

IDESG-Kantara comparison INCOMPLETE DRAFT

Ordered by original Reqts order

Comparison of Certification Requirements: SUMMARY OF INCOMPLETE WORK IN PROCESS														
Draft		5/30/2016												
	IDESG Reference (From IDEF v.1 Baseline requirements)	IDESG Reference (From IDEF v.1 Baseline requirements)	IDESG Text	(Column P repeated)	Kantara Reference Number	Kantara Title	AL 1	AL 2	AL 3	AL 4	Kantara Text	Kantara Text	ant ar a Te	NE=Not Equivalent, NCR=no comparable requirement, or N/A) - Does TFP
1	INTEROP-1.	THIRD PARTY AUTHENTICATION	Entities MUST be capable of accepting external USERS	NCR										NCR
1	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	a) applicable OIDs for each certificate type issued:		P
2	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	b) how users may subscribe to the service/apply for certificates, and		P
3	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	c) if users present their own keys, how they will be required to		P
4	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	d) if users' keys are generated for them, how the private keys will be		P
5	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	e) how Subjects acknowledge receipt of tokens and credentials and what		P
6	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	f) how certificates may be renewed, re-keyed, modified, revoked, and		P
7	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	g) what actions a Subject must take to terminate their subscription.		P
8	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CRN#035	Convey credential	✓	✓	✓	✓	Be capable of conveying the unique identity information associated with			P
9	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CSM#030	Revision to Published Status		✓	✓	✓	Process authenticated requests for revised status information and have			P
10	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CSM#040	Status Information Availability			✓	✓	Provide, with 99% availability, a secure automated mechanism to			P
11	INTEROP-2.	THIRD-PARTY CREDENTIALS	Entities who issue credentials or assertions MUST issue them using	P	CM_CSM#050	Inactive Credentials		✓	✓	✓	Disable any credential that has not been successfully used for			P
1	INTEROP-3.	STANDARDIZED CREDENTIALS	Entities that issue credentials or assertions MUST issue them in a	NCR										NCR
1	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	a) applicable OIDs for each certificate type issued:		P
2	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	b) how users may subscribe to the service/apply for certificates, and		P
3	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	c) if users present their own keys, how they will be required to		P
4	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	d) if users' keys are generated for them, how the private keys will be		P
5	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	e) how Subjects acknowledge receipt of tokens and credentials and what		P
6	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	f) how certificates may be renewed, re-keyed, modified, revoked, and		P
7	INTEROP-4.	STANDARDIZED DATA EXCHANGES	Entities that conduct digital identity management functions MUST use	P	CM_CPP#020	Certificate Policy/Certification Certificate				✓	Include in its Service Definition its full Certificate Policy and the	g) what actions a Subject must take to terminate their subscription.		P
1	INTEROP-5.	DOCUMENTED PROCESSES	Entities MUST employ documented business policies and processes in	P	CO_NUI#010	General Service Definition	X	✓	✓	✓	Make available to the intended user community a Service Definition that			P
2	INTEROP-5.	DOCUMENTED PROCESSES	Entities MUST employ documented business policies and processes in	P	CO_NUI#050	Record of User Acceptance		✓	✓	✓	Obtain a record (hard-copy or electronic) of the Subscriber's and			P
3	INTEROP-5.	DOCUMENTED PROCESSES	Entities MUST employ documented business policies and processes in	P	ID_POL#030	Published Proofing Policy		✓	✓	✓	Make available the Identity Proofing Policy under which it verifies the			P
1	INTEROP-6.	THIRD-PARTY COMPLIANCE	Entities that act as THIRD-PARTY service providers for another entity.	P	CO_ESC#010	Contracted policies and procedures		✓	✓	✓	Where the enterprise uses external suppliers for specific packaged			P
2	INTEROP-6.	THIRD-PARTY COMPLIANCE	Entities that act as THIRD-PARTY service providers for another entity.	P	CO_ESC#020	Visibility of contracted parties		✓	✓	✓	Where the enterprise uses external suppliers for specific packaged			P
1	INTEROP-7.	USER REDRESS	Entities MUST provide effective mechanisms for redress of	P	CO_NUI#040	User Acceptance		✓	✓	✓	Require Subscribers and Subjects to:	c) always provide full and correct responses to requests for		P
1	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CO_NUI#050	Record of User Acceptance		✓	✓	✓	Obtain a record (hard-copy or electronic) of the Subscriber's and			F
2	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CO_ISM#080	Internal Service Audit			✓	✓	Be audited at least once every 12 months for effective provision of the			F
3	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CO_ISM#100	Audit Records		✓	✓	✓	Retain records of all audits, both internal and independent, for a			F
4	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CM_SER#010	Security event logs			✓	✓	Ensure that such audit records include:	a) the identity of the point of registration (irrespective of whether		F
5	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CM_SER#010	Security event logs			✓	✓	Ensure that such audit records include:	b) generation of the Subject's keys or evidence that the Subject was in		F

6	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CM_SER#010	Security event logs	✓	✓	Ensure that such audit records include:	c) generation of the Subject's certificate:		F
7	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CM_SER#010	Security event logs	✓	✓	Ensure that such audit records include:	d) dissemination of the Subject's certificate:		F
8	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	CM_SER#010	Security event logs	✓	✓	Ensure that such audit records include:	e) any revocation or suspension associated with the Subject's		F
9	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	ID_VRC#025	Provide Subject identity records	✓	✓	If required, provide to qualifying parties records of identity proofing			F
10	INTEROP-8.	ACCOUNTABILITY	Entities MUST be accountable for conformance to the IDESG Baseline	F	ID_VRC#030	Record Retention	✓	✓	Either retain, securely, the record of the verification/revocation process			F
1	PRIVACY-1.	DATA MINIMIZATION	Entities MUST limit the collection, use, transmission and storage of	P	CO_ESM#030	Legal & Contractual compliance	✓	✓	Demonstrate that it understands and complies with any legal			P
1	PRIVACY-2.	PURPOSE LIMITATION	Entities MUST limit the use of personal information that is	NCR								NCR
1	PRIVACY-3.	ATTRIBUTE MINIMIZATION	Entities requesting attributes MUST evaluate the need to collect specific	NCR								NCR
1	PRIVACY-4.	CREDENTIAL LIMITATION	Entities MUST NOT request USERS' credentials unless necessary for	NCR								NCR
1	PRIVACY-5.	DATA AGGREGATION RISK	Entities MUST assess the privacy risk of aggregating personal	NCR								NCR
1	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#010	General Service Definition	X	✓	✓	Make available to the intended user community a Service Definition that		P
2	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	a) Privacy, Identity Proofing & Verification. Renewal/Re-issuance.	P
3	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	b) the country in or the legal jurisdiction under which the service	P
4	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	c) if different to the above, the legal jurisdiction under which Subscriber	P
5	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	d) applicable legislation with which the service complies;	P
6	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	e) obligations incumbent upon the CSP;	P
7	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	f) obligations incumbent upon each class of user of the service, e.g.	P
8	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	g) notifications and guidance for reliving parties, especially in respect	P
9	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	h) statement of warranties;	P
10	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	i) statement of liabilities toward both Subjects and Reliving Parties;	P
11	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	j) procedures for notification of changes to terms and conditions;	P
12	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	k) steps the CSP will take in the event that it chooses or is obliged to	P
13	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#020	Service Definition inclusions		✓	✓	Make available a Service Definition for the specified service containing	l) availability of the specified service per se and of its help desk facility.	P
14	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#030	Due notification		✓	✓	Have in place and follow appropriate policy and procedures to ensure		P
15	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#040	User Acceptance		✓	✓	Require Subscribers and Subjects to:	a) indicate, prior to receiving service, that they have read and accept the	P
16	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#040	User Acceptance		✓	✓	Require Subscribers and Subjects to:	b) at periodic intervals, determined by significant service provision	P
17	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	CO_NUI#040	User Acceptance		✓	✓	Require Subscribers and Subjects to:	c) always provide full and correct responses to requests for	P
18	PRIVACY-6.	USAGE NOTICE	Entities MUST provide concise, meaningful, and timely	P	ID_POL#030	Published Proofing Policy		✓	✓	Make available the Identity Proofing Policy under which it verifies the		P
1	PRIVACY-7.	USER DATA CONTROL	Entities MUST provide appropriate mechanisms to enable USERS to	F	CO_NUI#070	Change of Subscriber Information		✓	✓	Require and provide the mechanisms for Subscribers and		F
2	PRIVACY-7.	USER DATA CONTROL	Entities MUST provide appropriate mechanisms to enable USERS to	F	CM_IDP#010	Revision to Subscriber information		✓	✓	Provide a means for Subjects to securely amend their stored		F
1	PRIVACY-8.	THIRD-PARTY LIMITATIONS	Wherever USERS make choices regarding the treatment of their	F/P	CO_ESC#010	Contracted policies and procedures		✓	✓	Where the enterprise uses external suppliers for specific packaged		F/P
1	PRIVACY-9.	USER NOTICE OF CHANGES	Entities MUST, upon any material changes to a service or process	F/P	CO_NUI#030	Due notification		✓	✓	Have in place and follow appropriate policy and procedures to ensure		F/P
1	PRIVACY-10.	USER OPTION TO DECLINE	USERS MUST have the opportunity to decline registration: decline	NCR								NCR
1	PRIVACY-11.	OPTIONAL INFORMATION	Entities MUST clearly indicate to USERS what personal information	NCR								NCR
1	PRIVACY-12.	ANONYMITY	Wherever feasible, entities MUST utilize identity systems and	NE	ID_POL#010	Unique service identity	✓	✓	✓	Ensure that a unique identity is attributed to the specific service.		NE
2	PRIVACY-12.	ANONYMITY	Wherever feasible, entities MUST utilize identity systems and	NE	ID_POL#020	Unique Subject identity	✓	✓	✓	Ensure that each applicant's identity is unique within the service's		NE
3	PRIVACY-12.	ANONYMITY	Wherever feasible, entities MUST utilize identity systems and	NE	CM_CRN#090	Nature of Subject		✓	✓	Record the nature of the Subject of the credential (which must		NE
4	PRIVACY-12.	ANONYMITY	Wherever feasible, entities MUST utilize identity systems and	NE	CM_VAS#040	No pseudonyms		✓	✓	Create assertions which indicate only verified Subscriber names in		NE

1	PRIVACY-13.	PROPORTIONATE TO	Controls on the processing or use of USERS' personal information	F/P	CO_ISM#030	Risk Management	✓	✓	Demonstrate a risk management methodology that adequately			F/P
1	PRIVACY-14.	DATA RETENTION AND DISPOSAL	Entities MUST limit the retention of personal information to the time	P	CO_ESM#050	Data Retention and Protection	✓	✓	Specifically set out and demonstrate that it understands and complies			P
2	PRIVACY-14.	DATA RETENTION AND DISPOSAL	Entities MUST limit the retention of personal information to the time	P	CO_ESM#055	Termination provisions	✓	✓	Define the practices in place for the protection of Subjects' private and			P
1	PRIVACY-15.	ATTRIBUTE SEGREGATION	Wherever feasible, identifier data MUST be segregated from attribute	NE	CM_CRN#090	Nature of Subject	✓	✓	Record the nature of the Subject of the credential (which must			NE
1	SECURE-1.	SECURITY PRACTICES	Entities MUST apply appropriate and industrv-accepted information	F	CO_ISM#010	Documented policies and procedures	✓	✓	Have documented all security-relevant administrative management			F
2	SECURE-1.	SECURITY PRACTICES	Entities MUST apply appropriate and industrv-accepted information	F	CO_ISM#120	Best Practice Security Management	✓	✓	Have in place a certified Information Security Management System			F
3	SECURE-1.	SECURITY PRACTICES	Entities MUST apply appropriate and industrv-accepted information	F	CO_OPN#010	Technical security	✓	✓	Demonstrate that the technical controls employed will provide the			F
1	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CO_ESM#050	Data Retention and Protection	✓	✓	Specifically set out and demonstrate that it understands and complies			F/P
2	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CO_ESM#055	Termination provisions	✓	✓	Define the practices in place for the protection of Subjects' private and			F/P
3	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	a) requires authentication of the specified service, itself, or of the		F/P
4	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	b) ensures the integrity of the authentication assertion:		F/P
5	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	c) protects assertions against manufacture, modification,		F/P
6	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	d) uses approved cryptography techniques:		F/P
7	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	e) creates assertions which are specific to a single transaction:		F/P
8	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	f) where assertion references are used, generates a new reference		F/P
9	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	g) when an assertion is provided indirectly, either signs the assertion		F/P
10	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	h) send assertions either via a channel mutually-authenticated with		F/P
11	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	i) requires the secondary authenticator to:	ed dir en pro ma re ch	F/P
12	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	i) requires the secondary authenticator to:		F/P
13	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	i) requires the secondary authenticator to:		F/P
14	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#010	Validation and Assertion Security	✓	✓	Provide validation of credentials to a Relvino Partv using a protocol that:	i) requires the secondary authenticator to:		F/P
15	SECURE-2.	DATA INTEGRITY	Entities MUST implement industry-accepted practices to protect the	F/P	CM_ASS#015	No False Authentication	✓	✓	Employ techniques which ensure that system failures do not result in			F/P
1	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#010	Secure remote communications	✓	✓	If the specific service components are located remotely from and	a) implementing mutually-authenticated protected sessions: or		F/P
2	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#010	Secure remote communications	✓	✓	If the specific service components are located remotely from and	b) time-stamped or sequenced messages signed by their source and		F/P
3	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	a) password guessing, showing that there is sufficient entropy:		F/P
4	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	b) message replay, showing that it is impractical:		F/P
5	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	c) eavesdropping, showing that it is impractical:		F/P
6	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	d) relying party (verifier) impersonation, showing that it is		F/P
7	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	e) man-in-the-middle attack;		F/P
8	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls	✓	✓	Account for at least the following protocol threats in its risk	f) session hijacking, showing that it is impractical.		F/P
9	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	a) the physical security of the environment:		F/P
10	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	b) access control procedures limiting access to the minimum number of		F/P
11	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	c) public-key publication mechanisms:		F/P
12	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	d) application of controls deemed necessary as a result of the service's		F/P
13	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	e) destruction of expired or compromised private keys in a		F/P
14	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	Specify and observe procedures and processes for the generation,	f) applicable cryptographic module security requirements, quoting FIPS		F/P
15	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#060	No assertion manufacture/modificatio	✓	✓	Ensure that it is impractical to manufacture an assertion or	b) Encrypting the assertion using a secret key shared with the RP:		F/P
16	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#060	No assertion manufacture/modificatio	✓	✓	Ensure that it is impractical to manufacture an assertion or	c) Creating an assertion reference which has a minimum of 64 bits of		F/P

17	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#060	No assertion manufacture/modification	✓	✓	✓	✓	Ensure that it is impractical to manufacture an assertion or	d) Sending the assertion over a protected channel during a mutually-		F/P
18	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#070	Assertion protections		✓	✓	✓	Provide protection of assertion-related data such that:	a) both assertions and assertion references are protected against		F/P
19	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#070	Assertion protections		✓	✓	✓	Provide protection of assertion-related data such that:	b) assertions are also protected against redirection;		F/P
20	SECURE-3.	SECURE-3. CREDENTIAL REPRODUCTION	Entities that issue or manage credentials and tokens MUST	F/P	CM_VAS#070	Assertion protections		✓	✓	✓	Provide protection of assertion-related data such that:	c) assertions, assertion references and session cookies used for		F/P
1	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#010	Secure remote communications		✓	✓	✓	If the specific service components are located remotely from and	a) implementing mutually-authenticated protected sessions: or		F/P
2	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#010	Secure remote communications		✓	✓	✓	If the specific service components are located remotely from and	b) time-stamped or sequenced messages signed by their source and		F/P
3	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#020	Limited access to shared secrets			✓	✓	Ensure that: These roles should be defined and documented by the CSP	a) access to shared secrets shall be subject to discretionary controls		F/P
4	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#020	Limited access to shared secrets			✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:	Level 3 or MIT	F/P
5	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#020	Limited access to shared secrets			✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:		F/P
6	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#020	Limited access to shared secrets			✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:		F/P
7	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CO_SCO#020	Limited access to shared secrets			✓	✓	Ensure that: These roles should be defined and documented by the CSP	c) any long-term (i.e., not session) shared secrets are revealed only to		F/P
8	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	a) password guessing, showing that there is sufficient entropy;		F/P
9	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	b) message replay, showing that it is impractical;		F/P
10	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	c) eavesdropping, showing that it is impractical;		F/P
11	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	d) relying party (verifier) impersonation, showing that it is		F/P
12	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	e) man-in-the-middle attack;		F/P
13	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	f) session hijacking, showing that it is impractical.		F/P
14	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	a) the introduction of malicious code;		F/P
15	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	b) compromised authentication arising from insider action;		F/P
16	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	c) out-of-band attacks by both users and system operators (e.g., the		F/P
17	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	d) spoofing of system elements/applications;		F/P
18	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	e) malfeasance on the part of subscribers and subjects;		F/P
19	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#030	System Threat Risk Assessment & Controls		✓	✓	✓	Account for the following system threats in its risk assessment and	f) intrusions leading to information theft.		F/P
20	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	a) the physical security of the environment;		F/P
21	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	b) access control procedures limiting access to the minimum number of		F/P
22	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	c) public-key publication mechanisms;		F/P
23	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	d) application of controls deemed necessary as a result of the service's		F/P
24	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	e) destruction of expired or compromised private keys in a		F/P
25	SECURE-4.	PROTECTION CREDENTIAL	Entities that issue or manage credentials and tokens MUST	F/P	CM_CTR#040	Specified Service's Key Management -		✓	✓	✓	Specify and observe procedures and processes for the generation.	f) applicable cryptographic module security requirements, quoting FIPS		F/P
1	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CO_SCO#010	Secure remote communications		✓	✓	✓	If the specific service components are located remotely from and	a) implementing mutually-authenticated protected sessions: or		F
2	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CO_SCO#010	Secure remote communications		✓	✓	✓	If the specific service components are located remotely from and	b) time-stamped or sequenced messages signed by their source and		F
3	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	a) password guessing, showing that there is sufficient entropy;		F
4	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	b) message replay, showing that it is impractical;		F
5	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	c) eavesdropping, showing that it is impractical;		F
6	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	d) relying party (verifier) impersonation, showing that it is		F
7	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	e) man-in-the-middle attack;		F
8	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#020	Protocol threat risk assessment and controls				✓	Account for at least the following protocol threats in its risk	f) session hijacking, showing that it is impractical.		F
9	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	a) the introduction of malicious code;		F

10	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	b) compromised authentication arising from insider action:				F
11	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	c) out-of-band attacks by both users and system operators (e.g., the				F
12	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	d) spoofing of system elements/applications:				F
13	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls	✓	✓	✓	✓	Account for the following system threats and apply appropriate	e) malfeasance on the part of subscribers and subjects:				F
14	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CTR#030	System Threat Risk Assessment & Controls		✓	✓	✓	Account for the following system threats in its risk assessment and	f) intrusions leading to information theft.				F
15	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#010	Required evidence				✓	Ensure that the applicant is in possession of:	a) a primary Government Picture ID document that bears a photographic	nu			F
16	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#010	Evidence checks – primary ID				✓	Ensure that the applicant is in possession of:	a) a primary Government Picture ID document that bears a photographic	util			F
17	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#030	Evidence checks – primary ID				✓	Ensure that the presented document:	a) appears to be a genuine document properly issued by the claimed	ity			F
18	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#030	Evidence checks – primary ID				✓	Ensure that the presented document:	b) bears a photographic image of the holder which matches that of the				F
19	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#030	Evidence checks – primary ID				✓	Ensure that the presented document:	c) is electronically verified by a record check with the specified	wit			F
20	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#030	Evidence checks – primary ID				✓	Ensure that the presented document:	c) is electronically verified by a record check with the specified	b			F
21	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#030	Evidence checks – primary ID				✓	Ensure that the presented document:	d) provides all reasonable certainty, at AL4, that the identity exists and	oth			F
22	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	the			F
23	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	clai			F
24	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	the			F
25	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	b) If it is a financial institution account number, is verified by a	the			F
26	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	b) If it is a financial institution account number, is verified by a	g			F
27	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	c) If it is two utility bills or equivalent documents:	pro			F
28	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#040	Evidence checks – secondary ID				✓	Ensure that the presented document meets the following conditions:	c) If it is two utility bills or equivalent documents:	ho			F
29	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IPV#050	Applicant knowledge checks				✓	Where the applicant is unable to satisfy any of the above					F
30	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#010	Required evidence			✓	✓	Ensure that the applicant possesses:	a) identification from the organization with which it is claiming affiliation:				F
31	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#010	Required evidence			✓	✓	Ensure that the applicant possesses:	b) agreement from the organization that the applicant may be issued a				F
32	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#020	Evidence checks			✓	✓	Have in place and apply processes which ensure that the presented	a) each appear to be a genuine document properly issued by the				F
33	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#020	Evidence checks			✓	✓	Have in place and apply processes which ensure that the presented	b) refer to an existing organization with a contact address:				F
34	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#020	Evidence checks			✓	✓	Have in place and apply processes which ensure that the presented	c) indicate that the applicant has some form of recognizable affiliation				F
35	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_AFV#020	Evidence checks			✓	✓	Have in place and apply processes which ensure that the presented	d) appear to grant the applicant an entitlement to obtain a credential				F
36	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#010	Authenticate Original Credential		✓	✓	✓	Prior to issuing any derived credential the original credential on	a) authenticated by a source trusted by the CSP as being valid and un-				F
37	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#010	Authenticate Original Credential		✓	✓	✓	Prior to issuing any derived credential the original credential on	b) issued in the same name as that which the Applicant is claiming:				F
38	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#010	Authenticate Original Credential			✓	✓	Prior to issuing any derived credential the original credential on	b) issued at Assurance Level 4;				F
39	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#010	Authenticate Original Credential			✓	✓	Prior to issuing any derived credential the original credential on	d) proven to be in the possession and under the control of the				F
40	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#020	Record Original Credential			✓	✓	Record the details of the original credential, the biometric sample					F
41	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_IDC#030	Issue Derived Credential			✓	✓	Only issue the derived credential in-person after performing biometric					F
42	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	ID_SCV#010	Secondary checks				✓	Have in place additional measures (e.g., require additional					F
43	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CRN#010	Authenticated Request		✓	✓	✓	Only accept a request to generate a credential and bind it to an identity if					F
44	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CRN#020	Unique identity			✓	✓	Ensure that the identity which relates to a specific applicant is					F
45	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CRN#030	Credential uniqueness	✓	✓	✓	✓	Allow the Subject to select a credential (e.g., UserID) that is					F
46	SECURE-5.	CREDENTIAL ISSUANCE	Entities that issue or manage credentials and tokens MUST do so	F	CM_CRD#015	Confirm Applicant's identity (in person)				✓	Prior to delivering the credential, require the Applicant to identify					F
1	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management	✓	✓	✓	✓	Specify and observe procedures and processes for the generation.	a) the physical security of the environment:				F/P

2	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	✓	Specify and observe procedures and processes for the generation.	b) access control procedures limiting access to the minimum number of		F/P
3	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	✓	Specify and observe procedures and processes for the generation.	c) public-key publication mechanisms:		F/P
4	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	✓	Specify and observe procedures and processes for the generation.	d) application of controls deemed necessary as a result of the service's		F/P
5	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	✓	Specify and observe procedures and processes for the generation.	e) destruction of expired or compromised private keys in a		F/P
6	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CTR#040	Specified Service's Key Management -	✓	✓	✓	Specify and observe procedures and processes for the generation.	f) applicable cryptographic module security requirements, quoting FIPS		F/P
7	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_POL#010	Unique service identity	✓	✓	✓	Ensure that a unique identity is attributed to the specific service.			F/P
8	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_POL#020	Unique Subject identity	✓	✓	✓	Ensure that each applicant's identity is unique within the service's			F/P
9	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#010	Authenticate Original Credential	✓	✓	✓	Prior to issuing any derived credential the original credential on	a) authenticated by a source trusted by the CSP as being valid and un-		F/P
10	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#010	Authenticate Original Credential	✓	✓	✓	Prior to issuing any derived credential the original credential on	c) issued in the same name as that which the Applicant is claiming:		F/P
11	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#010	Authenticate Original Credential		✓	✓	Prior to issuing any derived credential the original credential on	b) issued at Assurance Level 4;		F/P
12	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#010	Authenticate Original Credential			✓	Prior to issuing any derived credential the original credential on	d) proven to be in the possession and under the control of the		F/P
13	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#020	Record Original Credential			✓	Record the details of the original credential, the biometric sample			F/P
14	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	ID_IDC#030	Issue Derived Credential			✓	Only issue the derived credential in-person after performing biometric			F/P
15	SECURE-6.	CREDENTIAL UNIQUENESS	Entities that issue or manage credentials MUST ensure that each	F/P	CM_CRN#030	Credential uniqueness	✓	✓	✓	Allow the Subject to select a credential (e.g., UserID) that is			F/P
1	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CO_SCO#020	Limited access to shared secrets		✓	✓	Ensure that: These roles should be defined and documented by the CSP	a) access to shared secrets shall be subject to discretionary controls		F/P
2	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CO_SCO#020	Limited access to shared secrets		✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:	Level 3 or IV mit	F/P
3	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CO_SCO#020	Limited access to shared secrets		✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:		F/P
4	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CO_SCO#020	Limited access to shared secrets		✓	✓	Ensure that: These roles should be defined and documented by the CSP	b) stored shared secrets are encrypted such that:		F/P
5	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CO_SCO#020	Limited access to shared secrets		✓	✓	Ensure that: These roles should be defined and documented by the CSP	c) any long-term (i.e., not session) shared secrets are revealed only		F/P
6	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_CRD#010	Notify Subject of Credential Issuance			✓	Notify the Subject of the credential's issuance and, if necessary, confirm	a) sending notice to the address of record confirmed during identity		F/P
7	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_CRD#010	Notify Subject of Credential Issuance			✓	Notify the Subject of the credential's issuance and, if necessary, confirm	b) unless the Subject presented with a private key, issuing the hardware		F/P
8	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_CRD#010	Notify Subject of Credential Issuance			✓	Notify the Subject of the credential's issuance and, if necessary, confirm	c) issuing the certificate to the Subject over a separate channel in a		F/P
9	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_CRD#015	Confirm Applicant's identity (in person)			✓	Prior to delivering the credential, require the Applicant to identify			F/P
10	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_CRD#020	Subject's acknowledgement			✓	Receive acknowledgement of receipt of the hardware token before			F/P
11	SECURE-7.	TOKEN CONTROL	Entities that authenticate a USER MUST employ industry-accepted	F/P	CM_ASS#018	Ensure token validity		✓	✓	Ensure that tokens are either still valid or have been issued within the			F/P
1	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#010	Required evidence			✓	Ensure that the applicant is in possession of:	a) a primary Government Picture ID document that bears a photographic	multi-utility	NE
2	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#010	Required evidence			✓	Ensure that the applicant is in possession of:	a) a primary Government Picture ID document that bears a photographic		NE
3	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#030	Evidence checks – primary ID			✓	Ensure that the presented document:	a) appears to be a genuine document properly issued by the claimed		NE
4	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#030	Evidence checks – primary ID			✓	Ensure that the presented document:	b) bears a photographic image of the holder which matches that of the		NE
5	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#030	Evidence checks – primary ID			✓	Ensure that the presented document:	c) is electronically verified by a record check with the specified	with other	NE
6	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#030	Evidence checks – primary ID			✓	Ensure that the presented document:	c) is electronically verified by a record check with the specified		NE
7	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#030	Evidence checks – primary ID			✓	Ensure that the presented document:	d) provides all reasonable certainty, at AL4, that the identity exists and		NE
8	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	unreliable	NE
9	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	the holder	NE
10	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	a) If it is secondary Government Picture ID:	the gap	NE
11	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	b) If it is a financial institution account number, is verified by a	with other	NE
12	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	b) If it is a financial institution account number, is verified by a		NE
13	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID			✓	Ensure that the presented document meets the following conditions:	c) If it is two utility bills or equivalent documents:	not provided	NE

14	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#040	Evidence checks – secondary ID	✓	Ensure that the presented document meets the following conditions:	c) If it is two utility bills or equivalent documents:	NE
15	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_IPV#050	Applicant knowledge checks	✓	Where the applicant is unable to satisfy any of the above		NE
16	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#010	Required evidence	✓	Ensure that the applicant possesses:	a) identification from the organization with which it is claiming affiliation:	NE
17	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#010	Required evidence	✓	Ensure that the applicant possesses:	b) agreement from the organization that the applicant may be issued a	NE
18	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#020	Evidence checks	✓	Have in place and apply processes which ensure that the presented	a) each appear to be a genuine document properly issued by the	NE
19	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#020	Evidence checks	✓	Have in place and apply processes which ensure that the presented	b) refer to an existing organization with a contact address:	NE
20	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#020	Evidence checks	✓	Have in place and apply processes which ensure that the presented	c) indicate that the applicant has some form of recognizable affiliation	NE
21	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	ID_AFV#020	Evidence checks	✓	Have in place and apply processes which ensure that the presented	d) appear to grant the applicant an entitlement to obtain a credential	NE
22	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	CM_ASS#030	Proof of Possession	✓	Use an authentication protocol that requires the claimant to prove		NE
23	SECURE-8.	MULTIFACTOR AUTHENTICATION	Entities that authenticate a USER MUST offer authentication	NE	CM_AGC#010	Entropy level	✓	Create authentication secrets to be used during the authentication		NE
1	SECURE-9.	AUTHENTICATION RISK ASSESSMENT	Entities MUST have a risk assessment process in place for the	F/P	CO_ISM#030	Risk Management	✓	Demonstrate a risk management methodology that adequately		F/P
1	SECURE-10.	UPTIME	Entities that provide and conduct digital identity management	F/P	CO_ISM#040	Continuity of Operations Plan	✓	Have and keep updated a continuity of operations plan that covers		F/P
1	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CO_SCO#010	Secure remote communications	✓	If the specific service components are located remotely from and	a) implementing mutually-authenticated protected sessions: or	F/P
2	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CO_SCO#010	Secure remote communications	✓	If the specific service components are located remotely from and	b) time-stamped or sequenced messages signed by their source and	F/P
3	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	a) the physical security of the environment:	F/P
4	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	b) access control procedures limiting access to the minimum number of	F/P
5	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	c) public-key publication mechanisms:	F/P
6	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	d) application of controls deemed necessary as a result of the service's	F/P
7	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	e) destruction of expired or compromised private keys in a	F/P
8	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_CTR#040	Specified Service's Key Management -	✓	Specify and observe procedures and processes for the generation.	f) applicable cryptographic module security requirements, quoting FIPS	F/P
9	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_STS#020	Stored Secret Encryption	✓	Encrypt such shared secret files so that:	a) the encryption key for the shared secret file is encrypted under	F/P
10	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_STS#020	Stored Secret Encryption	✓	Encrypt such shared secret files so that:	b) the shared secret file is decrypted only as immediately	F/P
11	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_STS#020	Stored Secret Encryption	✓	Encrypt such shared secret files so that:	c) shared secrets are protected as a key within the boundary of a	F/P
12	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_STS#020	Stored Secret Encryption	✓	Encrypt such shared secret files so that:	d) shared secrets are split by an "n from m" cryptographic secret	F/P
13	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#010	Key generation by Specified Service	✓	If the specified service generates the Subject's keys:	a) use a FIPS AL140-2	F/P
14	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#010	Key generation by Specified Service	✓	If the specified service generates the Subject's keys:	b) only create keys of a key length and for use with a	F/P
15	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#010	Key generation by Specified Service	✓	If the specified service generates the Subject's keys:	c) generate and store the keys securely until delivery to and	F/P
16	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#010	Key generation by Specified Service	✓	If the specified service generates the Subject's keys:	d) deliver the Subject's private key in a manner that ensures that the	F/P
17	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#020	Key generation by Subject	✓	If the Subject generates and presents its own keys, obtain the	a) used a FIPS AL140-2	F/P
18	SECURE-11.	KEY MANAGEMENT	Entities that use cryptographic solutions as part of identity	F/P	CM_SKP#020	Key generation by Subject	✓	If the Subject generates and presents its own keys, obtain the	b) created keys of a key length and for use with a FIPS AL140-2	F/P
1	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	ID_IDC#010	Authenticate Original Credential	✓	Prior to issuing any derived credential the original credential on	a) authenticated by a source trusted by the CSP as being valid and un-	F
2	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	ID_IDC#010	Authenticate Original Credential	✓	Prior to issuing any derived credential the original credential on	b) issued in the same name as that which the Applicant is claiming:	F
3	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	ID_IDC#010	Authenticate Original Credential	✓	Prior to issuing any derived credential the original credential on		F
4	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	ID_IDC#010	Authenticate Original Credential	✓	Prior to issuing any derived credential the original credential on	d) proven to be in the possession and under the control of the	F
5	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RNR#010	Changeable PIN/Password	✓	Permit Subjects to change the passwords used to activate their		F
6	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RNR#020	Proof-of-possession on Renewal/Re-issuance	✓	Subjects wishing to change their passwords must demonstrate that		F
7	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RNR#030	Renewal/Re-issuance limitations	✓	d) cryptographically authenticate all sensitive renewal / re-issuance		F
8	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RNR#040	Authentication key life	✓	Expire after 24 hours all temporary or short-term keys derived during		F

9	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RNR#050	Record Retention	✓	✓	✓	Retain, securely, the record of any renewal/re-issuance process for the Subject's own credential:			F
10	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RKY#010	Verify Requestor as Subscriber			✓	Where the Subject seeks a re-key for a) if in-person, require presentation of a primary Government Picture ID			F
11	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RKY#010	Verify Requestor as Subscriber			✓	Where the Subject seeks a re-key for b) if remote: the Subject's own credential:	Confir Subje		F
12	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RKY#010	Verify Requestor as Subscriber			✓	Where the Subject seeks a re-key for b) if remote: the Subject's own credential:			F
13	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_RKY#020	Re-key requests other than Subject Submit Request			✓	Re-key requests from any parties other than the Subject must not be Submit a request for the revocation to the Credential Issuer service			F
14	SECURE-12.	RECOVERY AND REISSUANCE	Entities that issue credentials and tokens MUST implement methods	F	CM_SRR#010		✓	✓	✓	a) State the conditions under which revocation of an issued			F
1	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#010	Revocation procedures		✓	✓	b) State the processes by which a revocation request may be			F
2	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#010	Revocation procedures		✓	✓	c) State the persons and organizations from which a			F
3	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#010	Revocation procedures		✓	✓	d) State the validation steps that will be applied to ensure the validity			F
4	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#010	Revocation procedures		✓	✓	e) State the response time between a revocation request being			F
5	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#010	Revocation procedures		✓	✓	Ensure that published credential status notification information can			F
6	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#020	Secure status notification			✓	Ensure that published credential status notification is revised within			F
7	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#030	Revocation publication			✓	Establish that the identity for which a revocation request is received is			F
8	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#040	Verify Revocation Identity		✓	✓	Retain a record of any revocation of a credential that is related to a			F
9	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#050	Revocation Records		✓	✓	Retain a record of any revocation of a credential that is related to a	a) the Revocant's full name;		F
10	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#050	Revocation Records		✓	✓	Retain a record of any revocation of a credential that is related to a	b) the Revocant's authority to revoke (e.g., Subscriber or the Subject		F
11	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#050	Revocation Records		✓	✓	Retain a record of any revocation of a credential that is related to a	c) the Credential Issuer's identity (if not directly responsible for the		F
12	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#050	Revocation Records		✓	✓	Retain a record of any revocation of a credential that is related to a	e) the reason for revocation.		F
13	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#060	Record Retention		✓	✓	Retain, securely, the record of the revocation process for a period	a) the records retention policy required by		F
14	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVP#060	Record Retention		✓	✓	Retain, securely, the record of the revocation process for a period	b) applicable legislation, regulation, contract or standards:		F
15	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#010	Verify revocation identity			✓	Establish that the credential for which a revocation request is			F
16	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#020	Revocation reason		✓	✓	Establish the reason for the revocation request as being sound			F
17	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#030	Verify Subscriber as Revocant		✓	✓	When the Subscriber or Subject seeks revocation of the Subject's	a) if in-person, require presentation of a primary Government Picture ID		F
18	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#030	Verify Subscriber as Revocant		✓	✓	When the Subscriber or Subject seeks revocation of the Subject's	b) if remote:		F
19	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#030	Verify Subscriber as Revocant			✓	When the Subscriber or Subject seeks revocation of the Subject's			F
20	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#040	Verify CSP as Revocant		✓	✓	Where a CSP seeks revocation of a Subject's credential, establish that	a) from the specified service itself, with authorization as determined by		F
21	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#040	Verify CSP as Revocant		✓	✓	Where a CSP seeks revocation of a Subject's credential, establish that	b) from the client Credential Issuer, by authentication of a formalized		F
22	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#050	Verify Legal Representative as		✓	✓	Where the request for revocation is made by a law enforcement officer	a) if in person, verify the identity of the person presenting the request.		F
23	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#050	Verify Legal Representative as		✓	✓	Where the request for revocation is made by a law enforcement officer	b) if remote:	nt by ed leg	F
24	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_RVR#050	Verify Legal Representative as			✓	Where the request for revocation is made by a law enforcement officer			F
25	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_SRR#010	Submit Request		✓	✓	Submit a request for the revocation to the Credential Issuer service			F
26	SECURE-13.	REVOCAION	Entities that issue credentials or tokens MUST have processes and	F	CM_ASS#020	Post Authentication			✓	Not authenticate credentials that have been revoked unless the time			F
1	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CO_NUI#050	Record of User Acceptance		✓	✓	Obtain a record (hard-copy or electronic) of the Subscriber's and			F
2	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CO_SER#010	Security Event Logging			✓	Maintain a log of all relevant security events concerning the operation of			F
3	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_SER#010	Security event logs			✓	Ensure that such audit records include:	a) the identity of the point of registration (irrespective of whether		F
4	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_SER#010	Security event logs			✓	Ensure that such audit records include:	b) generation of the Subject's keys or evidence that the Subject was in		F
5	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_SER#010	Security event logs			✓	Ensure that such audit records include:	c) generation of the Subject's certificate:		F
6	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_SER#010	Security event logs			✓	Ensure that such audit records include:	d) dissemination of the Subject's certificate:		F

7	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_SER#010	Security event logs		✓	✓	Ensure that such audit records include:	e) any revocation or suspension associated with the Subject's			F
8	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	ID_VRC#020	Verification Records for Affiliated Applicants		✓	✓	In addition to the foregoing, log, taking account of all applicable				F
9	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	ID_VRC#030	Record Retention		✓	✓	Either retain, securely, the record of the verification/revocation process				F
10	SECURE-14.	SECURITY LOGS	Entities conducting digital identity management functions MUST log	F	CM_CSM#010	Maintain Status Record	✓	✓	✓	Maintain a record of the status of all credentials issued.				F
1	SECURE-15.	SECURITY AUDITS	Entities MUST conduct regular audits of their compliance with their	F	CO_ISM#060	Quality Management		✓	✓	Demonstrate that there is in place a quality management system that is				F
2	SECURE-15.	SECURITY AUDITS	Entities MUST conduct regular audits of their compliance with their	F	CO_ISM#080	Internal Service Audit			✓	Be audited at least once every 12 months for effective provision of the				F
1	USABLE-1.	USABILITY PRACTICES	Entities conducting digital identity management functions MUST apply	NCR										NCR
1	USABLE-2.	USABILITY ASSESSMENT	Entities MUST assess the usability of the communications, interfaces.	NCR										NCR
1	USABLE-3.	PLAIN LANGUAGE	Information presented to USERS in digital identity management	F/P	CO_NUI#010	General Service Definition	X	✓	✓	Make available to the intended user community a Service Definition that				F/P
2	USABLE-3.	PLAIN LANGUAGE	Information presented to USERS in digital identity management	F/P	CO_NUI#030	Due notification		✓	✓	Have in place and follow appropriate policy and procedures to ensure that it				F/P
1	USABLE-4.	NAVIGATION	All choices, pathways, interfaces, and offerings provided to USERS in	NCR										NCR
1	USABLE-5.	ACCESSIBILITY	All digital identity management functions MUST make reasonable	P	CO_ESM#030	Legal & Contractual compliance		✓	✓	Demonstrate that it understands and complies with any legal				P
1	USABLE-6.	USABILITY FEEDBACK	All communications, interfaces, policies, data transactions, and	NCR										NCR
1	USABLE-7.	USER REQUESTS	Wherever public open STANDARDS or legal requirements exist for	P	CO_ESM#030	Legal & Contractual compliance		✓	✓	Demonstrate that it understands and complies with any legal				P

What does TFP requirement(s) lack in order to achieve full equivalency with the IDEF Baseline	Text Gap?	Scope Gap?	Process Gap?	< or >? Inclusive
standard is general and is directed toward policy statement. standard is general and is directed toward policy statement. standard is general and is directed toward policy statement. standard is general and is directed toward policy statement. standard is general and is directed toward policy statement. standard is general and is directed toward policy statement. standard is general and is directed toward policy statement.		while IDESG requirement is specifically about		
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taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms. Note that IDESG taken together, provide various mechanisms.

Kantara requirement of legal conformity would include data

minimization is part of law,

[illegible][illegible]

requirement is considered
"critical policies, procedures, and
requirement doesn't include
compensating controls, but

See column Q

Random provisions anticipate access to applicant's unique identity.

Standard requirement appears to be contrary to IDESG

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standard requirements may be
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standard requirements may be
equivalent where "user requests"