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 B, for the period from April 1, 2025 to March 31, 2026 for its CAs as enumerated in Attachment A, SHECA has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum,

in accordance with the WebTrust Principles and Criteria for Certification Authorities – Network Security v2.0.5.

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 – Network Security v2.0.5.

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

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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 – Network Security v2.0.5. 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 network and certificate system security to meet the requirements set forth by the CA/Browser Forum; (2) testing and evaluating the operating effectiveness of the controls; and (3) performing such other procedures as we considered necessary in the circumstances.

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 – Network Security v2.0.5.

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 – Network Security v2.0.5, nor the suitability of any of SHECA's services for any customer's intended purpose.

Use of the WebTrust seal

SHECA's use of the WebTrust for Certification Authorities – Network Security 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	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
2	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
3	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
4	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
5	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
6	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
7	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
8	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
9	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
10	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
11	UCA Extended Validation Root	Root Key	sha256RSA	4096 bits	CN = UCA Extended Validation Root O = UniTrust C = CN	D9743AE4303D0DF712DC7E5A059F1E349AF7E114	D43AF9B35473755C9684FC06D7D8CB70EE5C28E773FB294EB41EE71722924D24	UCA Extended Validation Root
12	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
13	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
14	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
15	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
16	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
17	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BB61408AED9F530B2EC0545E53BA2C8EBEAA57D9976447DB1663CED4600CD6B7	Certum Trusted Network CA
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
37	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
38	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
39	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
40	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
41	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
42	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
42	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
44	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
45	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
46	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
47	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
48	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
49	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
50	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
51	SHECA RSA Extended Validation Code Signing CA	Signing Key	sha256RSA	2048 bits	CN = SHECA RSA Extended Validation Code Signing CA O = UniTrust C = CN	8E40665F6AA940C2B9F1F04A226395645937707E5	D404FAFA4BA2F426B66CD219C6DA84F91C0FB7CB58429EC8077E2A764314D55D	UCA Extended Validation Root
52	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
53	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
54	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
55	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
56	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
57	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
58	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
59	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
60	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
61	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
62	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
63	SHECA SMIME CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA SMIME CA G1 O = UniTrust C = CN	1FA80B4DCF9CA6A53ADAB096AB9957B90A9B7F5D	8100D384D6C4529883C37C37C68FD4903C41CCBCB9033A9C733A6AF0806E1DE7	UCA Global G2 Root
64	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
65	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
66	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
67	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
68	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
69	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
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	ZoTrus RSA DV SSL CA G1	Signing Key	sha384RSA	3072 bits	CN = ZoTrus RSA DV SSL CA G1 O = ZoTrus Technology	EC1EBCB71E092769EFA715E89AA1677C33AA0F5A	E7EF1AD946214B32AF03CC287930D0464ED2C086D7A1447C6E27FC9217D4E16B	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					Limited C = CN			
78	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
79	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
80	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
81	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
82	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	FFD0D9EEEAAFBB4C44F71392F20A52E0F658968549331396407 22DECFC2D4658	UCA Global G2 Root
83	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
84	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
85	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
96	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
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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	220336E7515302E6CDFA99C51732DA4FCE34A096	7D7702A277CFEBC283F6F24A2C17CA0EBA7600096105244AD1913E7BE2E56A29	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					有限公司 C = CN			
113	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
114	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
115	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 CA locations in scope 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) for Network Security Requirements and provides CA services.

The management of SHECA is responsible for establishing and maintaining effective controls over its CA operations, including its network and certificate security system 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 controls over its CA services. Based on that assessment, 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:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

in accordance with the WebTrust Principles and Criteria for Certification Authorities – Network Security v2.0.5.



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	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
2	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
3	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
4	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
5	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
6	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
7	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
8	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
9	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
10	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
11	UCA Extended Validation Root	Root Key	sha256RSA	4096 bits	CN = UCA Extended Validation Root O = UniTrust C = CN	D9743AE4303D0DF712DC7E5A059F1E349AF7E114	D43AF9B35473755C9684FC06D7D8CB70EE5C28E773FB294EB41EE71722924D24	UCA Extended Validation Root
12	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
13	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
14	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
15	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
16	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
17	UCA Global G2 Root	Signing Key	sha256RSA	4096 bits	CN = UCA Global G2 Root O = UniTrust C = CN	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BB61408AED9F530B2EC0545E53BA2C8EBEAA57D9976447DB1663CED4600CD6B7	Certum Trusted Network CA
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
42	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
44	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
45	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
46	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
47	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

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48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	SHECA EV TLS ECC CA C2	Signing Key	sha384RSA	384 bits	CN = SHECA EV TLS ECC CA C2 O = UniTrust	AEAFD7E1680007D1875357883EDDF298E3C8983C	E3BF9CA7BC56D03EE6BAE52E3FBA47CAFE4198F2A026C8278087D82B951E428C	UCA Extended Validation Root

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					C = CN			
59	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
60	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
61	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
62	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
63	SHECA SMIME CA G1	Signing Key	sha256RSA	2048 bits	CN = SHECA SMIME CA G1 O = UniTrust C = CN	1FA80B4DCF9CA6A53ADAB096AB9957B90A9B7F5D	8100D384D6C4529883C37C37C68FD4903C41CCBCB9033A9C733A6AF0806E1DE7	UCA Global G2 Root
64	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
65	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
66	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
67	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
68	SHECA Global G3 SSL	Signing Key	sha256RSA	2048 bits	CN = SHECA Global G3 SSL O = UniTrust	9820F0F1D942A6DE833F991019003D6868D20181	AEFFE4335EE56422E927F45E95AE142B9EB35979A7400569AE9BDEA6CAABC1DC	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					S = Shanghai C = CN			
69	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
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
78	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
79	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
80	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
81	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
82	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	FFD0D9EEEAAFBB4C44F71392F20A52E0F658968549331396407 22DECFC2D4658	UCA Global G2 Root
83	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
84	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
85	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
86	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	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
96	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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	ACD2DAF4035377A49A4791509586B4AF73E0A629	CC379B3FC6555754C11696364926F828A1FAFED714C9AD9203227174E7603BBA	UCA Global G2 Root

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
					有限公司 C = CN			
107	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
108	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
109	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
110	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
111	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
112	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
113	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

#	CA Name	Key Type	Signature Algorithm	Key Size	Subject DN	Subject Key Identifier	Certificates Thumbprint (SHA256)	Certificate Signed by
114	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
115	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