

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 2022 to 31 July 2023 for its CAs as enumerated in Appendix A, TrustAsia 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 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 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

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

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.6](#).

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 – SSL Baseline with Network Security v2.6](#).

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 Control 1, 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 SSL certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of SSL certificates, and obtaining an understanding of TrustAsia'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 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 2022 to 31 July 2023, 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 – SSL Baseline with Network Security v2.6](#).

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 – SSL Baseline with Network Security v2.6](#), nor the suitability of any of TrustAsia's services for any customer's intended purpose.

AKAM

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& associates ltd
certified public accountants
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Use of the WebTrust seal

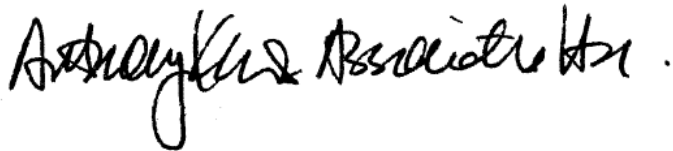
TrustAsia's use of the WebTrust for Certification Authorities – SSL Baseline with Network Security Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

AKAM

Anthony Kam & Associates Ltd.

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

18 October 2023



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 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 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 DV TLS RSA CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	Sha256RSA	4096 bits	BF3FDEED0466 D4A50CFE2FB E20B854834C 1AFB825	322C1AFDCC 9827AC4D23 4780082A98 6203494199 8AFF67E6D7 7BC4C560DB 25B4	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 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 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 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 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

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	1.6.1	10 February 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.6	15 December 2022
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.5	24 May 2022

Appendix C

Locations in-scope:

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

MANAGEMENT'S ASSERTION

TrustAsia Technologies, Inc. ("TrustAsia") operates the Certification Authority (CA) services known as CAs in Appendix A.

TrustAsia management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in TrustAsia management's opinion, in providing its CA services at locations as enumerated in Appendix C, throughout the period 1 August 2022 to 31 July 2023, TrustAsia 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 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 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 authorised individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorised and performed to maintain CA systems integrity
- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.6](#).

Mr. Xinyuan Zhai _____



CEO of TrustAsia Technologies, Inc.

32/ F, Building B, No.391, Guiping Road, Xuhui District, Shanghai, China

18 October 2023

Appendix A

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

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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
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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 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 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 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 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 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
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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

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Appendix C

Locations in-scope:

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Shanghai (West), China	Administration and Support

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

我们接受委托，对附表 A 所列的亚数信息科技 (上海) 有限公司 (TrustAsia Technologies, Inc.，简称“TrustAsia”) 于 2022 年 8 月 1 日至 2023 年 7 月 31 日期间于附表 C 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，TrustAsia 已：

- 于 CP/CPS 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 TrustAsia 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
- 通过有效控制机制提供合理保证符合 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 with Network Security v2.6](#)。

TrustAsia 的责任

TrustAsia 的管理层负责确保管理阶层认定，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 – SSL Baseline with Network Security v2.6](#) 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质量控制 1 (International Standard on Quality Control 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 SSL 证书生命周期管理，包括 SSL 证书发放、更新和吊销，并了解 TrustAsia 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

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 2022 年 8 月 1 日至 2023 年 7 月 31 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 with Network Security v2.6](#)。

AKAM

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本报告并不包括任何在 [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.6](#) 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

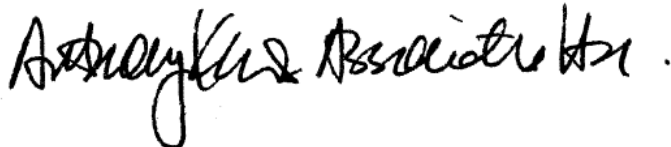
在 TrustAsia 网站上的 WebTrust SSL BR 电子认证标识是本报告内容的一种符号表示，它并不是为了也不应被认为是对本报告的更新或任何进一步的保证。

AKAM

Anthony Kam & Associates Ltd.

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

18 October 2023



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 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 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 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 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 EV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	1C72953489D 756FE3D84BD AD33B51C1DD 9472536	2126C130F1D 576FB70CF3B 8E8C0EA2FEE 8CFE98D7213 04EAA6D898 E721029CE	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 DV TLS ECC CA O = TrustAsia Technologies, Inc. C = CN	Signing Key	sha384ECDSA	384 bits	C12D72D0E89 25B196052C0 DCEE6A734D2 1191706	C3D06E52712 33ED46A538C 150FDCDCD73 F88AECCEF624 B8D16F981C1 3742E924D	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 4DBEC92	E0D3226AEB 1163C2E48F F9BE3B50B4 C6431BE7BB 1EACCS36B 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	22AADB42F7 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 04CE767E4B0 56BF7E8DB91 433322F	C28348740DA 36CF14DDC49 280CF030AB9 CE3B0ACE093 E0E1BA18945 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 ECDDDD88A7	TrustAsia Global Root CA G4

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	1.6.1	10 February 2023
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.6	15 December 2022
TrustAsia Certificate Policy and Certification Practice Statement for Global Trusted Service	1.5	24 May 2022

附件表 C

范围内地点:

地点	功能
中国上海(东)	数据中心
中国上海(西)	管理与支持

TrustAsia 电子认证服务的管理阶层认定报告

(本中文报告仅作参考，正文请参阅英文报告)

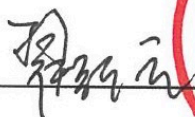
亚数信息科技(上海)有限公司(以下简称“TrustAsia”)运营电子认证服务机构(以下简称“CA”，附件表 A 列举了 CA 所包括的根证书和中级证书)，并提供电子认证服务。

TrustAsia 管理层已对所提供的电子认证服务的业务规则披露及控制进行评估。基于此评估，TrustAsia 管理层认为，在 2022 年 8 月 1 日至 2023 年 7 月 31 日就 TrustAsia 在附录 C 所列地点提供电子认证服务期间，TrustAsia 已：

- 在附件表 B 之 CP/CPS 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订户 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 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 论坛发布的网络及证书系统安全规范

以符合 [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.6](#)。

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

2023 年 10 月 18 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 0B5154F6B6B D4F2F058FE1 443DFF4	05F82DE4B4 A9ED4B7CD1 F3ACE9B73B D6DB69D878 16DD384719 5CF737ED29 51E7	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 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 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 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 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 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 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

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

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附件表 C

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中国上海(西)	管理与支持