.2.6 **Level 3:** high confidence required that an individual has maintained control over a credential that has been entrusted to them and that the credential has not been compromised;
- A.2.2.7 **Level 2:** some confidence required that an individual has maintained control over a credential that has been entrusted to them and that the credential has not been compromised;

A.2.2.8 Level 1: little confidence required that an individual has maintained control over a credential that has been entrusted to them and that the credential has not been compromised.

A.2.3 The minimum requirements for establishing an identity assurance level are shown in Table 1.

A.2.3.1 Ensure that the minimum requirements are met, or appropriately manage the related risks.

Table 1: minimum requirements for establishing an identity assurance level

Requirement	Level 1	Level 2	Level 3	Level 4
Uniqueness	<ul style="list-style-type: none"> Define identity information Define context 			
Evidence of identity	<ul style="list-style-type: none"> No restriction on what is provided as evidence 	<ul style="list-style-type: none"> One instance of evidence of identity 	<ul style="list-style-type: none"> Two instances of evidence of identity (at least one must be foundational evidence of identity) 	<ul style="list-style-type: none">

Requirement	Level 1	Level 2	Level 3	Level 4
Accuracy of identity information	<ul style="list-style-type: none"> Acceptance of self-assertion of identity information by an individual 	<ul style="list-style-type: none"> Identity information acceptably matches assertion by an individual and evidence of identity, and Confirmation that evidence of identity originates from an appropriate authority 	<ul style="list-style-type: none"> Identity information matches assertion by an individual and all instances of evidence of identity, and Confirmation of the reliability of evidence of identity, using an authoritative source, and Confirmation that supporting evidence of identity originates from an appropriate authoritative source <p>Whenever any of the above can be applied:</p> <ul style="list-style-type: none"> inspection by trained personnel 	
Linkage of identity information to individual	<ul style="list-style-type: none"> No requirement 	<ul style="list-style-type: none"> No requirement 	<p>At least one of the following:</p> <ul style="list-style-type: none"> knowledge-based confirmation biological or behavioural characteristic confirmation trusted referee confirmation physical possession confirmation 	<p>At least two of the following:</p> <ul style="list-style-type: none"> knowledge-based confirmation biological or behavioural characteristic confirmation trusted referee confirmation physical possession confirmation

A.2.4 Assurance levels for trusted digital identities when participating in an approved trust framework are as follows:

A.2.4.1 Level 4: very high confidence required in the electronic representation of a person, used

exclusively by that same person;

A.2.4.2 **Level 3:** high confidence required in the electronic representation of a person, used exclusively by that same person;

A.2.4.3 **Level 2:** some confidence required in the electronic representation of a person, used exclusively by that same person; and

A.2.4.4 **Level 1:** little confidence required in the electronic representation of a person, used exclusively by that same person.

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