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INDEPENDENT ASSURANCE REPORT

To the management of Global Digital Cybersecurity Authority Co.,Ltd. ("GDCA"):

We have been engaged, in a reasonable assurance engagement, to report on GDCA management's assertion that for its Certification Authority ("CA") operations at locations as enumerated in Appendix C, throughout the period 1 March 2024 to 28 February 2025 for its CAs as enumerated in Appendix A, GDCA has:

- disclosed its SSL certificate life cycle management business practices in its Certification Practice Statement (CPS) and Certificate Policy (CP) as enumerated in Appendix B, including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the GDCA website, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
  - SSL certificate subscriber information is properly authenticated

- 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 – SSL Baseline v2.8.

GDCA had disclosed an incident (Bug 1888060) on Mozilla's Bugzilla Platform on 26 March 2024. In the incident, GDCA had issued 20 SSL/TLS certificates from 15 September to 8 October 2023 with the Basic Constraints extension included but not set as Critical, the affected certificates including 12 OV certificates, 7 DV certificates, and 1 EV certificate. As of 5:10PM, 2 April 2024 (UTC+8), all these certificates had either been revoked or expired. After the mis-issuance, the cause analysis of the incident and the remediations conducted by GDCA have been illustrated in the process of public discussion. The matter on the public platform has been closed on 5 March 2025.

GDCA had disclosed an incident (Bug 1889062) on Mozilla's Bugzilla Platform on 2 April 2024. In the incident, As noted in Bug 1888060, GDCA had issued 20 SSL/TLS certificates with Non-critical Basic Constraints extension from 15 September to 8 October 2023, and as of 5:10PM, 2 April 2024 (UTC+8), all the certificates had either been revoked or expired. There were 13 certificates which had not been revoked within 5 days since receiving the Certificate Problem Report, leading to a violation of Baseline Requirements 4.9.1.1. After the revocations delayed, the cause analysis of the derived incident and the remediations conducted by GDCA have been illustrated in the process of public discussion. The matter on the public platform has been closed on 2 April 2025.

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Certification authority's responsibilities

GDCA's management is responsible for its 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 – SSL Baseline v2.8.

Our independence and quality control

We have complied with the independence and other ethical requirements of the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies International Standard on Quality Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Auditor's responsibilities

Our responsibility is to express an opinion on management's assertion based on our procedures. We conducted our procedures in accordance with International Standard on Assurance Engagements 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information,* issued by the International Auditing and Assurance Standards Board. This standard requires that we plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, management's assertion is fairly stated, and, accordingly, included:

(1) obtaining an understanding of GDCA's SSL certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of SSL certificates, and obtaining an understanding of GDCA's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
(2) selectively testing transactions executed in accordance with disclosed SSL 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.

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

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at GDCA 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.

Inherent limitations

Because of the nature and inherent limitations of controls, GDCA's ability to meet the aforementioned criteria may

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be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorized access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection of any conclusions based on our findings to future periods is subject to the risk that changes may alter the validity of such conclusions.

Opinion

In our opinion, throughout the period 1 March 2024 to 28 February 2025, GDCA management's assertion, as referred to above, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8.

This report does not include any representation as to the quality of GDCA's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8, nor the suitability of any of GDCA's services for any customer's intended purpose.

Use of the WebTrust seal

GDCA's use of the WebTrust for Certification Authorities – SSL Baseline 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.

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20 May 2025

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Appendix A

The list of keys and certificates covered in the management's assertion is as follow:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F4DCEE89AA17CCF0E3F65C529886A1951	BFFF8FD04433487D6A8AA60C1A29767A9FC2BBB05E420F713A13B992891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	882E0146D15D3483EE5981E35067F1449E562B89E22ECC3FDF37274EDD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	BEC06F55344C3DE4F12CD5D808906CDE275234951BE0176A787E628E2BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	051C238FAD7C1DC0FCEB4AEF79CAE97FE49A82DA8916A4A0920F307AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	2F2F008817710A1085B4E6BC5E3335474444D983272E33995A331BE1A4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	5600AFB6BAE2A83B66B9CBBE9CEEC8F53E26420A69939A48DCC6D56B99790A63	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	1E96ABB2D6502B5DCE518EC00B5A1E543349EFD2E3F68BE9ABC1128B256FEDD7	GDCA TrustAUTH R5 ROOT

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CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83C60C2AA02692AE3F7B4074B5300B3595	74468180CE564BAD7E812210AF743E85CA96CBA44CF5851FA00082341B2535F5	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E0735A81763DBC9D61E3E639DDDC617D0	99442C8F83A3C5090CA50C1C0B1DE4B32ED418FF0AA7C3240E91230159F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	96A5A2CD39800CFB6A2A830EE52DCF47FBB00FF1B03204DB36915CEA31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	55324A9832512FC6C99F15BF0E9ED3D6BEB4398CCEE194B7FF849D96D9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	5DB60C2D6B6BECF314477589A3A4FB4CCF84649D69B0B21B3D6B2ABA78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	86C6707BBE27CDE1215E25D3F8146A522281E18C45DF2CB8C6FB7A03C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AEA041621C2084B7D38881D1CD8072C77F	3253412FDAD4523108C098BB0EE0EFEDD7FAFDD00FB30E47C6BBA9FE3E1CDB88	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA0E1FFC311F6D5834064DE635D0475180	3B39A01EB6DD0C0E870359F01AFB66665E0D5C24080291A0769D7F0FB4BB0E4E	GDCA TrustAUTH R5 ROOT

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CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D34860FFB702F1781050FFD10DFB735803	4FBCDFC8184C41523CEBA58A4F3BAFD36ECADACC11ECA148AA24C774C8E4B47B	GDCA TrustAUTH R5 ROOT
CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2BE5C08BBADF14CA6EB71B58B1201F329	71A1A38FF485137002DD5CD780B3873DDE146723EE28080ECF3738C7C4FEB1AE	数安时代R5 根 CA
CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF467654EA51D4B2810E540916D2DEEFF386	FA920C8539428B3CB4BF77BE2532BC6D0DDD97EB664EE8BEA297DAAD147EA76F	数安时代R5 根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E582F1B860F85B257B24A3131C4A970A19B	203D73A528847AAA7B4EA16098B048215B311BFB3E24AB27DCD7B15BDF83C1D6	数安时代R5 根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EAFD7A04DDC2AE623909693113 8EBE91D8	E43F7A0BAF943180D7D40FED2E54965BD674DC2C82EFAB2A5108AA3D6664A641	数安时代R5 根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620D2AA7B2C10CB52E259D40A153C11E3F7	13CD63B1F4A3F41914BD7EA3362DBEE075A229138206861622297BF643598961	数安时代R5 根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C1723AD9F26C4928AFC7F77FD1627097831	1DDCBC25FC8E9987B5F425A2131550D38329A663DB08F15BDDDB71F2BF87E200	数安时代R5 根 CA
CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB389F57FD55AD4FEB1258451E2C86ABEF7	18CDC6E98BE17513D4F12B72FFB8FA7437FD18A21352C2695EB68BB91D0B1BAD	数安时代R5 根 CA

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CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724E DA99640C E14480ED 731D35FC 8D4243C4	F051A99F563 0D835FAF6F6 D1A50DD92B3 6A127DF3B12 B54317A0763 0FCDB0307	数安时代R5 根CA
CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D4 20A5DB56 97F29730 C88A6189 9FA5F222	EA152FD132D E4F4E71930A 9760517A81D ACBBB5F1014 D8BD7782AC0 CC37E9431	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E535 26589289 93BC96AC 2344456B 4644C7BF	08646322AE5 1E91C8D61D9 0A2D11F4D3B A6D386A4142 56B66AD5711 6934A9EC3	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF0 62120F01 ECEF127A 6E5AC45D 0299A22C	AA0E436C044 20376287C9A C94A38B975B 84DF16F0C63 0FF079E750D ADD03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3 DD52570A 928FC182 C4C615B5 AEC63EFB	1A404FB498F C8D525DEEAC 47299CABA3D 4A716D94AD5 5DFAFCF7B65 76AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC6 8A2F902E 21DDCEED DAAAFB25 70F2D067	BA4B5FB3FD5 4BE90EBBAC6 AEBF512D2FC 490B1D6397B C4E779F2ED3 D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8 E4A530A5 7DE31681 2EBFCB1C 16C0D760	E5AB9FA5362 A0F0137C845 41B4F682908 7307329BE3C 05F8BC4A281 1159B7BFF	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F596 7C365592 21E343DB C8C862D3 BBC34684	007B5E81298 733CB0FF0EA 8D2FBAE9BC5 54A05EC3957 6E0D0F2EABD A3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A 7CC81C8E 2114AD92 1F8A3023 9A3880F8	760F03A6A7F 99BA47E42DF 456B0E3ED2D 8DF99181157 97396CE83E9 5040AF547	GDCA TrustAUTH E5 ROOT

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CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF8554B5BC7485FCBAB3C583CED9F5BF8B	77AE39E8D124F6BC747C74FA8DA2AE089358C4930566ED7369144672D74C6471	GDCA TLS ROOT R52
CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	20E9D874315D922D5593310D8997A43B3F17C041	6C12CD824190D6ADD67E258F74FC7DFAE4A4A37151BBFE1B50D9FBCED296E720	GDCA TLS ROOT R52
CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	73BB9BD3D57E6455A03EBBF87F5320D8EBF21D17	998C68E2C65106EBBF9AD6F39CC4478B9A23D5D71EECAB51A643067E49E0A285	GDCA TLS ROOT R52
CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	29312D4F17B4E721ACAB9DA71AFE439EA80B3080	AC54B851E7383961B1D64935BA59DA920B3DB7EE5734B22250184FA95C08C15A	GDCA TLS ROOT R52
CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	069953CDEE29468A9548584F43635AEE0AF13904	D50FDF57D3CEC20EE91256A4A6DA768C36A510DFE5771F23EF4B1833290BF012	GDCA TLS ROOT E52
CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	175CF6CE6D73FA044C3F7E74EB71838C0033BB84	9194B7C0D00571592962AE4F6F1302837362FE09B03898EBFCCDB845E6F861E8	GDCA TLS ROOT E52
CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	9ED918C1C15E3D68EDED2F57046E3DE2BBD1959A	BD488893767ABBF139ED3676840EA5CD4544171DDBEF3C67B6AD4E9A3BA45AA7	GDCA TLS ROOT E52
CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	A353DDE718C8E3BBA047EBD57395ABC079F2D4DA	0E11404171289F7214FD9F817E01D71702394BBB57EF678F9AC6881022816235	GDCA TLS ROOT E52

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Appendix B

Applicable versions of Certification Practice Statement (CPS) and Certificate Policy (CP) in-scope:

Name	Version	Release Date
GDCA CPS	6.2	28 February 2025
GDCA CPS	6.1	15 April 2024
GDCA CPS	6.0	31 August 2023
GDCA EV CPS	3.0	28 February 2025
GDCA EV CPS	2.9	15 April 2024
GDCA EV CPS	2.8	8 May 2023
GDCA CP	3.3	28 February 2025
GDCA CP	3.2	15 April 2024
GDCA CP	3.1	31 August 2023
GDCA EV CP	2.9	28 February 2025
GDCA EV CP	2.8	15 April 2024
GDCA EV CP	2.7	8 May 2023

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Appendix C

Locations in-scope:

Location	Function
Guangzhou City, Guangdong, China	Administration and Support
Foshan City (West), Guangdong, China	Datacenter Facility
Foshan City (East), Guangdong, China	Datacenter Facility

GDCA MANAGEMENT'S ASSERTION

Global Digital Cybersecurity Authority Co.,Ltd. ("GDCA") operates the Certification Authority ("CA") services known as CAs in Appendix A and provides SSL CA services.

The management of GDCA is responsible for establishing and maintaining effective controls over its SSL CA operations, its SSL CA business practices disclosure on its website, SSL key lifecycle management controls, and SSL 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 GDCA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

GDCA management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in GDCA management's opinion, in providing its CA services at locations as enumerated in Appendix C, throughout the period 1 March 2024 to 28 February 2025, GDCA has:

- disclosed its SSL certificate life cycle management business practices in its Certification Practice Statement (CPS) and Certificate Policy (CP) as enumerated in Appendix B, including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the GDCA website, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
  - SSL certificate subscriber information is properly authenticated

- 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 – SSL Baseline – Version 2.8.

GDCA 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.

GDCA had disclosed an incident (Bug 1888060) on Mozilla's Bugzilla Platform on 26 March 2024. In the incident, GDCA had issued 20 SSL/TLS certificates from 15 September to 8 October 2023 with the Basic Constraints extension included but not set as Critical, the affected certificates including 12 OV certificates, 7 DV certificates, and 1 EV certificate. As of 5:10PM, 2 April 2024 (UTC+8), all these certificates had either been revoked or expired. After the mis-issuance, the cause analysis of the incident and the remediations conducted by GDCA have been illustrated in the process of public discussion. The matter on the public platform has been closed on 5 March 2025.

GDCA had disclosed an incident (Bug 1889062) on Mozilla's Bugzilla Platform on 2 April 2024. In the incident, As

noted in Bug 1888060, GDCA had issued 20 SSL/TLS certificates with Non-critical Basic Constraints extension from 15 September to 8 October 2023, and as of 5:10PM, 2 April 2024 (UTC+8), all the certificates had either been revoked or expired. There were 13 certificates which had not been revoked within 5 days since receiving the Certificate Problem Report, leading to a violation of Baseline Requirements 4.9.1.1. After the revocations delayed, the cause analysis of the derived incident and the remediations conducted by GDCA have been illustrated in the process of public discussion. The matter on the public platform has been closed on 2 April 2025.

Mr. Xiao Qiang
General Manager of Global Digital Cybersecurity Authority Co.,Ltd.
Ke Jiao Road, Nanhai Software Technology Park, Shishan Town, Nanhai District, Foshan City, Guangdong Province.

20 May 2025

Appendix A

The list of keys and certificates covered in the management's assertion is as follow:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F4DCEE89AA17CCF0E3F65C529886A1951	BFFF8FD04433487D6A8AA60C1A29767A9FC2BBB05E420F713A13B992891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	882E0146D15D3483EE5981E35067F1449E562B89E22ECC3FDF37274EDD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	BEC06F55344C3DE4F12CD5D808906CDE275234951BE0176A787E628E2BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	051C238FAD7C1DC0FCEB4AEF79CAE97FE49A82DA8916A4A0920F307AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	2F2F008817710A1085B4E6BC5E3335474444D983272E33995A331BE1A4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	5600AFB6BAE2A83B66B9CBBE9CEEC8F53E26420A69939A48DCC6D56B99790A63	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	1E96ABB2D6502B5DCE518EC00B5A1E543349EFD2E3F68BE9ABC1128B256FEDD7	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83C60C2AA02692AE3F7B4074B5300B3595	74468180CE564BAD7E812210AF743E85CA96CBA44CF5851FA00082341B2535F5	GDCA TrustAUTH R5 ROOT

CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E0735A81763DBC9D61E3E639DDDC617D0	99442C8F83A3C5090CA50C1C0B1DE4B32ED418FF0AA7C3240E912301 59F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	96A5A2CD39800CFB6A2A830EE52DCF47FBB00FF1B03204DB36915CEA31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	55324A9832512FC6C99F15BF0E9ED3D6BEB4398CCEE194B7FF849D96D9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	5DB60C2D6B6BECF314477589A3A4FB4CCF84649D69B0B21B3D6B2ABA78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	86C6707BBE27CDE1215E25D3F8146A522281E18C45DF2CB8C6FB7A03C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AEA041621C2084B7D38881D1CD8072C77F	3253412FDAD4523108C098BB0EE0EFEDD7FAFDD00FB30E47C6BBA9FE3E1CDB88	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA0E1FFC311F6D5834064DE635D0475180	3B39A01EB6DD0C0E870359F01AFB666650E0D5C24080291A0769D7F0FB4BB0E4E	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D34860FFB702F1781050FFD10DFB735803	4FBCDFC8184C41523CEBA58A4F3BAFD36ECADACC11ECA148AA24C774C8E4B47B	GDCA TrustAUTH R5 ROOT

CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2BE5C08BBADF14CA6EB71B58B1201F329	71A1A38FF485137002DD5CD780B3873DDE146723EE28080ECF3738C7C4FEB1AE	数安时代R5根 CA
CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF467654EA51D4B2810E540916D2DEEFF386	FA920C8539428B3CB4BF77BE2532BC6D0DDD97EB664EE8BEA297DAAD147EA76F	数安时代R5根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E582F1B860F85B257B24A3131C4A970A19B	203D73A528847AAA7B4EA16098B048215B311BFB3E24AB27DCD7B15BDF83C1D6	数安时代R5根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EAFD7A04DDC2AE6239096931138EBE91D8	E43F7A0BAF943180D7D40FED2E54965BD674DC2C82EFAB2A5108AA3D6664A641	数安时代R5根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620D2AA7B2C10CB52E259D40A153C11E3F7	13CD63B1F4A3F41914BD7EA3362DBEE075A2291382068616222297BF643598961	数安时代R5根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C1723AD9F26C4928AFC7F77FD1627097831	1DDCBC25FC8E9987B5F425A2131550D38329A663DB08F15BDDDB71F2BF87E200	数安时代R5根 CA
CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB389F57FD55AD4FEB1258451E2C86ABEF7	18CDC6E98BE17513D4F12B72FFB8FA7437FD18A21352C2695EB68BB91D0B1BAD	数安时代R5根 CA
CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724EDA99640CE14480ED731D35FC8D4243C4	F051A99F5630D835FAF6F6D1A50DD92B36A127DF3B12B54317A07630FCDB0307	数安时代R5根CA
CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D420A5DB5697F29730C88A61899FA5F222	EA152FD132DE4F4E71930A9760517A81DACBBB5F1014D8BD7782AC0CC37E9431	GDCA TrustAUTH E5 ROOT

CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E53526589289 93BC96AC2344456B 4644C7BF	08646322AE51E91C8D61D90A2D11F4D3BA6D386A414256B66AD57116934A9EC3	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF062120F01ECEF127A6E5AC45D0299A22C	AA0E436C04420376287C9AC94A38B975B84DF16F0C630FF079E750DADD03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3DD52570A928FC182C4C615B5AEC63EFB	1A404FB498FC8D525DEEAC47299CABA3D4A716D94AD55DFAFCF7B6576AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC68A2F902E21DDCEEDDAAAFB2570F2D067	BA4B5FB3FD54BE90EBBAC6AEBF512D2FC490B1D6397BC4E779F2ED3D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8E4A530A57DE316812EBFCB1C16C0D760	E5AB9FA5362A0F0137C84541B4F6829087307329BE3C05F8BC4A2811159B7BFF	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F5967C36559221E343DBC8C862D3BBC34684	007B5E81298733CB0FF0EA8D2FBAE9BC554A05EC39576E0D0F2EABDA3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A7CC81C8E2114AD921F8A30239A3880F8	760F03A6A7F99BA47E42DF456B0E3ED2D8DF9918115797396CE83E95040AF547	GDCA TrustAUTH E5 ROOT
CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF8554B5BC7485FCBAB3C583CED9F5BF8B	77AE39E8D124F6BC747C74FA8DA2AE089358C4930566ED7369144672D74C6471	GDCA TLS ROOT R52

CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	20E9D874315D922D5593310D8997A43B3F17C041	6C12CD8241900D6ADD67E258F74FC7DFAE4A4A37151BBFE1B50D9FBCED296E720	GDCA TLS ROOT R52
CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	73BB9BD3D57E6455A03EBBF87F5320D8EBF21D17	998C68E2C65106EBBF9AD6F39CC4478B9A23D5D71EECAB51A643067E49E0A285	GDCA TLS ROOT R52
CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	29312D4F17B4E721ACAB9DA71AFE439EA80B3080	AC54B851E7383961B1D64935BA59DA920B3DB7EE5734B22250184FA95C08C15A	GDCA TLS ROOT R52
CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	069953CDEE29468A9548584F43635AEE0AF13904	D50FDF57D3CEC20EE91256A4A6DA768C36A510DFE5771F23EF4B1833290BF012	GDCA TLS ROOT E52
CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	175CF6CE6D73FA044C3F7E74EB71838C0033BB84	9194B7C0D00571592962AE4F6F1302837362FE09B03898EBFCCDB845E6F861E8	GDCA TLS ROOT E52
CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	9ED918C1C15E3D68EDED2F57046E3DE2BBD1959A	BD488893767ABBF139ED3676840EA5CD4544171DDBEF3C67B6AD4E9A3BA45AA7	GDCA TLS ROOT E52
CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	A353DDE718C8E3BBA047EBD57395ABC079F2D4DA	0E11404171289F7214FD9F817E01D71702394BBB57EF678F9AC6881022816235	GDCA TLS ROOT E52

Appendix B

Applicable versions of Certification Practice Statement (CPS) and Certificate Policy (CP) in-scope:

Name	Version	Release Date
GDCA CPS	6.2	28 February 2025
GDCA CPS	6.1	15 April 2024
GDCA CPS	6.0	31 August 2023
GDCA EV CPS	3.0	28 February 2025
GDCA EV CPS	2.9	15 April 2024
GDCA EV CPS	2.8	8 May 2023
GDCA CP	3.3	28 February 2025
GDCA CP	3.2	15 April 2024
GDCA CP	3.1	31 August 2023
GDCA EV CP	2.9	28 February 2025
GDCA EV CP	2.8	15 April 2024
GDCA EV CP	2.7	8 May 2023

Appendix C

Locations in-scope:

Location	Function
Guangzhou City, Guangdong, China	Administration and Support
Foshan City (West), Guangdong, China	Datacenter Facility
Foshan City (East), Guangdong, China	Datacenter Facility

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独立鉴证报告

（注意：本中文报告只作参考。正文请参阅英文报告。）

致：数安时代科技股份有限公司管理阶层

我们接受委托，对附件一所列数安时代科技股份有限公司（Global Digital Cybersecurity Authority Co., Ltd.，以下简称“GDCA”）于 2024 年 3 月 1 日至 2025 年 2 月 28 日期间于附件三所列地点运营的电子认证服务其管理阶层认定执行了合理保证的鉴证业务。根据管理阶层认定，GDCA 已：

- 在附件二列举的认证体系电子认证业务规则（CPS）和认证体系证书策略（CP）中披露了 SSL 证书生命周期业务规则，包括承诺遵循 CA/Browser 论坛的相关指引提供 SSL 证书服务，并依据披露的业务规则提供相关服务

- 通过有效控制机制，以提供以下合理保证：
  - 建立并保护所管理的密钥和 SSL 证书在生命周期中的完整性；以及
  - 于 GDCA 所执行的注册操作恰当地鉴定 SSL 证书申请者的信息

- 通过有效控制机制，以提供以下合理保证：
  - 对 CA 系统和数据的逻辑和物理访问仅限于授权的个人；
  - 保持密钥和证书管理操作的连续性；以及
  - CA 系统的开发，维护和操作得到适当的授权和执行，以维持 CA 系统的完整

- 通过有效控制机制，以提供合理保证确保符合 CA/Browser 论坛（CA/Browser Forum）发布的网络及证书系统安全规范（Network and Certificate System Security Requirements）

以符合 WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8。

GDCA 于 2024 年 3 月 26 日披露了 Mozilla Bugzilla 平台上的一起事件（Bug 1888060）。在该事件中，GDCA 在 2023 年 9 月 15 日至 10 月 8 日期间颁发了 20 个 SSL/TLS 证书，证书包括了基本约束扩展，但未设置为关键， 受影响的证书包括 12 个 OV 证书、7 个 DV 证书和 1 个 EV 证书。 截至 2024 年 4 月 2 日下午 5:10（UTC+8），所有这些证书均已被撤销或过期。 错发事件发生后，GDCA 对事件原因的分析和整改措施已在公众讨论过程中得到阐述。此事於公共平台上的討論於 2025 年 3 月 5 日關閉。

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GDCA 于 2024 年 4 月 2 日披露了 Mozilla Bugzilla 平台上的一起事件（Bug 1889062）。在该事件中，如 Bug 1888060 中所述，GDCA 在 2023 年 9 月 15 日至 10 月 8 日期间颁发了 20 个带有非关键基本约束扩展的 SSL/TLS 证书，截至 2024 年 4 月 2 日下午 5 点 10 分（UTC+8），所有证书已被撤销或过期。然而，有 13 个证书在收到证书问题报告后 5 天内尚未吊销，导致违反了基线要求 4.9.1.1。撤销延誤的衍生事件發生后，原因分析以及 GDCA 采取的补救措施已在公众讨论过程中得到阐述。此事於公共平台上的討論於 2025 年 4 月 2 日關閉。

GDCA 的责任

GDCA 的管理层负责确保管理层认定，包括其陈述的客观性以及认定中描述的 GDCA 所提供的服务能够符合 WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8 的规定。

审计师的独立性和质量控制

我们保持独立性并遵守国际道德委员会针对会计人员发布的职业会计师道德准则（*Code of Ethics for Professional Accountants*）规定的道德要求，该准则是建立在正直、客观、专业能力和谨慎、保密和职业行为的基本原则之上。本所采用国际质量管理标准 (ISQM) 1，即*执行财务报表审计或审阅或其他保证或相关服务业务的公司的质量管理*，并据此维护全面的质量控制体系，包括符合道德要求、专业标准和适用法律法规要求的文件化的政策和程序。

审计师的责任

我们的职责是在执行鉴证工作的基础上对 GDCA 的管理层认定发表结论。我们根据国际审计与鉴证准则理事会发布的国际鉴证业务准则第 3000 号“*历史财务信息审计或审阅以外的鉴证业务*”的规定执行了鉴证工作。此准则要求我们计划并执行相应的审计程序以获取所有重大方面和对管理层认定的合理保证，包括：

(1) 了解 GDCA SSL 证书生命周期管理，包括 SSL 证书发放、更新和吊销，并了解 GDCA 的网络和证书系统安全是否符合 CA/Browser 论坛的相应要求；
(2) 选择测试业务操作是否遵守了所披露的 SSL 证书生命周期管理；
(3) 测试和评估控制活动执行的有效性；以及
(4) 执行其他我们认为必要的鉴证程序。

我们相信，我们获取的证据是充分、适当的，为发表鉴证结论提供了基础。

控制的有效性

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GDCA 的内部控制的有效性和重要性，及其对用户及相关依赖方的控制风险评估所产生的影响，取决于控制间的相互作用以及其他存在于每个用户和相关依赖方的因素。我们并没有对用户和依赖方所负责的控制的有效性进行任何评估工作。

固有限制

由于内部控制体系本身的限制，GDCA 满足上述要求的能力可能会受到影响，例如：控制可能未达到预防、发现或纠正错误、舞弊、对系统或信息的未授权访问，或违反内外部制度或规定的要求。此外，风险的变化可能会影响本评估报告在将来时间的参考价值。

结论

我们认为，GDCA 于 2024 年 3 月 1 日至 2025 年 2 月 28 日期间的电子认证服务的管理阶层认定在所有重大方面符合 WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8。

本报告并不包括任何在 WebTrust Principles and Criteria for Certification Authorities – SSL Baseline v2.8 以外的质量标准声明，或对任何客户对 GDCA 服务的合适性声明。

对 Webtrust 标识的使用

在 GDCA 网站上的 WebTrust SSL BR 电子认证标识是本报告内容的一种符号表示，它并不是为了也不应被认为是对本报告的更新或任何进一步的保证。

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20 May 2025

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附件一

本认定报告内包括的密钥与证书列举如下:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F4DCEE89AA17CCF0E3F65C529886A1951	BFFF8FD04433487D6A8AA60C1A29767A9FC2BBB05E420F713A13B992891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	882E0146D15D3483EE5981E35067F1449E562B89E22ECC3FDF37274EDD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	BEC06F55344C3DE4F12CD5D808906CDE275234951BE0176A787E628E2BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	051C238FAD7C1DC0FCEB4AEF79CAE97FE49A82DA8916A4A0920F307AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	2F2F008817710A1085B4E6BC5E3335474444D983272E33995A331BE1A4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	5600AFB6BAE2A83B66B9CBBE9CEEC8F53E26420A69939A48DCC6D56B99790A63	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	1E96ABB2D6502B5DCE518EC00B5A1E543349EFD2E3F68BE9ABC1128B256FEDD7	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83C60C2AA02692AE3F7B4074B5300B3595	74468180CE564BAD7E812210AF743E85CA96CBA44CF5851FA00082341B2535F5	GDCA TrustAUTH R5 ROOT

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CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E0735A81763DBC9D61E3E639DDDC617D0	99442C8F83A3C5090CA50C1C0B1DE4B32ED418FF0AA7C3240E912301159F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	96A5A2CD39800CFB6A2A830EE52DCF47FBB00FF1B03204DB36915CEA31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	55324A9832512FC6C99F15BF0E9ED3D6BEB4398CCEE194B7FF849D96D9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	5DB60C2D6B6BECF314477589A3A4FB4CCF84649D69B0B21B3D6B2ABA78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	86C6707BBE27CDE1215E25D3F8146A522281E18C45DF2CB8C6FB7A03C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AEA041621C2084B7D38881D1CD8072C77F	3253412FDAD4523108C098BB0EE0EFEDD7FAFDD00FB30E47C6BBA9FE3E1CDB88	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA0E1FFC311F6D5834064DE635D0475180	3B39A01EB6DD0C0E870359F01AFB66665E0D5C24080291A0769D7F0FB4BB0E4E	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D34860FFB702F1781050FFD10DFB735803	4FBCDFC8184C41523CEBA58A4F3BAFD36ECADACC11ECA148AA24C774C8E4B47B	GDCA TrustAUTH R5 ROOT

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CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2BE5C08BBADF14CA6EB71B58B1201F329	71A1A38FF485137002DD5CD780B3873DDE146723EE28080ECF3738C7C4FEB1AE	数安时代R5根 CA
CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF467654EA51D4B2810E540916D2DEEFF386	FA920C8539428B3CB4BF77BE2532BC6D0DDD97EB664EE8BEA297DAAD147EA76F	数安时代R5根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E582F1B860F85B257B24A3131C4A970A19B	203D73A528847AAA7B4EA16098B048215B311BFB3E24AB27DCD7B15BDF83C1D6	数安时代R5根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EAFD7A04DDC2AE623909693113 8EBE91D8	E43F7A0BAF943180D7D40FED2E54965BD674DC2C82EFAB2A5108AA3D6664A641	数安时代R5根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620D2AA7B2C10CB52E259D40A153C11E3F7	13CD63B1F4A3F41914BD7EA3362DBEE075A229138206861622297BF643598961	数安时代R5根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C1723AD9F26C4928AFC7F77FD1627097831	1DDCBC25FC8E9987B5F425A2131550D38329A663DB08F15BDDDB71F2BF87E200	数安时代R5根 CA
CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB389F57FD55AD4FEB1258451E2C86ABEF7	18CDC6E98BE17513D4F12B72FFB8FA7437FD18A21352C2695EB68BB91D0B1BAD	数安时代R5根 CA
CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724EDA99640CE14480ED731D35FC8D4243C4	F051A99F5630D835FAF6F6D1A50DD92B36A127DF3B12B54317A07630FCDB0307	数安时代R5根CA

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CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D420A5DB5697F29730C88A61899FA5F222	EA152FD132DE4F4E71930A9760517A81DACBBB5F1014D8BD7782AC0CC37E9431	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E53526589289 93BC96AC2344456B4644C7BF	08646322AE51E91C8D61D90A2D11F4D3BA6D386A414256B66AD57116934A9EC3	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF062120F01ECEF127A6E5AC45D0299A22C	AA0E436C04420376287C9AC94A38B975B84DF16F0C630FF079E750DADD03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3DD52570A928FC182C4C615B5AEC63EFB	1A404FB498FC8D525DEEAC47299CABA3D4A716D94AD55DFAFCF7B6576AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC68A2F902E21DDCEEDDAAAFB2570F2D067	BA4B5FB3FD54BE90EBBAC6AEBF512D2FC490B1D6397BC4E779F2ED3D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8E4A530A57DE316812EBFCB1C16C0D760	E5AB9FA5362A0F0137C84541B4F6829087307329BE3C05F8BC4A2811159B7BFF	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F5967C36559221E343DBC8C862D3BBC34684	007B5E81298733CB0FF0EA8D2FBAE9BC554A05EC39576E0D0F2EABDA3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A7CC81C8E2114AD921F8A30239A3880F8	760F03A6A7F99BA47E42DF456B0E3ED2D8DF9918115797396CE83E95040AF547	GDCA TrustAUTH E5 ROOT

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CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF8554B5BC7485FCBAB3C583CED9F5BF8B	77AE39E8D124F6BC747C74FA8DA2AE089358C4930566ED7369144672D74C6471	GDCA TLS ROOT R52
CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	20E9D874315D922D5593310D8997A43B3F17C041	6C12CD824190D6ADD67E258F74FC7DFAE4A4A37151BBFE1B50D9FBCED296E720	GDCA TLS ROOT R52
CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	73BB9BD3D57E6455A03EBBF87F5320D8EBF21D17	998C68E2C65106EBBF9AD6F39CC4478B9A23D5D71EECAB51A643067E49E0A285	GDCA TLS ROOT R52
CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	29312D4F17B4E721ACAB9DA71AFE439EA80B3080	AC54B851E7383961B1D64935BA59DA920B3DB7EE5734B22250184FA95C08C15A	GDCA TLS ROOT R52
CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	069953CDEE29468A9548584F43635AEE0AF13904	D50FDF57D3CEC20EE91256A4A6DA768C36A510DFE5771F23EF4B1833290BF012	GDCA TLS ROOT E52
CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	175CF6CE6D73FA044C3F7E74EB71838C0033BB84	9194B7C0D00571592962AE4F6F1302837362FE09B03898EBFCCDB845E6F861E8	GDCA TLS ROOT E52
CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	9ED918C1C15E3D68EDED2F57046E3DE2BBD1959A	BD488893767ABBF139ED3676840EA5CD4544171DDBEF3C67B6AD4E9A3BA45AA7	GDCA TLS ROOT E52
CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	A353DDE718C8E3BBA047EBD57395ABC079F2D4DA	0E11404171289F7214FD9F817E01D71702394BBB57EF678F9AC6881022816235	GDCA TLS ROOT E52

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附件二

范围内适用之CP/CPS版本:

Name	Version	Release Date
GDCA CPS	6.2	28 February 2025
GDCA CPS	6.1	15 April 2024
GDCA CPS	6.0	31 August 2023
GDCA EV CPS	3.0	28 February 2025
GDCA EV CPS	2.9	15 April 2024
GDCA EV CPS	2.8	8 May 2023
GDCA CP	3.3	28 February 2025
GDCA CP	3.2	15 April 2024
GDCA CP	3.1	31 August 2023
GDCA EV CP	2.9	28 February 2025
GDCA EV CP	2.8	15 April 2024
GDCA EV CP	2.7	8 May 2023

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附件三

范围内地点:

地点	功能
中国广州市	管理与支持
中国广东佛山(西)	数据中心
中国广东佛山(东)	数据中心

数安时代科技股份有限公司
Global Digital Cybersecurity Authority Co., Ltd.
GDCA

电子认证服务的管理阶层认定报告

（本中文报告只作参考，正文请参阅英文报告。）

数安时代科技股份有限公司（Global Digital Cybersecurity Authority Co., Ltd.，以下简称"GDCA"）运营电子认证服务机构（以下简称"CA"，附件表A列举了CA所包括的根证书和中级证书），并提供SSL CA电子认证服务。

GDCA的管理阶层负责针对SSL CA服务建立并维护有效的控制，包括：SSL CA业务规则披露、SSL CA密钥生命周期管理和SSL CA证书生命周期管理。这些控制包括监控机制及为纠正已识别的缺陷所采取的改进措施。

任何控制都有其固有限制，包括人为失误以及规避或逾越控制的可能性。因此，即使有效的控制也仅能对GDCA 运营的电子认证服务提供合理保证。此外，由于控制环境的变化，控制的有效性可能随时间而发生变化。

GDCA 管理层已对所提供的CA服务的业务规则披露及控制进行评估。基于此评估，GDCA 管理层认为，在2024年3 月1 日至2025 年2 月28 日就GDCA 在附件三所列地点提供CA服务期间，GDCA已：

- 於附件二之CP/CPS披露SSL证书生命周期管理措施，包括承诺遵循 CA/Browser 论坛（CA/Browser Forum）的相关指引提供SSL 证书服务，并依据披露的业务实践提供相关服务
- 通过有效控制机制，以提供以下合理保证：
  - 建立并保护所管理的密钥和订户 SSL 证书在生命周期中的完整性；以及
  - 于 GDCA 所执行的注册操作恰当地鉴定 SSL 证书申请者的信息
- 通过有效控制机制，以提供以下合理保证：
  - 对 CA 系统和数据的逻辑和物理访问仅限于授权的个人；
  - 保持密钥和证书管理操作的连续性；以及
  - CA 系统的开发，维护和操作得到适当的授权和执行，以维持 CA 系统的完整

以符合WebTrust Principles and Criteria for Certification Authorities – SSL Baseline – Version 2.8。

GDCA未托管其私钥，亦未提供证书挂起服务。据此，我们的认定报告未延伸至相关标准的有关控制。

GDCA 于 2024 年 3 月 26 日披露了 Mozilla Bugzilla 平台上的一起事件（Bug 1888060）。在该事件中，GDCA 在 2023 年 9 月 15 日至 10 月 8 日期间颁发了 20 个 SSL/TLS证书，证书包括了基本约束扩展，但未设置为关键， 受影响的证书包括 12 个 OV 证书、7 个 DV 证书和 1 个 EV 证书。 截至 2024 年 4 月 2 日下午 5:10（UTC+8），所有这些证书均已被撤销或过期。 错发事件发生后，GDCA对事件原因的分析和整改措施已在公众讨论过程中得到阐述。 此事於公共平台上的討論於2025 年 3月 5日關閉。

GDCA 于 2024 年 4 月 2 日披露了 Mozilla Bugzilla 平台上的一起事件（Bug 1889062）。在该事件中，如 Bug 1888060 中所述，GDCA 在 2023 年 9 月 15 日至 10 月 8 日期间颁发了 20 个带有非关键基本约束扩展的 SSL/TLS 证书 ，截至2024年4月2日下午5点10分（UTC+8），所有证书已被撤销或过期。 然而，有 13 个证书在收到证书问题报告后 5 天内尚未吊销，导致违反了基线要求 4.9.1.1。 撤销延誤的衍生事件發生后，原因分析以及GDCA

采取的补救措施已在公众讨论过程中得到阐述。此事於公共平台上的討論於2025 年 4月 2日關閉。

总经理 肖强
数安时代科技股份有限公司
中国广东省 佛山市 南海区 狮山镇 南海软件科技园 科教路
2025年5月20日

附件一

本认定报告内包括的密钥与证书列举如下:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F4DCEE89AA17CCF0E3F65C529886A1951	BFFF8FD04433487D6A8AA60C1A29767A9FC2BBB05E420F713A13B992891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	882E0146D15D3483EE5981E35067F1449E562B89E22ECC3FDF37274EDD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3A9DFC522D155654D64762589AAB6D074	BEC06F55344C3DE4F12CD5D808906CDE275234951BE0176A787E628E2BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	051C238FAD7C1DC0FCEB4AEF79CAE97FE49A82DA8916A4A0920F307AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A2D739636727D5D1EB6E2812369CF68E4	2F2F008817710A1085B4E6BC5E3335474444D983272E33995A331BE1A4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	5600AFB6BAE2A83B66B9CBBE9CEEC8F53E26420A69939A48DCC6D56B99790A63	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5BBE7C08C6AD04BB486145B0F56257A0B3	1E96ABB2D6502B5DCE518EC00B5A1E543349EFD2E3F68BE9ABC1128B256FEDD7	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83C60C2AA02692AE3F7B4074B5300B3595	74468180CE564BAD7E812210AF743E85CA96CBA44CF5851FA00082341B2535F5	GDCA TrustAUTH R5 ROOT

CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E0735A81763DBC9D61E3E639DDDC617D0	99442C8F83A3C5090CA50C1C0B1DE4B32ED418FF0AA7C3240E912301 59F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	96A5A2CD39800CFB6A2A830EE52DCF47FBB00FF1B03204DB36915CEA31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADEF52FBFA8D36CC7C63FDB6C6460DCE341	55324A9832512FC6C99F15BF0E9ED3D6BEB4398CCEE194B7FF849D96D9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	5DB60C2D6B6BECF314477589A3A4FB4CCF84649D69B0B21B3D6B2ABA78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE6180C09990596DD62455F2FFC0EB2717EC	86C6707BBE27CDE1215E25D3F8146A522281E18C45DF2CB8C6FB7A03C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AEA041621C2084B7D38881D1CD8072C77F	3253412FDAD4523108C098BB0EE0EFEDD7FAFDD00FB30E47C6BBA9FE3E1CDB88	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA0E1FFC311F6D5834064DE635D0475180	3B39A01EB6DD0C0E870359F01AFB66665E0D5C24080291A0769D7F0FB4BB0E4E	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D34860FFB702F1781050FFD10DFB735803	4FBCDFC8184C41523CEBA58A4F3BAFD36ECADACC11ECA148AA24C774C8E4B47B	GDCA TrustAUTH R5 ROOT
CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2BE5C08BBADF14CA6EB71B58B1201F329	71A1A38FF485137002DD5CD780B3873DDE146723EE28080ECF3738C7C4FEB1AE	数安时代R5 根 CA

CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF467654EA51D4B2810E540916D2DEEFF386	FA920C8539428B3CB4BF77BE2532BC6D0DDD97EB664EE8BEA297DAAD147EA76F	数安时代R5根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E582F1B860F85B257B24A3131C4A970A19B	203D73A528847AAA7B4EA16098B048215B311BFB3E24AB27DCD7B15BDF83C1D6	数安时代R5根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EAFD7A04DDC2AE623909693113 8EBE91D8	E43F7A0BAF943180D7D40FED2E54965BD674DC2C82EFAB2A5108AA3D6664A641	数安时代R5根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620D2AA7B2C10CB52E259D40A153C11E3F7	13CD63B1F4A3F41914BD7EA3362DBEE075A229138206861622297BF643598961	数安时代R5根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C1723AD9F26C4928AFC7F77FD1627097831	1DDCBC25FC8E9987B5F425A2131550D38329A663DB08F15BDDDB71F2BF87E200	数安时代R5根 CA
CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB389F57FD55AD4FEB1258451E2C86ABEF7	18CDC6E98BE17513D4F12B72FFB8FA7437FD18A21352C2695EB68BB91D0B1BAD	数安时代R5根 CA
CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724EDA99640CE14480ED731D35FC8D4243C4	F051A99F5630D835FAF6F6D1A50DD92B36A127DF3B12B54317A07630FCDB0307	数安时代R5根CA
CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D420A5DB5697F29730C88A61899FA5F222	EA152FD132DE4F4E71930A9760517A81DACBBB5F1014D8BD7782AC0CC37E9431	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E53526589289 93BC96AC2344456B4644C7BF	08646322AE51E91C8D61D90A2D11F4D3BA6D386A414256B66AD57116934A9EC3	GDCA TrustAUTH E5 ROOT

CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF062120F01ECEF127A6E5AC45D0299A22C	AA0E436C04420376287C9AC94A38B975B84DF16F0C630FF079E750DADD03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3DD52570A928FC182C4C615B5AEC63EFB	1A404FB498FC8D525DEEAC47299CABA3D4A716D94AD55DFAFCF7B6576AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC68A2F902E21DDCEEDDAAAFB2570F2D067	BA4B5FB3FD54BE90EBBAC6AEBF512D2FC490B1D6397BC4E779F2ED3D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8E4A530A57DE316812EBFCB1C16C0D760	E5AB9FA5362A0F0137C84541B4F6829087307329BE3C05F8BC4A2811159B7BFF	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F5967C36559221E343DBC8C862D3BBC34684	007B5E81298733CB0FF0EA8D2FBAE9BC554A05EC39576E0D0F2EABDA3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A7CC81C8E2114AD921F8A30239A3880F8	760F03A6A7F99BA47E42DF456B0E3ED2D8DF9918115797396CE83E95040AF547	GDCA TrustAUTH E5 ROOT
CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF8554B5BC7485FCBAB3C583CED9F5BF8B	77AE39E8D124F6BC747C74FA8DA2AE089358C4930566ED7369144672D74C6471	GDCA TLS ROOT R52
CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	20E9D874315D922D5593310D8997A43B3F17C041	6C12CD824190D6ADD67E258F74FC7DFAE4A4A37151BBFE1B50D9FBCED296E720	GDCA TLS ROOT R52

CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	73BB9BD3D57E6455A03EBBF87F5320D8EBF21D17	998C68E2C65106EBBF9AD6F39CC4478B9A23D5D71EECAB51A643067E49E0A285	GDCA TLS ROOT R52
CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	29312D4F17B4E721ACAB9DA71AFE439EA80B3080	AC54B851E7383961B1D64935BA59DA920B3DB7EE5734B22250184FA95C08C15A	GDCA TLS ROOT R52
CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	069953CDEE29468A9548584F43635AEE0AF13904	D50FDF57D3CEC20EE91256A4A6DA768C36A510DFE5771F23EF4B1833290BF012	GDCA TLS ROOT E52
CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	175CF6CE6D73FA044C3F7E74EB71838C0033BB84	9194B7C0D00571592962AE4F6F1302837362FE09B03898EBFCCDB845E6F861E8	GDCA TLS ROOT E52
CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	9ED918C1C15E3D68EDED2F57046E3DE2BBD1959A	BD488893767ABBF139ED3676840EA5CD4544171DDBEF3C67B6AD4E9A3BA45AA7	GDCA TLS ROOT E52
CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	A353DDE718C8E3BBA047EBD57395ABC079F2D4DA	0E11404171289F7214FD9F817E01D71702394BBB57EF678F9AC6881022816235	GDCA TLS ROOT E52

附件二

范围内适用之CP/CPS版本:

Name	Version	Release Date
GDCA CPS	6.2	28 February 2025
GDCA CPS	6.1	15 April 2024
GDCA CPS	6.0	31 August 2023
GDCA EV CPS	3.0	28 February 2025
GDCA EV CPS	2.9	15 April 2024
GDCA EV CPS	2.8	8 May 2023
GDCA CP	3.3	28 February 2025
GDCA CP	3.2	15 April 2024
GDCA CP	3.1	31 August 2023
GDCA EV CP	2.9	28 February 2025
GDCA EV CP	2.8	15 April 2024
GDCA EV CP	2.7	8 May 2023

附件三

范围内地点:

地点	功能
中国广州市	管理与支持
中国广东佛山(西)	数据中心
中国广东佛山(东)	数据中心