Title: Identity Assurance Framework: NIST SP 800-63A Service Assessment Criteria (SAC) & Statement of Criteria

Applicability (SoCA)

Document id: KIAF-1430

Version: 4.0

Document type: Recommendation

Publication Date: 2020-10-15 **Effective Date:** 2021-02-01

Status: Final **Approval Authority:** IAWG

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Abstract: This Specification sets forth KI's Service Assessment Criteria for assessments against the requirements of NIST's

SP 800-63A as published 2017-12-01 (with errata) at IAL2 & IAL3, to be generally referred-to as the '63A_SAC'. It is anticipated that these criteria will be reviewed 12 months after publication, for any required re-expression,

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Though this document is structured with headers, footers etc. for document management purposes, the 63A_SAC and other criteria-related worksheets are not intended to be published in a printed page format, and hence 'Normal' View is recommended at all times.

KIAF-1430	SP 800-63A	A Service Assessment Criteria	- Revision History
Version	Date	Status	Summary of changes
Note re. vers		_	to be Non-Material shall be incremented by '0.1', whereas shall be raised to the next whole number.
v4.0	10/15/20	Final - Material changes - released for application	Addition of criteria to: 1) cover IAL3; 2) requirements on Federal Agencies and Relying Parties. Also, addition of explicit SoCA and SoC columns.
v3.1	2019-01-31	Final - Non-Material changes - released for application	Adoption within the 63A criteria set of certain 63 B_ SAC criteria which are twice-referenced from SP 800-63A for identity proofing purposes: 63A criteria introduced: 63A#1300 - '1380 inc.; 63A#2300 - '2380 inc.; 63A criteria amended (to now reference the above new criteria): #0380; 63A-T5-3#strg a) i) & ii), 63A-T5-3#supr a). Clarification of applicability of some specific criteria to specific modes of proofing: 63A criteria amended: #0360, #0370, #0380. Introduction of a column for Guidance. Addition of this revision history as a separate worksheet.
v3.0	2018-11-09	Final - Non-Material changes - released for application	Typo tidying and clarifications of some criteria's wording; alignment of -63A requirements to pre-existing CO_SAC criteria (re. risk management review period); amendment to applicable -63 B criteria: 63A criteria amended: #0090, #0100, #0110, #0140, #0350, 63A-T5-3#strg a) i) & ii), 63A-T5-3#supr a)
v2.0	2018-02-15	Final - Material changes - released for application	First release for application, following resolution of public comments on v1.0.
v1.0	14/12/2017	For Public review	Initial set of mature draft criteria.

NIST SP 800-63A (rev.3) SAC & SoCA v4.0	Applies to:		SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF OCUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IAL	CRITERION APPLICABILITY (SoCA)	Guidance
4.2 1 General Requirements Identity proofing SHALL NOT be performed to determine suitability or entitlement to gain access to services or benefits.	~	63A#0010	The CSP SHALL NOT perform identity proofing to determine suitability or entitlement to gain access to services or benefits.	× v	APPLICABILITY (SUCA)	This apparent prohibition need not preclude the collection, at the time of the collection of necessary proofing information, of additional information for post-proofing use so long as that additional information is not used during the proofing process.
4.2 2 General Requirements Collection of PII SHALL be limited to the minimum necessary to validate the existence of the claimed identity and associate the claimed identity with the applicant providing identity evidence for appropriate identity resolution, validation, and verification. This MAY include attributes that correlate identity evidence to authoritative sources and to provide RPs with attributes used to make authorization decisions.	~	63A#0020	The CSP SHALL limit collection of PII to the minimum necessary to validate and resolve the existence of the claimed identity uniquely in a given context, and to associate the claimed identity with the Applicant providing identity evidence for appropriate identity resolution, validation, and verification.	× ×		
4.2 3 General Requirements The CSP SHALL provide explicit notice to the applicant at the time of collection regarding the purpose for collecting and maintaining a record of the attributes necessary for identity proofing, including whether such attributes are voluntary or mandatory to complete the identity proofing process, and the consequences for not providing the attributes.	~	63A#0030	The CSP SHALL document and publish a Privacy Notice which describes its purposes in collecting and maintaining a record of the attributes necessary for identity proofing, including whether such attributes are voluntary or mandatory to complete the identity proofing process, and the consequences for not providing the attributes.	× ×		
4.2 3+ General Requirements	v	63A#0040	The CSP SHALL explicitly make its Privacy Notice available to the Applicant at the time of collection of the attributes necessary for the Applicant's identity proofing,	< v	,	
4.2 4 General Requirements If CSPs process attributes for purposes other than identity proofing, authentication, or attribute assertions (collectively "identity service"), related fraud mitigation, or to comply with law or legal process,	*	63A#0050	If the CSP processes attributes which it collects and stores for purposes other than identity proofing, authentication, or attribute assertions, related fraud mitigation, or to comply with law or legal process), it SHALL:	· ·		
4.2 4 General Requirements CSPs SHALL implement measures to maintain predictability and manageability commensurate with the privacy risk arising from the additional processing.	·	63A#0050 a)	document and apply predictability and manageability measures associated with those additional processes based on the results of its privacy risk assessment; (see 63A#0160)	· ·		
4.2 4 General Requirements When CSPs use consent measures,CSPs SHALL NOT make consent with these additional purposes a condition of the service.	-	63A#0050 b)	NOT make consent to processing of these additional attributes a condition of provision of the service.	· ·	,	
4.2 5 General Requirements The CSP SHALL provide mechanisms for redress of applicant complaints or problems arising from the identity proofing. These	✓	63A#0060	The CSP SHALL provide mechanisms to redress Applicant complaints or problems arising from their use of the identity proofing service.			
mechanisms SHALL be easy for applicants	✓	63A#0062	The CSP SHALL document and publish its redress mechansisms in a manner which is easy for Applicants to find and use.	✓ ∨		

NIST SP 800	-63A (rev.3) SAC &	SoCA v4.0		Applies to:			SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IAL	CRITERION APPLICABILITY (SoCA)	Guidance
		The CSP SHALL assess the mechanisms for their efficacy in achieving resolution of complaints or problems.	1		63A#0070	RA DC	The CSP SHALL review its redress mechanisms at least every 12 months and assess their efficacy in achieving resolution of complaints or problems, implementing corrective action when efficacy falls below defined thresholds of performance or accomplishment.	~	APPLICABILITY (SOCA)	
4.2 6	General Requirements	The identity proofing and enrollment processes SHALL be performed according to an applicable written policy	~		63A#0080		The CSP SHALL:	~	~	
4.2 6	General Requirements		~		63A#0080	a)	document in a Credential Policy (CrP) its identity proofing and enrollment policy/ies;	~	~	
4.2 6	General Requirements	Kantara note - see SP 800-63-3 definition of 'Authoritative Source'.	✓		63A#0080	b)	for each type of identity proofing offered (see 63A#0260), state which issuing and authoritative sources are used to prove identities;	~	~	
4.2 6	General Requirements		~		63A#0080	c)	state any eligibility requirements or limitations which it applies to the scope of Applicants to its identity proofing service, subject to such limitations not breaching the restriction placed by 63A#0010;	~	~	Moved from being the prior 63A#0050
4.2 6	General Requirements		✓		63A#0080	d)	publish its CrP such that it is available to members of the intended community (e.g. Applicants, Subscribers, Relying Parties,) before they are required to commit to signing-up to being a subject of the policy.	~	_	See also CO_SAC/CO#0090, if included in the assessment. Previously c) of this set.
4.2 6	General Requirements	or *practice statement* that specifies the particular steps taken to verify identities.	✓		63A#0090		The CSP SHALL document in its Credentialing Practices Statement (CrPS) the practices which it implements to fulfil its CrP intentions.	~	~	
4.2 6 0	General Requirements	The *practice statement* SHALL include control information detailing how the CSP handles proofing errors that result in an applicant not being successfully enrolled. For example, the number of retries allowed, proofing alternatives (e.g., in-person if remote fails), or fraud counter-measures when anomalies are detected.	✓		63A#0100		The CSP's CrPS SHALL reflect the structure of its CrP and SHALL include control information detailing how the CSP handles proofing errors or other circumstances that result in an Applicant not being successfully enrolled.	~	*	
4.2 7+ 0	General Requirements	The CSP SHALL conduct a risk management process, including assessments of privacy and security risks to determine:	✓		63A#0110		The CSP SHALL document both its risk management process (at least in the context of its identity proofing policy and practices) and the outcomes of applying that process.	~	~	
			✓		63A#0120		The CSP SHALL conduct its risk management process at least once every six months and whenever there is a material change to its CrP, and SHALL include assessment of privacy and security risks, accounting for:	~	_	
4.2 7 0	General Requirements	Any steps that it will take to verify the identity of the applicant beyond any mandatory requirements specified herein;	✓		63A#0120	a)	Any steps that it will take to verify the identity of the Applicant beyond any mandatory requirements specified herein;	~	~	
4.2 7 (General Requirements	The PII, including any biometrics, images, scans, or other copies of the identity evidence that the CSP will maintain as a record of identity proofing (Note: Specific federal requirements may apply.); and	✓		63A#0120	b)	The PII which the CSP shall collect and store (per its CrP), including any biometrics, images, scans, or other copies of the identity evidence that the CSP will maintain as a record of identity proofing; and	~	_	
4.2 7 (General Requirements	The schedule of retention for these records (Note: CSPs may be subject to specific retention policies in accordance with applicable laws, regulations, or policies, including any National Archives and Records Administration (NARA) records retention schedules that may apply).	√		63A#0120	c)	The CSP's Retention Schedule requirements for collected PII and associated records, accounting for applicable laws, regulations, contracts, and policies.	~	<u> </u>	
4.2 7	General Requirements	The CSP SHALL maintain a record, including audit logs, of	√		63A#0130		The CSP SHALL maintain a record, including audit logs, of:	~	<u> </u>	

NIST SP	800-63A (re	v.3) SAC &	SoCA v4.0		Applie	s to:			SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IA	L	CRITERION APPLICABILITY (SoCA)	Guidance
4.2	7 General Re	quirements		✓			63A#0130	a)	the type of identity proofing performed;	√	~	ATTEIOABIETT (COOA)	
4.2	7 General Re	•	all steps taken to verify the identity of the				63A#0130	b)	the types of and a unique reference to identity evidence collected from	+			
			applicant and [see e)]	✓					the Applicant in the proofing process;	✓	✓		
				ш				\sqcup		\bot			
4.2	7 General Re	equirements		✓			63A#0130	c)	PII or other responses collected from authoritative and/or issuing	✓	~		
4.2	7 (CHAIL as and the towns of identify.				63A#0130	-0	sources;	+			
4.2	7 General Re	equirements	SHALL record the types of identity				63A#U13U	a)	all steps taken to validate the identity evidence;				
			evidence presented in the proofing process. [see b)]	ľl						*	·		
4.2	7 General Re	auirements	[see b]]	1	-		63A#0130	ا م	all steps taken to verify the identity of the Applicant;	√	_		
4.2	7 General Re	•		/	-		63A#0130	f)	the outcome of each step, culminating in the final proofing result.	· /			
4.2	8 General Re		All PII collected as part of the enrollment	H	-		63A#0140	"	The CSP SHALL protect all PII collected as part of the enrollment	Ť	_		
7.2	Generalike	quirements	process SHALL be protected to ensure				03/1//0140		process, including validation and verification sources used, to ensure its				
			confidentiality, integrity, and attribution of	~					confidentiality, integrity, and attribution of the information source.	~	~		
			the information source.										
4.2	9 General Re	quirements	The entire proofing transaction, including				63A#0150		The CSP shall use authenticated protected channels during the entire				
			transactions that involve a third party,						proofing transaction, including exchanges with third parties.				
			SHALL occur over an authenticated							·	~		
			protected channel.										
4.2	10 General Re	equirements	In the event the CSP uses fraud mitigation				63A#0160		IF the CSP uses fraud mitigation measures, it SHALL include these				
			measures, the CSP SHALL conduct a privacy						measures in its privacy risk assessment for these mitigation measures.				
			risk assessment for these mitigation										
			measures. Such assessments SHALL include										
			any privacy risk mitigations (e.g., risk	/						/	~		
			acceptance or transfer, limited retention,										
			use limitations, notice) or other										
			technological mitigations (e.g.,										
			cryptography), and be documented per										
4.2	11 General Re	auiromonto	requirement 4.2(7) above. In the event a CSP ceases to conduct	H		-	63A#0170		The CSP SHALL define the practices in place for fully disposing of or	+			
4.2	11 General Re	quirements	identity proofing and enrollment processes,				03A#U17U		destroying any sensitive data including PII, or its protection from				
			the CSP SHALL be responsible for fully						unauthorized access for the duration of retention. Specific details of				
			disposing of or destroying any sensitive	/					these practices must be made available.	/	/		
			data including PII, or its protection from						these practices must be mude available.				
			unauthorized access for the duration of										
			retention.										
4.4.1.2	Evidence C	Collection	The CSP SHALL collect the following from				63A#0180	П	The CSP SHALL collect from the Applicant at least the following				
(IAL2)	Requireme	ents	the applicant:	✓					strength of evidence, as determined by the further requirements in	✓			
									Table 5-1:				
4.4.1.2	1 Evidence C	Collection	One piece of SUPERIOR or STRONG				63A#0180	а	One piece of STRONG evidence IF the evidence's issuing source,				
(IAL2)	Requireme	ents	evidence if the evidence's issuing source,)	during its identity proofing event, confirmed the claimed identity by				
			during its identity proofing event, confirmed						collecting two or more forms of SUPERIOR or STRONG evidence AND				
			the claimed identity by collecting two or	1					the CSP validates the evidence directly with the issuing source; OR	1			
			more forms of SUPERIOR or STRONG										
			evidence and the CSP validates the										
			evidence directly with the issuing source;										
4.4.1.2	2 Evidence C	Collection	Two pieces of STRONG evidence; OR	\vdash	-		63A#0180	h	Two pieces of STRONG evidence; OR	+			
(IAL2)	Requireme		I wo pieces of 3 frond evidence, Or	✓			U3M#U16U)	Two pieces of STNOING evidence, On	✓			
4.4.1.2	3 Evidence C		One piece of STRONG evidence plus two	\vdash			63A#0180	<i>c</i>)	One piece of STRONG evidence plus two pieces of FAIR evidence.	\forall			
(IAL2)	Requireme		pieces of FAIR evidence.	✓			55/1//0100	'	one piece of a more evidence plus two pieces of min evidence.	√			
4.4.1.2	Evidence C			H			63A#0190	Ħ	The CSP SHALL document its justification, for each form of evidence it	$\dagger \dagger$			
(IAL2)	Requireme			ارا					recognises and collects in fulfilling its CrP and these criteria, of how the				
` ′				'					strength of the evidence it collects satisfies the qualities identified in	'			
									Table 5-1 [see worksheet 63A_T5-1].				
				Ш				ш	TUDIE 3-1 [SEE WORKSNEET B3A_T5-1].	ш			

NIST SP	800	-63A (rev.3) SAC &	SoCA v4.0		Applies to				HOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF	14	AL.	CRITERION	Guidance
					пррисэ со	KAN		DOC	CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	- "		APPLICABILITY (SoCA)	Guidance
4.4.1.3 (IAL2)		validation Requirements	The CSP SHALL validate identity evidence with a process that can achieve the same strength as the evidence presented. For			63A#0200	, 		The CSP SHALL, at a minimum, validate identity evidence at the same strength as that at which the evidence was collected.				
			example, if two forms of STRONG identity evidence are presented, each piece of evidence will be validated at a strength of	V							Ý		
			Kantara-specific requirement			63A#0210)		The CSP SHALL document its justification, for each form of evidence it				
				✓					recognises and collects in fulfilling its CrP and these criteria, of how the strength of validation of the evidence it collects satisfies the qualities identified in Table 5-2 [see worksheet 63A_T5-2].	✓	1		
4.4.1.3 (IAL2)	\	Validation Requirements	Training requirements for personnel validating evidence SHALL be based on the policies, guidelines, or requirements of the CSP or RP.	√		63A#0220)		The CSP SHALL document its policies, guidelines, and requirements for the training of personnel validating evidence	~	· 🗸		
4.4.1.4 (IAL2)			At a minimum, the applicant's binding to identity evidence must be verified by a process that is able to achieve a strength of STRONG.	~		63A#0230)		The CSP SHALL, at a minimum, verify the Applicant's binding to the identity evidence at a strength of STRONG;	~			
4.4.1.4 (IAL2)		Verification Requirements	Knowledge-based verification (KBV) SHALL NOT be used for in-person (physical or supervised remote) identity verification.	✓		63A#0240)		Knowledge-based verification (KBV) SHALL NOT be used for Supervised (In-person or Remote) identity verification.	~			
4.4.1.4 (IAL2)		Verification Requirements		√		63A#0250)		The CSP SHALL document its justification, for each form of evidence it recognises in fulfilling its CrP and these criteria, of how the strength of verification of the evidence it collects meets, at a minimum, the STRONG qualities identified in Table 5-3 [see worksheet 63A_T5-3].	~			
4.4.1.5 (IAL2)	F	Presence Requirement		√		63A#0260)		The CSP SHALL offer at least one of the following types of identity proofing and SHALL clearly state in its CrP which of those types it provides, describing clearly how requirements between multiple	~			Cf. 63A#0380 for IAL3
4.4.1.5 (IAL2)	F	Presence Requirement	The CSP SHALL support in-person or remote identity proofing. The CSP SHOULD offer	✓		63A#0260) a	1)	Supervised (In-person);	√			
4.4.1.5 (IAL2)	F	Presence Requirement	both in-person and remote proofing.	✓		63A#0260) b)	Supervised (Remote);	~			
4.4.1.5 (IAL2)	F	Presence Requirement		✓		63A#0260) c)	Unsupervised.	✓			
4.4.1.6 (IAL2)	2 /	Address Confirmation	The CSP SHALL confirm address of record. The CSP SHOULD confirm address of record through validation of the address contained on any supplied, valid piece of identity evidence. The CSP MAY confirm address of record by validating information supplied by the applicant that is not contained on any supplied piece of identity evidence.	~		63A#0270			The CSP SHALL validate and confirm the Applicant's address of record by relying only upon issuing source(s) or authoritative source(s).	✓	· .		
4.4.1.6 (IAL2)	3 /	Address Confirmation	Self-asserted address data that has not been confirmed in records SHALL NOT be used for confirmation.	✓		63A#0280)		The CSP SHALL NOT accept un-validated self-asserted addresses.	✓	· /		
4.4.1.6 (IAL2)	4	Address Confirmation	If CSP performs in-person proofing (physical or supervised remote):	√		63A#0290)		If the CSP performs Supervised (In-person or Remote) proofing it SHALL document the maximum validities it allows for enrollment codes and only issue codes that meet that limitation, which SHALL NOT exceed 7 days.	~	~		
4.4.1.6 (IAL2)	5	Address Confirmation	If the CSP performs remote proofing (unsupervised):	✓		63A#0300			If the CSP performs Unsupervised proofing it SHALL:	~			
4.4.1.6 (IAL2)	5 /	Address Confirmation	The CSP SHALL send an enrollment code to a confirmed address of record for the applicant.	✓		63A#0300) a	1)	send an enrollment code to a confirmed address of record for the Applicant;	~			

NIST SP	NIST SP 800-63A (rev.3) SAC & SoCA v4.0			Applies to:			THESE CRIT	SE CRITERIA SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF			CRITERION	Guidance
	<u> </u>			Applie	es to:			RA DC	OCUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IAL	APPLICABILITY (SoCA)	Guidance
4.4.1.6	5 Address Confirmation	The applicant SHALL present a valid				6	53A#0300	b)	require the Applicant to present a valid enrollment code to complete			
(IAL2)		enrollment code to complete the identity proofing process.	•						the identity proofing process;			
4.4.1.6	5 Address Confirmation	If the enrollment code is also intended to be				6	3A#0300	c)	If the enrollment code is also intended to be an authentication factor,	+ 1		
(IAL2)		an authentication factor, it SHALL be reset	✓						reset the code upon first use;	✓		
		upon first use.										
4.4.1.6	5 Address Confirmation	Enrollment codes SHALL have the following	/			6	3A#0300	d)	document the maximum validities it allows for enrollment codes and	1		
(IAL2)		maximum validities:						Ш	only issue codes that meet the following limitations:			
4.4.1.6	5 Address Confirmation	10 days when sent to a postal address of	✓			6	53A#0300	d) i	10 days, when sent to a postal address of record within the contiguous	✓		
(IAL2) 4.4.1.6	5 Address Confirmation	record within the contiguous United States; 30 days when sent to a postal address of			-	-	53A#0300	d) i	United States; i) 30 days, when sent to a postal address of record outside the	+		
(IAL2)	3 Address Committation	record outside the contiguous United States;	/			0	13A#U3UU	u) I	contiguous United States;	1		
(1712)		record outside the correspond office states,							conagaous omica states,			
4.4.1.6	5 Address Confirmation	10 minutes when sent to a telephone of	_			6	3A#0300	d) i	ii) 10 minutes, when sent to a telephone number of record (SMS or			
(IAL2)		record (SMS or voice);	•						voice);	ľ		
4.4.1.6	5 Address Confirmation	24 hours when sent to an email address of	✓			6	3A#0300	d) i	v) 24 hours, when sent to an email address of record.	1		
(IAL2)	5 4 11 6 6 11	record.					-24 // 0200	I,		+		
4.4.1.6 (IAL2)	5 Address Confirmation	The CSP SHALL ensure the enrollment code and notification of proofing are sent to				6	53A#0300	e)	ensure that the enrollment code and notification of proofing are sent to different addresses of record.			
(IALZ)		different addresses of record. For example,							to different addresses of record.			
		if the CSP sends an enrollment code to a										
		phone number validated in records, a	'									
		proofing notification will be sent to the										
		postal address validated in records or										
4.4.1.8	Security Controls	Obtained from validated and verified The CSP SHALL employ appropriately			-	-	53A#0310	H	The CSP SHALL employ appropriately-tailored security controls, to	+		
(IAL2)	Security Controls	tailored security controls, to include control				0	3A#U31U		include control enhancements, from the moderate or high baseline of			
(IALZ)		enhancements, from the moderate or high							security controls, as defined in SP 800-53 or equivalent federal (e.g.,			
		baseline of security controls defined in SP	~						FEDRAMP) or industry standards.	1		
		800-53 or equivalent federal (e.g.,										
		FEDRAMP) or industry standard.						Ш				
4.4.1.8	Security Controls	The CSP SHALL ensure that the minimum				6	3A#0320		When fulfilling criterion 63A#0310 the CSP SHALL ensure that the			
(IAL2)		assurance-related controls for moderate-	~						minimum assurance-related controls for moderate-impact systems or	1		
4.4.2	IAL2 Trusted Referee	impact systems or equivalent are satisfied.			-		53A#0330	+	equivalent are satisfied.	++		
4.4.2	proofing requirements	In instances where an individual cannot meet the identity evidence requirements				6	3A#U33U		CSPs SHALL identity-proof Trusted Referees according to the same criteria and , as a minimum, at the same IAL that are applied to			
	proofing requirements	specified in Section 4.4.1, the agency MAY							normal Applicants on whose behalf they act.			
		use a trusted referee to assist in identity	✓						, , , , , , , , , , , , , , , , , , , ,	~	1	
		proofing the applicant. See Section 5.3.4 for										
		more details.										
4.5.1	Resolution	Collection of PII SHALL be limited to the				6	3A#0340	ΙŢ	The CSP SHALL limit collection of PII to the minimum necessary to			
(IAL3)	Requirements	minimum necessary to resolve to a unique							validate and resolve the existence of the claimed identity uniquely in			
		identity record. This MAY include the	✓						a given context, and to associate the claimed identity with the		✓	
		collection of attributes that assist in data queries. See Section 5.1 for general							Applicant providing identity evidence for appropriate identity resolution, validation, and verification.			
		resolution requirements.							(See 63A#0020)			
4.5.2	Evidence Collection	The CSP SHALL collect the following from				6	3A#0350	H	The CSP SHALL collect from the Applicant at least the following			
(IAL3)	Requirements	the applicant:	✓						strength of evidence, as determined by the further requirements in		4	
									Table 5-1:			
4.5.2	1	Two pieces of SUPERIOR evidence; OR	✓			6	3A#0350	a)	Two pieces of SUPERIOR evidence; OR		<u>−</u>	
(IAL3)												

NIST SP 80	0-63A (rev.3) SAC &	SoCA v4.0		Applies to:	THESE CRI	TERIA :	SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF	IAI	,	CRITERION	Guidance
				Applies to:	KANTA	RA DO	CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IAI	L	APPLICABILITY (SoCA)	Guidance
4.5.2 2		One piece of SUPERIOR evidence and one			63A#0350	b)	One piece of SUPERIOR evidence and one piece of STRONG evidence				
(IAL3)		piece of STRONG evidence if the issuing	ı				IF the STRONG evidence's issuing source, during its identity proofing				
		source of the STRONG evidence, during its	ı				event, confirmed the claimed identity by collecting two or more				
		identity proofing event, confirmed the					forms of SUPERIOR or STRONG evidence AND the CSP validates the				
		claimed identity by collecting two or more	ľ				evidence directly with the issuing source; OR		•		
		forms of SUPERIOR or STRONG evidence	ı								
		and the CSP validates the evidence directly	ı								
		with the issuing source; OR									
4.5.2 3		Two pieces of STRONG evidence plus one			63A#0350	c)	Two pieces of STRONG evidence plus one piece of FAIR evidence.				
(IAL3)		piece of FAIR evidence.	'						~		
4.5.2		See Section 5.2.1 Identity Evidence Quality			63A#0355		Refer to Worksheet 63A_T5-1 as applicable for IAL3				
(IAL3)		Requirements for more information on	✓						~		
		accentable identity evidence									
4.5.3	Validation Requirements	The CSP SHALL validate identity evidence as	ı		63A#0360		The CSP SHALL, at a minimum, validate identity evidence at the same				
(IAL3)		follows:	L				strength as that at which the evidence was collected.				
		Each piece of evidence must be validated	'				(see 63A#0200 & #0210)		~		
		with a process that is able to achieve the									
4.5.3		See Section 5.2.2 Validating Identity	H		63A#0365	++	Refer to Worksheet 63A T5-2 as applicable for IAL3				
(IAL3)		Evidence for more information on validating			U3M#U3U3		NOTE: TO ANOTHER COME 13-2 to applicable for IMES				
(IALS)		_	ľl						*		
4.5.4 1		identity evidence.	H		63A#0370	₩	The CSP SHALL verify the Applicant's binding to the identity evidence				
		At a minimum, the applicant's binding to	ı		03A#U37U						
(IAL3)		identity evidence must be verified by a	✓				by a process which demonstrates a strength of SUPERIOR.[Inc. ref to		~		
		process that is able to achieve a strength of	ı				T5-3]				
		SUPERIOR.				++					25 22 112 22 25 21 22
4.5.5	Presence Requirements	The CSP SHALL perform all identity proofing	1		63A#0380		The CSP SHALL perform all identity proofing using either Supervised		~		Cf. 63A#0260 for IAL2
(IAL3)		steps with the applicant in-person	ш				(In-person) or Supervised (Remote)				
4.5.6 1	Address Confirmation	The CSP SHALL confirm address of record.			63A#0390		The CSP SHALL confirm the Applicant's address of record using either:				Refer to SP 800-63A rev. 3, §4.6, 1st para, as guidance
(IAL3)		The CSP SHOULD confirm address of record	ı								
		through validation of the address contained	ı								
		on any supplied, valid piece of identity	 						~		
		evidence. The CSP MAY confirm address of	ı								
		record by validating information supplied by	ı								
		the applicant, not contained on any	ı								
		supplied, valid piece of identity evidence.	ш								
4.5.6					63A#0390	a)	only information taken from any piece of valid identity evidence; or				
(IAL3)			 						•		
4.5.6		1			63A#0390	b)	for information values which might reasonably be amended from				Information substituted may only be of the same type of class, e.g.
(IAL3)			✓		03/11/0330	~	time-to-time, information substituted by the Applicant which SHALL		~		a revised address or change of name for the same issuing source.
(ᄔ			\perp l	be validated with the issuing source of the information.			<u></u>	2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
4.5.6 3		A notification of proofing SHALL be sent to			63A#0400		The CSP SHALL send a notification of proofing outcome to the				
(IAL3)		the confirmed address of record.	Ľl			\perp l	confirmed address of record.		•	<u></u>	
4.5.6		The enrollment code SHALL be valid for a			63A#0410		Superseded by 63A#0290				
(IAL3)		maximum of 7 days.	ľ								
4.5.7	Biometric Collection	The CSP SHALL collect and record a			63A#0420		The CSP SHALL collect and record a biometric sample at the time of				The fundamental reason recording the biometric data is for the
(IAL3)		biometric sample at the time of proofing					proofing.				purposes of non-repudiation and re-proofing.
		(e.g., facial image, fingerprints) for the	✓						~		
		purposes of non-repudiation and re-									
		proofing.									
4.5.8	Security Controls	The CSP SHALL employ appropriately			63A#0430	TT	The CSP SHALL employ appropriately-tailored security controls, to				
(IAL3)	,	tailored security controls, to include control					include control enhancements, from the high baseline of security				
,		enhancements, from the high baseline of					controls defined in SP 800-53 or equivalent federal (e.g., FEDRAMP)				
		security controls defined in SP 800-53 or an	✓				or industry standards.		~		
		equivalent federal (e.g., FEDRAMP) or					(see 63A#0310)				
		industry standard.					See OJAWOJIO)				
4.5.8	Socurity Controls	The CSP SHALL ensure that the minimum	H		63A#0440	++	When fulfilling criterion 63A#0430 the CSP SHALL ensure that the	H	-		
	Security Controls		.		03A#U44U						
(IAL3)		assurance-related controls for high-impact					minimum assurance-related controls for high-impact systems or				
	•	······································	_				The state of the s	_	_		•

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NIST SP	800-63A (rev.3) S/	AC & SoCA v4.0		A mulios tos	THESE CRIT	ERIA S	SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF	IAL	CRITERION	Outhorn
				Applies to:			CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	IAL	APPLICABILITY (SoCA)	Guidance
5.3.2	5 Knowledge-Based	In cases of session timeout, the CSP SHALL			63A#0480	f)	termination of a session SHALL require a complete re-start of the KBV			
	Verification	restart the entire KBV process and consider	✓				process;	1		
	Requirements	this a failed attempt.								
5.3.2	5 Knowledge-Based	The CSP SHALL NOT present a majority of			63A#0480	g)	the presence of 'diversionary' questions in the set of possible			
	Verification	diversionary KBV questions (i.e., those	✓				responses SHALL be minimised;	✓		
	Requirements	where "none of the above" is the correct								
5.3.2	5 Knowledge-Based	answer). The CSP SHALL NOT ask a KBV question that			63A#0480	hl	no question SHALL provide the Applicant the opportunity to infer	\vdash		
3.3.2	Verification	provides information that could assist in			03/4/0480	"",	answers to any other KBQs in any subsequent session;			
	Requirements	answering any future KBV question in a	1				answers to any other RBQS in any subsequences assisting	1		
		single session or a subsequent session after								
		a failed attempt.								
5.3.2	5 Knowledge-Based	CSP SHALL ensure that any KBV question			63A#0480	i)	no question SHALL offer the Applicant the opportunity to infer answers			
	Verification	does not reveal PII that the applicant has	1				to any other KBQs;	1		
	Requirements	not already provided, nor personal								
5.3.2	5 Knowledge-Based	The CSP SHALL NOT use KBV questions for	H		63A#0480	i)	KBQ/KBA SHALL be composed] dynamically and NOT use KBQ for	\vdash	1	
3.3.2	Verification	which the answers do not change (e.g.,	/		03/1/10400	"	which the answer is in any way static.			
	Requirements	"What was your first car?").					When the distres is in any way state.			
5.3.3.1	1 General Requireme	· ·	H		63A#0490	Ħ	If the CSP provides Supervised (In-person) proofing it SHALL document	П		
		biometric source (e.g., fingers, face) for					and apply technologies and procedures which ensure that the Proofing			
		presence of non-natural materials and	✓				Supervisor reviews the biometric source (e.g., fingers, face) for	~	✓	
		perform such inspections as part of the					presence of non-natural materials and perform such inspections as			
		proofing process.					part of the proofing process.			
5.3.3.1	2 General Requireme	ents The CSP SHALL collect biometrics in such a			63A#0500		If the CSP provides Supervised (In-person) proofing it SHALL document			See CO#0290 for general training reqts
		way that ensures that the biometric is	/				and apply technologies and procedures such that the Proofing			
		collected from the applicant, and not					Supervisor SHALL ensure that biometric samples are taken from the			
		another subject.					Applicant themselves and not from another person.			
5.3.3.1	2 General Requireme				63A#0510		If the CSP provides Supervised (In-person) proofing it SHALL ensure			
		SP 800-63B, Section 5.2.3 apply.	✓				that the technologies and procedures applied by the Proofing	✓	✓	
							Supervisor fulfill the biometric performance requirements expressed in 63A#0620 to 63A#0680 inclusive.			
5.3.3.2	1 Requirements for	The CSP SHALL monitor the entire identity	Н		63A#0520	H	The CSP SHALL supervise the entirety of a Remote proofing session,		+	
3.3.3.2	Supervised Remote	*			03/1//0320		from which the Applicant SHALL NOT depart.			
	Person Proofing	SHALL NOT depart — for example, by a	/				John Willer die 7 ppiliedrie 37 il 12 rie 7 departs	~	√	
		continuous high-resolution video								
		transmission of the applicant.								
5.3.3.2	2 Requirements for	The CSP SHALL have a live operator			63A#0530		The CSP SHALL ensure that a live operator participates with the			
	Supervised Remote	e In- participate remotely with the applicant for	_				Applicant for the entirety of a Remote identity proofing session.			
	Person Proofing	the entirety of the identity proofing session.	ľ					•	1	
			Н			$oxed{oxed}$		\sqcup		
5.3.3.2	3 Requirements for	The CSP SHALL require all actions taken by			63A#0540		The CSP SHALL ensure that a live operator clearly witnesses all actions		1	
	Supervised Remote		✓				taken by the Applicant, for the entirety of a Remote identity proofing	~	√	
	Person Proofing	session to be clearly visible to the remote operator.					session.			
5.3.3.2	4 Requirements for	The CSP SHALL require that all digital	H		63A#0550	\vdash	The CSP SHALL ensure that all digital verification of evidence is	${\color{blue}+}$	+	integrated meaning that the scanners/sensors are physically
5.5.5.2	Supervised Remote				5576555		performed by scanners and sensors which are integrated into the CSP-		1	integrated within the remote terminal
	Person Proofing	wireless technologies) be performed by	✓				owned/managed Remote proofing terminal.	1	1	and the remote terrinor
		integrated scanners and sensors.					, <u> </u>			
5.3.3.2	5 Requirements for	The CSP SHALL require operators to have	П		63A#0560	Ħ	The CSP SHALL train its live operators such that they:	П		
	Supervised Remote	In- undergone a training program to	✓					~	4	
	Person Proofing					$oxed{oxed}$		Ш		
5.3.3.2		detect potential fraud and	✓		63A#0560	a)	are competent to detect potential fraud; and	√	1	
5.3.3.2		to properly perform a virtual in-process	/		63A#0560	b)	are capable of properly performing a virtual in-process proofing	\	<u> </u>	
		proofing session.					session.			

NIST SP	800-63A (rev.3) SA		Applies t	0:			SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF	IAI	L	CRITERION	Guidance	
5.3.3.2	6 Requirements for Supervised Remote Person Proofing	The CSP SHALL employ physical tamper detection and resistance features appropriate for the environment in which it is located. For example, a kiosk located in a restricted area or one where it is monitored by a trusted individual requires less tamper detection than one that is located in a semipublic area such as a shopping mall concourse.	~			KANIAF 63A#0570	A DO	CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview' The CSP SHALL employ physical tamper detection and resistance features at its Remote proofing terminal appropriate for the environment in which it is located.	✓	~	APPLICABILITY (SoCA)	
5.3.3.2	7 Requirements for Supervised Remote Person Proofing	The CSP SHALL ensure that all communications occur over a mutually authenticated protected channel.	√			63A#0580		The CSP SHALL ensure that all communications between the live operator and the remote proofing terminal occur over mutually authenticated protected channels.	~	~		There might be multiple 'channels' or a channel singular, independently of the logical / physical routing it may take.
5.3.4	2 Trusted Referee Requirements	The CSP SHALL establish written policy and procedures as to	~			63A#0590		The CSP SHALL include in its CrP the following:	~	~		
5.3.4	2 Trusted Referee Requirements	how a trusted referee is determined and	✓			63A#0590	a)	how a Trusted Referee is determined;	~	~		
5.3.4	2 Trusted Referee Requirements	the lifecycle by which the trusted referee retains their status as a valid referee,	~			63A#0590	b)	the lifecycle by which the Trusted Referee retains their status as a valid referee;	~	~		
5.3.4	2 Trusted Referee Requirements	to include any restrictions, as well as any revocation and suspension requirements.	✓			63A#0590	c)	any restrictions, as well as any revocation and suspension requirements, which are applicable to Trusted Referees;	~	~		
5.3.4		In addition, the CSP SHALL determine the minimum evidence required to bind the relationship between the trusted referee and the applicant.	~			63A#0600	d)	the minimum evidence required to bind the relationship between the Trusted Referee and the Applicant.	~	\		
5.3.4.1	1 Additional Requirem for Minors	ents the legal restrictions of interacting with minors unable to meet the evidence requirements of identity proofing to ensure compliance with the Children's Online Privacy Protection Act of 1998 (COPPA) [COPPA], and other laws, as applicable.	\			63A#0610		The CSP SHALL document and apply policies and practices which show that it identifies and complies with all applicable laws and regulations, concerning interacting with minors unable to meet the evidence requirements of identity proofing.	\	\		
						meet these discrete 63	crite A ap _l	SAC criteria - NOTE - the following criteria are required to be me ria under AAL2 / 63B or under 63A Table 5-3. They are therefore olicability. Where, for the purposes of applicability to 63A, any o rent when responding to T5-3 requirements these criteria should	repli crite	ica rio	ted here under 63A and n is not intended to be	I have been given discrete '63A#' tags to indicate their observed it is marked 'No stipulation'. If responses to these
5.2.3	Use of Biometrics	The biometric system SHALL	~			63A#0620		The CSP shall implement biometric systems which have at least the following characteristics:	✓	~		
5.2.3	Use of Biometrics	operate with an FMR [ISO/IEC 2382- 37] of 1 in 1000 or better.	~			63A#0620	a)	operate with an FMR [ISO/IEC 2382-37] of 1 in 1000 or better;	√	~		
5.2.3	Use of Biometrics	This FMR SHALL be achieved under conditions of a conformant attack (i.e., zero-effort impostor attempt) as defined	~			63A#0620	b)	achieved that FMR operation under conditions of a conformant attack (i.e., zero-effort impostor attempt) in accordance with ISO/IEC 30107-1.	~	~		
5.2.3	Use of Biometrics	Testing of presentation attack resistance SHALL be in accordance with Clause 12 of ISO/IEC 30107-3.	✓			63A#0630		If Presentation Attack Detection is implemented the CSP SHALL perform testing of presentation attack resistance in accordance with §12 of ISO/IEC 30107-3.	~	~		
5.2.3	Use of Biometrics	The biometric system SHALL allow no more than 5 consecutive failed authentication attempts or 10 consecutive failed attempts if PAD meeting the above requirements is implemented.	✓			63A#0640			~	√		

NIST SP 80	NIST SP 800-63A (rev.3) SAC & SoCA v4.0				es to:				SHOULD NOT BE APPLIED WITHOUT A THOROUGH UNDERSTANDING OF CUMENT 'Kantara IAF-1405 Service Assessment Criteria - Overview'	I.A	1L	CRITERION APPLICABILITY (SoCA)	Guidance
5.2.3			✓			63A#0		a)	where analysis has shown at least 90% resistance to presentation attacks for each relevant attack type (i.e., species), where resistance is defined as the number of thwarted presentation attacks divided by the number of trial presentation attacks, THEN up to 10 consecutive failed authentication attempts can occur; OTHERWISE	2 🗸	*	APPLICABILITY (SOCA)	
5.2.3			✓			63A#0	640	b)	no more than 5 consecutive failed authentication attempts can occur.	~	~		
5.2.3	Use of Biometrics	Once that limit has been reached, the biometric authenticator SHALL either:	✓			63A#0	650		If either limit set in 63A#0640 is reached the CSP SHALL:	~	~		
5.2.3	Use of Biometrics	Impose a delay of at least 30 seconds before the next attempt, increasing exponentially with each successive attempt	✓			63A#0	650	a)	disable the biometric user authentication, and if an alternative authentication factor is already available use that other factor; OR OTHERWISE	~	~		
5.2.3	Use of Biometrics	Disable the biometric user authentication and offer another factor (e.g., a different biometric modality or a PIN/Passcode if it is not already a required factor) if such an alternative method is already available.	✓			63A#0	650	b)	impose a delay of at least 30 seconds before the next attempt, increasing exponentially with each successive attempt.	~	~		
5.2.3	Use of Biometrics	The verifier SHALL make a determination of sensor and endpoint performance, integrity, and authenticity.	~			63A#0	660		No stipulation - not applicable to identity proofing.	~	~		
5.2.3	Use of Biometrics	If comparison is performed centrally:	✓			63A#0	670		If biometric comparisom is performed centrally rather than locally the CSP SHALL:	~	~		
5.2.3	Use of Biometrics	Use of the biometric as an authentication factor SHALL be limited to one or more specific devices that are	✓			63A#0	670	a)	limit use of the biometric as an authentication factor to one or more specific devices that are authenticated using approved cryptography;	~	~		
5.2.3	Use of Biometrics	Since the biometric has not yet unlocked the main authentication key, a separate key	✓			63A#0	670	b)	use a separate key to identify the device;	✓	~		
5.2.3	Use of Biometrics	Biometric revocation, referred to as biometric template protection in ISO/IEC 24745, SHALL be implemented.	~			63A#0	670	c)	implement biometric revocation (a.k.a. biometric template protection); Note - this is for both revocation of the credential as much as for privacy protection	✓	1		
5.2.3	Use of Biometrics	All transmission of biometrics SHALL be over the authenticated protected channel.	~			63A#0	670	d)	transmit all biometric data over an authenticated protected channel.	~	~		
5.2.3	Use of Biometrics	Biometric samples and any biometric data derived from the biometric sample such as a probe produced through signal processing SHALL be zeroized immediately after any training or research data has been derived.	✓			63A#C	680		The CSP SHALL zeroize the biometric sample (including any associated biometric data) immediately after any training or research data has been derived.	~	~		

NIST SI	P 800-63A	•	Table	e 5-1 Strengths of Identity Evidence
Strength	63A tag		indx	KI_criterion
FAIR	63A-T5-1#fair	a)		The CSP can demonstrate or show other reasonable expectation that the Issuing Source of the evidence:
	63A-T5-1#fair	, а)	i)	confirmed the claimed identity through an identity proofing process;
	63A-T5-1#fair	a)	ii)	delivered the evidence into the possession of the person to whom it relates.
	63A-T5-1#fair	b)		The evidence collected by the CSP:
	63A-T5-1#fair	b)	i)	Contains at least one reference number that uniquely identifies the person to whom it relates; OR
	63A-T5-1#fair	b)	ii)	Contains a photograph or biometric template (any modality) of the person to whom it relates; OR
	63A-T5-1#fair	b)	iii)	Can have ownership confirmed through KBV.
	63A-T5-1#fair	<i>c</i>)		Where the evidence collected by the CSP includes digital information, that information is protected using approved cryptographic or proprietary methods, or both, and those methods ensure the integrity of the information and enable the authenticity of the claimed issuing source to be confirmed.
	63A-T5-1#fair	d)		Where the evidence collected by the CSP includes physical security features, it requires proprietary knowledge to be able to reproduce those features.
	63A-T5-1#fair	e)		The evidence collected by the CSP is unexpired.
STRONG	63A-T5-1#strg	a)		The CSP can demonstrate or show other reasonable expectation that the Issuing Source of the evidence:

NIST SI	P 800-63A	•	Table	e 5-1 Strengths of Identity Evidence
Strength	63A tag		indx	KI_criterion
	63A-T5-1#strg	a)	i)	confirmed the claimed identity through written procedures designed to enable it to form a reasonable belief that it knows the real-life identity of the Applicant.
	63A-T5-1#strg	a)	ii)	has its written procedures subjected to recurring oversight by regulatory or publicly-accountable institutions;
	63A-T5-1#strg	a)	iii)	delivered the evidence into the possession of the subject to whom it relates.
	63A-T5-1#strg	b)		The evidence collected by the CSP contains at least one reference number that uniquely identifies the person to whom it relates and to the Issuing Source.
	63A-T5-1#strg	c)		The full name on the evidence must be the name that the person was officially known by at the time of issuance. Not permitted are pseudonyms, aliases, an initial for surname, or initials for all given names.
	63A-T5-1#strg	d)		Either the:
	63A-T5-1#strg	d)	i)	evidence collected by the CSP contains a photograph or biometric template (of any modality) of the person to whom it relates, OR
	63A-T5-1#strg	d)	ii)	Applicant proves possession of an AAL2 authenticator bound to an IAL2 identity, at a minimum.
	63A-T5-1#strg	e)		Where the evidence collected by the CSP includes digital information, that information is protected using approved cryptographic or proprietary methods, or both, and those methods ensure the integrity of the information and enable the authenticity of the claimed issuing source to be confirmed.

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NIST SI	P 800-63A	Ī	Table	e 5-1 Strengths of Identity Evidence
Strength	63A tag		indx	KI_criterion
	63A-T5-1#strg	f)		Where the evidence collected by the CSP contains physical security features, it requires proprietary knowledge and proprietary technologies to be able to reproduce it.
	63A-T5-1#strg	g)		The evidence collected by the CSP is unexpired.
SUPERIOR	63A-T5- 1#supr	a) a) a) b) c)	i) ii) iii)	confirmed the claimed identity by following written procedures designed to enable it to have high confidence that the source knows the real-life identity of the applicant; has its written procedures subjected to recurring oversight by regulatory or publicly-accountable institutions; visually identified the applicant and performed further checks to confirm the existence of that person; employed processes which ensured that the evidence was delivered into the possession of the person to whom it relates. The evidence collected by the CSP contains at least one reference number that uniquely identifies the person to whom it relates and to the issuing source.
		d) e) f)		The full name on the evidence collected by the CSP is the name that the person was officially known by at the time of issuance. Not permitted are pseudonyms, aliases, an initial for surname, or initials for all given names. The evidence collected by the CSP contains a photograph of the person to whom it relates. The evidence collected by the CSP contains a biometric template (of any modality) of the person to whom it relates.

NIST SP 800-63A Ta		Tabl	le 5-1 Strengths of Identity Evidence	
Strength	63A tag	indx	KI_criterion	
		g) h)	The evidence collected by the CSP includes digital information, the information is protected using approved cryptographic or proprietary methods, or both, and those methods ensure the integrity of the information and enable the authenticity of the issuing source to be confirmed. The evidence collected by the CSP includes physical security features that require proprietary knowledge and proprietary technologies to be able to reproduce it. The evidence collected by the CSP is unexpired.	

NIST SI	P 800-63A	1	able	5-2 Validating Identity Evidence
Strength	63A tag		indx	KI_criterion
FAIR	63A-T5-2#fair	a)		The CSP can demonstrate that the evidence which it has collected:
	63A-T5-2#fair	a)	i)	has attributes confirmed as valid by comparison with information held or published by the issuing source or authoritative source(s); OR
	63A-T5-2#fair	a)	ii)	has been confirmed as genuine using appropriate technologies, confirming the integrity of physical security features and that the evidence is not fraudulent or inappropriately modified; OR
	63A-T5-2#fair	a)	iii)	has been confirmed as genuine by trained personnel; OR
	63A-T5-2#fair	a)	iv)	has been confirmed as genuine by confirmation of the integrity of cryptographic security features.
STRONG	63A-T5-2#strg	a)		The CSP can demonstrate that the evidence which it has collected has been confirmed as genuine:
	63A-T5-2#strg	a)	i)	using appropriate technologies, confirming the integrity of physical security features and that the evidence is not fraudulent or inappropriately modified; OR
	63A-T5-2#strg	a)	ii)	by trained personnel and appropriate technologies, confirming the integrity of the physical security features and that the evidence is not fraudulent or inappropriately modified; OR
	63A-T5-2#strg	a)	iii)	by confirmation of the integrity of cryptographic security features.
	63A-T5-2#strg	b)		The CSP can demonstrate that the evidence which it has collected has had all personal details and evidence details confirmed as valid by comparison with information held or published by the issuing source or authoritative source(s).

NIST SE	P 800-63A	Table	5-2 Validating Identity Evidence
Strength	63A tag	indx	KI_criterion
SUPERIOR	63A-T5-	а	The CSP can demonstrate that the evidence which it has collected
	2#supr)	has been confirmed as genuine by trained personnel and the use of
			appropriate technologies, including the integrity of any physical and
			cryptographic security features;
	63A-T5-	b	The CSP can demonstrate that the evidence which it has collected
	2#supr)	has had all personal details and evidence details confirmed as valid
			by comparison with information held or published by the issuing
			source or authoritative source(s).

NIST SI	P 800-63A	Table	5-3 Verifying Identity Evidence
Strength	63A tag	indx	KI_criterion
FAIR	n/a		
Not	n/a		
applicable	n/a		
since 'FAIR'			
verification			
is not permissable	n/a		
at IAL2	,,, u		
(§4.4.1.4			
STRONG	63A-T5-3#strg	a)	The CSP SHALL confirm the Applicant's ownership of the claimed identity by:
	63A-T5-3#strg	a) i)	a physical comparison of the applicant to the strongest piece of identity evidence provided to support the claimed identity. Physical comparison performed remotely SHALL adhere to all criteria 63A#0620 to 63A#0680 inclusive; OR
	63A-T5-3#strg	a) ii)	biometric comparison of the applicant to the identity evidence. Biometric comparison performed remotely SHALL adhere to all criteria 63A#0620 to 63A#0680 inclusive.
SUPERIOR	63A-T5-	a)	The CSP SHALL confirm the Applicant's ownership of the claimed
	3#supr		identity by biometric comparison of the Applicant to the strongest piece of identity evidence provided to support the claimed identity, using appropriate technologies. Biometric comparison performed remotely SHALL adhere to all criteria 63A#0620 to 63A#0680 inclusive.

Tag cross-reference:

624 +~~	new
63A tag	63A tag
63A#0010 6.	3A#0010
63A#0020 6.	3A#0020
63A#0030 6.	3A#0030
63A#0040 6.	3A#0040
63A#0060 6 .	3A#0050
63A#0070 6 .	3A#0060
63A#0070 6 .	3A#0062
63A#0080 6 .	3A#0070
63A#0090 <mark>6</mark> .	3A#0260
63A#0100 6 .	3A#0080
63A#0110 6 .	3A#0090
63A#0120 6 .	3A#0100
63A#0130 6 .	3A#0110
63A#0140 <mark>6</mark> .	3A#0120
63A#0150 6 .	3A#0130
63A#0160 <mark>6</mark> .	3A#0140
63A#0170 6 .	3A#0150
63A#0180 <mark>6</mark> .	3A#0160
63A#0190 <mark>6</mark> .	3A#0170
63A#0200 6 .	3A#0180
63A#0200 6 .	3A#0180
63A#0200 <mark>6</mark> .	3A#0180
63A#0210 <mark>6</mark> .	3A#0190
63A#0220 6 .	3A#0200
63A#0230 <mark>6</mark> .	3A#0210
63A#0240 <mark>6</mark> .	3A#0220
63A#0250 6 .	3A#0230
63A#0260 <mark>6</mark> .	3A#0240
63A#0270 <mark>6</mark> .	3A#0250

new	old
63A tag	63A tag
63A#0010	63A#0010
63A#0020	63A#0020
63A#0030	63A#0030
63A#0040	63A#0040
63A#0050	63A#0060
63A#0060	63A#0070
63A#0062	63A#0070
63A#0070	63A#0080
63A#0080	63A#0100
63A#0090	63A#0110
63A#0100	63A#0120
63A#0110	63A#0130
63A#0120	63A#0140
63A#0130	63A#0150
63A#0140	63A#0160
63A#0150	63A#0170
63A#0160	63A#0180
63A#0170	63A#0190
63A#0180	63A#0200
63A#0180	63A#0200
63A#0180	63A#0200
63A#0190	63A#0210
63A#0200	63A#0220
63A#0210	63A#0230
63A#0220	63A#0240
63A#0230	63A#0250
63A#0240	63A#0260
63A#0250	63A#0270
63A#0260	63A#0090

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63A#0280	63A#0270
63A#0290	63A#0280
63A#0300	63A#0450
63A#0310	63A#0290
63A#0310	63A#0450
63A#0320	63A#0300
63A#0330	63A#0310
63A#0340	63A#0330
63A#0350	63A#0590
63A#0350	63A#0600
63A#0360	63A#0490
63A#0370	63A#0500
63A#0380	63A#0510
63A#0390	63A#0610
63A#2330	63A#0620
63A#2335	63A#0630
63A#2340	63A#0640
63A#2350	63A#0650
63A#2360	63A#0660
63A#2370	63A#0670
63A#2380	63A#0680
63A#3010	63A#0340
63A#3020	63A#0350
63A#3030	63A#0360
63A#3040	63A#0370
63A#3040	n/a
63A#3050	63A#0380
63A#3060	63A#0390
63A#3080	63A#0400
63A#3090	63A#0410
63A#3100	63A#0420
63A#3120	63A#0430

63A#0270	63A#0280
63A#0280	63A#0290
63A#0290	63A#0310
63A#0300	63A#0320
63A#0310	63A#0330
63A#0320	n/a
63A#0330	63A#0340
63A#0340	63A#3010
63A#0350	63A#3020
63A#0360	63A#3030
63A#0370	63A#3040
63A#0380	63A#3050
63A#0390	63A#3060
63A#0390	n/a
63A#0400	63A#3080
63A#0410	63A#3090
63A#0420	63A#3100
63A#0430	63A#3120
63A#0440	63A#3130
63A#0450	63A#0300
63A#0450	63A#0310
63A#0460	n/a
63A#0470	n/a
63A#0480	n/a
63A#0490	63A#0360
63A#0500	63A#0370
63A#0510	63A#0380
63A#0520	63A#3200
63A#0530	63A#3210
63A#0540	63A#3220
63A#0550	63A#3230
63A#0560	63A#3240
Organizati	

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KIAF-1430

63A#3130	63A#0440
63A#3200	63A#0520
63A#3210	63A#0530
63A#3220	63A#0540
63A#3230	63A#0550
63A#3240	63A#0560
63A#3250	63A#0570
63A#3260	63A#0580
n/a	63A#0320
n/a	63A#0390
n/a	63A#0460
n/a	63A#0470
n/a	63A#0480
n/a	63A#0560

63A#0560	n/a
63A#0570	63A#3250
63A#0580	63A#3260
63A#0590	63A#0350
63A#0600	63A#0350
63A#0610	63A#0390
63A#0620	63A#2330
63A#0630	63A#2335
63A#0640	63A#2340
63A#0650	63A#2350
63A#0660	63A#2360
63A#0670	63A#2370
63A#0680	63A#2380
n/a	63A#3040

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