pwc 羅兵咸永道

Independent practitioner's assurance report

To the management of Shanghai Electronic Certificate Authority Co., Ltd. ("SHECA")

Scope

We have been engaged to perform a reasonable assurance engagement on the accompanying management's assertion of SHECA for its Certification Authority ("CA") operations at locations as enumerated in Attachment D, for the period from April 1, 2025 to March 31, 2026 for its CAs as enumerated in Attachment A, SHECA has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its Certificate Policies/Certification Practice Statements ("CP"/ "CPS") enumerated in Attachment B,

- maintained effective controls to provide reasonable assurance that:

  - SHECA's Certification Practice Statements are consistent with its Certificate Policies; and

  - SHECA provides its services in accordance with its Certificate Policies and Certification Practice Statements,

- maintained effective controls to provide reasonable assurance that:

  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;

  - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;

  - subscriber information is properly authenticated (for the registration activities performed by SHECA); and

  - subordinate CA certificate requests are accurate, authenticated, and approved,

- maintained effective controls to provide reasonable assurance that:

- logical and physical access to CA systems and data is restricted to authorized individuals;
- the continuity of key and certificate management operations is maintained; and
- CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity,

in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.2.

SHECA does not escrow its CA keys, and does not provide certificate suspension services. Accordingly, our procedures did not extend to controls that would address those criteria.

Management's Responsibilities

SHECA's management is responsible for the management's assertion, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.2.

Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants as issued by the Hong Kong Institute of Certified Public Accountants (the "HKICPA"), which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Our firm applies Hong Kong Standard on Quality Management 1 as issued by the HKICPA, which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Practitioner's Responsibilities

It is our responsibility to express an opinion on the management's assertion based on our work performed.

We conducted our work in accordance with Hong Kong Standard on Assurance Engagements 3000 (Revised) "Assurance Engagements Other Than Audits or Reviews of Historical Financial Information" issued by the HKICPA. This standard requires that we plan and perform our work to form the opinion.

A reasonable assurance engagement involves performing procedures to obtain sufficient appropriate evidence whether the management's assertion of SHECA is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.2. The extent of procedures selected depends on the practitioner's judgment and our assessment of the engagement risk. Within the scope of our work we performed amongst others the following procedures: (1) obtaining an understanding of SHECA's key and certificate lifecycle management business practices and its controls over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate lifecycle management operations and over development, maintenance and operation of systems integrity; (2) selectively testing transactions executed in accordance with disclosed key and certificate lifecycle management business practices; (3) testing and evaluating the operating effectiveness of the controls; and (4) performing such other procedures as we considered necessary in the circumstances.

SHECA makes use of external registration authorities for specific subscriber registration activities as disclosed in SHECA's business practices. Our procedures did not extend to the controls exercised by these external registration authorities.

The relative effectiveness and significance of specific controls at SHECA and their effect on assessments of control risk for subscribers and relying parties are dependent on their interaction with the controls, and other factors present at individual subscriber and relying party locations. We have performed no procedures to evaluate the effectiveness of controls at individual subscriber and relying party locations.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Inherent Limitation

Because of the nature and inherent limitations of controls, SHECA's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorised access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection of any opinion based on our findings to future periods is subject to the risk that changes may alter the validity of such opinion.

Opinion

In our opinion, the management's assertion of SHECA, for the period from April 1, 2025 to March 31, 2026, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.2.

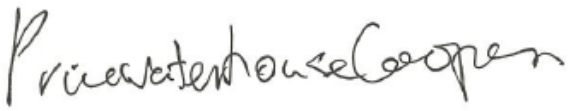
This report does not include any representation as to the quality of SHECA's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities v2.2.2, nor the suitability of any of SHECA's services for any customer's intended purpose.

Other Matter

Without modifying our opinion, we noted the incidents disclosed in Bugzilla (See Attachment C) during our procedures and have considered the nature of these matters in our risk assessment and in determining the nature, timing, and extent of our procedures. This included performing procedures to understand the root cause disclosed by SHECA and assessing whether the facts and circumstances identified during our examination are consistent with the disclosure. We also considered whether the procedures designed by SHECA, if implemented properly and operating effectively, would address the identified root cause. We did not perform any procedures subsequent to this report to assess the effectiveness of the controls implemented.

Use of the WebTrust seal

SHECA's use of the WebTrust for Certification Authorities Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.



PricewaterhouseCoopers
Certified Public Accountants
Hong Kong, 14 August, 2026

The maintenance and integrity of the SHECA website is the responsibility of the management of SHECA; the work carried out by the assurance provider does not involve consideration of these matters and, accordingly, the assurance provider accepts no responsibility for any differences between the accompanying management's assertion of SHECA on which the assurance report was issued or the assurance report that was issued and the information presented on the website.

Attachment A

The list of CAs and certificates in scope for the period from April 1, 2025 to March 31, 2026 is as follow:

Root CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
1	UCA Root G2	Root Key	sha256RSA	2048 bits	CN = UCA Root G2 O = UniTrust C = CN	E4BB2C9FB2B51C8831AF7FCBDCF4052BE085F701	A07919A6391BCD6E15FB33A41B43A938EF3D19CF54F0198EC29D02364BC5A0EC	UCA Root G2
2	UniTrust Event Certificate Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Event Certificate Root CA R1 O = UniTrust C = CN	D7418BEED45FC6E97D69108608AC7EE48BA0727E	3200B1BC5CF8F8BC0A382BD7809166A221600747DEC386D2625959CD75A28212	UniTrust Event Certificate Root CA R1
3	UCA Root SM2	Root Key	SM2	256 bits	CN = UCA Root SM2 O = UniTrust C = CN	EEE8B09CD5DCEC73FDEF7CFA502CC6C140E64CB3	307C77562B1532AE5FA6E63ED597CD54A0CBCC111F3598A7CCB2E19DD1351362	UCA Root SM2
4	UniTrust Global Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Root CA R1 O = UniTrust C = CN	3CA061B0EFDAC6E8BB2DE156A2EBBBB63D232381	81B35EFC42C77947209D76B51B5E7B122CE78348AE8C4525DC8D4B30289E5385	UniTrust Global Root CA R1
5	UniTrust Global Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Root CA R2 O = UniTrust C = CN	E45366B7B7A4E9D7CCC121E04ACFCCAC01BC72BC	78919B35D1C615595A51328A5C546083B4D5320724A258695B991F2F61C4DCC7	UniTrust Global Root CA R2
6	UniTrust Global Root CA R3	Root Key	SM2	256 bits	CN = UniTrust Global Root CA R3 O = UniTrust C = CN	3B15E62B1C9F5015B64EA16D163A558AF4905FB5	6A19BCC7FAD2A5664F779BF143A72A2B079AC476E56FACBA48C352635CB4718F	UniTrust Global Root CA R3
7	UniTrust Global SMIME RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global SMIME RSA Root CA R1 O = UniTrust C = CN	2E7C233EDD6396A24449FEAC6CB82388B8C868F3	F0F255ADA2A643C0A1E7C8F54F3ED3DD25EF0E7378E76F7C127517ECFD952803	UniTrust Global SMIME RSA Root CA R1
8	UniTrust Global SMIME ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global SMIME ECC Root CA R2 O = UniTrust C = CN	019FFAAC3E116DFE4D7A3912205EF40985313E4C	6F4E2464D216A1E0B558BB204259B4A545AEB948957AA3EAF11B2F4DE1AFEF10	UniTrust Global SMIME ECC Root CA R2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
9	UniTrust Global Code Signing RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Code Signing RSA Root CA R1 O = UniTrust C = CN	067A4B64AEB40DBD400829227D41EB115F5D1AB6	6357353A4BBCA3D5A158C95BE9DC90F0B3E2F6A6310FD5371FCB4C41E5E1BB4C	UniTrust Global Code Signing RSA Root CA R1
10	UniTrust Global Code Signing ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Code Signing ECC Root CA R2 O = UniTrust C = CN	AE5828DA2C5CA13B20036F308BB81112E52C2ABA	8854E81F9C6B47E438BBAE17E41F8BE4E68589AFD31A48BEE3F203F6DD3DA517	UniTrust Global Code Signing ECC Root CA R2
11	UniTrust Global Time Stamping RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Time Stamping RSA Root CA R1 O = UniTrust C = CN	CDBF8A7226F2CA5C32976578C53E3E79246BEA6D	1759727D9E6679B069DD3AFA910E2779C42007AAB206A169C66E6E2A3D1774B0	UniTrust Global Time Stamping RSA Root CA R1
12	UniTrust Global Time Stamping ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Time Stamping ECC Root CA R2 O = UniTrust C = CN	3E7B91A22AA9BDF183F2D1AB579CB9633E08AC85	90711D905CFF3C773A7320B5188A960C8A7D9E5966FA73284D64A4BF3E2FDA48	UniTrust Global Time Stamping ECC Root CA R2
13	UniTrust Global TLS RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	4BABE0E9328D5DAE17936F3DDAA2442BFBDD0873F92FB8D1FBBD3D9894649AD9	UniTrust Global TLS RSA Root CA R1
14	UniTrust Global TLS ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	6C689FC6B014A1FB0CDEB5A3996171C15E7286106028532E0210CEA8D9CD4E97	UniTrust Global TLS ECC Root CA R2
15	UCA Extended Validation Root	Root Key	sha256RSA	4096 bits	CN = UCA Extended Validation Root O = UniTrust C = CN	D9743AE4303D0DF712DC7E5A059F1E349AF7E114	D43AF9B35473755C9684FC06D7D8CB70EE5C28E773FB294EB41EE71722924D24	UCA Extended Validation Root
16	UCA Global G2 Root	Root Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	9BEA11C976FE014764C1BE56A6F914B5A560317ABD9988393382E5161AA0493C	UCA Global G2 Root

Cross-signed CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
17	UniTrust Global TLS ECC Root CA R2	Signing Key	sha384RSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	8ED6FA47B14DC79C85ED5C4CE2C67B2F2F96D2B9054690F28BF2DFE9A5770DF0	UCA Global G2 Root
18	UniTrust Global TLS ECC Root CA R2	Signing Key	sha384RSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	F2384371C93EB284166FD07A34F211FAA697B6FC20D4D31F7A8E4A3283CA3FF1	UCA Global G2 Root
19	UniTrust Global TLS RSA Root CA R1	Signing Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	E4C25DE1B285B3C45358EF12583A1AA78DB148D0D294F8798339451FC1910542	UCA Global G2 Root
20	UniTrust Global TLS RSA Root CA R1	Signing Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	50404B08111323C691E1695737556E4AFCDCC87EADD22C5503B6D03392AADDDF	UCA Global G2 Root
21	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BB61408AED9F530B2EC0545E53BA2C8EBEAA57D9976447DB1663CED4600CD6B7	Certum Trusted Network CA
22	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BFA95C5DF164B659FA32F6D10564D7170DDE661A853A782E6AB63639433BCB41	Certum Trusted Network CA

Sub CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
23	SHECA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA G2 O = UniTrust C = CN	5688DEE3184382B772A426EB44A962D087C4AC26	69275DE8AF892E26E1B5339A664C194550799372F13CA6FB4966408F6A43C5B4	UCA Root G2
24	SHECA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA G2 O = UniTrust C = CN	5688DEE3184382B772A426EB44A962D087C4AC26	23434A3078ADBE51DF267504F5655107ED1AA4E555D3DF21F479F1B4E4610A08	UCA Root G2
25	SHECA Event Certificate CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA Event Certificate CA G1 O = UniTrust C = CN	2A4D7575347FFFB46A57513816FFA99EEAAF0F4F	32AE6837AEF2DABBC8C19385A57A19FC97F6BDB8384B1ADCCDEAED3A891A3A0F	UniTrust Event Certificate Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
26	Orient Fortune Securities Co., Ltd Identity CA G1	Signing Key	sha256RSA	2048 bits	CN = Orient Fortune Securities Co., Ltd Identity CA G1 O = 东方财富证券股份有限公司 C = CN	8F155742AFDF87B618F8622DAB2E07091A796249	115250822139D3C6A49C821ABB19630FAC617190DAA3CF7373D3C95F082CBDF7	UniTrust Event Certificate Root CA R1
27	Eastmoney Futures Co., Ltd. Identity CA G1	Signing Key	sha256RSA	2048 bits	CN = Shanghai Eastmoney Futures Co., Ltd Identity CA G1 O = 上海东方财富期货有限公司 C = CN	D09AE4CC4499268F8D72F83789C45F3F11B7BA8D	B4800869058B4B74CA970B3414FEDE2F676D90F979E4961325AD72B13ABE8866	UniTrust Event Certificate Root CA R1
28	UniTrust DV Secure Server CA G4	Signing Key	SM2	256 bits	CN = UniTrust DV Secure Server CA G4 O = UniTrust C = CN	ADA611696054F898CED269542A29DF239484E833	68B5E5FCA21925C5AF6628341FE6DBD187C6E66AEEF5F58295DCD7238FF56AD8	UCA Root SM2
29	UniTrust OV Secure Server CA G4	Signing Key	SM2	256 bits	CN = UniTrust OV Secure Server CA G4 O = UniTrust C = CN	D6546FA6587275420BF204794C4C6DE4368A8BD5	E75A9D14B5C5FF14779F0DC8A7889EE757788DC82706D95B4E2AF039098FA72C	UCA Root SM2
30	SHECA SM2	Signing Key	SM2	256 bits	CN = SHECA SM2 O = UniTrust C = CN	893104917B43AAAA9ABF841D9B86EEF0B87099A0	F5F6192276AED2141B3A66FD66724D46C5A58CACF618CAA5B5AA546ED5865207	UCA Root SM2
31	TrustAsia SM2 DV TLS CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 DV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	1B40CF756BB3E9D42B6AE0CCA449D5A26FE48F2A	FB812E1561383E0020103977D7E64D18B3587BC092F9DEC67600DE2A8493352C	UCA Root SM2
32	TrustAsia SM2 OV TLS CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 OV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	3623100989022D63A4C9E816BC531490AA2A01F7	2DBE68A196611EC658022F62607FBC0AA2000FD3147028EB2B16355B6D296EDF	UCA Root SM2
33	TrustAsia SM2 Identity CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 Identity CA - S1 O = TrustAsia Technologies, Inc. C = CN	73075D5EFBF48320ED005F013AD1930E3FF432F2	BACE521585871388E4B3ECF44B5B4A965CCFD995C72D8813B61E643C77F1298D	UCA Root SM2
34	SHECA SM2 Identity CA G1	Signing Key	SM2	256 bits	CN = SHECA SM2 Identity CA G1 O = UniTrust C = CN	687C2F9B2E68A2DFCE11115411A6B60E6CEE2520	490BA44A5C4061D487EF1C945EC4889770A1F31299F0083045192D8978C25D7E	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
35	CECloud Secure Server CA V1	Signing Key	SM2	256 bits	CN = CECloud Secure Server CA V1 O = 中国电子系统技术有限公司 C = CN	3D017054EBD1DAE2FA72558A7B4AD4112EC2789C	D973269DE727110F2577F12FC7039F204C8688F90479A60A6D918181E96BC921	UCA Root SM2
36	CT2 DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 DV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	4C1A3411A3416DE899A4B670626764EA7CF2A784	1D00F1814BB2A20D578BA255B6F80D6F831CA7302BE28E446FB2530BEE90CBEA	UCA Root SM2
37	CT2 OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 OV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	6C5DF638967FADECC1F4352AEE7B53772AD4AE56	68A9EC5F347044CA199D0C227BBAF1167FB19C9F1C2718ED1A0CBA53AA095B8B	UCA Root SM2
38	CT2 EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 EV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	34F2351E936044F2951DDE201F7FEBAAF61A1465	7F0CC711C115AEF7FE38707945FE116E11CDA4D39343A3194F01A01A6AFDA86A	UCA Root SM2
39	KeepTrust DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust DV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	343B9BF590205E0D98DA77EB32C59EF95397A96F	B5D123DF7246E26A98C1BF96B8EB817F3E4300F014818959353C6B1FBA603446	UCA Root SM2
40	KeepTrust OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust OV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	071E11176177C996A40ABC42F9789CBABD493114	003F65AF71B13A6E73081A44E4C14B5E3B60F02064285F00C46F93AD3A7F8769	UCA Root SM2
41	KeepTrust EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust EV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	7539B83459BDC90FDF2F9EB1777AB785A4B92DB3	18A4E716F150E9B98350502F9DB956CAA8A134F49C159BB4998AF0835010D139	UCA Root SM2
42	SHECA EV TLS SM2 CA G4	Signing Key	SM2	256 bits	CN = SHECA EV TLS SM2 CA G4 O = UniTrust C = CN	3FED031972F260AF185B2DD99735E1D7985C958D	6FF668D6CC32F96E56C776C49534A9698742C245396BE06029F1DF7F18B1D615	UCA Root SM2
43	DNSPod DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod DV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	7EA2D174C8475067B0780812F2D3F402E3D005A9	C1245B9C48D1B0889DE62D22092E20ECBBD150C8ACE738B9E495F41ADA782AAD	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
44	DNSPod OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod OV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	BDF1F484808D223851B9C79662FC596F3DC820AA	8FDD10BD38AB8AA8C541CCFCC637F50F8B667E86C7DCAD02061614EAB53462E3	UCA Root SM2
45	DNSPod EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod EV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	F6AEE376BEAFC14367F0C11D16A2A4A88D935D8C	3A381E099528FCEC2D94B3433D469F737543C0020C34E46CAA9E4EFF288A7AB2	UCA Root SM2
46	Keymatic Secure Domain SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Domain SM2 CA G1 O = PKI(Chongqing) Limited C = CN	1064E31D4774548526E2169E17E0E4E58F672FE3	077114080656553F7C2C0235311FAD3BDA492958C2E2AE8E720960565AEB9585	UCA Root SM2
47	Keymatic Secure Business SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Business SM2 CA G1 O = PKI(Chongqing) Limited C = CN	E81A57AF0C015AC3731CF3912F882D761C1408DF	676224C3F6E4EFF575F04073AC57AFD17C2A7D4270E5C19BB284C738F0E3C421	UCA Root SM2
48	Keymatic Secure Site EV SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Site EV SM2 CA G1 O = PKI(Chongqing) Limited C = CN	547FF1C3D65BAEA46A9DACADEA94E8E18749D4A6	3DA7919952037C7D1F962A37A4EA9026C8483C2C4AFE3E756FD3345DCF6BC150	UCA Root SM2
49	sslTrus SM2 DV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 DV TLS CA G1 O = sslTrus C = CN	F921F5B4756F5159429644147A63F443195BAC9A	BDE9CF0D1D0A60EA891C037CBA7CC0D6036B2140319C7A80E46D9CA38FAC2C4E	UCA Root SM2
50	sslTrus SM2 OV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 OV TLS CA G1 O = sslTrus C = CN	DD18CA5E337DD2EECCF5AB1614E3559B43CFCB32	6C25FD7209E61908919204027B8DECC4A0C07469A99A53D66798FB96FF8A0EC7	UCA Root SM2
51	sslTrus SM2 EV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 EV TLS CA G1 O = sslTrus C = CN	EB3B9889FD7B8E7161C4F4D7D2C1BC73433AFA52	65F06D7C7332F184A36B5C8ABB2F6FC4DECA452499586A29693C3A4BF6D3955A	UCA Root SM2
52	CT2 DV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 DV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	3AE75BB80E932502DEA7581D0591ACE3A8DD5276	10C8C1C04133968F5DEC3FDE16D86A9A600B88B3D09D791EC5DF4DE385A94C37	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
53	CT2 OV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 OV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	918FD5F6905D1DC179ED85D0D51C9FAC4EEA5ABD	509292F2310A82903FA093F08C57979BDE2D8233F677FF6A4A9297C6E59A505E	UCA Root SM2
54	CT2 EV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 EV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	6EB25F438222CCB4D70C55634BA80D438BF700ED	95D4E65218BA758C5F16DF8C4D15CC2035E92111C32C258FAEA3862FEACDC0C8	UCA Root SM2
55	cerschool OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = cerschool OV TLS SM2 CA G1 O = 赛尔教育科技发展有限公司 C = CN	FEC19C27DE79384180947A01DEE42B1A6E02F672	6B079E43E605C206AC6F287F5AC8B3E4D398642945830329EF931B537FFE688F	UCA Root SM2
56	SHECA DV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA DV Server CA 1A O = UniTrust C = CN	653740E0BBF43905206A8C9CA0ACB3BBD6968CA0	D3D4A040BB41A695A96E3AAD93814CF7EF219D5819206E947B44DCC5B8E5E272	UniTrust Global Root CA R1
57	SHECA OV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA OV Server CA 1A O = UniTrust C = CN	8CD02E82008EE2DEFF71F61A105C74A826E858D1	9A3DB0F0FB0FF4F974A4E0C510A7C13D350485B1E6CDF5A899BB24D0F499E9BD	UniTrust Global Root CA R1
58	SHECA EV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Server CA 1A O = UniTrust C = CN	73E36DF62D862F57DF69A53687231C85E0170216	2F1CA1A5C0D7AE58C7ADFC69D4C57EE815F39C0F3D1F982E3AC76D25AB723995	UniTrust Global Root CA R1
59	SHECA Code Signing CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing CA 1A O = UniTrust C = CN	21B34B4FC6DD33246E861BACEBF182D7EFCA2CDA	59E3EF6680BCC0B1162DED4929D37E698C6A5CBEE075C03F1173AD653CF91CED	UniTrust Global Root CA R1
60	SHECA EV Code Signing CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing CA 1A O = UniTrust C = CN	510BE3C14EABDFEA38FF434E2C97339C0BFC27A9	03E04A3C2B5200BB27C679A37261852BAC7D46F3F371E4ECA80225AE288E4CFC	UniTrust Global Root CA R1
61	SHECA Time Stamping CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA Time Stamping CA 1A O = UniTrust C = CN	8FBFB44A46F647EDF6EB8A0B5E1609430896FA46	2DFDBF6CEC0587B55F1300F109BC46EFD16BC7EB5F43CAE563953D87C7B432C4	UniTrust Global Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
62	SHECA DV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV Server CA 2A O = UniTrust C = CN	A1221170BEC8665F6ECB104C4EDB38EA9C1F914D	69201DC24E4127FFA5B41A0DDF0A1A005C00F334B003F1008924CBF998E1827C	UniTrust Global Root CA R2
63	SHECA OV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV Server CA 2A O = UniTrust C = CN	98CDEC338767F39422373810B735BA7C683A8259	8E2CA2825C2039804A7A1CC54B002EA1DB30AC489698F039527BF1602132F611	UniTrust Global Root CA R2
64	SHECA EV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV Server CA 2A O = UniTrust C = CN	44661C71EF69B7930AB5B771D83B114CFA843D77	93E49170D20F54DA701118A5ABDCDDA4FFCF334CDB2D8D80599AB62848C85F80	UniTrust Global Root CA R2
65	SHECA DV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA DV Server CA 3A O = UniTrust C = CN	26924A66CDEDA9AD2DD7D0AE53C5DE95436A2C61	E464F2E140327DA8326C53A2FBA322F183E6DEFC56888A0811195265650BCAD1	UniTrust Global Root CA R3
66	SHECA OV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA OV Server CA 3A O = UniTrust C = CN	6F465A89CFB174BB558EB3A56D08093233E36D2F	19B057AB0827E37C8EB2EA7C04292068A253A3BEDC0C45848881C0BA78E717CF	UniTrust Global Root CA R3
67	SHECA EV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA EV Server CA 3A O = UniTrust C = CN	988B07A078C97576AF0CA1A723E87F4E9B482689	7F4A5FBCA47F8904D0AEA5D3BFA5759C4768BA6510EB1FEB5E5B076D12907741	UniTrust Global Root CA R3
68	SHECA IV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA IV SMIME RSA CA 1A O = UniTrust C = CN	0731D082BC0A0AEF2F464617AF73F5C05E3976BE	82BA6F1067468383757DF53F1628258043BBB972E1CAD31FD7AAD0ADD66A5B53	UniTrust Global SMIME RSA Root CA R1
69	SHECA MV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA MV SMIME RSA CA 1A O = UniTrust C = CN	838975C497C317A6532B73F31C7FBCAEA2FE1E90	92148A115D26B287254B36164164B2220EE36B405D3B708CF5B7AB060C66B1FE	UniTrust Global SMIME RSA Root CA R1
70	SHECA OV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA OV SMIME RSA CA 1A O = UniTrust C = CN	82964C637D30CB2841C53AC7E84D1EB99489FF5A	6B661B964F2359C4CA68355243A2EEEDA9BACDA191D103A0C1119EC892018AC7	UniTrust Global SMIME RSA Root CA R1
71	SHECA IV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA IV SMIME ECC CA 2A O = UniTrust C = CN	983BC3F8CEA554065FB1CD3F99F4B76AB2C22EC5	E82D794C1AC79F9BEBF3B6D98A237F84C15FD40C3ABB86C2214E699414F8FF54	UniTrust Global SMIME ECC Root CA R2
72	SHECA MV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA MV SMIME ECC CA 2A O = UniTrust C = CN	D9B98D06C0DBD56A3497D7A9B0E9AE8B61B9F032	D7C4AB9D315AE8B889DA902C55264295D8CDC0F5471370490F4D4585E2C3C6D3	UniTrust Global SMIME ECC Root CA R2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
73	SHECA OV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV SMIME ECC CA 2A O = UniTrust C = CN	1CD15D6061277F084A21AD9518E43191D639DC18	229B7FBCA2361DE63171067DE91DFFB3D2FA71A5ABE51CA41D5300C5750D2F0E	UniTrust Global SMIME ECC Root CA R2
74	SHECA Code Signing RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing RSA CA 1B O = UniTrust C = CN	046DED1C4A44C827558CD17D7B17CC0C539579DE	4C5F7C561295B97FE7616389A2B549A0D4598D0BD15EBFEA53AB518714CB8434	UniTrust Global Code Signing RSA Root CA R1
75	SHECA EV Code Signing RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing RSA CA 1B O = UniTrust C = CN	7E2561771672AEE063F1C07B7CAC6F3AAE44CDC3	A85CBD3FD9F3BFE220DE0A09B52D5AA6F627EE9297FEFCE8706073A41B993C79	UniTrust Global Code Signing RSA Root CA R1
76	SHECA Code Signing ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA Code Signing ECC CA 2A O = UniTrust C = CN	30268A3585381C0EA92D90ED949365E789EB267E	953707AE07AF34970462E8C02AC3D10949D3684D063385277F31869508007D23	UniTrust Global Code Signing ECC Root CA R2
77	SHECA EV Code Signing ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV Code Signing ECC CA 2A O = UniTrust C = CN	17588CCB8DCA31FF1FA5084A3F39489216F7D66F	545BD126658352B306EE74185173F1774A79467A26E9BB6AE0ED44D86615DE5A	UniTrust Global Code Signing ECC Root CA R2
78	SHECA Time Stamping RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA Time Stamping RSA CA 1B O = UniTrust C = CN	CC140216769CC1FCECFCA02C90C63AB0B6A36181	9A46D52B0F6A913E6BF3EE6DCFE08B2664DEE2AF704FD4931E8D0C38F3D76D00	UniTrust Global Time Stamping RSA Root CA R1
79	SHECA Time Stamping ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA Time Stamping ECC CA 2A O = UniTrust C = CN	35CDBC6319E68ECDA7AFDCEE01628D6303DE8604	0E3FC096DDCC3205047F9042D57882A1144107243C47CDE6FFFDE403A5B7CA04	UniTrust Global Time Stamping ECC Root CA R2
80	SHECA DV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA 1A O = UniTrust C = CN	92917E0BCF0C5C108AB5944E420C561042A449EB	FFABEA74895DC0C78C224597472CF6937E0D740EF49DC2256C8E75A2A2A15EDE	UniTrust Global TLS RSA Root CA R1
81	SHECA EV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA 1A O = UniTrust C = CN	405C000B86462082A0BFB2C60063410365662F04	B2525A5966CA68CA7F504F0A21FD73847D174F89B48852A3E970588E1EAFC774	UniTrust Global TLS RSA Root CA R1
82	SHECA OV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA 1A O = UniTrust C = CN	D8D5D85A1825366A16C2F72FA40FAA25A45F1296	7F8EF707C2D9A4B7D4ED5FDDC8AF4A64D99BF297D03F8F01C4375DE74B1C7DE1	UniTrust Global TLS RSA Root CA R1
83	SHECA DV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA 2026 S1 O = UniTrust C = CN	3CA7BD49C202F617A595A65C4E73267416CD7624	B2292E872A1D842781A4820BDC1F65B83378A5A43ADA17D6162FB81DCD661C13	UniTrust Global TLS RSA Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
84	SHECA OV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA 2026 S1 O = UniTrust C = CN	F217ECED9B7C74A445213B1609A33D6A47C7A1CC	ABCF1196899441D6407014518963A1A3FA26B22A2DC91710844585819890CC4B	UniTrust Global TLS RSA Root CA R1
85	SHECA EV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA 2026 S1 O = UniTrust C = CN	197C4FE5F58C6BFD7EEB9AA02D1E78444CF1FFF7	B0CBFA69D8D4F658CF761C2B0CF73B84A90022EF5B977B13E06EC42B913DE1F1	UniTrust Global TLS RSA Root CA R1
86	SHECA DV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV TLS ECC CA 2A O = UniTrust C = CN	DB6AAFECB474119D57B1CF3BAEAC843E6C9BC486	D690D8722EA89CD7617901449520653339386AC4939F7EC5C1B195D9C3C95FA4	UniTrust Global TLS ECC Root CA R2
87	SHECA EV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV TLS ECC CA 2A O = UniTrust C = CN	6DB05C0FE4066E45643147106EA3F20327D3ACBC	05E4C4B1F258030690E6793C9C13C6F6AE234F68E5C41236FDC919B7F589032F	UniTrust Global TLS ECC Root CA R2
88	SHECA OV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV TLS ECC CA 2A O = UniTrust C = CN	DDEB85D841287CE9E5EC9756063A22E1FED171C7	08BA64405A3406C97BDCBD0E44224E6DD341F3EC93F1368457DFA7CAC88BE150	UniTrust Global TLS ECC Root CA R2
89	SHECA DV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV TLS ECC CA 2026 S1 O = UniTrust C = CN	6C1E5109B5F091FEE70F964CC366452F0C1231FC	82CC3368931DFC9ECB3927EBBDACFA04366DD43D81F1343FEB61BB8E59E6EBD6	UniTrust Global TLS ECC Root CA R2
90	SHECA OV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV TLS ECC CA 2026 S1 O = UniTrust C = CN	07CCEA101A5E5C36F26664EE5B13D091B1FE7980	CF4D8C93933C09E1457429DDDE814E88BCE8DB9CAE5AF175660A7142C319DDA8	UniTrust Global TLS ECC Root CA R2
91	SHECA EV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV TLS ECC CA 2026 S1 O = UniTrust C = CN	C1BAAF0B91C9D8C786E14C722B965CE2272E1B9D	2C0B55DF3E6F26B4133CD04AE7B7A62F1DCEFD4C27E7D73A30CB25D914786E98	UniTrust Global TLS ECC Root CA R2
92	SHECA RSA Extended Validation Code Signing CA	Signing Key	sha256RSA	2048 bits	CN = SHECA RSA Extended Validation Code Signing CA O = UniTrust C = CN	8E40665F6AA940C2B9F1F04A22639564593707E5	D404FAFA4BA2F426B66CD219C6DA84F91C0FB7CB58429EC8077E2A764314D55D	UCA Extended Validation Root
93	SHECA EV Code Signing CA G2	Signing Key	sha256RSA	3072 bits	CN = SHECA EV Code Signing CA G2 O = UniTrust C = CN	5007CC4DF6F4BA37FC13CE1F2D22C956D89EA503	DD84169585A2E7A216AECD4083265A8EB51A64F7C6F1943671F8584C73F79A74	UCA Extended Validation Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
94	SHECA OV Server CA G7	Signing Key	sha256RSA	2048 bits	CN = SHECA OV Server CA G7 O = UniTrust C = CN	A0F344BA17512C7776AB4442C5534B16AB5F0DAA	F6F8BCD413C9733166E85843B468DD36E727152D9A37B15129C0E7648ECEE639	UCA Extended Validation Root
95	SHECA Extended Validation SSL CA	Signing Key	sha256RSA	2048 bits	CN = SHECA Extended Validation SSL CA O = UniTrust C = CN	4D140DEA6B559C0CA6E1BB7BE86A966D175E7CB5	25BFDB1C5FE2CCE051EC6DFBF2BB24E78C92F969B1BB37867DAEDF93D1A7AE7E	UCA Extended Validation Root
96	SHECA EV Code Signing CA G3	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing CA G3 O = UniTrust C = CN	6D325FA74CC0EEC89B7C6A3C0F2E33CA55EB99A8	E00AC33AC715D8BC3B6607A4165AE8428F9274B4224AB3D8CF36E8C8D62834A3	UCA Extended Validation Root
97	SHECA EV Server CA G3	Signing Key	sha256RSA	2048 bits	CN = SHECA EV Server CA G3 O = UniTrust C = CN	54E972FB78669FE5CBF33B8F98465553739C0B84	7EF3F89456CE636557B20C5DFB37F98C253A0B660D2E9E5E7845CAF9C038C7C1	UCA Extended Validation Root
98	SHECA EV TLS RSA CA C1	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA C1 O = UniTrust C = CN	8A4E9A2D57D50731375FE5B8510789630B804877	15F4F5D5A8D6DED4CDD54CE4E1B367203B7F2CDF416104BA5D6405AF55AC8045	UCA Extended Validation Root
99	SHECA EV TLS ECC CA C2	Signing Key	sha384RSA	384 bits	CN = SHECA EV TLS ECC CA C2 O = UniTrust C = CN	AEAFD7E1680007D1875357883EDDF298E3C8983C	E3BF9CA7BC56D03EE6BAE52E3FBA47CAFE4198F2A026C8278087D82B951E428C	UCA Extended Validation Root
100	SHECA EV Server CA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA EV Server CA G2 O = UniTrust C = CN	86B148C0420A9C6F81FC4FDCD10F184BAAB5A6EA	4216527163AD2CAA825D3BF48F61A7661D0ABC89B58AB76B23A1E10999F0769F	UCA Global G2 Root
101	SHECA Code Signing CA G4	Signing Key	sha256RSA	3072 bits	CN = SHECA Code Signing CA G4 O = UniTrust C = CN	73C3B39021CBF23BDA23D351F295C58BC678EE47	8F0C3E06A16E3EA7C9B15A848076ED15E51DA0B6F1AFA274EDE2B9102191FE0F	UCA Global G2 Root
102	TrustAsia RSA DV TLS CA - S1	Signing Key	sha256RSA	2048 bits	CN = TrustAsia RSA DV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	9432E0D48ACD1D93E75C5372960C5EF1F3F67972	074ADD7F1E73EB110EC8E2B78A92C51CF5A451135B6F7DEFC019EE9D74BFA4D6	UCA Global G2 Root
103	TrustAsia RSA OV TLS CA - S1	Signing Key	sha256RSA	2048 bits	CN = TrustAsia RSA OV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	F575D48E293E17A8A9C49EDCE6DB0A344D132AEB	D16BA9ACB74FEE4AA8087EE482E86E7F6F5F55FAC5025639730753FE1E705E3C	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
104	SHECA Time Stamping CA G2	Signing Key	sha256RSA	3072 bits	CN = SHECA Time Stamping CA G2 O = UniTrust C = CN	CFDD9E670A6CB17E2C1A4F595387B2369BF96994	422C71F8DB9FDA2C65458B52363DB6FDC4E37B436774BCF97518F3F42EC725F1	UCA Global G2 Root
105	SHECA SMIME CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA SMIME CA G1 O = UniTrust C = CN	1FA80B4DCF9CA6A53ADAB096AB9957B90A9B7F5D	8100D384D6C4529883C37C37C68FD4903C41CCBCB9033A9C733A6AF0806E1DE7	UCA Global G2 Root
106	SHECA MV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA MV SMIME RSA CA G1 O = UniTrust C = CN	4F111E8FD4506500D7CE565190AF012BFB143845	C064FAB74E8723164932A25CFB6708106E1E5A3A05CFD1079B1DCF52792C5908	UCA Global G2 Root
107	SHECA IV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA IV SMIME RSA CA G1 O = UniTrust C = CN	E010A54E644A8F605F134C5C108E742C0168BBE5	2A1AAA3E4D7C6EC8BE083BDBDD247153A88D51F1226FD9691B872AE23D166BFF	UCA Global G2 Root
108	SHECA OV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV SMIME RSA CA G1 O = UniTrust C = CN	E3B8865D1EF2FF2146219648BD54022EC93BC85C	73BA9F7AE0924F3567F0280568A7050A58C9C4855DE0686C2FDC48522EB86D2D	UCA Global G2 Root
109	SHECA Code Signing CA G5	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing CA G5 O = UniTrust C = CN	4CF2087E0172B6C0A36E0655B0F20C06293CE53F	51984B5D20306FE69008A5B5EE5643E5BF416443330910653F00A21B609B2D23	UCA Global G2 Root
110	SHECA Global G3 SSL	Signing Key	sha256RSA	2048 bits	CN = SHECA Global G3 SSL O = UniTrust S = Shanghai C = CN	9820F0F1D942A6DE833F991019003D6868D20181	AEFFE4335EE56422E927F45E95AE142B9EB35979A7400569AE9BDEA6CAABC1DC	UCA Global G2 Root
111	SHECA DV Server CA G5	Signing Key	sha256RSA	2048 bits	CN = SHECA DV Server CA G5 O = UniTrust C = CN	D8E7061B645FAB3008887A2453AAE11C8304BF6D	778C516DAEC700EE58B3581E411E5C0DD478663A5163A29895341507D6E964DD	UCA Global G2 Root
112	SHECA OV Server CA G5	Signing Key	sha256RSA	2048 bits	CN = SHECA OV Server CA G5 O = UniTrust C = CN	0379A38D525FD4E988921F4358542502F4878B7E	8AB3A0ACF289E6EF754BE449236843D67F45C191BDDD66484B85E6E60556A9AF	UCA Global G2 Root
113	Xinnet DV SSL	Signing Key	sha256RSA	2048 bits	CN = Xinnet DV SSL O = 北京新网数码信息技术有限公司 C = CN	9D3AA5B8E2212783643FF578DC22B04E6BCB36D4	9C53902F9501F6D89766999DBE2AD1A1436420B652535CDC2DC51CCFE2FFEE68	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
114	Xinnet OV SSL	Signing Key	sha256RSA	2048 bits	CN = Xinnet OV SSL O = 北京新网数码信息技术有限公司 C = CN	4B78C0324A2442784E9F83F0D0FE336C7E0D934F	3C07D7EFC8D458F668C10D4F06F90503CCD25D59E2B3F1D58B32884D9E4E3809	UCA Global G2 Root
115	JoySSL DV Secure Server CA G1	Signing Key	sha384RSA	3072 bits	CN = JoySSL DV Secure Server CA G1 O = JoySSL Limited C = CN	2A56E8EF40E0A9999D6DD8129FB79B056B882DED	AA9CD0737407E9E9D9D86B145A2CFD7CD385C28BCF5996AA8D9A6DA5FC76F3A2	UCA Global G2 Root
116	JoySSL OV Secure Server CA G1	Signing Key	sha384RSA	3072 bits	CN = JoySSL OV Secure Server CA G1 O = JoySSL Limited C = CN	6BF2449C86D0C6DED85107661B2748792342CB95	0DD33FA366CA02808D29A5C1C456496AB5015C3604EB21C101406AF2533D998A	UCA Global G2 Root
117	KeepTrust DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = KeepTrust DV TLS RSA CA G2 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	088B0DF30B0966297021D02C377300F5A7F4E7E9	352582CCC85B3944E3CD2505D9318F22ABEA418BFF29A0FE4D2C0DF280F200E3	UCA Global G2 Root
118	KeepTrust OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = KeepTrust OV TLS RSA CA G2 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	F68D3850B96EA8BEFC50CA91247F1ABC9EA39D4D	CD50559A6DC5C704237EABF9A070B79F0CDFC1A79C3A6AC8C5E71E295A065D0A	UCA Global G2 Root
119	ZoTrus RSA DV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA DV SSL CA G1 O = ZoTrus Technology Limited C = CN	EC1EBCB71E092769EFA715E89AA1677C33AA0F5A	E7EF1AD946214B32AF03CC287930D0464ED2C086D7A1447C6E27FC9217D4E16B	UCA Global G2 Root
120	ZoTrus RSA OV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA OV SSL CA G1 O = ZoTrus Technology Limited C = CN	A0FA64A37EB83C7C194C51B7FE6A2BE8A39F78A4	3EC123D71DB27AE1DC8F877286C222F4167A2AE4FD7BCF370789EF4A9521B8	UCA Global G2 Root
121	JoySSL DV Secure Server CA	Signing Key	sha384RSA	3072 bits	CN = JoySSL DV Secure Server CA O = JoySSL Limited C = CN	807B3118B837D850FD1C4AD9879A5E426D00A1A4	9C6DA141CB394CE6B971A23F988647FF4442E798F0718771B5485A0CC7402335	UCA Global G2 Root
122	JoySSL OV Secure Server CA	Signing Key	sha384RSA	3072 bits	CN = JoySSL OV Secure Server CA O = JoySSL Limited C = CN	21507E5079E680B202C0FBC1AFAD8026DC52B8DD	ACA090CBDBDD35520B22EC3CF7032655BA16A2C800F804B3AAB7F865FA6FC387	UCA Global G2 Root
123	KeepTrust DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = KeepTrust DV TLS RSA CA G1 O = Shanghai Huandu Info	5063446A28FAC2B3D5122D01A63D9B85845026CC	A879CB01A2661C255B9C2B9BE0B20BA74EEA9546E21A82C570E177CF5BF4AEDA	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					Tech Co. Ltd. C = CN			
124	KeepTrust OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = KeepTrust OV TLS RSA CA G1 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	04FA1B9DBC05CD575CC6518D5CDFE62CD151B0C8	FFD0D9EEEAAFBB4C44F71392F20A52E0F65896854933139640722DECFC2D4658	UCA Global G2 Root
125	ZoTrus RSA DV SSL CA	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA DV SSL CA O = ZoTrus Technology Limited C = CN	7FEF9B0B9EB3F717A576BBC7580209DE731544B7	69C25861236502F0C223443FD851A2FB6ACB745BB814AD72BB2E50867C52C3BB	UCA Global G2 Root
126	ZoTrus RSA OV SSL CA	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA OV SSL CA O = ZoTrus Technology Limited C = CN	E92D57AB2A4455799E257937123588FCDF187AC3	219C59CCD06D0210ADCF6E8125700D1578F69A0670A07FD9DDE99E4AC82524CD	UCA Global G2 Root
127	CT2 DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = CT2 DV TLS RSA CA G1 O = Tianyi Security Technology Co., Ltd. C = CN	8955C1DB0608F7A83C51CA3BF98F017B90098A73	4B316EDFC0780286571E430C0A94231B192B45666AF5DEBEE454FE08E4496383	UCA Global G2 Root
128	CT2 OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = CT2 OV TLS RSA CA G1 O = Tianyi Security Technology Co., Ltd. C = CN	27937BF574A8AF23A7F29E2B03CFACC7182B2EFA	A263B7CEFD1490D04FD0EC31D9695BAEE480EE861D12124C2BF8EBD8A893652F	UCA Global G2 Root
129	SHECA FREE DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA FREE DV TLS RSA CA G1 O = UniTrust C = CN	F18082839D6BB5C20A6A43C2D584A9F6F3EF2DC9	DFD9FB07A42E81216D6497FBC47BE53D829BBFD6A9188B02D5C8CDE29E01CF5C	UCA Global G2 Root
130	SHECA FREE DV TLS ECC CA G2	Signing Key	sha384RSA	384 bits	CN = SHECA FREE DV TLS ECC CA G2 O = UniTrust C = CN	84BCFE29594A85C0849FF0F21230812BE73F9BBC	81DB88F4CDE7345B0EC140E4A193720163DF9B787FABA0AF5A7EDACE6DC315A6	UCA Global G2 Root
131	SHECA DV TLS ECC CA G6	Signing Key	sha384RSA	384 bits	CN = SHECA DV TLS ECC CA G6 O = UniTrust C = CN	7E44A7C621F5F30E25293C07F288ECC82F7BD482	1F0570E418F9C89E094CB26EDA71B92BED81ACBB446B2300D398DDB739AB7A6C	UCA Global G2 Root
132	SHECA OV TLS ECC CA G6	Signing Key	sha384RSA	384 bits	CN = SHECA OV TLS ECC CA G6	2569CCEFDB564A83BAC15284500F13D86104FEE0	C4DA2C937523D42054FBB4AF694BB90FC7743C910EE048726241BD84C38509D9	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					O = UniTrust C = CN			
133	DNSPod DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = DNSPod DV TLS RSA CA G1 O = DNSPod, Inc. C = CN	4CF1C77BBB5F991923F8616FD712F9749C5AE55C	A07A7DEFCD1ED23F36D22AC33421F1D973583B12C96CA2496DE724C4494C0CD2	UCA Global G2 Root
134	DNSPod DV TLS ECC CA G1	Signing Key	sha384RSA	384 bits	CN = DNSPod DV TLS ECC CA G1 O = DNSPod, Inc. C = CN	B9A7EB6345ADB88940892F8B69930658DA9733CF	AACCD77057271FF5F605DF8CC5A44397E71CCE796EA79B8F1E8658FC9CD52464	UCA Global G2 Root
135	DNSPod OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = DNSPod OV TLS RSA CA G1 O = DNSPod, Inc. C = CN	38C22FB4856AB84A51911FE53A7FE2BE1103338F	F36592E33FD869E917E33BADE683A4EC20809D5C8B493A1427BA6DC066CB5AE3	UCA Global G2 Root
136	DNSPod OV TLS ECC CA G1	Signing Key	sha384RSA	384 bits	CN = DNSPod OV TLS ECC CA G1 O = DNSPod, Inc. C = CN	586EA65733443DCE3CED5DEBF47E000F0E81B28D	8C4BFF9AE3F079E50208F84E4DA658AB441109686861FFCEE50D4A8662C2EEA1	UCA Global G2 Root
137	Keymatic Secure Domain RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = Keymatic Secure Domain RSA CA G1 O = PKI(Chongqing) Limited C = CN	8ED096D6E8A4D935F386EBDA0B592E40521B0CBB	F3C9431A163BECE79562093F0734DF6ED05618551CFEE0ABA949A77E959D8AAE	UCA Global G2 Root
138	Keymatic Secure Domain ECC CA G1	Signing Key	sha384RSA	384 bits	CN = Keymatic Secure Domain ECC CA G1 O = PKI(Chongqing) Limited C = CN	C1286B590B198916D776E6661E57D4460812EDDF	B07D2ACA4F29E2449B5ADB7CCB31C64C43854044A2DAA2AC838788026C684C0C	UCA Global G2 Root
139	Keymatic Secure Business RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = Keymatic Secure Business RSA CA G1 O = PKI(Chongqing) Limited C = CN	5693F449C7E448C3C3D2BE86397E33368163A377	5523644185E21EF943A505A1C438167DA1FE7B14BEF2D243E53DE8C2B4263EB7	UCA Global G2 Root
140	Keymatic Secure Business ECC CA G1	Signing Key	sha384RSA	384 bits	CN = Keymatic Secure Business ECC CA G1 O = PKI(Chongqing) Limited C = CN	23368DE013A9BB36D76A66E1128EDA5F4A3620D5	75C4AF6628E7D01DD369593EFD727E3560ED9DDD67B04325655821BD23281A2B	UCA Global G2 Root
141	sslTrus RSA DV TLS CA G2	Signing Key	sha384RSA	3072 bits	CN = sslTrus RSA DV TLS CA G2 O = sslTrus C = CN	DEE386BAC52E630164E0C142943C3202967C6891	B3A5BED750BCE5A08C75E0012B0A6A67954952BC8D12520514CC15CBB0B17039	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
142	sslTrus ECC DV TLS CA G2	Signing Key	sha384RSA	384 bits	CN = sslTrus ECC DV TLS CA G2 O = sslTrus C = CN	624679EBA47FFA4CD98D6FFFDE6D6F7FE49E86E9	32CAA961415106CF471CEA5B15C66464A907C99861A297C359D174624BADB92F	UCA Global G2 Root
143	sslTrus RSA OV TLS CA G2	Signing Key	sha384RSA	3072 bits	CN = sslTrus RSA OV TLS CA G2 O = sslTrus C = CN	0EDFB68948064E10818E3C8108C824BB8B308F62	F0E647B5A2869A3487507A90549AF039896DB8B0F0E7CF92EF3AB567F3EC5E5C	UCA Global G2 Root
144	sslTrus ECC OV TLS CA G2	Signing Key	sha384RSA	384 bits	CN = sslTrus ECC OV TLS CA G2 O = sslTrus C = CN	BEE114C1BEF84DA5E3D4E41FCA0D1F81A90C0FE0	06B7E611243D2901B964FF6D0C53A2DB52BA2E1D41E17D74950E16605D9A2C90	UCA Global G2 Root
145	HTTPS Automation Research RSA DV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = HTTPS Automation Research RSA DV SSL CA G1 O = Shenzhen Yamu Security Technology Co., Ltd. C = CN	0FB6A84D71E5B1B38F9E72D6BBC06A147FE4D03B	1E426FF0F51EB4C285788B4418D2DAB21097230CED81119BA178A20AB1AABF67	UCA Global G2 Root
146	SHECA DV TLS RSA CA A1	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA A1 O = UniTrust C = CN	A4436EE27886BCD3D29B4306B1E605AC264FF471	7CD13B8B9E51BD6EAE0116D7F89E3F21EAA3ABA2A20997B2606A3DCC578E7295	UCA Global G2 Root
147	SHECA OV TLS RSA CA A1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA A1 O = UniTrust C = CN	A62103A3BCBAC4F0DF7921C060F069EF6AA24D54	E7B1C6B04B6C9A3A2960D3888F8081880AC214ABBD01BF9E0362A8354CFCA720	UCA Global G2 Root
148	Xinnet DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = Xinnet DV TLS RSA CA G2 O = 北京新网数码信息技术有限公司 C = CN	ACD2DAF4035377A49A4791509586B4AF73E0A629	CC379B3FC6555754C11696364926F828A1FAFED714C9AD9203227174E7603BBA	UCA Global G2 Root
149	Xinnet OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = Xinnet OV TLS RSA CA G2 O = 北京新网数码信息技术有限公司 C = CN	F9CC7EA16B5094862E36D5DCABF23CA0412D339A	D0AEB66EF3649A73FA1F8A0317DB54C61257A7F4A14D1112BE742B5EB63F6622	UCA Global G2 Root
150	CT2 DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = CT2 DV TLS RSA CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	1E47BBAAFFF3BE4ED52389E8509C34E9589C869A	474EE178BCCBDD652115707CDC9251FDF48441C9002229C2AE0DE0E33750FBEA	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
151	CT2 OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = CT2 OV TLS RSA CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	E39FB0A7343DA2BF53862085DDB2864CB98A13B2	062884FAEA204C09D10E90FB0069E7BC4E4D93D0316D9F7EFE4E2AFE34226123	UCA Global G2 Root
152	SNCA OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SNCA OV TLS RSA CA G1 O = Shaanxi Digital Certificate Authority C = CN	64BA97BC602AB679D1CD1A75AB9B2F0F969901C8	F077E1AF11CFE1E8A12871F9080B69EFB8B41E8B4A4B95AB513CDF650C76B2C2	UCA Global G2 Root
153	cerschool OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = cerschool OV TLS RSA CA G1 O = 赛尔教育科技发展有限公司 C = CN	1BA3AB8E0D18ECEBA4D493C59E62C92E9959A043	04E6B9EAF5EC01A370AD3DFD527E8BB622E3C28C1484EACDB3D2D06DD8F5244E	UCA Global G2 Root
154	SanFront DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SanFront DV TLS RSA CA G1 O = 北京中科三方网络技术有限公司 C = CN	220336E7515302E6CDFA99C51732DA4FCE34A096	7D7702A277CFEBC283F6F24A2C17CA0EBA7600096105244AD1913E7BE2E56A29	UCA Global G2 Root
155	SanFront OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SanFront OV TLS RSA CA G1 O = 北京中科三方网络技术有限公司 C = CN	4358D15F5255B60A7C0DABFE9AFAC90882ACF474	E1C893A5658D63E2BA78CAFF160B81F9836B6A851F1A3CAA48B3B4E287F0092F	UCA Global G2 Root
156	SanFront DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = SanFront DV TLS RSA CA G2 O = 北京国科云计算技术有限公司 C = CN	A075642065B87E1C37C564AD43A4D54F242934D8	7C7DA4E281AF24FEF35A6711ECA55DBFF1C6333709DFC679470F325D1CBD9460	UCA Global G2 Root
157	SanFront OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = SanFront OV TLS RSA CA G2 O = 北京国科云计算技术有限公司 C = CN	CD85D5F97A4F8BED4CE3E171369721B73D77D01B	37A7BCAF399CA6C24F3ABB6E0AF9DDE32AEEEBA1D36AECC958C7631609FE01A9	UCA Global G2 Root

Attachment B

The list of SHECA's Certification Practice Statements in scope for the period from April 1, 2025 to March 31, 2026 is as follow:

Policy Name	Version
UniTrust Certification Practice Statement	V3.8.2
	V3.8.1
	V3.8.0
	V3.7.9
UniTrust Certificate Policy	V1.6
	V1.5.9
	V1.5.8
	V1.5.7
UniTrust EV Certification Practice Statement	V1.5.9
	V1.5.8
	V1.5.7
UniTrust EV Certificate Policy	V1.7.5
	V1.7.4
	V1.7.3
SHECA TLS CP/CPS	V1.4
	V1.3
	V1.2
	V1.1
	V1.0
SHECA SMIME CP/CPS	V1.1
	V1.0
SHECA CodeSigning CP/CPS	V1.1
	V1.0
UniTrust Event Certification Policy & Certification Practice Statement	V2.0
	V1.9

Attachment C

SHECA's management has disclosed 13 incidents during the period from April 1, 2025 to March 31, 2026. The list of incidents disclosed publicly during the period from April 1, 2025 to March 31, 2026 is as follow:

Bugzilla ID	Description	Status	Related to WebTrust requirements	Related to industry requirements
#1974198	SHECA: New CPS disclosure of CCADB exceeds the required 14-day deadline	Closed	No	Yes
#2025259	SHECA: Failure to keep weekly updates under bugs #1993357 and #1994051	Closed	No	Yes
#2025258	SHECA: Failure to provide weekly updates under other bugs, duplicate of #2025259	Closed	No	Yes
#1964866	SHECA: OCSP service response error	Closed	Yes	Yes
#1978186	SHECA: The stateOrProvinceName and streetAddress of the certificate DN item are issued incorrectly	Closed	Yes	Yes
#2005149	SHECA: CA Certificate not published in DER Encoded Format	Closed	Yes	Yes
#2007089	SHECA: subordinate certificates have not published the complete CRL address in CCADB	Closed	No	Yes
#2015383	SHECA: CRL of root CA not published within 24 hours	Closed	Yes	Yes
#1993357	SHECA: TLS certificate key generation online	Closed	Yes	Yes
#1994051	SHECA: Delayed revocation of TLS certificates affected by bug #1993357	Closed	Yes	Yes
#2025135	SHECA: Test Website certificate expired	Closed	No	Yes
#1946921	SHECA: DV SSL certificate format is abnormal	Closed	Yes	Yes
#1981380	SHECA: Issuing with OV Policy OID but not an OV cert, duplicate of #1946921	Closed	Yes	Yes

Attachment D

The list of CA locations in scope for the period from April 1, 2025 to March 31, 2026 is as follow:

Location Name	Location	In-Scope for Physical and Environmental Control Testing
Facility 1	Shanghai, China	Yes
Facility 2	Shanghai, China	Yes
Facility 3	Shanghai, China	Yes

Shanghai Electronic Certificate Authority Co., Ltd
18th Floor, No.1717, North Sichuan Rd, Shanghai, China
Tel: (021) 36393199
Fax: (021) 36393200
https://www.sheca.com/

Shanghai Electronic Certificate Authority Co., Ltd. ("SHECA") operates the Certification Authority (CA) services known as its Root and Subordinate CAs (please refer to the Attachment A), and provides the following CA services:

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subscriber key generation and management
- Subordinate CA certification

The management of SHECA is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its website, CA business practices management, CA environmental controls, CA key lifecycle management controls, subscriber key lifecycle management controls, certificate lifecycle management controls, and subordinate CA certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

There are inherent limitations in any controls, including the possibility of human error, and the circumvention or overriding of controls. Accordingly, even effective controls can only provide reasonable assurance with respect to SHECA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

SHECA management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in SHECA management's opinion, in

providing its Certification Authority (CA) services at Shanghai (including Facility 1 Facility 2 and Facility 3), China, throughout the period April 1, 2025 to March 31, 2026, SHECA has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environment control practices in its Certificate Policies/Certification Practice Statements ("CP"/ "CPS") enumerated in Attachment B,

- maintained effective controls to provide reasonable assurance that:
  - SHECA's Certification Practice Statements are consistent with its Certificate Policies;
  - SHECA provides its services in accordance with its Certificate Policies and Certification Practice Statements,

- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
  - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
  - subscriber information is properly authenticated (for the registration activities performed by SHECA); and
  - subordinate CA certificate requests are accurate, authenticated, and approved,

- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity,

in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.2, including the following:

CA Business Practices Disclosure

- Certification Practice Statement (CPS)
- Certificate Policy (CP)

CA Business Practices Management

- Certificate Policy Management
- Certification Practice Statement Management
- CP and CPS Consistency

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical & Environmental Security
- Operations Management
- System Access Management
- System Development, Maintenance, and Change Management
- Disaster Recovery, Backups, and Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Lifecycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Cryptographic Hardware Lifecycle Management
- CA Key Transportation
- CA Key Migration

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- CA-Provided Subscriber Key Storage and Recovery Services
- Integrated Circuit Card (ICC) Lifecycle Management
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

- Subscriber Registration
- Certificate Renewal
- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

SHECA does not escrow its CA keys, and does not provide certificate suspension services. Accordingly, our assertion does not extend to controls that would address those criteria.

SHECA has disclosed 13 incidents (see Attachment C) during the period from April 1, 2025 to March 31, 2026. The remedial actions and the root causes of these incidents undertaken by SHECA have been posted publicly in the online forums of the Bugzilla site, as well as the online forums of individual internet browsers that comprise the CA/Browser Forum.



Attachment A

The list of CAs and certificates covered in the management's assertion for the period from April 1, 2025 to March 31, 2026 is as follow:

Root CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
1	UCA Root G2	Root Key	sha256RSA	2048 bits	CN = UCA Root G2 O = UniTrust C = CN	E4BB2C9FB2B51C8831AF7FCBDCF4052BE085F701	A07919A6391BCD6E15FB33A41B43A938EF3D19CF54F0198EC29D02364BC5A0EC	UCA Root G2
2	UniTrust Event Certificate Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Event Certificate Root CA R1 O = UniTrust C = CN	D7418BEED45FC6E97D69108608AC7EE48BA0727E	3200B1BC5CF8F8BC0A382BD7809166A221600747DEC386D2625959CD75A28212	UniTrust Event Certificate Root CA R1
3	UCA Root SM2	Root Key	SM2	256 bits	CN = UCA Root SM2 O = UniTrust C = CN	EEE8B09CD5DCEC73FDEF7CFA502CC6C140E64CB3	307C77562B1532AE5FA6E63ED597CD54A0CBCC111F3598A7CCB2E19DD1351362	UCA Root SM2
4	UniTrust Global Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Root CA R1 O = UniTrust C = CN	3CA061B0EFDAC6E8BB2DE156A2EBBBB63D232381	81B35EFC42C77947209D76B51B5E7B122CE78348AE8C4525DC8D4B30289E5385	UniTrust Global Root CA R1
5	UniTrust Global Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Root CA R2 O = UniTrust C = CN	E45366B7B7A4E9D7CCC121E04ACFCCAC01BC72BC	78919B35D1C615595A51328A5C546083B4D5320724A258695B991F2F61C4DCC7	UniTrust Global Root CA R2
6	UniTrust Global Root CA R3	Root Key	SM2	256 bits	CN = UniTrust Global Root CA R3 O = UniTrust C = CN	3B15E62B1C9F5015B64EA16D163A558AF4905FB5	6A19BCC7FAD2A5664F779BF143A72A2B079AC476E56FACBA48C352635CB4718F	UniTrust Global Root CA R3
7	UniTrust Global SMIME RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global SMIME RSA Root CA R1 O = UniTrust C = CN	2E7C233EDD6396A24449FEAC6CB82388B8C868F3	F0F255ADA2A643C0A1E7C8F54F3ED3DD25EF0E7378E76F7C127517ECFD952803	UniTrust Global SMIME RSA Root CA R1
8	UniTrust Global SMIME ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global SMIME ECC Root CA R2 O = UniTrust C = CN	019FFAAC3E116DFE4D7A3912205EF40985313E4C	6F4E2464D216A1E0B558BB204259B4A545AEB948957AA3EAF11B2F4DE1AFEF10	UniTrust Global SMIME ECC Root CA R2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
9	UniTrust Global Code Signing RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Code Signing RSA Root CA R1 O = UniTrust C = CN	067A4B64AEB40DBD400829227D41EB115F5D1AB6	6357353A4BBCA3D5A158C95BE9DC90F0B3E2F6A6310FD5371FCB4C41E5E1BB4C	UniTrust Global Code Signing RSA Root CA R1
10	UniTrust Global Code Signing ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Code Signing ECC Root CA R2 O = UniTrust C = CN	AE5828DA2C5CA13B20036F308BB81112E52C2ABA	8854E81F9C6B47E438BBAE17E41F8BE4E68589AFD31A48BEE3F203F6DD3DA517	UniTrust Global Code Signing ECC Root CA R2
11	UniTrust Global Time Stamping RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global Time Stamping RSA Root CA R1 O = UniTrust C = CN	CDBF8A7226F2CA5C32976578C53E3E79246BEA6D	1759727D9E6679B069DD3AFA910E2779C42007AAB206A169C66E6E2A3D1774B0	UniTrust Global Time Stamping RSA Root CA R1
12	UniTrust Global Time Stamping ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global Time Stamping ECC Root CA R2 O = UniTrust C = CN	3E7B91A22AA9BDF183F2D1AB579CB9633E08AC85	90711D905CFF3C773A7320B5188A960C8A7D9E5966FA73284D64A4BF3E2FDA48	UniTrust Global Time Stamping ECC Root CA R2
13	UniTrust Global TLS RSA Root CA R1	Root Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	4BABE0E9328D5DAE17936F3DDAA2442BFBDD0873F92FB8D1FBBD3D9894649AD9	UniTrust Global TLS RSA Root CA R1
14	UniTrust Global TLS ECC Root CA R2	Root Key	sha384ECDSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	6C689FC6B014A1FB0CDEB5A3996171C15E7286106028532E0210CEA8D9CD4E97	UniTrust Global TLS ECC Root CA R2
15	UCA Extended Validation Root	Root Key	sha256RSA	4096 bits	CN = UCA Extended Validation Root O = UniTrust C = CN	D9743AE4303D0DF712DC7E5A059F1E349AF7E114	D43AF9B35473755C9684FC06D7D8CB70EE5C28E773FB294EB41EE71722924D24	UCA Extended Validation Root
16	UCA Global G2 Root	Root Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	9BEA11C976FE014764C1BE56A6F914B5A560317ABD9988393382E5161AA0493C	UCA Global G2 Root

Cross-signed CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
17	UniTrust Global TLS ECC Root CA R2	Signing Key	sha384RSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	8ED6FA47B14DC79C85ED5C4CE2C67B2F2F96D2B9054690F28BF2DFE9A5770DF0	UCA Global G2 Root
18	UniTrust Global TLS ECC Root CA R2	Signing Key	sha384RSA	384 bits	CN = UniTrust Global TLS ECC Root CA R2 O = UniTrust C = CN	46E3D4F8DF88838AB7AE69966E00526FBB43D791	F2384371C93EB284166FD07A34F211FAA697B6FC20D4D31F7A8E4A3283CA3FF1	UCA Global G2 Root
19	UniTrust Global TLS RSA Root CA R1	Signing Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	E4C25DE1B285B3C45358EF12583A1AA78DB148D0D294F8798339451FC1910542	UCA Global G2 Root
20	UniTrust Global TLS RSA Root CA R1	Signing Key	sha384RSA	4096 bits	CN = UniTrust Global TLS RSA Root CA R1 O = UniTrust C = CN	E349C5A5003582FB630CBB369A86E24C4185DB08	50404B08111323C691E1695737556E4AFCDCC87EADD22C5503B6D03392AADDDF	UCA Global G2 Root
21	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BB61408AED9F530B2EC0545E53BA2C8EBEAA57D9976447DB1663CED4600CD6B7	Certum Trusted Network CA
22	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BFA95C5DF164B659FA32F6D10564D7170DDE661A853A782E6AB63639433BCB41	Certum Trusted Network CA

Sub CAs

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
23	SHECA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA G2 O = UniTrust C = CN	5688DEE3184382B772A426EB44A962D087C4AC26	69275DE8AF892E26E1B5339A664C194550799372F13CA6FB4966408F6A43C5B4	UCA Root G2
24	SHECA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA G2 O = UniTrust C = CN	5688DEE3184382B772A426EB44A962D087C4AC26	23434A3078ADBE51DF267504F5655107ED1AA4E555D3DF21F479F1B4E4610A08	UCA Root G2
25	SHECA Event Certificate CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA Event Certificate CA G1 O = UniTrust C = CN	2A4D7575347FFFB46A57513816FFA99EEAAF0F4F	32AE6837AEF2DABBC8C19385A57A19FC97F6BDB8384B1ADCCDEAED3A891A3A0F	UniTrust Event Certificate Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
26	Orient Fortune Securities Co., Ltd Identity CA G1	Signing Key	sha256RSA	2048 bits	CN = Orient Fortune Securities Co., Ltd Identity CA G1 O = 东方财富证券股份有限公司 C = CN	8F155742AFDF87B618F8622DAB2E07091A796249	115250822139D3C6A49C821ABB19630FAC617190DAA3CF7373D3C95F082CBDF7	UniTrust Event Certificate Root CA R1
27	Eastmoney Futures Co., Ltd. Identity CA G1	Signing Key	sha256RSA	2048 bits	CN = Shanghai Eastmoney Futures Co., Ltd Identity CA G1 O = 上海东方财富期货有限公司 C = CN	D09AE4CC4499268F8D72F83789C45F3F11B7BA8D	B4800869058B4B74CA970B3414FEDE2F676D90F979E4961325AD72B13ABE8866	UniTrust Event Certificate Root CA R1
28	UniTrust DV Secure Server CA G4	Signing Key	SM2	256 bits	CN = UniTrust DV Secure Server CA G4 O = UniTrust C = CN	ADA611696054F898CED269542A29DF239484E833	68B5E5FCA21925C5AF6628341FE6DBD187C6E66AEEF5F58295DCD7238FF56AD8	UCA Root SM2
29	UniTrust OV Secure Server CA G4	Signing Key	SM2	256 bits	CN = UniTrust OV Secure Server CA G4 O = UniTrust C = CN	D6546FA6587275420BF204794C4C6DE4368A8BD5	E75A9D14B5C5FF14779F0DC8A7889EE757788DC82706D95B4E2AF039098FA72C	UCA Root SM2
30	SHECA SM2	Signing Key	SM2	256 bits	CN = SHECA SM2 O = UniTrust C = CN	893104917B43AAAA9ABF841D9B86EEF0B87099A0	F5F6192276AED2141B3A66FD66724D46C5A58CACF618CAA5B5AA546ED5865207	UCA Root SM2
31	TrustAsia SM2 DV TLS CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 DV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	1B40CF756BB3E9D42B6AE0CCA449D5A26FE48F2A	FB812E1561383E0020103977D7E64D18B3587BC092F9DEC67600DE2A8493352C	UCA Root SM2
32	TrustAsia SM2 OV TLS CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 OV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	3623100989022D63A4C9E816BC531490AA2A01F7	2DBE68A196611EC658022F62607FBC0AA2000FD3147028EB2B16355B6D296EDF	UCA Root SM2
33	TrustAsia SM2 Identity CA - S1	Signing Key	SM2	256 bits	CN = TrustAsia SM2 Identity CA - S1 O = TrustAsia Technologies, Inc. C = CN	73075D5EFBF48320ED005F013AD1930E3FF432F2	BACE521585871388E4B3ECF44B5B4A965CCFD995C72D8813B61E643C77F1298D	UCA Root SM2
34	SHECA SM2 Identity CA G1	Signing Key	SM2	256 bits	CN = SHECA SM2 Identity CA G1 O = UniTrust C = CN	687C2F9B2E68A2DFCE11115411A6B60E6CEE2520	490BA44A5C4061D487EF1C945EC4889770A1F31299F0083045192D8978C25D7E	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
35	CECloud Secure Server CA V1	Signing Key	SM2	256 bits	CN = CECloud Secure Server CA V1 O = 中国电子系统技术有限公司 C = CN	3D017054EBD1DAE2FA72558A7B4AD4112EC2789C	D973269DE727110F2577F12FC7039F204C8688F90479A60A6D918181E96BC921	UCA Root SM2
36	CT2 DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 DV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	4C1A3411A3416DE899A4B670626764EA7CF2A784	1D00F1814BB2A20D578BA255B6F80D6F831CA7302BE28E446FB2530BEE90CBEA	UCA Root SM2
37	CT2 OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 OV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	6C5DF638967FADECC1F4352AEE7B53772AD4AE56	68A9EC5F347044CA199D0C227BBAF1167FB19C9F1C2718ED1A0CBA53AA095B8B	UCA Root SM2
38	CT2 EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = CT2 EV TLS SM2 CA G1 O = 天翼安全科技有限公司 C = CN	34F2351E936044F2951DDE201F7FEBAAF61A1465	7F0CC711C115AEF7FE38707945FE116E11CDA4D39343A3194F01A01A6AFDA86A	UCA Root SM2
39	KeepTrust DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust DV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	343B9BF590205E0D98DA77EB32C59EF95397A96F	B5D123DF7246E26A98C1BF96B8EB817F3E4300F014818959353C6B1FBA603446	UCA Root SM2
40	KeepTrust OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust OV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	071E11176177C996A40ABC42F9789CBABD493114	003F65AF71B13A6E73081A44E4C14B5E3B60F02064285F00C46F93AD3A7F8769	UCA Root SM2
41	KeepTrust EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = KeepTrust EV TLS SM2 CA G1 O = 上海环度信息科技有限公司 C = CN	7539B83459BDC90FDF2F9EB1777AB785A4B92DB3	18A4E716F150E9B98350502F9DB956CAA8A134F49C159BB4998AF0835010D139	UCA Root SM2
42	SHECA EV TLS SM2 CA G4	Signing Key	SM2	256 bits	CN = SHECA EV TLS SM2 CA G4 O = UniTrust C = CN	3FED031972F260AF185B2DD99735E1D7985C958D	6FF668D6CC32F96E56C776C49534A9698742C245396BE06029F1DF7F18B1D615	UCA Root SM2
43	DNSPod DV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod DV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	7EA2D174C8475067B0780812F2D3F402E3D005A9	C1245B9C48D1B0889DE62D22092E20ECBBD150C8ACE738B9E495F41ADA782AAD	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
44	DNSPod OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod OV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	BDF1F484808D223851B9C79662FC596F3DC820AA	8FDD10BD38AB8AA8C541CCFCC637F50F8B667E86C7DCAD02061614EAB53462E3	UCA Root SM2
45	DNSPod EV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = DNSPod EV TLS SM2 CA G1 O = DNSPod, Inc. C = CN	F6AEE376BEAFC14367F0C11D16A2A4A88D935D8C	3A381E099528FCEC2D94B3433D469F737543C0020C34E46CAA9E4EFF288A7AB2	UCA Root SM2
46	Keymatic Secure Domain SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Domain SM2 CA G1 O = PKI(Chongqing) Limited C = CN	1064E31D4774548526E2169E17E0E4E58F672FE3	077114080656553F7C2C0235311FAD3BDA492958C2E2AE8E720960565AEB9585	UCA Root SM2
47	Keymatic Secure Business SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Business SM2 CA G1 O = PKI(Chongqing) Limited C = CN	E81A57AF0C015AC3731CF3912F882D761C1408DF	676224C3F6E4EFF575F04073AC57AFD17C2A7D4270E5C19BB284C738F0E3C421	UCA Root SM2
48	Keymatic Secure Site EV SM2 CA G1	Signing Key	SM2	256 bits	CN = Keymatic Secure Site EV SM2 CA G1 O = PKI(Chongqing) Limited C = CN	547FF1C3D65BAEA46A9DACADEA94E8E18749D4A6	3DA7919952037C7D1F962A37A4EA9026C8483C2C4AFE3E756FD3345DCF6BC150	UCA Root SM2
49	sslTrus SM2 DV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 DV TLS CA G1 O = sslTrus C = CN	F921F5B4756F5159429644147A63F443195BAC9A	BDE9CF0D1D0A60EA891C037CBA7CC0D6036B2140319C7A80E46D9CA38FAC2C4E	UCA Root SM2
50	sslTrus SM2 OV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 OV TLS CA G1 O = sslTrus C = CN	DD18CA5E337DD2EECCF5AB1614E3559B43CFCB32	6C25FD7209E61908919204027B8DECC4A0C07469A99A53D66798FB96FF8A0EC7	UCA Root SM2
51	sslTrus SM2 EV TLS CA G1	Signing Key	SM2	256 bits	CN = sslTrus SM2 EV TLS CA G1 O = sslTrus C = CN	EB3B9889FD7B8E7161C4F4D7D2C1BC73433AFA52	65F06D7C7332F184A36B5C8ABB2F6FC4DECA452499586A29693C3A4BF6D3955A	UCA Root SM2
52	CT2 DV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 DV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	3AE75BB80E932502DEA7581D0591ACE3A8DD5276	10C8C1C04133968F5DEC3FDE16D86A9A600B88B3D09D791EC5DF4DE385A94C37	UCA Root SM2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
53	CT2 OV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 OV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	918FD5F6905D1DC179ED85D0D51C9FAC4EEA5ABD	509292F2310A82903FA093F08C57979BDE2D8233F677FF6A4A9297C6E59A505E	UCA Root SM2
54	CT2 EV TLS SM2 CA G2	Signing Key	SM2	256 bits	CN = CT2 EV TLS SM2 CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	6EB25F438222CCB4D70C55634BA80D438BF700ED	95D4E65218BA758C5F16DF8C4D15CC2035E92111C32C258FAEA3862FEACDC0C8	UCA Root SM2
55	cerschool OV TLS SM2 CA G1	Signing Key	SM2	256 bits	CN = cerschool OV TLS SM2 CA G1 O = 赛尔教育科技发展有限公司 C = CN	FEC19C27DE79384180947A01DEE42B1A6E02F672	6B079E43E605C206AC6F287F5AC8B3E4D398642945830329EF931B537FFE688F	UCA Root SM2
56	SHECA DV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA DV Server CA 1A O = UniTrust C = CN	653740E0BBF43905206A8C9CA0ACB3BBD6968CA0	D3D4A040BB41A695A96E3AAD93814CF7EF219D5819206E947B44DCC5B8E5E272	UniTrust Global Root CA R1
57	SHECA OV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA OV Server CA 1A O = UniTrust C = CN	8CD02E82008EE2DEFF71F61A105C74A826E858D1	9A3DB0F0FB0FF4F974A4E0C510A7C13D350485B1E6CDF5A899BB24D0F499E9BD	UniTrust Global Root CA R1
58	SHECA EV Server CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Server CA 1A O = UniTrust C = CN	73E36DF62D862F57DF69A53687231C85E0170216	2F1CA1A5C0D7AE58C7ADFC69D4C57EE815F39C0F3D1F982E3AC76D25AB723995	UniTrust Global Root CA R1
59	SHECA Code Signing CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing CA 1A O = UniTrust C = CN	21B34B4FC6DD33246E861BACEBF182D7EFCA2CDA	59E3EF6680BCC0B1162DED4929D37E698C6A5CBEE075C03F1173AD653CF91CED	UniTrust Global Root CA R1
60	SHECA EV Code Signing CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing CA 1A O = UniTrust C = CN	510BE3C14EABDFEA38FF434E2C97339C0BFC27A9	03E04A3C2B5200BB27C679A37261852BAC7D46F3F371E4ECA80225AE288E4CFC	UniTrust Global Root CA R1
61	SHECA Time Stamping CA 1A	Signing Key	sha384RSA	4096 bits	CN = SHECA Time Stamping CA 1A O = UniTrust C = CN	8FBFB44A46F647EDF6EB8A0B5E1609430896FA46	2DFDBF6CEC0587B55F1300F109BC46EFD16BC7EB5F43CAE563953D87C7B432C4	UniTrust Global Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
62	SHECA DV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV Server CA 2A O = UniTrust C = CN	A1221170BEC8665F6ECB104C4EDB38EA9C1F914D	69201DC24E4127FFA5B41A0DDF0A1A005C00F334B003F1008924CBF998E1827C	UniTrust Global Root CA R2
63	SHECA OV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV Server CA 2A O = UniTrust C = CN	98CDEC338767F39422373810B735BA7C683A8259	8E2CA2825C2039804A7A1CC54B002EA1DB30AC489698F039527BF1602132F611	UniTrust Global Root CA R2
64	SHECA EV Server CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV Server CA 2A O = UniTrust C = CN	44661C71EF69B7930AB5B771D83B114CFA843D77	93E49170D20F54DA701118A5ABDCDDA4FFCF334CDB2D8D80599AB62848C85F80	UniTrust Global Root CA R2
65	SHECA DV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA DV Server CA 3A O = UniTrust C = CN	26924A66CDEDA9AD2DD7D0AE53C5DE95436A2C61	E464F2E140327DA8326C53A2FBA322F183E6DEFC56888A0811195265650BCAD1	UniTrust Global Root CA R3
66	SHECA OV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA OV Server CA 3A O = UniTrust C = CN	6F465A89CFB174BB558EB3A56D08093233E36D2F	19B057AB0827E37C8EB2EA7C04292068A253A3BEDC0C45848881C0BA78E717CF	UniTrust Global Root CA R3
67	SHECA EV Server CA 3A	Signing Key	SM2	256 bits	CN = SHECA EV Server CA 3A O = UniTrust C = CN	988B07A078C97576AF0CA1A723E87F4E9B482689	7F4A5FBCA47F8904D0AEA5D3BFA5759C4768BA6510EB1FEB5E5B076D12907741	UniTrust Global Root CA R3
68	SHECA IV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA IV SMIME RSA CA 1A O = UniTrust C = CN	0731D082BC0A0AEF2F464617AF73F5C05E3976BE	82BA6F1067468383757DF53F1628258043BBB972E1CAD31FD7AAD0ADD66A5B53	UniTrust Global SMIME RSA Root CA R1
69	SHECA MV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA MV SMIME RSA CA 1A O = UniTrust C = CN	838975C497C317A6532B73F31C7FBCAEA2FE1E90	92148A115D26B287254B36164164B2220EE36B405D3B708CF5B7AB060C66B1FE	UniTrust Global SMIME RSA Root CA R1
70	SHECA OV SMIME RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA OV SMIME RSA CA 1A O = UniTrust C = CN	82964C637D30CB2841C53AC7E84D1EB99489FF5A	6B661B964F2359C4CA68355243A2EEEDA9BACDA191D103A0C1119EC892018AC7	UniTrust Global SMIME RSA Root CA R1
71	SHECA IV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA IV SMIME ECC CA 2A O = UniTrust C = CN	983BC3F8CEA554065FB1CD3F99F4B76AB2C22EC5	E82D794C1AC79F9BEBF3B6D98A237F84C15FD40C3ABB86C2214E699414F8FF54	UniTrust Global SMIME ECC Root CA R2
72	SHECA MV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA MV SMIME ECC CA 2A O = UniTrust C = CN	D9B98D06C0DBD56A3497D7A9B0E9AE8B61B9F032	D7C4AB9D315AE8B889DA902C55264295D8CDC0F5471370490F4D4585E2C3C6D3	UniTrust Global SMIME ECC Root CA R2

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
73	SHECA OV SMIME ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV SMIME ECC CA 2A O = UniTrust C = CN	1CD15D6061277F084A21AD9518E43191D639DC18	229B7FBCA2361DE63171067DE91DFFB3D2FA71A5ABE51CA41D5300C5750D2F0E	UniTrust Global SMIME ECC Root CA R2
74	SHECA Code Signing RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing RSA CA 1B O = UniTrust C = CN	046DED1C4A44C827558CD17D7B17CC0C539579DE	4C5F7C561295B97FE7616389A2B549A0D4598D0BD15EBFEA53AB518714CB8434	UniTrust Global Code Signing RSA Root CA R1
75	SHECA EV Code Signing RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing RSA CA 1B O = UniTrust C = CN	7E2561771672AEE063F1C07B7CAC6F3AAE44CDC3	A85CBD3FD9F3BFE220DE0A09B52D5AA6F627EE9297FEFCE8706073A41B993C79	UniTrust Global Code Signing RSA Root CA R1
76	SHECA Code Signing ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA Code Signing ECC CA 2A O = UniTrust C = CN	30268A3585381C0EA92D90ED949365E789EB267E	953707AE07AF34970462E8C02AC3D10949D3684D063385277F31869508007D23	UniTrust Global Code Signing ECC Root CA R2
77	SHECA EV Code Signing ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV Code Signing ECC CA 2A O = UniTrust C = CN	17588CCB8DCA31FF1FA5084A3F39489216F7D66F	545BD126658352B306EE74185173F1774A79467A26E9BB6AE0ED44D86615DE5A	UniTrust Global Code Signing ECC Root CA R2
78	SHECA Time Stamping RSA CA 1B	Signing Key	sha384RSA	4096 bits	CN = SHECA Time Stamping RSA CA 1B O = UniTrust C = CN	CC140216769CC1FCECFCA02C90C63AB0B6A36181	9A46D52B0F6A913E6BF3EE6DCFE08B2664DEE2AF704FD4931E8D0C38F3D76D00	UniTrust Global Time Stamping RSA Root CA R1
79	SHECA Time Stamping ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA Time Stamping ECC CA 2A O = UniTrust C = CN	35CDBC6319E68ECDA7AFDCEE01628D6303DE8604	0E3FC096DDCC3205047F9042D57882A1144107243C47CDE6FFFDE403A5B7CA04	UniTrust Global Time Stamping ECC Root CA R2
80	SHECA DV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA 1A O = UniTrust C = CN	92917E0BCF0C5C108AB5944E420C561042A449EB	FFABEA74895DC0C78C224597472CF6937E0D740EF49DC2256C8E75A2A2A15EDE	UniTrust Global TLS RSA Root CA R1
81	SHECA EV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA 1A O = UniTrust C = CN	405C000B86462082A0BFB2C60063410365662F04	B2525A5966CA68CA7F504F0A21FD73847D174F89B48852A3E970588E1EAFC774	UniTrust Global TLS RSA Root CA R1
82	SHECA OV TLS RSA CA 1A	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA 1A O = UniTrust C = CN	D8D5D85A1825366A16C2F72FA40FAA25A45F1296	7F8EF707C2D9A4B7D4ED5FDDC8AF4A64D99BF297D03F8F01C4375DE74B1C7DE1	UniTrust Global TLS RSA Root CA R1
83	SHECA DV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA 2026 S1 O = UniTrust C = CN	3CA7BD49C202F617A595A65C4E73267416CD7624	B2292E872A1D842781A4820BDC1F65B83378A5A43ADA17D6162FB81DCD661C13	UniTrust Global TLS RSA Root CA R1

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
84	SHECA OV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA 2026 S1 O = UniTrust C = CN	F217ECED9B7C74A445213B1609A33D6A47C7A1CC	ABCF1196899441D6407014518963A1A3FA26B22A2DC91710844585819890CC4B	UniTrust Global TLS RSA Root CA R1
85	SHECA EV TLS RSA CA 2026 S1	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA 2026 S1 O = UniTrust C = CN	197C4FE5F58C6BFD7EEB9AA02D1E78444CF1FFF7	B0CBFA69D8D4F658CF761C2B0CF73B84A90022EF5B977B13E06EC42B913DE1F1	UniTrust Global TLS RSA Root CA R1
86	SHECA DV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV TLS ECC CA 2A O = UniTrust C = CN	DB6AAFECB474119D57B1CF3BAEAC843E6C9BC486	D690D8722EA89CD7617901449520653339386AC4939F7EC5C1B195D9C3C95FA4	UniTrust Global TLS ECC Root CA R2
87	SHECA EV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV TLS ECC CA 2A O = UniTrust C = CN	6DB05C0FE4066E45643147106EA3F20327D3ACBC	05E4C4B1F258030690E6793C9C13C6F6AE234F68E5C41236FDC919B7F589032F	UniTrust Global TLS ECC Root CA R2
88	SHECA OV TLS ECC CA 2A	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV TLS ECC CA 2A O = UniTrust C = CN	DDEB85D841287CE9E5EC9756063A22E1FED171C7	08BA64405A3406C97BDCBD0E44224E6DD341F3EC93F1368457DFA7CAC88BE150	UniTrust Global TLS ECC Root CA R2
89	SHECA DV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA DV TLS ECC CA 2026 S1 O = UniTrust C = CN	6C1E5109B5F091FEE70F964CC366452F0C1231FC	82CC3368931DFC9ECB3927EBBDACFA04366DD43D81F1343FEB61BB8E59E6EBD6	UniTrust Global TLS ECC Root CA R2
90	SHECA OV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA OV TLS ECC CA 2026 S1 O = UniTrust C = CN	07CCEA101A5E5C36F26664EE5B13D091B1FE7980	CF4D8C93933C09E1457429DDDE814E88BCE8DB9CAE5AF175660A7142C319DDA8	UniTrust Global TLS ECC Root CA R2
91	SHECA EV TLS ECC CA 2026 S1	Signing Key	sha384ECDSA	384 bits	CN = SHECA EV TLS ECC CA 2026 S1 O = UniTrust C = CN	C1BAAF0B91C9D8C786E14C722B965CE2272E1B9D	2C0B55DF3E6F26B4133CD04AE7B7A62F1DCEFD4C27E7D73A30CB25D914786E98	UniTrust Global TLS ECC Root CA R2
92	SHECA RSA Extended Validation Code Signing CA	Signing Key	sha256RSA	2048 bits	CN = SHECA RSA Extended Validation Code Signing CA O = UniTrust C = CN	8E40665F6AA940C2B9F1F04A22639564593707E5	D404FAFA4BA2F426B66CD219C6DA84F91C0FB7CB58429EC8077E2A764314D55D	UCA Extended Validation Root
93	SHECA EV Code Signing CA G2	Signing Key	sha256RSA	3072 bits	CN = SHECA EV Code Signing CA G2 O = UniTrust C = CN	5007CC4DF6F4BA37FC13CE1F2D22C956D89EA503	DD84169585A2E7A216AECD4083265A8EB51A64F7C6F1943671F8584C73F79A74	UCA Extended Validation Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
94	SHECA OV Server CA G7	Signing Key	sha256RSA	2048 bits	CN = SHECA OV Server CA G7 O = UniTrust C = CN	A0F344BA17512C7776AB4442C5534B16AB5F0DAA	F6F8BCD413C9733166E85843B468DD36E727152D9A37B15129C0E7648ECEE639	UCA Extended Validation Root
95	SHECA Extended Validation SSL CA	Signing Key	sha256RSA	2048 bits	CN = SHECA Extended Validation SSL CA O = UniTrust C = CN	4D140DEA6B559C0CA6E1BB7BE86A966D175E7CB5	25BFDB1C5FE2CCE051EC6DFBF2BB24E78C92F969B1BB37867DAEDF93D1A7AE7E	UCA Extended Validation Root
96	SHECA EV Code Signing CA G3	Signing Key	sha384RSA	4096 bits	CN = SHECA EV Code Signing CA G3 O = UniTrust C = CN	6D325FA74CC0EEC89B7C6A3C0F2E33CA55EB99A8	E00AC33AC715D8BC3B6607A4165AE8428F9274B4224AB3D8CF36E8C8D62834A3	UCA Extended Validation Root
97	SHECA EV Server CA G3	Signing Key	sha256RSA	2048 bits	CN = SHECA EV Server CA G3 O = UniTrust C = CN	54E972FB78669FE5CBF33B8F98465553739C0B84	7EF3F89456CE636557B20C5DFB37F98C253A0B660D2E9E5E7845CAF9C038C7C1	UCA Extended Validation Root
98	SHECA EV TLS RSA CA C1	Signing Key	sha384RSA	3072 bits	CN = SHECA EV TLS RSA CA C1 O = UniTrust C = CN	8A4E9A2D57D50731375FE5B8510789630B804877	15F4F5D5A8D6DED4CDD54CE4E1B367203B7F2CDF416104BA5D6405AF55AC8045	UCA Extended Validation Root
99	SHECA EV TLS ECC CA C2	Signing Key	sha384RSA	384 bits	CN = SHECA EV TLS ECC CA C2 O = UniTrust C = CN	AEAFD7E1680007D1875357883EDDF298E3C8983C	E3BF9CA7BC56D03EE6BAE52E3FBA47CAFE4198F2A026C8278087D82B951E428C	UCA Extended Validation Root
100	SHECA EV Server CA G2	Signing Key	sha256RSA	2048 bits	CN = SHECA EV Server CA G2 O = UniTrust C = CN	86B148C0420A9C6F81FC4FDCD10F184BAAB5A6EA	4216527163AD2CAA825D3BF48F61A7661D0ABC89B58AB76B23A1E10999F0769F	UCA Global G2 Root
101	SHECA Code Signing CA G4	Signing Key	sha256RSA	3072 bits	CN = SHECA Code Signing CA G4 O = UniTrust C = CN	73C3B39021CBF23BDA23D351F295C58BC678EE47	8F0C3E06A16E3EA7C9B15A848076ED15E51DA0B6F1AFA274EDE2B9102191FE0F	UCA Global G2 Root
102	TrustAsia RSA DV TLS CA - S1	Signing Key	sha256RSA	2048 bits	CN = TrustAsia RSA DV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	9432E0D48ACD1D93E75C5372960C5EF1F3F67972	074ADD7F1E73EB110EC8E2B78A92C51CF5A451135B6F7DEFC019EE9D74BFA4D6	UCA Global G2 Root
103	TrustAsia RSA OV TLS CA - S1	Signing Key	sha256RSA	2048 bits	CN = TrustAsia RSA OV TLS CA - S1 O = TrustAsia Technologies, Inc. C = CN	F575D48E293E17A8A9C49EDCE6DB0A344D132AEB	D16BA9ACB74FEE4AA8087EE482E86E7F6F5F55FAC5025639730753FE1E705E3C	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
104	SHECA Time Stamping CA G2	Signing Key	sha256RSA	3072 bits	CN = SHECA Time Stamping CA G2 O = UniTrust C = CN	CFDD9E670A6CB17E2C1A4F595387B2369BF96994	422C71F8DB9FDA2C65458B52363DB6FDC4E37B436774BCF97518F3F42EC725F1	UCA Global G2 Root
105	SHECA SMIME CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA SMIME CA G1 O = UniTrust C = CN	1FA80B4DCF9CA6A53ADAB096AB9957B90A9B7F5D	8100D384D6C4529883C37C37C68FD4903C41CCBCB9033A9C733A6AF0806E1DE7	UCA Global G2 Root
106	SHECA MV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA MV SMIME RSA CA G1 O = UniTrust C = CN	4F111E8FD4506500D7CE565190AF012BFB143845	C064FAB74E8723164932A25CFB6708106E1E5A3A05CFD1079B1DCF52792C5908	UCA Global G2 Root
107	SHECA IV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA IV SMIME RSA CA G1 O = UniTrust C = CN	E010A54E644A8F605F134C5C108E742C0168BBE5	2A1AAA3E4D7C6EC8BE083BDBDD247153A88D51F1226FD9691B872AE23D166BFF	UCA Global G2 Root
108	SHECA OV SMIME RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV SMIME RSA CA G1 O = UniTrust C = CN	E3B8865D1EF2FF2146219648BD54022EC93BC85C	73BA9F7AE0924F3567F0280568A7050A58C9C4855DE0686C2FDC48522EB86D2D	UCA Global G2 Root
109	SHECA Code Signing CA G5	Signing Key	sha384RSA	4096 bits	CN = SHECA Code Signing CA G5 O = UniTrust C = CN	4CF2087E0172B6C0A36E0655B0F20C06293CE53F	51984B5D20306FE69008A5B5EE5643E5BF416443330910653F00A21B609B2D23	UCA Global G2 Root
110	SHECA Global G3 SSL	Signing Key	sha256RSA	2048 bits	CN = SHECA Global G3 SSL O = UniTrust S = Shanghai C = CN	9820F0F1D942A6DE833F991019003D6868D20181	AEFFE4335EE56422E927F45E95AE142B9EB35979A7400569AE9BDEA6CAABC1DC	UCA Global G2 Root
111	SHECA DV Server CA G5	Signing Key	sha256RSA	2048 bits	CN = SHECA DV Server CA G5 O = UniTrust C = CN	D8E7061B645FAB3008887A2453AAE11C8304BF6D	778C516DAEC700EE58B3581E411E5C0DD478663A5163A29895341507D6E964DD	UCA Global G2 Root
112	SHECA OV Server CA G5	Signing Key	sha256RSA	2048 bits	CN = SHECA OV Server CA G5 O = UniTrust C = CN	0379A38D525FD4E988921F4358542502F4878B7E	8AB3A0ACF289E6EF754BE449236843D67F45C191BDDD66484B85E6E60556A9AF	UCA Global G2 Root
113	Xinnet DV SSL	Signing Key	sha256RSA	2048 bits	CN = Xinnet DV SSL O = 北京新网数码信息技术有限公司 C = CN	9D3AA5B8E2212783643FF578DC22B04E6BCB36D4	9C53902F9501F6D89766999DBE2AD1A1436420B652535CDC2DC51CCFE2FFEE68	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
114	Xinnet OV SSL	Signing Key	sha256RSA	2048 bits	CN = Xinnet OV SSL O = 北京新网数码信息技术有限公司 C = CN	4B78C0324A2442784E9F83F0D0FE336C7E0D934F	3C07D7EFC8D458F668C10D4F06F90503CCD25D59E2B3F1D58B32884D9E4E3809	UCA Global G2 Root
115	JoySSL DV Secure Server CA G1	Signing Key	sha384RSA	3072 bits	CN = JoySSL DV Secure Server CA G1 O = JoySSL Limited C = CN	2A56E8EF40E0A9999D6DD8129FB79B056B882DED	AA9CD0737407E9E9D9D86B145A2CFD7CD385C28BCF5996AA8D9A6DA5FC76F3A2	UCA Global G2 Root
116	JoySSL OV Secure Server CA G1	Signing Key	sha384RSA	3072 bits	CN = JoySSL OV Secure Server CA G1 O = JoySSL Limited C = CN	6BF2449C86D0C6DED85107661B2748792342CB95	0DD33FA366CA02808D29A5C1C456496AB5015C3604EB21C101406AF2533D998A	UCA Global G2 Root
117	KeepTrust DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = KeepTrust DV TLS RSA CA G2 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	088B0DF30B0966297021D02C377300F5A7F4E7E9	352582CCC85B3944E3CD2505D9318F22ABEA418BFF29A0FE4D2C0DF280F200E3	UCA Global G2 Root
118	KeepTrust OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = KeepTrust OV TLS RSA CA G2 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	F68D3850B96EA8BEFC50CA91247F1ABC9EA39D4D	CD50559A6DC5C704237EABF9A070B79F0CDFC1A79C3A6AC8C5E71E295A065D0A	UCA Global G2 Root
119	ZoTrus RSA DV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA DV SSL CA G1 O = ZoTrus Technology Limited C = CN	EC1EBCB71E092769EFA715E89AA1677C33AA0F5A	E7EF1AD946214B32AF03CC287930D0464ED2C086D7A1447C6E27FC9217D4E16B	UCA Global G2 Root
120	ZoTrus RSA OV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA OV SSL CA G1 O = ZoTrus Technology Limited C = CN	A0FA64A37EB83C7C194C51B7FE6A2BE8A39F78A4	3EC123D71DB27AE1DC8F877286C222F4167A2AE4FD7BCF370789EF4A9521B8	UCA Global G2 Root
121	JoySSL DV Secure Server CA	Signing Key	sha384RSA	3072 bits	CN = JoySSL DV Secure Server CA O = JoySSL Limited C = CN	807B3118B837D850FD1C4AD9879A5E426D00A1A4	9C6DA141CB394CE6B971A23F988647FF4442E798F0718771B5485A0CC7402335	UCA Global G2 Root
122	JoySSL OV Secure Server CA	Signing Key	sha384RSA	3072 bits	CN = JoySSL OV Secure Server CA O = JoySSL Limited C = CN	21507E5079E680B202C0FBC1AFAD8026DC52B8DD	ACA090CBDBDD35520B22EC3CF7032655BA16A2C800F804B3AAB7F865FA6FC387	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
123	KeepTrust DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = KeepTrust DV TLS RSA CA G1 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	5063446A28FAC2B3D5122D01A63D9B85845026CC	A879CB01A2661C255B9C2B9BE0B20BA74EEA9546E21A82C570E177CF5BF4AEDA	UCA Global G2 Root
124	KeepTrust OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = KeepTrust OV TLS RSA CA G1 O = Shanghai Huandu Info Tech Co. Ltd. C = CN	04FA1B9DBC05CD575CC6518D5CDFE62CD151B0C8	FFD0D9EEEAAFBB4C44F71392F20A52E0F65896854933139640722DECFC2D4658	UCA Global G2 Root
125	ZoTrus RSA DV SSL CA	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA DV SSL CA O = ZoTrus Technology Limited C = CN	7FEF9B0B9EB3F717A576BBC7580209DE731544B7	69C25861236502F0C223443FD851A2FB6ACB745BB814AD72BB2E50867C52C3BB	UCA Global G2 Root
126	ZoTrus RSA OV SSL CA	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA OV SSL CA O = ZoTrus Technology Limited C = CN	E92D57AB2A4455799E257937123588FCDF187AC3	219C59CCD06D0210ADCF6E8125700D1578F69A0670A07FD9DDE99E4AC82524CD	UCA Global G2 Root
127	CT2 DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = CT2 DV TLS RSA CA G1 O = Tianyi Security Technology Co., Ltd. C = CN	8955C1DB0608F7A83C51CA3BF98F017B90098A73	4B316EDFC0780286571E430C0A94231B192B45666AF5DEBEE454FE08E4496383	UCA Global G2 Root
128	CT2 OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = CT2 OV TLS RSA CA G1 O = Tianyi Security Technology Co., Ltd. C = CN	27937BF574A8AF23A7F29E2B03CFACC7182B2EFA	A263B7CEFD1490D04FD0EC31D9695BAEE480EE861D12124C2BF8EBD8A893652F	UCA Global G2 Root
129	SHECA FREE DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SHECA FREE DV TLS RSA CA G1 O = UniTrust C = CN	F18082839D6BB5C20A6A43C2D584A9F6F3EF2DC9	DFD9FB07A42E81216D6497FBC47BE53D829BBFD6A9188B02D5C8CDE29E01CF5C	UCA Global G2 Root
130	SHECA FREE DV TLS ECC CA G2	Signing Key	sha384RSA	384 bits	CN = SHECA FREE DV TLS ECC CA G2 O = UniTrust C = CN	84BCFE29594A85C0849FF0F21230812BE73F9BBC	81DB88F4CDE7345B0EC140E4A193720163DF9B787FABA0AF5A7EDACE6DC315A6	UCA Global G2 Root
131	SHECA DV TLS ECC CA G6	Signing Key	sha384RSA	384 bits	CN = SHECA DV TLS ECC CA G6 O = UniTrust C = CN	7E44A7C621F5F30E25293C07F288ECC82F7BD482	1F0570E418F9C89E094CB26EDA71B92BED81ACBB446B2300D398DDB739AB7A6C	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
132	SHECA OV TLS ECC CA G6	Signing Key	sha384RSA	384 bits	CN = SHECA OV TLS ECC CA G6 O = UniTrust C = CN	2569CCEFDB564A83BAC15284500F13D86104FEE0	C4DA2C937523D42054FBB4AF694BB90FC7743C910EE048726241BD84C38509D9	UCA Global G2 Root
133	DNSPod DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = DNSPod DV TLS RSA CA G1 O = DNSPod, Inc. C = CN	4CF1C77BBB5F991923F8616FD712F9749C5AE55C	A07A7DEFCD1ED23F36D22AC33421F1D973583B12C96CA2496DE724C4494C0CD2	UCA Global G2 Root
134	DNSPod DV TLS ECC CA G1	Signing Key	sha384RSA	384 bits	CN = DNSPod DV TLS ECC CA G1 O = DNSPod, Inc. C = CN	B9A7EB6345ADB88940892F8B69930658DA9733CF	AACCD77057271FF5F605DF8CC5A44397E71CCE796EA79B8F1E8658FC9CD52464	UCA Global G2 Root
135	DNSPod OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = DNSPod OV TLS RSA CA G1 O = DNSPod, Inc. C = CN	38C22FB4856AB84A51911FE53A7FE2BE1103338F	F36592E33FD869E917E33BADE683A4EC20809D5C8B493A1427BA6DC066CB5AE3	UCA Global G2 Root
136	DNSPod OV TLS ECC CA G1	Signing Key	sha384RSA	384 bits	CN = DNSPod OV TLS ECC CA G1 O = DNSPod, Inc. C = CN	586EA65733443DCE3CED5DEBF47E000F0E81B28D	8C4BFF9AE3F079E50208F84E4DA658AB441109686861FFCEE50D4A8662C2EEA1	UCA Global G2 Root
137	Keymatic Secure Domain RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = Keymatic Secure Domain RSA CA G1 O = PKI(Chongqing) Limited C = CN	8ED096D6E8A4D935F386EBDA0B592E40521B0CBB	F3C9431A163BECE79562093F0734DF6ED05618551CFEE0ABA949A77E959D8AAE	UCA Global G2 Root
138	Keymatic Secure Domain ECC CA G1	Signing Key	sha384RSA	384 bits	CN = Keymatic Secure Domain ECC CA G1 O = PKI(Chongqing) Limited C = CN	C1286B590B198916D776E6661E57D4460812EDDF	B07D2ACA4F29E2449B5ADB7CCB31C64C43854044A2DAA2AC838788026C684C0C	UCA Global G2 Root
139	Keymatic Secure Business RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = Keymatic Secure Business RSA CA G1 O = PKI(Chongqing) Limited C = CN	5693F449C7E448C3C3D2BE86397E33368163A377	5523644185E21EF943A505A1C438167DA1FE7B14BEF2D243E53DE8C2B4263EB7	UCA Global G2 Root
140	Keymatic Secure Business ECC CA G1	Signing Key	sha384RSA	384 bits	CN = Keymatic Secure Business ECC CA G1 O = PKI(Chongqing) Limited C = CN	23368DE013A9BB36D76A66E1128EDA5F4A3620D5	75C4AF6628E7D01DD369593EFD727E3560ED9DDD67B04325655821BD23281A2B	UCA Global G2 Root
141	sslTrus RSA DV TLS CA G2	Signing Key	sha384RSA	3072 bits	CN = sslTrus RSA DV TLS CA G2 O = sslTrus C = CN	DEE386BAC52E630164E0C142943C3202967C6891	B3A5BED750BCE5A08C75E0012B0A6A67954952BC8D12520514CC15CBB0B17039	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
142	sslTrus ECC DV TLS CA G2	Signing Key	sha384RSA	384 bits	CN = sslTrus ECC DV TLS CA G2 O = sslTrus C = CN	624679EBA47FFA4CD98D6FFFDE6D6F7FE49E86E9	32CAA961415106CF471CEA5B15C66464A907C99861A297C359D174624BADB92F	UCA Global G2 Root
143	sslTrus RSA OV TLS CA G2	Signing Key	sha384RSA	3072 bits	CN = sslTrus RSA OV TLS CA G2 O = sslTrus C = CN	0EDFB68948064E10818E3C8108C824BB8B308F62	F0E647B5A2869A3487507A90549AF039896DB8B0F0E7CF92EF3AB567F3EC5E5C	UCA Global G2 Root
144	sslTrus ECC OV TLS CA G2	Signing Key	sha384RSA	384 bits	CN = sslTrus ECC OV TLS CA G2 O = sslTrus C = CN	BEE114C1BEF84DA5E3D4E41FCA0D1F81A90C0FE0	06B7E611243D2901B964FF6D0C53A2DB52BA2E1D41E17D74950E16605D9A2C90	UCA Global G2 Root
145	HTTPS Automation Research RSA DV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = HTTPS Automation Research RSA DV SSL CA G1 O = Shenzhen Yamu Security Technology Co., Ltd. C = CN	0FB6A84D71E5B1B38F9E72D6BBC06A147FE4D03B	1E426FF0F51EB4C285788B4418D2DAB21097230CED81119BA178A20AB1AABF67	UCA Global G2 Root
146	SHECA DV TLS RSA CA A1	Signing Key	sha384RSA	3072 bits	CN = SHECA DV TLS RSA CA A1 O = UniTrust C = CN	A4436EE27886BCD3D29B4306B1E605AC264FF471	7CD13B8B9E51BD6EAE0116D7F89E3F21EAA3ABA2A20997B2606A3DCC578E7295	UCA Global G2 Root
147	SHECA OV TLS RSA CA A1	Signing Key	sha384RSA	3072 bits	CN = SHECA OV TLS RSA CA A1 O = UniTrust C = CN	A62103A3BCBAC4F0DF7921C060F069EF6AA24D54	E7B1C6B04B6C9A3A2960D3888F8081880AC214ABBD01BF9E0362A8354CFCA720	UCA Global G2 Root
148	Xinnet DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = Xinnet DV TLS RSA CA G2 O = 北京新网数码信息技术有限公司 C = CN	ACD2DAF4035377A49A4791509586B4AF73E0A629	CC379B3FC6555754C11696364926F828A1FAFED714C9AD9203227174E7603BBA	UCA Global G2 Root
149	Xinnet OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = Xinnet OV TLS RSA CA G2 O = 北京新网数码信息技术有限公司 C = CN	F9CC7EA16B5094862E36D5DCABF23CA0412D339A	D0AEB66EF3649A73FA1F8A0317DB54C61257A7F4A14D1112BE742B5EB63F6622	UCA Global G2 Root
150	CT2 DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = CT2 DV TLS RSA CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	1E47BBAAFFF3BE4ED52389E8509C34E9589C869A	474EE178BCCBDD652115707CDC9251FDF48441C9002229C2AE0DE0E33750FBEA	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
151	CT2 OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = CT2 OV TLS RSA CA G2 O = China Telecom Cybersecurity Technology Co.,Ltd. C = CN	E39FB0A7343DA2BF53862085DDB2864CB98A13B2	062884FAEA204C09D10E90FB0069E7BC4E4D93D0316D9F7EFE4E2AFE34226123	UCA Global G2 Root
152	SNCA OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SNCA OV TLS RSA CA G1 O = Shaanxi Digital Certificate Authority C = CN	64BA97BC602AB679D1CD1A75AB9B2F0F969901C8	F077E1AF11CFE1E8A12871F9080B69EFB8B41E8B4A4B95AB513CDF650C76B2C2	UCA Global G2 Root
153	cerschool OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = cerschool OV TLS RSA CA G1 O = 赛尔教育科技发展有限公司 C = CN	1BA3AB8E0D18ECEBA4D493C59E62C92E9959A043	04E6B9EAF5EC01A370AD3DFD527E8BB622E3C28C1484EACDB3D2D06DD8F5244E	UCA Global G2 Root
154	SanFront DV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SanFront DV TLS RSA CA G1 O = 北京中科三方网络技术有限公司 C = CN	220336E7515302E6CDFA99C51732DA4FCE34A096	7D7702A277CFEBC283F6F24A2C17CA0EBA7600096105244AD1913E7BE2E56A29	UCA Global G2 Root
155	SanFront OV TLS RSA CA G1	Signing Key	sha384RSA	3072 bits	CN = SanFront OV TLS RSA CA G1 O = 北京中科三方网络技术有限公司 C = CN	4358D15F5255B60A7C0DABFE9AFAC90882ACF474	E1C893A5658D63E2BA78CAFF160B81F9836B6A851F1A3CAA48B3B4E287F0092F	UCA Global G2 Root
156	SanFront DV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = SanFront DV TLS RSA CA G2 O = 北京国科云计算技术有限公司 C = CN	A075642065B87E1C37C564AD43A4D54F242934D8	7C7DA4E281AF24FEF35A6711ECA55DBFF1C6333709DFC679470F325D1CBD9460	UCA Global G2 Root
157	SanFront OV TLS RSA CA G2	Signing Key	sha384RSA	3072 bits	CN = SanFront OV TLS RSA CA G2 O = 北京国科云计算技术有限公司 C = CN	CD85D5F97A4F8BED4CE3E171369721B73D77D01B	37A7BCAF399CA6C24F3ABB6E0AF9DDE32AEEEBA1D36AECC958C7631609FE01A9	UCA Global G2 Root

Attachment B

The list of SHECA's Certification Practice Statements covered in the management's assertion for the period from April 1, 2025 to March 31, 2026 is as follow:

Policy Name	Version
UniTrust Certification Practice Statement	V3.8.2
	V3.8.1
	V3.8.0
	V3.7.9
UniTrust Certificate Policy	V1.6
	V1.5.9
	V1.5.8
	V1.5.7
UniTrust EV Certification Practice Statement	V1.5.9
	V1.5.8
	V1.5.7
UniTrust EV Certificate Policy	V1.7.5
	V1.7.4
	V1.7.3
SHECA TLS CP/CPS	V1.4
	V1.3
	V1.2
	V1.1
	V1.0
SHECA SMIME CP/CPS	V1.1
	V1.0
SHECA CodeSigning CP/CPS	V1.1
	V1.0
UniTrust Event Certification Policy & Certification Practice Statement	V2.0
	V1.9

Attachment C

The list of incidents covered in the management's assertion for the period from April 1, 2025 to March 31, 2026 is as follow:

Bugzilla ID	Description	Status	Related to WebTrust requirements	Related to industry requirements
#1974198	SHECA: New CPS disclosure of CCADB exceeds the required 14-day deadline	Closed	No	Yes
#2025259	SHECA: Failure to keep weekly updates under bugs #1993357 and #1994051	Closed	No	Yes
#2025258	SHECA: Failure to provide weekly updates under other bugs, duplicate of #2025259	Closed	No	Yes
#1964866	SHECA: OCSP service response error	Closed	Yes	Yes
#1978186	SHECA: The stateOrProvinceName and streetAddress of the certificate DN item are issued incorrectly	Closed	Yes	Yes
#2005149	SHECA: CA Certificate not published in DER Encoded Format	Closed	Yes	Yes
#2007089	SHECA: subordinate certificates have not published the complete CRL address in CCADB	Closed	No	Yes
#2015383	SHECA: CRL of root CA not published within 24 hours	Closed	Yes	Yes
#1993357	SHECA: TLS certificate key generation online	Closed	Yes	Yes
#1994051	SHECA: Delayed revocation of TLS certificates affected by bug #1993357	Closed	Yes	Yes
#2025135	SHECA: Test Website certificate expired	Closed	No	Yes
#1946921	SHECA: DV SSL certificate format is abnormal	Closed	Yes	Yes
#1981380	SHECA: Issuing with OV Policy OID but not an OV cert, duplicate of #1946921	Closed	Yes	Yes