

INDEPENDENT ASSURANCE REPORT

To the management of TrustAsia Technologies, Inc. ("TrustAsia"):

We have been engaged, in a reasonable assurance engagement, to report on TrustAsia management's assertion that for its Certification Authority ("CA") operations at locations as enumerated in Appendix C, throughout the period 1 August 2023 to 31 July 2024 for its CAs as enumerated in Appendix A, TrustAsia has:

- disclosed its Extended Validation SSL ("EV 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 EV SSL certificates in conformity with the CA/Browser Forum Guidelines on the TrustAsia website, and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
 - EV SSL certificate subscriber information is properly authenticated (for the registration activities performed by TrustAsia)

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#).

Certification authority's responsibilities

TrustAsia'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 – Extended Validation SSL, v1.8](#).

After the planned new site within the same city as the main datacenter went into operations during the audit period, TrustAsia had relocated its system resources for production operations from the original data center at Shanghai (East) to the new site at Shanghai (West) and transported all key materials from the original main site to the new site as the new secure location hosting the key materials within the scope. Corresponding controls had been examined for existence and effectiveness physically on site before the new site went into operations and migration conducted for readiness and compliance.

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 TrustAsia's EV SSL certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of EV SSL certificates;
- (2) selectively testing transactions executed in accordance with disclosed EV 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 TrustAsia 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, TrustAsia's ability to meet the aforementioned criteria may 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 August 2023 to 31 July 2024, TrustAsia 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 – Extended Validation SSL, v1.8](#).

This report does not include any representation as to the quality of TrustAsia's services beyond those covered by the [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#), nor the suitability of any of TrustAsia's services for any customer's intended purpose.

Use of the WebTrust seal

TrustAsia's use of the WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL 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.



Anthony Kam & Associates Ltd.

Certified Public Accountants

2105 Wing On Ctr, 111 Connaught Road, HK SAR, China

14 Oct 2024

KAM Hau Choi Anthony

Practising Certificate Number P02558

Appendix A

The list of keys and certificates covered in the report is as follow:

Subject DN	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = TrustAsia Global Root CA G1 O = TrustAsia Technologies, Inc. C = CN	Root Key	Sha256RSA	4096 bits	24C20F2CCDC 0B5154F6B6D D4F2F058FE1 443DFF4	05F82DE4B4 A9ED4B7CD1 F3ACE9B73B D6DB69D878 16DD384719 5CF737ED29 51E7	TrustAsia Global Root CA G1
CN = TrustAsia DV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	BF3FDED0466 D4A50CFE2FB E20B854834C 1AFB825	322C1AFDCC 9827AC4D23 4780082A98 6203494199 8AFF67E6D7 7BC4C560DB 25B4	TrustAsia Global Root CA G1
CN = TrustAsia OV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	EFD7A5E0375 A8E6A5D60CF BBDDFE80F23 83985EA	624FD02328 D23289573E BA7D184525 8D70E15BC2 81E7DA38DC E06A5712B2 54A1	TrustAsia Global Root CA G1
CN = TrustAsia EV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	9C95683DD43 AC03DD2BA2B AC315C4CAD5 3BC90CD	853B06C42E 26160305CC 3DD5B1F7F7 DC6BAC5602 C0F444F08D 45A7DEE1F4 7CF8	TrustAsia Global Root CA G1
CN = TrustAsia Global Root CA G2 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	4FEB2996F4F 142DE5AA207 56B2FF59C28 53EC398	1DF7E8B185C A46578D458D 05129854FDE 32EF1E9B36F 0B96963CE38 CAEABE4BC	TrustAsia Global Root CA G2
CN = TrustAsia DV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	C12D72D0E89 25B196052C0 DCEE6A734D2 1191706	C3D06E52712 33ED46A538C 150FDCDCD73 F88AECEF624 B8D16F981C1 3742E924D	TrustAsia Global Root CA G2
CN = TrustAsia OV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	F3118C08803 CE2E7D69301 9F7D422BAC7 B4DE39F	5655EAAF713 3936558CADD E8F3447615F 759C9C63BEE 949D4DC3CD7 FB71FCBED	TrustAsia Global Root CA G2

CN = TrustAsia EV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	1C72953489D 756FE3D84BD AD33B51C1DD 9472536	2126C130F1D 576FB70CF3B 8E8C0EA2FEE 8CFE98D7213 04EAAA6D898 E721029CE	TrustAsia Global Root CA G2
CN = TrustAsia Global Root CA G3 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	40E4E4F223E F38CAB0AE57 7FF22130163 4DBBC92	E0D3226AEB 1163C2E48F F9BE3B50B4 C6431BE7BB 1EACC5C36B 5D5EC50903 9A08	TrustAsia Global Root CA G3
CN = TrustAsia DV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	FFD38BE629C 8A6994DE519 6BF8FFAF394 19D7ED6	E0DD6743D6 D08E2AB188 84ED1E7E46 B3D9726FFF A9B1866642 AEBF266FDA 2654	TrustAsia Global Root CA G3
CN = TrustAsia OV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22AADBB42F7 F3C183F717E CD61FD4ECE4 656EF54	573F5F7974 82F567EDC7 901879457B C46C9DF0AC FD8CE7B1A8 FB7E2218FA 477B	TrustAsia Global Root CA G3
CN = TrustAsia EV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22C292A6316 3AC13C7176A 4F313B25727 37CD26A	15DDF98C57 E0F46E5C5E E00283BC4A F8FE0E8D2C 42151630DE FFFA285EA6 2D09	TrustAsia Global Root CA G3
CN = TrustAsia Global Root CA G4 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	A5BB4A97CEB 32B7FA431DE 97835983A66 F71CBDE	BE4B56CB505 6C0136A526D F444508DA3 6A0B54F42E4 AC38F72AF47 0E479654C	TrustAsia Global Root CA G4
CN = TrustAsia DV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	0C09D741BDF 04CB767E4B0 56BF7E8DB91 433322F	C28348740DA 36CF14DDC49 280CF030AB9 CE3B0ACE093 B0E1BA18945 6F4918B9C	TrustAsia Global Root CA G4
CN = TrustAsia OV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	76533221F36 F769D585329 33BEF548B9E 2284FEF	EEE6BAF50B1 4BCA04202B4 96737E676F7 13E7431FFD4 FCA1309F661 481EC520F	TrustAsia Global Root CA G4

CN = TrustAsia EV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	EF46439CE9F 4121DF11A18 1968571D84B AAF7D19	C261EE3D4BB DC456FFB678 68363FED80C B5C9AD7AF3F 5A5DACBE32B ECDD88A7	TrustAsia Global Root CA G4
CN = TrustAsia TLS RSA Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	B80791795C0 6F446FD7B59 CA5A2691A74 52BF853	06C08D7DAFD 876971EB112 4FE67F847EC 0C7A158D3EA 53CBE940E2E A9791F4C3	TrustAsia TLS RSA Root CA
CN = TrustAsia EV TLS RSA CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	5B1A314630D C3325DD9825 8EEF84D189C A4BB826	D886C235FAF ADD2E473492 4CF58B4D8F0 CB7065F0F54 51B3E1C308F 92EF7B2EB	TrustAsia TLS RSA Root CA
CN = TrustAsia TLS ECC Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	2C8553BBB14 3CD32EA9EA3 87FEA298A8A 693E910	C0076B9EF05 31FB1A656D6 7C4EBE97CD5 DBAA41EF445 98ACC248987 8C92D8711	TrustAsia TLS ECC Root CA
CN = TrustAsia EV TLS ECC CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	8E8ECB35F18 158AA202DCE C336168A101 13859C7	D19E1FCD8E1 2747D75B74A 28318EEFDD7 00F616E2B21 5701BBE804C 3CDDA027B	TrustAsia TLS ECC Root CA

Appendix B

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

Name	Version	Date
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	2.0	23 July 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.2	25 April 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.1	21 December 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.0	30 August 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.6.1	10 February 2023

Appendix C

Locations in-scope:

Location	Function
Shanghai (Central), China	Administration and Support
Shanghai (West), China	Datacenter Facility
Shanghai (East), China	Datacenter Facility

MANAGEMENT'S ASSERTION

TrustAsia Technologies, Inc. ("TrustAsia") operates the Certification Authority (CA) services known as CAs in Appendix A and provides Extended Validation SSL ("EV SSL") CA services.

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

TrustAsia management has assessed its disclosures of its EV SSL certificate life cycle management business practices and controls over its EV SSL CA services. Based on that assessment, in TrustAsia management's opinion, in providing its EV SSL CA services at locations as enumerated in Appendix C, throughout the period 1 August 2023 to 31 July 2024, TrustAsia has:

- disclosed its EV SSL certificate lifecycle management business practices in its Certification Practice Statement (CPS) and Certificate Policy (CP) as enumerated in Appendix B, including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on the TrustAsia website, and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
 - EV SSL subscriber information is properly authenticated

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL – Version 1.8](#).

After the planned new site within the same city as the main datacenter went into operations during the audit period, TrustAsia had relocated its system resources for production operations from the original data center at Shanghai (East) to the new site at Shanghai (West) and transported all key materials from the original main site to the new site as the new secure location hosting the key materials within the scope. Corresponding controls had been examined for existence and effectiveness physically on site before the new site went into operations and migration conducted for readiness and compliance.

Mr. Xinyuan Zhai

CEO of TrustAsia Technologies, Inc.
32/ F, Building B, No.391, Guiping Road, Xuhui District, Shanghai, China

14 October 2024

Appendix A

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

Subject DN	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = TrustAsia Global Root CA G1 O = TrustAsia Technologies, Inc. C = CN	Root Key	Sha256RSA	4096 bits	24C20F2CCDC 0B5154F6B6D D4F2F058FE1 443DFF4	05F82DE4B4 A9ED4B7CD1 F3ACE9B73B D6DB69D878 16DD384719 5CF737ED29 51E7	TrustAsia Global Root CA G1
CN = TrustAsia DV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	BF3FDED0466 D4A50CFE2FB E20B854834C 1AFB825	322C1AFDCC 9827AC4D23 4780082A98 6203494199 8AFF67E6D7 7BC4C560DB 25B4	TrustAsia Global Root CA G1
CN = TrustAsia OV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	EFD7A5E0375 A8E6A5D60CF BBDDFE80F23 83985EA	624FD02328 D23289573E BA7D184525 8D70E15BC2 81E7DA38DC E06A5712B2 54A1	TrustAsia Global Root CA G1
CN = TrustAsia EV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	9C95683DD43 AC03DD2BA2B AC315C4CAD5 3BC90CD	853B06C42E 26160305CC 3DD5B1F7F7 DC6BAC5602 C0F444F08D 45A7DEE1F4 7CF8	TrustAsia Global Root CA G1
CN = TrustAsia Global Root CA G2 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	4FEB2996F4F 142DE5AA207 56B2FF59C28 53EC398	1DF7E8B185C A46578D458D 05129854FDE 32EF1E9B36F 0B96963CE38 CAEABE4BC	TrustAsia Global Root CA G2
CN = TrustAsia DV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	C12D72D0E89 25B196052C0 DCEE6A734D2 1191706	C3D06E52712 33ED46A538C 150FDCDCD73 F88AECECF624 B8D16F981C1 3742E924D	TrustAsia Global Root CA G2
CN = TrustAsia OV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	F3118C08803 CE2E7D69301 9F7D422BAC7 B4DE39F	5655EAAF713 3936558CADD E8F3447615F 759C9C63BEE 949D4DC3CD7 FB71FCBED	TrustAsia Global Root CA G2
CN = TrustAsia EV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	1C72953489D 756FE3D84BD AD33B51C1DD 9472536	2126C130F1D 576FB70CF3B 8E8C0EA2FEE 8CFE98D7213 04EAAA6D898 E721029CE	TrustAsia Global Root CA G2

CN = TrustAsia Global Root CA G3 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	40E4E4F223E F38CAB0AE57 7FF22130163 4DBBC92	E0D3226AEB 1163C2E48F F9BE3B50B4 C6431BE7BB 1EACC5C36B 5D5EC50903 9A08	TrustAsia Global Root CA G3
CN = TrustAsia DV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	FFD38BE629C 8A6994DE519 6BF8FFAF394 19D7ED6	E0DD6743D6 D08E2AB188 84ED1E7E46 B3D9726FFF A9B1866642 AEBF266FDA 2654	TrustAsia Global Root CA G3
CN = TrustAsia OV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22AADBB42F7 F3C183F717E CD61FD4ECE4 656EF54	573F5F7974 82F567EDC7 901879457B C46C9DF0AC FD8CE7B1A8 FB7E2218FA 477B	TrustAsia Global Root CA G3
CN = TrustAsia EV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22C292A6316 3AC13C7176A 4F313B25727 37CD26A	15DDF98C57 E0F46E5C5E E00283BC4A F8FE0E8D2C 42151630DE FFFA285EA6 2D09	TrustAsia Global Root CA G3
CN = TrustAsia Global Root CA G4 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	A5BB4A97CEB 32B7FA431DE 97835983A66 F71CBDE	BE4B56CB505 6C0136A526D F444508DAA3 6A0B54F42E4 AC38F72AF47 0E479654C	TrustAsia Global Root CA G4
CN = TrustAsia DV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	0C09D741BDF 04CB767E4B0 56BF7E8DB91 433322F	C28348740DA 36CF14DDC49 280CF030AB9 CE3B0ACE093 B0E1BA18945 6F4918B9C	TrustAsia Global Root CA G4
CN = TrustAsia OV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	76533221F36 F769D585329 33BEF548B9E 2284FEF	EEE6BAF50B1 4BCA04202B4 96737E676F7 13E7431FFD4 FCA1309F661 481EC520F	TrustAsia Global Root CA G4
CN = TrustAsia EV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	EF46439CE9F 4121DF11A18 1968571D84B AAF7D19	C261EE3D4BB DC456FFB678 68363FED80C B5C9AD7AF3F 5A5DACBE32B ECDDD88A7	TrustAsia Global Root CA G4
CN = TrustAsia TLS RSA Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	B80791795C0 6F446FD7B59 CA5A2691A74 52BF853	06C08D7DAFD 876971EB112 4FE67F847EC 0C7A158D3EA 53CBE940E2E A9791F4C3	TrustAsia TLS RSA Root CA

CN = TrustAsia EV TLS RSA CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	5B1A314630D C3325DD9825 8EEF84D189C A4BB826	D886C235FAF ADD2E473492 4CF58B4D8F0 CB7065F0F54 51B3E1C308F 92EF7B2EB	TrustAsia TLS RSA Root CA
CN = TrustAsia TLS ECC Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	2C8553BBB14 3CD32EA9EA3 87FEA298A8A 693E910	C0076B9EF05 31FB1A656D6 7C4EBE97CD5 DBAA41EF445 98ACC248987 8C92D8711	TrustAsia TLS ECC Root CA
CN = TrustAsia EV TLS ECC CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	8E8ECB35F18 158AA202DCE C336168A101 13859C7	D19E1FCD8E1 2747D75B74A 28318EEFDD7 00F616E2B21 5701BBE804C 3CDDA027B	TrustAsia TLS ECC Root CA

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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：亚数信息科技（上海）有限公司管理阶层

我们接受委托，对附件表 A 所列的亚数信息科技（上海）有限公司（TrustAsia Technologies, Inc.，简称“TrustAsia”）于 2023 年 8 月 1 日至 2024 年 7 月 31 日期间于附件表 C 所列地点运营的电子认证（“CA”）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，TrustAsia 已：

- 于附件表 B 的 CP/CPS 中披露了 EV 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 EV 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 EV SSL 证书在生命周期中的完整性；以及
 - 于 TrustAsia 所执行的注册操作恰当地鉴定 EV SSL 证书申请者的信息

以符合 [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#)。

于本审计週期，在与主数据中心位于同一城市的新数据中心投入运营后，TrustAsia 已将生产运营的系统资源从原上海（东）数据中心迁移至此上海（西）新数据中心，并将所有密钥材料从原主数据中心运送至新数据中心，以作为审计范围内密钥材料的新安全位置。新数据中心投入运营并进行了迁移前，相应控制措施的存在和有效性已进行了现场检查，以确保准备就绪与合规性。

TrustAsia 的责任

TrustAsia 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 TrustAsia 所提供的服务能够符合 [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#) 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。

我们公司遵循国际标准要求的品质管理标准（ISQM）1，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 TrustAsia 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 TrustAsia EV SSL 证书生命周期管理，包括 EV SSL 证书发放、更新和吊销；
- (2) 选择测试业务操作是否遵守了所披露的 EV 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

TrustAsia 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，TrustAsia 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。

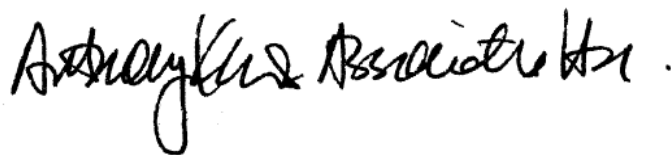
结论

我们认为，TrustAsia 于 2023 年 8 月 1 日至 2024 年 7 月 31 日期间的电子认证服务的管理层认定在所有重大方面符合 [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#)。

本报告并不包括任何 [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL, v1.8](#) 以外的质量标准声明，或对任何客户对 TrustAsia 服务的合适性声明。

对 Webtrust 标识的使用

在 TrustAsia 网站上的 WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL 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。



Anthony Kam & Associates Ltd.

Certified Public Accountants

2105 Wing On Ctr, 111 Connaught Road, HK SAR, China

14 Oct 2024

KAM Hau Choi Anthony

Practising Certificate Number P02558

附件表 A

本鉴证报告内包括的密钥与证书列举如下:

Subject DN	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = TrustAsia Global Root CA G1 O = TrustAsia Technologies, Inc. C = CN	Root Key	Sha256RSA	4096 bits	24C20F2CCDC 0B5154F6B6D D4F2F058FE1 443DFF4	05F82DE4B4 A9ED4B7CD1 F3ACE9B73B D6DB69D878 16DD384719 5CF737ED29 51E7	TrustAsia Global Root CA G1
CN = TrustAsia DV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	BF3FDED0466 D4A50CFE2FB E20B854834C 1AFB825	322C1AFDCC 9827AC4D23 4780082A98 6203494199 8AFF67E6D7 7BC4C560DB 25B4	TrustAsia Global Root CA G1
CN = TrustAsia OV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	EFD7A5E0375 A8E6A5D60CF BBDDFE80F23 83985EA	624FD02328 D23289573E BA7D184525 8D70E15BC2 81E7DA38DC E06A5712B2 54A1	TrustAsia Global Root CA G1
CN = TrustAsia EV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	9C95683DD43 AC03DD2BA2B AC315C4CAD5 3BC90CD	853B06C42E 26160305CC 3DD5B1F7F7 DC6BAC5602 C0F444F08D 45A7DEE1F4 7CF8	TrustAsia Global Root CA G1
CN = TrustAsia Global Root CA G2 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	4FEB2996F4F 142DE5AA207 56B2FF59C28 53EC398	1DF7E8B185C A46578D458D 05129854FDE 32EF1E9B36F 0B96963CE38 CAEABE4BC	TrustAsia Global Root CA G2
CN = TrustAsia DV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	C12D72D0E89 25B196052C0 DCEE6A734D2 1191706	C3D06E52712 33ED46A538C 150FDCDCD73 F88AECEFF624 B8D16F981C1 3742E924D	TrustAsia Global Root CA G2
CN = TrustAsia OV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	F3118C08803 CE2E7D69301 9F7D422BAC7 B4DE39F	5655EAAF713 3936558CADD E8F3447615F 759C9C63BEE 949D4DC3CD7 FB71FCBED	TrustAsia Global Root CA G2

CN = TrustAsia EV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	1C72953489D 756FE3D84BD AD33B51C1DD 9472536	2126C130F1D 576FB70CF3B 8E8C0EA2FEE 8CFE98D7213 04EAAA6D898 E721029CE	TrustAsia Global Root CA G2
CN = TrustAsia Global Root CA G3 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	40E4E4F223E F38CAB0AE57 7FF22130163 4DBBC92	E0D3226AEB 1163C2E48F F9BE3B50B4 C6431BE7BB 1EACC5C36B 5D5EC50903 9A08	TrustAsia Global Root CA G3
CN = TrustAsia DV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	FFD38BE629C 8A6994DE519 6BF8FFAF394 19D7ED6	E0DD6743D6 D08E2AB188 84ED1E7E46 B3D9726FFF A9B1866642 AEBF266FDA 2654	TrustAsia Global Root CA G3
CN = TrustAsia OV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22AADBB42F7 F3C183F717E CD61FD4ECE4 656EF54	573F5F7974 82F567EDC7 901879457B C46C9DF0AC FD8CE7B1A8 FB7E2218FA 477B	TrustAsia Global Root CA G3
CN = TrustAsia EV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22C292A6316 3AC13C7176A 4F313B25727 37CD26A	15DDF98C57 E0F46E5C5E E00283BC4A F8FE0E8D2C 42151630DE FFFA285EA6 2D09	TrustAsia Global Root CA G3
CN = TrustAsia Global Root CA G4 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	A5BB4A97CEB 32B7FA431DE 97835983A66 F71CBDE	BE4B56CB505 6C0136A526D F444508DA3 6A0B54F42E4 AC38F72AF47 0E479654C	TrustAsia Global Root CA G4
CN = TrustAsia DV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	0C09D741BDF 04CB767E4B0 56BF7E8DB91 433322F	C28348740DA 36CF14DDC49 280CF030AB9 CE3B0ACE093 B0E1BA18945 6F4918B9C	TrustAsia Global Root CA G4
CN = TrustAsia OV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	76533221F36 F769D585329 33BEF548B9E 2284FEF	EEE6BAF50B1 4BCA04202B4 96737E676F7 13E7431FFD4 FCA1309F661 481EC520F	TrustAsia Global Root CA G4

CN = TrustAsia EV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	EF46439CE9F 4121DF11A18 1968571D84B AAF7D19	C261EE3D4BB DC456FFB678 68363FED80C B5C9AD7AF3F 5A5DACBE32B ECDD88A7	TrustAsia Global Root CA G4
CN = TrustAsia TLS RSA Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	B80791795C0 6F446FD7B59 CA5A2691A74 52BF853	06C08D7DAFD 876971EB112 4FE67F847EC 0C7A158D3EA 53CBE940E2E A9791F4C3	TrustAsia TLS RSA Root CA
CN = TrustAsia EV TLS RSA CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	5B1A314630D C3325DD9825 8EEF84D189C A4BB826	D886C235FAF ADD2E473492 4CF58B4D8F0 CB7065F0F54 51B3E1C308F 92EF7B2EB	TrustAsia TLS RSA Root CA
CN = TrustAsia TLS ECC Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	2C8553BBB14 3CD32EA9EA3 87FEA298A8A 693E910	C0076B9EF05 31FB1A656D6 7C4EBE97CD5 DBAA41EF445 98ACC248987 8C92D8711	TrustAsia TLS ECC Root CA
CN = TrustAsia EV TLS ECC CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	8E8ECB35F18 158AA202DCE C336168A101 13859C7	D19E1FCD8E1 2747D75B74A 28318EEFDD7 00F616E2B21 5701BBE804C 3CDDA027B	TrustAsia TLS ECC Root CA

附件表 B

范围内适用之 CP/CPS 版本:

Name	Version	Date
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	2.0	23 July 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.2	25 April 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.1	21 December 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.0	30 August 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.6.1	10 February 2023

附件表 C

范围内地点:

地点	功能
中国上海(中)	管理与支持
中国上海(西)	数据中心
中国上海(东)	数据中心

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)

亚数信息科技 (上海) 有限公司 (以下简称 “ TrustAsia ”) 运营电子认证服务机构 (以下简称 “ CA ”) ，提供增强验证 SSL(以下简称 “ EV SSL ”) 电子认证服务，附件表 A 列举了服务所包括的根证书和中级证书。

TrustAsia 的管理阶层负责针对 EV SSL CA 服务建立并维护有效的控制，包括：EV SSL CA 业务规则披露、EV SSL CA 密钥生命周期管理和 EV SSL 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 TrustAsia 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。

TrustAsia 管理层已对所提供的电子认证服务的业务规则披露及 EV SSL CA 服务控制进行评估。基于此评估，TrustAsia 管理层认为，在 2023 年 8 月 1 日至 2024 年 7 月 31 日就 TrustAsia 在附件表 C 所列地点提供 EV SSL CA 服务期间，TrustAsia 具备：

- 在附件表 B 之 CP/CPS 中披露了 EV 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 EV 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订户 EV SSL 证书在生命周期中的完整性；以及
 - 于 TrustAsia 所执行的注册操作恰当地鉴定 EV SSL 证书申请者的信息

以符合 [WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL v1.8](#)。

于本审计週期，在与主数据中心位于同一城市的新数据中心投入运营后，TrustAsia 已将生产运营的系统资源从原上海 (东) 数据中心迁移至此上海 (西) 新数据中心，并将所有密钥材料从原主数据中心运送至新数据中心，以作为审计范围内密钥材料的新安全位置。新数据中心投入运营并进行了迁移前，相应控制措施的存在和有效性已进行了现场检查，以确保准备就绪与合规性。

总经理 翟新元

亚数信息科技 (上海) 有限公司
上海市徐汇区桂平路 391 号 B 座 32 层

2024 年 10 月 14 日



附件表 A

本认定报告内包括的密钥与证书列举如下：

Subject DN	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = TrustAsia Global Root CA G1 O = TrustAsia Technologies, Inc. C = CN	Root Key	Sha256RSA	4096 bits	24C20F2CCDC 0B5154F6B6D D4F2F058FE1 443DFF4	05F82DE4B4 A9ED4B7CD1 F3ACE9B73B D6DB69D878 16DD384719 5CF737ED29 51E7	TrustAsia Global Root CA G1
CN = TrustAsia DV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	BF3FDED0466 D4A50CFE2FB E20B854834C 1AFB825	322C1AFDCC 9827AC4D23 4780082A98 6203494199 8AFF67E6D7 7BC4C560DB 25B4	TrustAsia Global Root CA G1
CN = TrustAsia OV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	EFD7A5E0375 A8E6A5D60CF BDDDFE80F23 83985EA	624FD02328 D23289573E BA7D184525 8D70E15BC2 81E7DA38DC E06A5712B2 54A1	TrustAsia Global Root CA G1
CN = TrustAsia EV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	9C95683DD43 AC03DD2BA2B AC315C4CAD5 3BC90CD	853B06C42E 26160305CC 3DD5B1F7F7 DC6BAC5602 C0F444F08D 45A7DEE1F4 7CF8	TrustAsia Global Root CA G1
CN = TrustAsia Global Root CA G2 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	4FEB2996F4F 142DE5AA207 56B2FF59C28 53EC398	1DF7E8B185C A46578D458D 05129854FDE 32EF1E9B36F 0B96963CE38 CAEABE4BC	TrustAsia Global Root CA G2
CN = TrustAsia DV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	C12D72D0E89 25B196052C0 DCEE6A734D2 1191706	C3D06E52712 33ED46A538C 150FDCDCD73 F88AECF624 B8D16F981C1 3742E924D	TrustAsia Global Root CA G2
CN = TrustAsia OV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	F3118C08803 CE2E7D69301 9F7D422BAC7 B4DE39F	5655EAAF713 3936558CADD E8F3447615F 759C9C63BEE 949D4DC3CD7 FB71FCBED	TrustAsia Global Root CA G2
CN = TrustAsia EV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	1C72953489D 756FE3D84BD AD33B51C1DD 9472536	2126C130F1D 576FB70CF3B 8E8C0EA2FEE 8CFE98D7213 04EAAA6D898 E721029CE	TrustAsia Global Root CA G2

CN = TrustAsia Global Root CA G3 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	40E4E4F223E F38CAB0AE57 7FF22130163 4DBBC92	E0D3226AEB 1163C2E48F F9BE3B50B4 C6431BE7BB 1EACC5C36B 5D5EC50903 9A08	TrustAsia Global Root CA G3
CN = TrustAsia DV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	FFD38BE629C 8A6994DE519 6BF8FFAF394 19D7ED6	E0DD6743D6 D08E2AB188 84ED1E7E46 B3D9726FFF A9B1866642 AEBF266FDA 2654	TrustAsia Global Root CA G3
CN = TrustAsia OV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22AADBB42F7 F3C183F717E CD61FD4ECE4 656EF54	573F5F7974 82F567EDC7 901879457B C46C9DF0AC FD8CE7B1A8 FB7E2218FA 477B	TrustAsia Global Root CA G3
CN = TrustAsia EV TLS RSA CA G3 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	22C292A6316 3AC13C7176A 4F313B25727 37CD26A	15DDF98C57 E0F46E5C5E E00283BC4A F8FE0E8D2C 42151630DE FFFA285EA6 2D09	TrustAsia Global Root CA G3
CN = TrustAsia Global Root CA G4 O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	A5BB4A97CEB 32B7FA431DE 97835983A66 F71CBDE	BE4B56CB505 6C0136A526D F444508DAA3 6A0B54F42E4 AC38F72AF47 0E479654C	TrustAsia Global Root CA G4
CN = TrustAsia DV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	0C09D741BDF 04CB767E4B0 56BF7E8DB91 433322F	C28348740DA 36CF14DDC49 280CF030AB9 CE3B0ACE093 B0E1BA18945 6F4918B9C	TrustAsia Global Root CA G4
CN = TrustAsia OV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	76533221F36 F769D585329 33BEF548B9E 2284FEF	EEE6BAF50B1 4BCA04202B4 96737E676F7 13E7431FFD4 FCA1309F661 481EC520F	TrustAsia Global Root CA G4
CN = TrustAsia EV TLS ECC CA G4 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	EF46439CE9F 4121DF11A18 1968571D84B AAF7D19	C261EE3D4BB DC456FFB678 68363FED80C B5C9AD7AF3F 5A5DACBE32B ECDDD88A7	TrustAsia Global Root CA G4
CN = TrustAsia TLS RSA Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384RSA	4096 bits	B80791795C0 6F446FD7B59 CA5A2691A74 52BF853	06C08D7DAFD 876971EB112 4FE67F847EC 0C7A158D3EA 53CBE940E2E A9791F4C3	TrustAsia TLS RSA Root CA

CN = TrustAsia EV TLS RSA CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384RSA	4096 bits	5B1A314630D C3325DD9825 8EEF84D189C A4BB826	D886C235FAF ADD2E473492 4CF58B4D8F0 CB7065F0F54 51B3E1C308F 92EF7B2EB	TrustAsia TLS RSA Root CA
CN = TrustAsia TLS ECC Root CA O = TrustAsia Technologies, Inc. C = CN	Root Key	sha384ECDSA	384 bits	2C8553BBB14 3CD32EA9EA3 87FEA298A8A 693E910	C0076B9EF05 31FB1A656D6 7C4EBE97CD5 DBAA41EF445 98ACC248987 8C92D8711	TrustAsia TLS ECC Root CA
CN = TrustAsia EV TLS ECC CA 2024 V2 O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	8E8ECB35F18 158AA202DCE C336168A101 13859C7	D19E1FCD8E1 2747D75B74A 28318EEFDD7 00F616E2B21 5701BBE804C 3CDDA027B	TrustAsia TLS ECC Root CA

附件表 B

范围内适用之 CP/CPS 版本:

Name	Version	Date
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	2.0	23 July 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.2	25 April 2024
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.7.1	21 December 2023
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TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.6.1	10 February 2023

附件表 C

范围内地点:

地点	功能
中国上海(中)	管理与支持
中国上海(西)	数据中心
中国上海(东)	数据中心