Shape the future with confidence

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INDEPENDENT ASSURANCE REPORT

To the management of Asseco Data Systems S.A. ("ADS"):

Scope

We have been engaged, in a reasonable assurance engagement, to report on *ADS - Management's Assertion 2026_NQ* that for its Certification Authority (CA) operations in Szczecin, Poland, and supporting facilities in Łódź, Poland, throughout the period February 11, 2025 to February 10, 2026 for its CAs as enumerated in Attachment A, ADS has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
  - Certification Practice Statement of Certum Certification Services, version 7.11 (15.01.2025 - 28.02.2025)
  - Certification Practice Statement of Certum Certification Services, version 7.12 (01.03.2025 - 30.06.2025)
  - Certification Practice Statement of Certum Certification Services, version 7.13 (01.07.2025 - 30.11.2025)
  - Certification Practice Statement of Certum Certification Services, version 8.0 (01.12.2025 - 18.12.2025)
  - Certification Practice Statement of Certum Certification Services, version 8.1 (19.12.2025 - 01.02.2026)
  - Certification Practice Statement of Certum Certification Services, version 8.2 (02.02.2026 - 31.03.2026); and
  - Certification Policy of Certum's Certification Services, version 5.1 (06.12.2024 - 30.11.2025)
  - Certification Policy of Certum's Certification Services, version 5.2 (Valid from 01.12.2025)

- maintained effective controls to provide reasonable assurance that:
  - ADS's Certification Practice Statement is consistent with its Certificate Policy; and
  - ADS provides its services in accordance with its Certificate Policy and Certification Practice Statement

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

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

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

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

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

Certification authority's responsibilities

ADS'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 v2.2.2.

Our independence and quality management

We have complied with the independence and other ethical requirements of the *Code of Ethics for Professional Accountants* issued by the International Ethics Standard 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*, which requires the firm to design, implement and operate a system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Practitioner'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 (Revised), *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 ADS's key and certificate lifecycle management business practices and its controls over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate lifecycle management operations and over development, maintenance and operation of systems integrity;
2) selectively testing transactions executed in accordance with disclosed key and certificate lifecycle management business practices;
3) testing and evaluating the operating effectiveness of the controls; and
4) performing such other procedures as we considered necessary in the circumstances.

As part of our engagement, we assessed the attached matters (Attachment B) that have been publicly posted by ADS management in the online forums of the Bugzilla site, as well as the online forums of individual internet browsers that comprise the CA/Browser Forum. We have considered the nature of these issues, their root causes, and CA's remediation plans in determining the nature, timing, and extent of our procedures.

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

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The relative effectiveness and significance of specific controls at ADS 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

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. For example, because of their nature, controls may not prevent, or detect unauthorized access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection to the future of any conclusion based on our findings is subject to the risk that controls may become ineffective.

Opinion

In our opinion, throughout the period February 11, 2025 to February 10, 2026, ADS 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 v2.2.2.

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

Emphasis of matter

We draw attention to Other matters paragraph in ADS - Management's Assertion 2026_NQ, which describes the fact that on April 3, 2026, Management of ADS issued Management's Assertion related to the Certification Authority services dated the same date. The subscriber key generation and management services were accidentally enlisted as services provided by ADS in the introductory part of the assertions. Management' Assertion dated April 24, 2026 replaces Management's Assertion related to the Certification Authority services dated April 3rd, 2026. This assurance report replaces our report dated April 3rd, 2026. Our opinion is not modified in respect of this matter.

Use of the WebTrust seal

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

Ernst & Young Audyt Polska sp. z o.o. sp.k.
Warsaw, Poland

Anna Wolak

Podpisane elektronicznie przez Anna Magdalena Wolak (Certyfikat kwalifikowany) w dniu 2026-04-27.

April 27, 2026

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ASSECO DATA SYSTEMS S.A. MANAGEMENT'S ASSERTION

Asseco Data Systems S.A. ("ADS") operates the Certification Authority (CA) services as enumerated in **Attachment A**, and provides the following CA services:

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subordinate CA [cross-]certification

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

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

ADS management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in ADS management's opinion, in providing its Certification Authority (CA) services in Szczecin, Poland, and supporting facilities in Łódź, Poland, throughout the period February 11, 2025 to February 10, 2026, ADS has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
    - Certification Practice Statement of Certum Certification Services, version 7.11 (15.01.2025 - 28.02.2025)
    - Certification Practice Statement of Certum Certification Services, version 7.12 (01.03.2025 - 30.06.2025)
    - Certification Practice Statement of Certum Certification Services, version 7.13 (01.07.2025 - 30.11.2025)
    - Certification Practice Statement of Certum Certification Services, version 8.0 (01.12.2025 - 18.12.2025)
    - Certification Practice Statement of Certum Certification Services, version 8.1 (19.12.2025 - 01.02.2026)
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- maintained effective controls to provide reasonable assurance that:
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  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
  - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
  - subscriber information is properly authenticated (for the registration activities performed by ADS); and
  - subordinate CA certificate requests are accurate, authenticated, and approved

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

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

CA Business Practices Disclosure

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

CA Business Practices Management

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

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- System Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Lifecycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival
- CA Key Destruction
- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management

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Subscriber Key Lifecycle Management Controls

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

Certificate Lifecycle Management Controls

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

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

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

Other matters

On April 3, 2026, we issued *Management's Assertion* related to the Certification Authority services dated the same date. The subscriber key generation and management services were accidentally enlisted as services provided by ADS in the introductory part of the assertions. This *Management' Assertion* replaces *Management's Assertion* related to the Certification Authority services dated April 3rd, 2026.

Management of Asseco Data Systems S.A.

Tomasz Litarowicz
24 kwietnia 2026

Andrzej Dopierała
24 kwietnia 2026

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April 24, 2026

Attachment A: List of CAs in Scope

Root CAs

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certum CA O = Unizeto Sp. z. o. o. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	010020	rsaEncryption	2048 bits	sha1RSA	2002-06-11	2027-06-11	9736AC3B25D16C45A45418A964578156480A8CC434541DDC5DD59233229868DE	D8E0FEBC1DB2E38D00940F37D27D41344D993E734B99D5656D9778D4D8143624	- standard - SSL - SSL EV - Code Signing - S/MIME
2	1	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	0444C0	rsaEncryption	2048 bits	sha1RSA	2008-10-22	2029-12-31	AA2630A7B617B04D0A294BAB7A8CAAA5016E6DBE604837A83A85719FAB667EB5	5C58468D55F58E497E743982D2B50010B6D165374ACF83A7D4A32DB768C4408E	- standard - SSL - SSL EV - Code Signing - S/MIME
3	1	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	21d6d04a4f250fc93237fcaa5e128de9	rsaEncryption	4096 bits	sha512RSA	2011-10-06	2046-10-06	6B3B57E9EC88D1BB3D01637FF33C7698B3C9758255E9F01EA9178F3E7F3B2B52	B676F2EDDAE8775CD36CB0F63CD1D4603961F49E6265BA013A2F0307B6D0B804	- standard - SSL - SSL EV - Code Signing - S/MIME
4	1	CN = Certum Elliptic Curve CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum Elliptic Curve CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	d2de593eaf11206e7905e74176f23db4	id-ec PublicKey	521 bits	sha512 ECDSA	2018-03-16	2043-03-16	5A9BB21B040E90D330ED4148F348C8F38F2084E4	7A5FBB25D8F4945FB9BB38AD0A203624CDA78CC89FE2E5A5349437BF4B3E9844	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
5	1	CN = Certum Trusted Root CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum Trusted Root CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	1ebf5950b8c980374c06f7eb554fb5ed	rsaEncryption	4096 bits	sha512WithRSA	2018-03-16	2043-03-16	8CFB1C75BC02D39F4E2E48D9F96054AAC4B34FFA	FE7696573855773E37A95E7AD4D9CC96C30157C15D31765BA9B15704E1AE78FD	- standard - SSL - SSL EV - Code Signing - S/MIME
6	1	CN = Certum EC-384 CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum EC-384 CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	788f275c81125220a504d02dddba73f4	id-ec PublicKey	384 bits	Sha384 ECDSA	2018-03-26	2043-03-26	8D06667424763AF389F7BCD6BD477D2FBC105F4B	6B328085625318AA50D173C98D8BDA09D57E27413D114CF787A0F5D06C030CF6	- standard - SSL - SSL EV - Code Signing - S/MIME
7	1	CN=Certum TLS RSA Root CA, C=PL,O=Asseco Data Systems S.A.,	CN=Certum TLS RSA Root CA, C=PL,O=Asseco Data Systems S.A.,	E7DD2138A2C94146FF5F12178995 0553	rsaEncryption	4096 bits	sha384WithRSAEncryption	2023-01-27	2048-01-26	EB34E400A1E67B7CD223F4CAD74EC0CB85671576	ED12A6E9289239D66CA1D244CE90C623AC305AD05602DA352BCFC5FEF2C4458D	- standard - SSL - SSL EV
8	1	CN=Certum TLS ECC Root CA C=PL,O=Asseco Data Systems S.A.,	CN=Certum TLS ECC Root CA C=PL,O=Asseco Data Systems S.A.,	B07EC0CB2E05E63C71DA0D7F997971F3	id-ec PublicKey	384 bits	ecdsa-with-SHA384	2023-01-27	2048-01-26	30BD170817FEB51086940D7863726C5867B9D0EA	630CCB83B0180A992495E039D2613C3287A8102F8A8D703DB1330A3E86D4E653	- standard - SSL - SSL EV
9	1	CN=Certum SMIME RSA Root CA C=PL,O=Asseco Data Systems S.A.,	CN=Certum SMIME RSA Root CA C=PL,O=Asseco Data Systems S.A.,	4212C0F546E05991DAD135455C2F8BC1	rsaEncryption	4096 bits	sha384WithRSAEncryption	2023-01-27	2048-01-26	3EDE0E9A077C0A645AB06C7B1DA8254AF48EAC78	08EF47A61F8D33B37B429FE3127B59F645E3BA4A82470F8380FFB21FDD3B2131	- standard - S/MIME
10	1	CN=Certum SMIME ECC Root CA C=PL,O=Asseco Data Systems S.A.,	CN=Certum SMIME ECC Root CA C=PL,O=Asseco Data Systems S.A.,	9AE84EF800165555FC27E5F0DB382D979	id-ec PublicKey	384 bits	ecdsa-with-SHA384	2023-01-27	2048-01-26	1B0FE091C0FDAD38279DA104A9F9E65ECA7162CE	0BA1591A23AFDE691EE7E9D4881B03E69A178AB6B5BD5FC2EE31E4BEC176C98B	- standard - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
11	1	CN=Certum Code Signing RSA Root CA C=PL,O=Asseco Data Systems S.A.,	CN=Certum Code Signing RSA Root CA C=PL,O=Asseco Data Systems S.A.,	546683BCC36947ADA75B95BC40804808	rsaEncryption	4096 bits	sha384WithRSAEncryption	2023-01-27	2048-01-26	A473B2C5E5CDC00AFB187ECA469B7B5511EC2911	69BE9FCC7AD9717775969D96FF836CBDA6D15876BF758E0B7CACCB1A1BFA3B53	- standard - Code Signing
12	1	CN=Certum Code Signing ECC Root CA , C=PL,O=Asseco Data Systems S.A.,	CN=Certum Code Signing ECC Root CA , C=PL,O=Asseco Data Systems S.A.,	F0B6BD4ACD3428BD28A9C15F2A60769E	id-ec PublicKey	384 bits	ecdsa-with-SHA384	2023-01-27	2048-01-26	6D24B724455F09F55E58EE184404BF23A1AD110D	A0E90EB2F7DD82993430BF1C4B8423473FD91D4BA494FAA5327900D9094288F1	- standard - Code Signing
13	1	CN=Certum Document Signing RSA Root CA , C=PL,O=Asseco Data Systems S.A.,	CN=Certum Document Signing RSA Root CA , C=PL,O=Asseco Data Systems S.A.,	4E234914946CD01BE30057994437 84FE	rsaEncryption	4096 bits	sha384WithRSAEncryption	2023-01-27	2048-01-26	14E8899066F247FB3021B437FAED1D2BEDF0BDBF	EE04DF77F179176B6B879E9D6B78C0E20C6BECA8379B0234735FA501CAD2F0BD	- standard
14	1	CN=Certum Document Signing ECC Root CA , C=PL,O=Asseco Data Systems S.A.,	CN=Certum Document Signing ECC Root CA , C=PL,O=Asseco Data Systems S.A.,	50DA94819C52390FC8C8D2F60585573C	id-ec PublicKey	384 bits	ecdsa-with-SHA384	2023-01-27	2048-01-26	31EC8AB24089B52C5650FCA4BE744ECE640984C4	89BACB86809F7A1B62097F0D81E26F8CA82261672F04B43D8799D5EB061D2EF8	- standard
15	1	CN=Certum Trusted Network CA 2; OU=Certum Certification Authority; O=Unizeto Technologies S.A.; C=PL	CN=Certum Trusted Network CA 2; OU=Certum Certification Authority; O=Unizeto Technologies S.A.; C=PL	00B85914713F57DF8F31C0333DD2D6197A2317B4EB	rsaEncryption	4096 bits	SHA512WithRSA	2011-10-06	2046-10-06	9736AC3B25D16C45A45418A964578156480A8CC434541DDC5DD59233229868DE	9F8B05137F20ACDE9B996410F4D0BF7971A1006DC99E094C346D279B93CFF7AE	- standard - SSL - SSL EV - Code Signing - S/MIME **Revoked** on 2023-01-23

Other CA's

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certum Class I CA SHA2, O = Unizeto Technologies S.A., O = Unizeto Technologies S.A., C = PL	CN = Certum Trusted Network CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL,	00d147a a29b042 89f7f5c6 4247009f d339	rsaEncryption	2048 bits	sha1withRSA	2014-09-11	2027-06-09	0E530BDC8 21962629B9 1CE6C83F5 65C2EEC69 8B3A14C7C 65C220E7B 8CF2E5DCA	2AB4DFF69D75BBF9541060B434CE5AD0C4DACB7AF0DBF21D3616AFCB473796DE	- standard - SSL - SSL EV - Code Signing - S/MIME
2	1	CN = Certum Global Services CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00d04b6f e5dd5bd 221e7c7 4cf6468b 3146	rsaEncryption	2048 bits	SHA256with RSA	2014-09-11	2027-06-09	33B683FC7 9A0CBB085 F2C4DD76B E6CA35319 58406E35F2 C87467B58 EFCB45FA1	9E852C59DFC6FD6ABD4E17EA80B5F4E56FC04192D107258D54DA8A92528670D6	- standard - SSL - SSL EV - Code Signing - S/MIME
3	1	CN = Certum Code Signing CA O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00fa33b7 9dd496cf d10c846 539a49d 63b5	rsaEncryption	2048 bits	sha1withRSA	2011-09-20	2026-09-20	1BEF3990D A51B41010 A69C3F47B 326F52877F A10B9F0585 6319AE127 AFBF2410	0E8CC50D64DF43D35971DEC320B4BA226B0DC844380EB4B2BB7F845B12A3B48A	- standard - Code Signing
4	1	CN = Certum Code Signing CA O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA 2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7f46f004f 1a53048 6aa6b8b 95e9467 48	rsaEncryption	2048 bits	sha1withRSA	2013-01-24	2028-01-24	8C8F2ACF3 98E86DCDE 80B4D0CB3 D5B90B20D DDC4C85D7 8B411279A4 1BB7A7C31	1B82F666CEDC5D302B0A8F1CCE498CEECD730208A2337DC7664FEAC3DD2D0F92	- standard - Code Signing
5	1	CN = Certum Extended Validation CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f18734d4 8395862 a0c3af6e 4b92738 1a	rsaEncryption	4096 bits	sha1withRSA	2013-01-24	2028-01-24	AF19834886 EE88D4BC7 F3907AEAC 1BE6033C7 C65D85D8E C482AE5F2 D8C849F8B	7816C7B0566B46783B1C15D8A28D8B0D20CFEB20B3D13F79446E15C4A51C91DF	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
6	1	CN = Certum Class I CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b47de80b8745855c6e9c4e6bb189abb4	rsaEncryption	4096 bits	sha1withRSA	2013-01-24	2028-01-24	5ABEECD5E79ED66D094BFEAD76BE58BBFAC93A9AAC8EC6FC21E35C8664A390BE	337AC56F39FB8877B9F0524554B755D1835A807FFC9058DFC6DE1B707F696123	- standard - SSL - SSL EV - Code Signing - S/MIME
7	1	CN = Certum Extended Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00c5a2d3f6eb4d193c17a90aa38a296e54	rsaEncryption	2048 bits	SHA256withRSA	2014-09-11	2027-06-09	1D82D7F1FA9711B3773677EFEE640C26A06DBCD99D2A17B0FFAB0316D92788AC3	6C47D365C13BC8CC3D6DEF5D8F07AB8DBEA3C8D4945D651AA9854A9C9A3CC71C	- standard - SSL - SSL EV - Code Signing - S/MIME
8	1	CN = Certum Domain Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	26ddd22b46c9c44d5a694d39807e72ad	rsaEncryption	2048 bits	SHA256withRSA	2014-09-11	2027-06-09	4B801B24D1AFC92E7B9F3270BFCB0F31430BF151D2A87D6F6E205FB5D3DC12B2	129FB5DE501E24041CD14A81075FD1CDE257408D4A353E636912E38BDDA2D3FB	- standard - SSL - SSL EV - Code Signing - S/MIME
9	1	CN = Certum Organization Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00b5ad0f63854cc4622e4b3923b2900216	rsaEncryption	2048 bits	SHA256withRSA	2014-09-11	2027-06-09	E751AF78A36BA498ED1A95D8E500F1D37B3761343069089CE9D581AA8DF35FAB	FD02362244F31266CAFF005818D1004EC4EB08FB239AAFAAAFFF47497D6005D6	- standard - SSL - SSL EV - Code Signing - S/MIME
10	1	CN = Certum Digital Identification CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	66daef03db8461916b25ba83fb174e13	rsaEncryption	2048 bits	SHA256withRSA	2015-04-21	2027-06-09	41D72A22FD8E3CDB03EF9C37D9DF6D303C9A8B6F82973491B7FE3D8B4598C1B5	0F672D92A0B06CEE948F03B272502602C6E37D2A2AD694A31D5DE313196E9282	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
11	1	CN = nazwaSSL, O = nazwa.pl sp. z o.o., OU = http://nazwa.pl, C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	606c62dc97d1a0392ee9cb12b21d6dd9	rsaEncryption	2048 bits	SHA256with RSA	2015-12-31	2025-12-28	016E94F2A3EA935D78ADF976B008621229B63DFD26ABF45BFC17964A554088FE	A69C59966EBBCDFEC7F4FF0288C86FF60356FA7860208B93B43A095B0600CC1E	- standard - SSL - SSL EV - Code Signing - S/MIME
12	1	CN = Certum Code Signing CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	6b326a0f0328d37a1d530bfd23bd48e2	rsaEncryption	2048 bits	SHA256with RSA	2015-10-29	2027-06-09	9FC9321AE26600F77F3B1D9EA54D6F36B54E4E9E65C2BE32E57061E34D4A904B	06E5BAF59E3DA805CE9F286DF1BAEA93D2BD671F6D73728A25EB6AC697F204C1	- standard - Code Signing
13	1	CN = Certum Extended Validation Code Signing CA SHA2 O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	4e96c1ba06258a0c2aba27625e9064d3	rsaEncryption	2048 bits	SHA256with RSA	2015-10-29	2027-01-19	2A6162E44DFC3808BD888B7BE2372DEE22474340126E338EC1D2B9ECE143BBC5	176AAE8BDD5DD06A7DBD42862DC173BD838FFE3013103B097B9671C37BA6AE14	- standard - Code Signing
14	1	CN = Certyfikat SSL O = home.pl S.A., C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	311d7edde4920208bbd85ef7262bba	rsaEncryption	2048 bits	SHA256with RSA	2016-06-08	2026-06-06	E4F2788C1D6C8C9E64C776B40ECDA7A093DCD3B64E6FFCB5BD1D6D375B7916C4	A95F23B52AF10895886FB65323D29A9876EA7D396F805E4CA280D561C26E3DAD	- standard - SSL - SSL EV - Code Signing - S/MIME
15	1	CN = WoSign OV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	ef051a741a1d9409fca5e4640f8d3c9b	rsaEncryption	2048 bits	SHA256with RSA	2016-11-09	2026-11-09	319283D9CEB4147101A23FAE64D95E8329481AF09A7EED2D059D9E5076A8D3ED	C7F546F0C76C9A0DA9992E9884E6248B7CA2BB6ADE838BD7A03A8C41EE2A3064	- standard - SSL - SSL EV
16	1	CN = WoSign Code Signing CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	17ef72b4157d6f4b68e4bdd575e5ccae	rsaEncryption	2048 bits	SHA256with RSA	2016-11-09	2026-11-09	1594B417FFC9EC51F3A4DAAFDB67E14D96759ECF258AFA846A207D35FB5D8A85	7B0BC3563D43309118F560A6C99A221C35399B10293F73BE41A12ACA0338075F	- standard - Code Signing

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17	1	CN = WoSign EV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	520a3a469d146b20297afd015e64abf5	rsaEncryption	2048 bits	SHA256with RSA	2016-11-10	2026-11-10	914B1AA8415C44D61E2CC0DA2924FCDA308AD9F3F6433483454C8DF768A272FC	C0AB07D9071A4CC1D34409178F8BCA058310A8B111DDCFA655658760226F50F9	- standard - SSL - SSL EV
18	1	CN= 4fastssl.com , O = 3S2N Sp. z o.o., OU = 3S2N Sp. z o.o., C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7c0876ae51f52f127a953247b4834b62	rsaEncryption	2048 bits	SHA256with RSA	2017-04-18	2027-04-16	B0DED8BF4A93CA35BE0494DF933755BD8C5DD44C5417097772FC1B2F3B64E457	31AC346B31073DC0D134E29FC212CC4A15ED3530EEA1EDCFC8DACB36492D5DE4	- standard - SSL - SSL EV - Code Signing - S/MIME
19	1	CN = WoSign DV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	e21a211aa891e2d35459ffd36d27c426	rsaEncryption	2048 bits	SHA256with RSA	2017-05-18	2027-05-18	1BF57EE00608F57024363764E1266A2EB5A4CA57D96E03C6D52E1C367014D45E	0330286DF3612C0E968DCD518A7A316D5E0790D1CA324B906B0EF017C0BE3EA7	- standard - SSL - SSL EV
20	1	CN = TrustAsia DV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f15cc09c2dcc610208b80ea3057243a9	rsaEncryption	2048 bits	SHA256with RSA	2017-10-23	2027-05-14	9190F5AC0872754718C7F8878B043EC6C87DDA275CE42AF2BECE3ED8C7909E99	C25F1E96000BC36E2AA5CD54BF24F48B76890A162E1AD8E104992650510626C2	- standard - SSL - SSL EV - Code Signing - S/MIME
21	1	CN = TrustAsia OV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	309e97b6ccd8672842fa2059592920a8	rsaEncryption	2048 bits	SHA256with RSA	2017-10-23	2027-05-14	8446516F46817F287FD72A22EC82369B44D0FC90A42605B07CB6678BB9595076	7A142B1A5E16215183A13E840A862A437E293D9366921DB07EDB54F138AC0D78	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
22	1	CN = TrustAsia EV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	178666a8554accbfe73457e6451a686c	rsaEncryption	2048 bits	SHA256with RSA	2017-10-23	2027-05-14	DF3BE1AFD14BA31FFA1CAF822EF47FC04E172908EDA83BF334FC52AF433C8DE6	BC0878CBBC4E0DAF7A9DA464AB16262A235BFDAED33B9F9569BA18FF34997580	- standard - SSL - SSL EV - Code Signing - S/MIME
23	1	CN = TrustOcean Certification Authority, O = QiaoKr Corporation Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	1509b3b352d6689b5a7272f372e7e028	rsaEncryption	2048 bits	SHA256with RSA	2017-10-23	2027-05-14	02A9F195518772E132C01750C6770EA0C05DDB0FA274D95FA031274E0131E52E	A416A2BA490C454E23B85BF087DB7B137F4F47D9747E60F8692FF4C8DF0E062B	- standard - SSL - SSL EV - Code Signing - S/MIME
24	1	CN = GDCA TrustAUTH R4 DV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	9e9cb69426c45cc4306d3e1cc2a79efc	rsaEncryption	2048 bits	SHA256with RSA	2018-01-26	2027-05-20	71FB108FAF19908C9B935817EA18B359A72813B86FA8936E8CDBB6134DE7FF78	6CDF9DCBF3510A3BB402761D62D0C5E4E7AFC51D9CFF01F02BD53256DC567ADF	- standard - SSL - SSL EV - Code Signing - S/MIME
25	1	CN = GDCA TrustAUTH R4 OV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b0efd02a81bf1ce89f7a18c294e4c33c	rsaEncryption	2048 bits	SHA256with RSA	2018-01-26	2027-05-20	5FF9034491B2A3582BE57812E211A4035247D7D45B9F4FA301DC51906C0E7E2B	E81B01F9F5692CF3823C6FD35886542BFAEEFC5EA94F4E246E42C4A9FC5FE8AB	- standard - SSL - SSL EV - Code Signing - S/MIME
26	1	CN = GDCA TrustAUTH R4 EV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	d5f83e8ddaf67c8829e89016b7877d13	rsaEncryption	2048 bits	SHA256with RSA	2018-01-26	2027-05-20	1A57EB460C3D8D6F55342ED8D5A5C3B13B0787A7543C012E77C7E1CCE3BE11D6	6869242CD8AD2AC77BC028947BC7D0C4F6E9CBF0899D65709810D89F94B5D70D	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
27	1	CN = GoGetSSL Domain Validation CA SHA2, O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b0a20c009da4b5eba644c79c228270c5	rsaEncryption	2048 bits	SHA256with RSA	2018-01-26	2027-05-20	A75F396D8C6214EF99C0A015FA6227787C3EBEE1F6AEAA589033B28CA37B0F21	B5F62EC38131CD14B1FC95B877F4D210BE4BFACC7E6A6AA1422D89E34B7AC4C1	- standard - SSL - SSL EV - Code Signing - S/MIME
28	1	CN = GoGetSSL Business Validation CA SHA2 O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	c557eac31e7e21fb026f20e096b6bad4	rsaEncryption	2048 bits	SHA256with RSA	2018-05-20	2027-05-20	5A125BD51863EBE5177ED55491E555E4288E6707D617881DB24115BF25A93713	18958D03AFB409687A1BC263860D0D735A25A004AB60E0F0E45D6333587437AE	- standard - SSL - SSL EV - Code Signing - S/MIME
29	1	CN = GoGetSSL Extended Validation CA SHA2, , O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	27c6c981d3d15d0f78377121f8233e00	rsaEncryption	2048 bits	SHA256with RSA	2018-05-20	2027-05-20	04F102C7AC0DABDD29F20BB462927515CD03C7B8744A692D7832B9C439974F96	EEDA15BA000B006EAD49A21BBE769F3BA6CE75C9249F0114D8DD882DFC0F2C1B	- standard - SSL - SSL EV - Code Signing - S/MIME
30	1	CN = WoTrus DV SSL CA O = WoTrus CA Limited C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	349bb144ae5611e99bf4345c7fc9aefc	rsaEncryption	2048 bits	SHA256with RSA	2018-04-17	2027-05-18	AA8D50CB360250233A4D3A647E5C9695ED8446E350F2AEFFF7DA02B754660E09	6970E396621417DCEE315AAC28BB5EA3161F175020F7F4E9BA17DADE58DBB08D	- standard - SSL - SSL EV
31	1	CN = WoTrus OV SSL CA, O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	05ed88d8088d11ebddd623963cbaed42	rsaEncryption	2048 bits	SHA256with RSA	2018-04-17	2027-05-18	C710CA27A5ACAC86755FF1355C8D4842050D19CD52AAE4A4E549323811CAAB82	F6BF88B2A8DCD4FEB4015984EC2F1427C8017D140CF41F22EE689E0D6718012F	- standard - SSL - SSL EV

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32	1	CN = WoTrus EV SSL CA, O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	07dded674e2a2c08c9de6666c971541f	rsaEncryption	2048 bits	SHA256with RSA	2018-04-17	2027-05-18	6DF9B7D0ADAE7D00B781020DC65ECEC1112815240426B2B879C303DE3CBF4257	EA6963696750564A228B3EB88E0FD4304C5DA27A7AF92D1D4199357A50078315	- standard - SSL - SSL EV
33	1	CN = WoTrus Code Signing CA O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	6ea1d4945f0e69e9d6f1482c586a71af	rsaEncryption	2048 bits	SHA256with RSA	2018-04-17	2027-05-18	AC81415641A2B92072515978BEE909CF541CB5864B0632C9F5955AE8DB65DC0F	0829CAB693AADFAF21C77876DBE76BB9AC7491608FFAEBF7D1D53C289FC88452	- standard - Code Signing
34	1	CN = Abitab SSL Domain Validated, O = Abitab S.A., OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	101d422255e1fe416660c480177611	rsaEncryption	2048 bits	SHA256with RSA	2018-08-22	2027-05-02	F708359316E5FDEC3EE7EEEDA5AB6D3CFBBF8FD6E00DCB64B9C364A4E1BE53AB	E67D18639367C5B29BF7A5683B56B0F0C23155C8FE9452BCFE51681436023742	- standard - SSL - SSL EV - Code Signing - S/MIME
35	1	CN = Abitab SSL Organization Validated O = Abitab S.A. OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f0d59415c6decb4f888f2837e606810f	rsaEncryption	2048 bits	SHA256with RSA	2018-08-22	2027-05-02	13818B0ED4C4C0EED409E02D3BC89B6CEBBA14B671488502FDF07321B339995E	EEF9066424C23508E9C65F84671B14E16DA1BEC358E75FC6382ECA070AE861BE	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
36	1	CN = Abitab SSL Extended Validation O = Abitab S.A., OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	63e9b37a0fea72231484b67eed4ba9e3	rsaEncryption	2048 bits	SHA256with RSA	2018-08-22	2027-05-02	CB629A02C53555F25F5914183DEAB71D5C4ED4656BC12C38C46ABBAD226DC882	93B281BD81D83CF986659DFFD0AF57993B92E6E4614162539F750524CE11BBCB	- standard - SSL - SSL EV - Code Signing - S/MIME
37	1	CN = QIDUOCA 2018 DV SSL, O = "Suzhou Qiduo Information Technology Co., Ltd.", OU = Domain Validated SSL, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	d8f02e7002e2f53fa539ea253a264d3a	rsaEncryption	2048 bits	SHA256with RSA	2018-08-22	2027-05-02	1E34F5D6EC5BD1D5D7C599E1E855261165475 0BB52B4F6752CBCD161D91DA2A6	E372221266A330DD13EB1388DFAAF1FAB11DF254B63385CB637BFEF8FB5FB675	- standard - SSL - SSL EV - Code Signing - S/MIME
38	1	CN = Shuidi Webtrust SSL Domain Validated O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	9073d7674c9cba7bbe10706593dd7233	rsaEncryption	2048 bits	SHA256with RSA	2019-02-07	2027-05-21	CFC52F65523268E4E4268B25D959FC1DB727EC284A0A8B0512628182F44B87A5	4D67237B2CFACFFF3DDC83C2FF1C92A8E0A98A71BD04ED39F8AFF42AAF99371D	- standard - SSL - SSL EV
39	1	CN = Shuidi Webtrust SSL Extended Validated O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	a51d3444bcdeb1f33240001bd58d2138	rsaEncryption	2048 bits	SHA256with RSA	2019-02-07	2027-05-21	600458F0CE293554234AC9395E0C3E3776FB65A42CB14DFE325DAAE5CE793F54	6C40D07F4705A5B4F04C6AECDC5A1BF5FD38D2B6CF2DB7F212CA251075BE125D	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
40	1	CN = Shuidi Webtrust SSL Organization Validated, O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b3780c84db0d041b1cd66a40cb8d9573	rsaEncryption	2048 bits	SHA256with RSA	2019-02-07	2027-05-21	6D0129552FCFD93689048860A445C10BC8C7A972E5A12F5BE0490A7F75882C4F	EE09D49C7CF441840DA5158D0E70D4C6CAEB4FCCFE6758EE4CC45C71A287DF39	- standard - SSL - SSL EV
41	1	CN = OKCERT R4 DV SSL CA G2, O = "Kingnet Information Technology Co., Ltd.", C = CN,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	69c0570d6e2146319ad1e5834e049dcc	rsaEncryption	2048 bits	SHA256with RSA	2019-06-12	2027-05-21	BADEF241FE1D335A824795ED281A1856FA6FB4D2	7EB445EA38A46A6411F0A12A0E16CD3D073E91B125679977041FFBCE83BE3C1A	- standard - SSL - SSL EV
42	1	CN = OKCERT R4 EV SSL CA G2, O = "Kingnet Information Technology Co., Ltd.",C = CN,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	13109cbcd429eae881f09e215f2ded38	rsaEncryption	2048 bits	SHA256with RSA	2019-06-12	2027-05-21	B1C04671EFA88E0D41CA5F9B952A02EE2C62114B	C5453F7C147016A9AA0F5F4BB1D217DEBE1C2D368C53CF74D35F55C5233C498A	- standard - SSL - SSL EV
43	1	CN = OKCERT R4 OV SSL CA G2, O = "Kingnet Information Technology Co., Ltd.", C = CN,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	ec4e0eb6ab2a278a66cf3b0d619a9d82	rsaEncryption	2048 bits	SHA256with RSA	2019-06-12	2027-05-21	853218FF779AC99180D81B9117BA144002316A42	BCC3A54D7083116316CE03B9A40CA36F336F4839AC581862D4311A84F701514D	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
44	1	CN = SZCA DV SSL CA, O = "Shenzhen Digital Certificate Authority Center Co., Ltd", C = CN,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	db3ae99fcf6407d8daeef98cc77f8c13	rsaEncryption	2048 bits	SHA256with RSA	2019-07-16	2027-05-21	76B3B0CBF54E9121B695577B830FFC15B20A1C30	F6787FA8CAD7D2C279A0374BFB503807CC6ADCC7C23709273DD5A4047D1AEF78	- standard - SSL - SSL EV
45	1	CN = SZCA OV SSL CA, O = "Shenzhen Digital Certificate Authority Center Co., Ltd",, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	2036943cbea08b692a296d66244064a2	rsaEncryption	2048 bits	SHA256with RSA	2019-07-16	2027-05-21	2CC610A7F414EC84193FB253EC98CB3CC9F75764	CC0B2512EE20280C36F30D57084ACB6B8636D94B481742E424335C7767E758C6	- standard - SSL - SSL EV
46	1	CN = SZCA EV SSL CA, O = "Shenzhen Digital Certificate Authority Center Co., Ltd", C = CN,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	4e0d59e13a1a08eb0dae89e91b6750da	rsaEncryption	2048 bits	SHA256with RSA	2019-07-16	2027-05-21	B3FEDBE44995D0A100FB8569DD9ED20C9437B0CA	7FBF5DB4917639930076AAFF78FC91DDA0EFEEA86CAD38A18D98947D7CD36948	- standard - SSL - SSL EV
47	1	CN = Certum Extended Validation RSA CA, O = Asseco Data Systems S.A., C = PL,	CN = Certum Trusted Root CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	239c8d41dd60d04ea6a32fe004a9e85d	rsaEncryption	2048 bits	SHA256with RSA	2019-10-17	2034-10-17	4E08958E4BC323EBA33A18CAB836AFD6649912C9	1C4EEA3A47ABD122568EAB547E06B52111F7F388662C246C8ECBE2660B9F26F1	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
48	1	CN = Certum Extended Validation ECC CA, O = Asseco Data Systems S.A. C = PL,	CN = Certum EC-384 CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	63b4fbe02028aa507d9293416ff4104f	id-ec PublicKey	384 bits	Sha384 ECDSA	2019-10-17	2034-10-17	1CE14E22497457E92BBF99E12A560B62DCA1E2A3	C7063A8DC668205E66153108FBE3BDBF6EDB6F8CE5F616A369BEF6324DCB6354	- standard - SSL - SSL EV
49	1	CN = Root Global CA - G2, O = "Root Networks, LLC", C = US,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	c3e00f9f002ec559ba02c4a5f2600c5e	rsaEncryption	2048 bits	SHA256with RSA	2020-01-30	2027-05-20	B1C04671EFA88E0D41CA5F9B952A02EE2C62114B	309A7823BB3D1DDF44A573EC0BF9FD5166625FDE73776184C62212B4C0B4E94E	- standard - SSL - SSL EV
50	1	CN= XinChaCha Trust SSL Domain Validated O = Beijing Xinchacha Credit Management Co., Ltd. C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	56814be297e30ceb2e65988547af504a	rsaEncryption	2048 bits	SHA256with RSA	2020-05-18	2025-05-18	786c05c36f01ad5cd7d2ce8a970f72e906f2554d	4D45039EECCA114D64822A0AA80944D66E08FAEE62B1D253F140298769F227B4	- standard - SSL - SL EV
51	1	CN=XinChaCha Trust SSL Organization Validated O = Beijing Xinchacha Credit Management Co., Ltd. C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	0a05471ba855d169cf84f3366ceb09ec	rsaEncryption	2048 bits	SHA256with RSA	2020-05-18	2025-05-18	203283bf97547911758cffa46730550f40e7d3c4	8E2D07BFC591B14FA314686E1CC8D9BB5F6F8D091C0595194AA2C7585B991887	- standard - SSL - SSL EV
52	1	CN=XinChaCha Trust SSL Extended Validated O = Beijing Xinchacha Credit Management Co., Ltd. C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	42be50b1a6753c36409a037888a60eab	rsaEncryption	2048 bits	SHA256with RSA	2020-05-18	2025-05-18	1ea4b2fd1806ae3f3fcffc8e381b670974dc7d01	FE7340370D595A39FFE10DCE2197447CE67C98BE28F0330C8FC85DD03212486D	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
53	1	CN= Yekta Domain Validated SSL CA 1 O = Pardazeshgaran Shahr Hooshmand Yekta Co. C = IR	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	2635b3cefefd15d42b22486c70946aa8	rsaEncryption	2048 bits	SHA256with RSA	2021-01-20	2027-05-31	ad556fe9503876ccb97aeb7a6c6c226b81b1061c	3818995B28A090D83A61667117D50C77C1F1DC7A137680F2E55CE755314F2D0A	- standard - SSL - SSL EV
54	1	CN= Yekta Organization Validated SSL CA 1 O = Pardazeshgaran Shahr Hooshmand Yekta Co. C = IR	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	2f60421da95dcb213e5ff647b0b9a836	rsaEncryption	2048 bits	SHA256with RSA	2021-01-20	2027-05-31	86ed7f8a52580169a6311e36566b1a2e6aa742b6	17F08A4F5DC38C49BB17DCD64B2CE742CFEAB99BE5B67DBC14C2E896771C60E1	- standard - SSL - SSL EV
55	1	CN=United Trust; O=United SSL Deutschland GmbH; C=DE	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	4BE92A902784951DC13AC6CE37D230FE	rsaEncryption	2048 bits	SHA256with RSA	2021-02-24	2027-05-31	5D9BB6215EC56915549D083362FC48460EE7033BB10D831C7CC233F063952D37	68FC6237C4B8722A1BDFB9583F728840A18BFCC3D6C6E1D6B0A307624577DBD0	- standard - SSL - SSL EV
56	1	CN=Certum Code Signing 2021 CA; O=Asseco Data Systems S.A.; C=PL	CN=Certum Trusted Network CA 2 OU=Certum Certification Authority O=Unizeto Technologies S.A. C=PL	0099A3800A26553B65ABDC6E84A6B3EA39	rsaEncryption	4096 bits	SHA256with RSA	2021-05-19	2036-05-18	E64D532CF987EE0260FDA04A8251103CB650F7CF8FC92A7D3865F5D6E8992E50	5AC82CBE9F28351E85D5262293BCFC8BACABEAD1294F248C1DF17F81CE5AC3CE	- standard - Code Signing

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
57	1	CN=Certum Extended Validation Code Signing 2021 CA; O=Asseco Data Systems S.A.; C=PL	CN=Certum Trusted Network CA 2 OU=Certum Certification Authority O=Unizeto Technologies S.A. C=PL	00BBF0CCB5B7B831FD21AE32778AE40C89	rsaEncryption	4096 bits	SHA256with RSA	2021-05-19	2036-05-18	F5DA4F4D2E1261D2CD32497F9EE17674B710B7BE86F4A44EFA44314BC4F778DB	D6D9BFA813BFCBAB204C1AE503D2DE4093D2FC0041E365485AD02139F66AA76A	- standard - Code Signing
58	1	CN=Certum Timestamping 2021 CA; O=Asseco Data Systems S.A.; C=PL	CN=Certum Trusted Network CA 2 OU=Certum Certification Authority O=Unizeto Technologies S.A. C=PL	00E7FF69C73B35CE4B9126D8747C68A587	rsaEncryption	4096 bits	SHA256with RSA	2021-05-19	2036-05-18	308D118FAE3DB23F514FDD10984DB28BAB2F98CCA631619964FB51169B3A1D21	F882EFFC16DE28D508C092E35825B00242CF963071C279EF09310D9D95784B35	- standard - Code Signing
59	1	CN=WoTrus Code Signing 2021 CA; O=WoTrus CA Limited; C=CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	389CD29D8FDBC739F54933BECE9893B4	rsaEncryption	2048 bits	SHA256with RSA	2021-05-26	2027-05-18	28C16484CECD9716C5C7C9134ADF7EB2DA5363D23DC03839DA3ED7EF3AE67A30	2D687BA569A21640D62F424A999FF36FCAC2203815FCAF5EB0FB77C98C9EC45F	- standard - Code Signing
60	1	CN=Nyatwork; O=Nyatwork Communication Ltd; C=CA	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00FB512F8FE205EA41401929C6D3DFEBDF	rsaEncryption	2048 bits	SHA256with RSA	2021-10-19	2026-10-19	A348E3C736C8B7C8E3F33693E8814EC390777D402DD46A4D85F355A8CEE00156	2A6286C3AC09AE6CD3748B24A33F30FB93DA991F883F7002824B14A914955855	- standard - SSL - SSL EV
61	1	CN= Xcc Trust OV SSL CA C=CN,O=Beijing Xinchacha Credit Management Co., Ltd.,	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	F244082DABA90DA58C72E9F29A9340AE	rsaEncryption	2048 bits	SHA256with RSA	2022-07-01	2027-06-30	FAA0CBC2C75D81B5209207200BB63B703B090E55	2628D65E94D62E57B6344C31B22920EDA316D9BE68EEF5EACC7362206B7DEAFA	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
62	1	CN= Xcc Trust DV SSL CA, C=CN,O=Beijing Xinchacha Credit Management Co., Ltd.,	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	C2B755D B93BD47 2C18D35 10BD8EE A0DE	rsaEncryption	2048 bits	SHA256with RSA	2022-07-01	2027-06-30	A1438E0034 09E57B3533 AE758904F2 32610FA8E7	B81D7010D7E495179BB5BB504223EF2EEF3056557EE3924533718169F1A670C8	- standard - SSL - SSL EV
63	1	CN= ANTIC DV CA C=CM,O=National Agency for Information and Communication Technologies	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	D32C455 6DD4AC FE0284D 1368DC8 3757F	rsaEncryption	2048 bits	SHA256with RSA	2022-07-28	2027-05-31	4D4D1A5D4 5929128557 0ADDA9657 E61FD648D 85A	E53A69193E22FAECC833F80631BE15E020A04C20BB679FD351F0CB95C0089E50	- standard - SSL - SSL EV
64	1	CN= SSL Secure Site CA C=GB,O=SSL Limited,	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	670033A EB205D5 417F34D DDC3E9 4B562	rsaEncryption	2048 bits	SHA256with RSA	2022-09-29	2027-09-28	77E894CD0 062EE9AA2 359E084824 18B31E56E B74	D859828E4E8C35ECC38E415E1D0CFFD4A9DFC116205401D1298FC13347DC0187	- standard - SSL - SSL EV
65	1	CN= Sooma Digital Trust Validation, C=PT,O=Sooma.com Web Services Lda,	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	40103C0 09518C0 E91C136 1E37A3B 95AA	rsaEncryption	2048 bits	SHA256with RSA	2023-01-23	2027-05-20	9FE3F487C 2D394D304 10D53A571 D7822D938 465F	CF8F3E3A993C9D020068B7AB200AC94200748731822FD5B32767226A2EE4EFA5	- standard - SSL - SSL EV
66	1	CN=netartSSL O=netart.com sp. z o.o., C=PL	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	4566BBE A77B9B4 0DC6867 FECCD1 58C99	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-05-10	2027-05-20	6A8F32FEB 9D200BDF0 7B64296927 4DA90402C AC2	5A86CB297E37CFF1DB01FEA8E14FE4C5E054F8B228E976E4A782E3AEA723FC1B	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
67	1	CN=cyber_Folks O=cyber_Folks S.A. C=PL	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	8C353DD1E4236E8D51A3AD574E262090	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-05-15	2027-05-20	05DDB1C4443BE1A2825372E2765DA914F924AD45	35F8CC89610508BC16BD332DA543964698C72D67895FEB4E068BEA5E06686457	- standard - SSL - SSL EV
68	1	CN=Root Networks CA O=Root Networks, LLC C=US	CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	F9C8E2531E1B7689499D5C276916DF97	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-05-15	2028-09-09	1806CD5DD79B56BA02E6232E4D7C1AFD1DF0C9CB	BF64C06D1D48D977A0BC2DFC917E8E0D6342BD11590471636D7A0806CC8DF003	- standard - SSL - SSL EV
69	1	CN=IKARUS mail.security O=IKARUS Security Software GmbH C=AT	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	83E06505E0B5D1ACDC0858527EF53177	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-06-13	2027-05-20	89A399FD6194EAEC5F21CA956B28273EF5C4CB06	002E6D642C2EE639B40FBED1020EE7BEEDF2E521F9B2BDE46C958D32E6353E9D	- standard - S/MIME
70	1	CN=Certum SMIME RSA CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	0CE13227A82CE6A3D0F357C36CB61E86	rsaEncryption	4096 bits	sha512WithRSAEncryption	2023-08-01	2038-07-23	66FBC30FBEF4BFE09CC9AB4DDE4719BDC0CAA668	ABC27367A236EC90F91B6457CBAEF942BF657C9C97E87F4A2CC8302160A67AB8	- standard - S/MIME
71	1	CN=Certum SMIME ECC CA O=Asseco Data Systems S.A. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	8A2527AD93733CC2276C488C437433B2	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2023-08-01	2038-07-23	4997927052227E313FC3415B31F792AD03AA0693	1131362B431A474A0BC5F2BFEC5B3CC5B5D5E1BDE9FAE64C50AC8E26CE295B56	- standard - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
72	1	CN=Certum Global Services SMIME RSA CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	0BA3582EDD7AB32A93A1E32B27D04ACA	rsaEncryption	4096 bits	sha512WithRSAEncryption	2023-08-08	2038-07-30	7F9D5C72FF6C3AFF2827DBC12916724E6119E908	41C7155655F8DC27BA1128248980067D46836B6450CF4E1062C8C2772606773F	- standard - S/MIME
73	1	CN=IKARUS mail.security O=IKARUS Security Software GmbH C=AT	CN=Certum Global Services SMIME RSA CA O=Asseco Data Systems S.A. C=PL	2D4FAFA5AF0BBCDF2C8DFC4AC4C043E3	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-08-08	2028-08-01	7FD938B526A34BEFAE211E7D3214DA0CAEED0956	8006BF194B9856EAC36A0A1A4B88EAEB54018F06F8CED90E7669D5F373D71D59	- standard - S/MIME
74	1	CN=Nya Labs CA O=NYA LABS LLC C=US	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A., OU=Certum Certification Authority C=PL	8B794BAFFB43501C11D1A3D583EC4CFA	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-11-02	2027-05-22	AA92F53F798D5D712C0AFFACD8A6F97D3C835C57	7E0A8C9844D0F99EC84307483F2E331980749F88A7185649D4D99FA3C3589E52	- standard - SSL - SSL EV
75	1	CN=CFCA DV RSA CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	BA750BADFB4AFBC520107CE31AF7AB58	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	7788AD9309E10F72DFC26586868459E9F986D16F	ED124F475AAF4D98D1E618D3BE32F003B3CBB873C7D15B0F1A0089739CB4E4CC	- standard - SSL - SSL EV
76	1	CN=CFCA EV RSA CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	B3F601DB6BAAE814497D3FB59E1216E5	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	BBBABE00F4D0AB06E60FB87BF0B4180FA3D515E8	98380E437E1A46E6AC2AA64D7BE6D71F2969E510ACAF5D37846CF12B8AFE7B3E	- standard - SSL - SSL EV

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77	1	CN=CFCA OV RSA CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	D74380618371EA603EB432409C2B8DDA	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	32FC6860902517C79B79FCC942770710DD240E52	076EA7358389410DF85D911D251B9A582C5E6F684E0F046ED430187F0533AEFC	- standard - SSL - SSL EV
78	1	CN=CFCA DV ECC CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	2756495F96F59F3DCFDD2ED5B72DA76B	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	C9F74AFE5EE4134B0DA4919EDC5B50C75A537612	690DD5AB690009813339BC668C6D3839144F34E17E5BE7F0958879E9A9E057FB	- standard - SSL - SSL EV
79	1	CN=CFCA OV ECC CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	FA1CB08C7144FBD63A0A033CEAED4634	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	63EF0430A4746EE144E1EC3E38F1211F7F421171	A92BF1FDFB2DA2A1CE60E7440992E53A410CE2FAA8AB71EAD7444F2486E5FA9F	- standard - SSL - SSL EV
80	1	CN=CFCA EV ECC CA O=China Financial Certification Authority C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	CC081BF16779E9CBEFE2E0190EF51EE6	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-05	2027-05-23	213933BE14F3D0F6CFA856077310EA5C75ED4937	D65810FFD7BF9A0E5779DF6753BA3894379F850B1B743AEC55786F98AC29011F	- standard - SSL - SSL EV
81	1	CN=vTrus DV SSL CA G2O=iTrusChina Co., Ltd. C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	E9817656FCFF3EBE0FF6F9FCCB37B592	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-07	2027-05-25	4A5FC3B35515AE2C4D5CAFD598C9BC9D861326E2	D7A43AAB5B59F58CB68CC01CF838A392EE913FF330FE7C3309EDA30B84541D07	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
82	1	CN=vTrus OV SSL CA G2 O=iTrusChina Co., Ltd. C=CN	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	61EF741269E462001863A280073DFC45	rsaEncryption	2048 bits	sha256WithRSAEncryption	2023-12-07	2027-05-25	5F4C6A839F36AE1D2BE54659CDC92C395F62D659	3296EB060C887E8EC0E59903E9CC8D5F6302EE8FABA95620AE5DE2364333F753	- standard - SSL - SSL EV
83	1	CN=LH.pl CA O=LH.pl Sp. z o.o. C=PL	CN=Certum Global Services CA SHA2 O=Unizeto Technologies S.A. OU=Certum Certification Authority C=PL	833BCAD443EE6AD80D3853BAD3D2EDC4	rsaEncryption	2048 bits	sha256WithRSAEncryption	2024-01-02	2027-05-11	DD86D40761905209C84D011AC3835D59EACE68C2	E4B2A0736F95950D11B82C9E6C32031E1420E06A66493E665F128AE499498FAB	- standard - SSL - SSL EV
84	1	CN=Certum DV TLS G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS ECC Root CA O=Asseco Data Systems S.A. C=PL	0CFA8F09C098A90C49F632A78DD38C50	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	E4CF03401D399186887AF3E53D4A0A6D5C4E3D9A	DF823B3B53109E142D1C8BA5574D5DEC7F1A14AC23168D97CDC6C83081AD2BAB	- standard - SSL
85	1	CN=Certum DV TLS G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS RSA Root CA O=Asseco Data Systems S.A. C=PL	FEF18B882025B739BB28B631C8567E12	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	8058DE424422ABD8FC16EDB06A9A2220B6A3E010	2815EDBD52B749EB9FE1C88FA68B85C8559BEE04FF05D1EE17E0AED8B14308B3	- standard - SSL
86	1	CN=Certum EV TLS G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS ECC Root CA O=Asseco Data Systems S.A. C=PL	D954BC236F5761DFEFE1BDBA9ECEF838	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	4B454AD3020E658B3534E8A4BEFFBD1E215F3C1A	EE2E652AF16790B709041EB9B1430B4A93AA18EC2A2983E6E67137FDE25CD511	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
87	1	CN=Certum EV TLS G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS RSA Root CA O=Asseco Data Systems S.A. C=PL	64101B2045C0BDF3E6C1F2EA442D2759	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	E6E266E4DD7B960BB97E61A04576D341A2DAD746	5C1D0DA0785C1D09E02BFD53C3D3D84D141DE00C01AE2BBF93C539CA87A5FF03	- standard - SSL - SSL EV
88	1	CN=Certum OV TLS G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS ECC Root CA O=Asseco Data Systems S.A. C=PL	96B1E28A1B77243CC24B723EFECBCDB2	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	C0E559B612580DBE3B91EB8813C175D0A19A53C0	DD9FA363315EAD6D110C94BAFD2AA61929E41B63A5877FFE84F50FBC36422A65	- standard - SSL
89	1	CN=Certum OV TLS G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum TLS RSA Root CA O=Asseco Data Systems S.A. C=PL	B9961C58D6D4220E1B19BF59F82A409F	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	52463FDCDD81B3434B15B4F2ABED24731CA7E3F2	F447B8DBA8F73A5A2236B73DB6173BBDB3A17626F4F1CC7087092427B5C0F67F	- standard - SSL
90	1	CN=Certum SMIME G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum SMIME ECC Root CA O=Asseco Data Systems S.A. C=PL	A72E8411370F77620930A9650C28726D	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	BB9B6C54980F670484CF28F7C5CE256CC6722E22	D286F91B30895B02FE557BC22B5B65A423833E3AE17FEEAA15534A657FAC1DAA	- standard - S/MIME
91	1	CN=Certum SMIME G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum SMIME RSA Root CA O=Asseco Data Systems S.A. C=PL	048204600550ABECB16E9260C21FD87A	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	B76F2EE26411FCE41E407957BE6E75A4547B4EDC	B7627C4F868250E2829D635435E52FB4CE71AA98D1DA449CBD6B6BBC43608C1F	- standard - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
92	1	CN=Certum Code Signing G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Code Signing ECC Root CA O=Asseco Data Systems S.A. C=PL	800E10BE2B2F5CEDC43315B57FECD107	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	243213DFE794C754FBBBDAD21C7F23049C8496CE	03C846959A74CC1E28645BDB9E7B4512A7C9A9BFCFE76DD2D73207075AB502AE	- standard - Code Signing
93	1	CN=Certum Code Signing G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Code Signing RSA Root CA O=Asseco Data Systems S.A. C=PL	EE48707028C09E1E680409806510E089	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	8866E9618AC6A7DEA67CF01177FCF3208C247B91	B4AE6B768A2261FDC7EAFD82F332FF038F0DE0F5D918E451D3E69C79D1A7D419	- standard - Code Signing
94	1	CN=Certum Document Signing G3 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Document Signing ECC Root CA O=Asseco Data Systems S.A. C=PL	5C504F2D293D911CC30400F910524D81	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-04-02	2039-03-20	65201C23DF758DCC32DCFE1577CDC4068088655B	E9D378909010EC726A33731CDC54D7C87979BB61B3EA383CA18630376D273542	- standard
95	1	CN=Certum Document Signing G3 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Document Signing RSA Root CA O=Asseco Data Systems S.A. C=PL	91432B275AA2D243F8F680C69EA9E5DD	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-04-02	2039-03-20	792BA621D62726B68D649A6898CF03BDB371C5D1	3A89C462D83749220A19E46980806A0E9430E62F1F8D94EE27D9AA13486B9D0C	- standard
96	1	CN=XinChaCha Trust DV TLS G2 R34 CA O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	74A2944B333F34FFD1DC8D70D67FC42A	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-05-28	2034-05-16	4B01F8828FADA98FCF0A5630937248FEA4EEC154	B5C87A0B2239DAFE0A5285E340626269ACA5E90F57492C38E9050CA5D18BC21A	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
97	1	CN=XinChaCha Trust EV TLS G2 R34 CA O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	1D4FD446A82B039A251A707472A37BAF	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-05-28	2034-05-16	6587A502F47B5CC35A72524E8C2AF38DF544A9A7	D79F1F0C8141804B39D04B2592D57AFEBE74F9460654AFF491490DBB7C5A2D74	- standard - SSL - SSL EV
98	1	CN=XinChaCha Trust OV TLS G2 R34 CA O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	0EE662482017DB0CEB556F9B6948D454	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-05-28	2034-05-16	9A1D695CF21FEA0947111DF4ED8BEBAE7CD7C67B	B5D46DC027130E5CED3BE5083EB34028DD9230F4D5A36AD1924D21C0EF984CBA	- standard - SSL
99	1	CN=Shoper DV TLS G2 R34 CA O=Shoper S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	98FF877B6D6D5E77A325F393049FAD8C	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-05-28	2034-05-16	D635681A1EF46C6186D3FC4A287A455A436CB4AC	509ABBB92864C2C44D7CBC466B63950E350165EE772A3037AE8168E92226A46F	- standard - SSL
100	1	CN=Certum DV TLS G2 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	0A7378F3CE61A13C60A235EE5B8ED3DD	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-06-18	2039-06-05	8F42802DCB1CCA571C3A612B2ECDD69D236E3770	5202D5F0505C69B2F7B6DA2D15D2DD61515C63958A90C05A23D9A8CEAFDEDBFA	- standard - SSL
101	1	CN=Certum DV TLS G2 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	A82DD9E5DCAFDF13205E70043E6B95A8	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-06-18	2039-06-05	33A877B701386F5F1F2424A21E6C14E36E2203DF	83C0A5A76844C840DFAF820FFD02ADF6573A26823EF6AF758A3384A0AC044083	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
102	1	CN=Certum EV TLS G2 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	29B6454D5DA249033BB37AA53717B743	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-06-18	2039-06-05	3FB601755A20F8D1B0269478DCA98CD1690CD7B3	3B28121D8985E2DADF2029C53F232007F0C19EC788654B2C2BAAEBE50419B0D5	- standard - SSL - SSL EV
103	1	CN=Certum EV TLS G2 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	C1753CEE5EC5B79144A8E3F3C9DDBF28	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-06-18	2039-06-05	E088FC58516CD61898A6189065931B61D4E0BB18	4736F1ECF26A043CB4D8F94DA8302EA9E45F3D311048F3A400D01AEED1E99444	- standard - SSL - SSL EV
104	1	CN=Certum OV TLS G2 E39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	2C036155FFFDE985CB7A0511D34E6102	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-06-18	2039-06-05	551D6A31B1C09090A35FD9052B47907891E4B13D	A248F04C5529A4CD1DAECA8177B7546530625E3018BCC5A53F647F9F587497B1	- standard - SSL
105	1	CN=Certum OV TLS G2 R39 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	002F7B22589A0DFCE2307C2CD6410DA5D1	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-06-18	2039-06-05	E879076D8D83FB9A796363BCA53263B3054172A9	F54CE21EA0F79548F1201A619049CA15F065E49A69F26FB9CF1282C7EECF9C4C	- standard - SSL
106	1	CN=nazwaSSL DV TLS G2 E29 CA O=nazwa.pl Sp. z o.o. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	B8FF01A8B6586AF72FE313D2D2B45F14	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2024-08-20	2029-08-14	A0EAD40B0F49FA4310E45BBFC023FF5C14CEA42C	7F02E351F89B119741B01D1371CA1B9C14ED8B34D640BA44EFC3ABB9FEBBE7C8	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
107	1	CN=nazwaSSL DV TLS G2 R29 CA O=nazwa.pl Sp. z o.o. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	A18B344928074C327BDA047EE59104CE	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-08-20	2029-08-14	F951FBC94BF32F5CCE0F0DC322D9B74B27BCC1AA	AA0C4B7801B09FB77E423C91331EFB62A5A2A8B23A9D7C997E6A9BEEA435D2BF	- standard - SSL
108	1	CN=JoySSL DV TLS G2 R33 CA O=JoySSL Limited C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	345E1A056C9ECFC801A11573497DEE9A	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-08-20	2029-08-08	BB4767B98E1C23566ED9C968D6ADD42D45202EED	43EDFB2C7C93E63D6566D240EB9C69CFF5C0D5C996C4AC9BCC9CE75828C3B9BE	- standard - SSL
109	1	CN=JoySSL OV TLS G2 R33 CA O=JoySSL Limited C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	DE05B81B5D2F6AD1ECC95BA3ED5F2B3D	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-08-20	2029-08-08	0AA174F878499E55560B17AD6016B04B232C3F1B	EF3653AC5056AA4C6EF72AA922F43DAF750CA901AD1198FEA1B81E0D10B51E0A	- standard - SSL
110	1	CN=TLC DV TLS CA O=泰尔认证中心有限公司 C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	AF4D6089D16ECE9A82F3F226A5C9A94A	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	63BDAD948CC49436101FA9DB751A9906478D3F48	AA985028EE5CF60287E86159B11DA578727E7C7433B2DA6F53C183D032A9294D	- standard - SSL
111	1	CN=TLC EV TLS CA O=泰尔认证中心有限公司 C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	419051280882D80366268B355359294D	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	60CF1F77C4E08E916730BAD17EF67BA052066E1D	2BAD3A42760061D221577E059B794A9A4B21F589ADE38BC280FEF790DC011E79	- standard - SSL - SSL EV
112	1	CN=TLC OV TLS CA O=泰尔认证中心有限公司 C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	AEFE3D7A96A8704FF6063F279C447CE8	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	6862374396BD48CC4878503475 5EFF83C5E613A7	DA99474EB4D1DA945FD6C13CD383B908E6F9BEA2E5108EB158F62EED8513C035	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
113	1	CN=XinNet DV TLS CA O=Xin Net Technology Corp. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	7F575682D641F8B8A78BF887361AD725	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	5F1ADFF3DC75D0B197395CDAD5D376EE7F060A03	305EEB4EB23FBCE99276CD08CA51FECCE6E96786C87F5AD84804AAA1F15CF8A5	- standard - SSL
114	1	CN=XinNet EV TLS CA O=Xin Net Technology Corp. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	FB6233E58AEC436769ECFFA78C19DE63	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	B1D3ADC299EAD980AB1C6B29FA0D1887FDD37A07	44489A469C5CF8B2007E2E58125DDBC24F4186EF3B1C75C2B219DDE6A64FAA7F	- standard - SSL - SSL EV
115	1	CN=XinNet OV TLS CA O=Xin Net Technology Corp. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	C22898E4722CE45FE5DC3A23A2E9CFAE	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	88E8836886F1BCB05BA10FB5F07BF31DEC708DA8	472CE6D110A5F3C58B6A34F307EFD5AF173402D6E25C109C455EE390A1C6E3C0	- standard - SSL
116	1	CN=GeoSSL DV TLS CA O=GeoSSL, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	5194CE6712E63F95F7B4AADF9396BEB7	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	E702D97A9EC4190371AA27B7B8770F93A1551BC0	B5C8E05AA6826A4E43ACC5CEBC652AD7A5D5FA158DC1C9211DD5C50184BD7A97	- standard - SSL
117	1	CN=GeoSSL EV TLS CA O=GeoSSL, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	E344E1A780B842A76925879F14315710	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	71FEB044FAD74F5EE54AFA06B27EAE30B92A1294	9E9A40D4DED044B0E40E8FD2D76C19E46FC5FC7F90BCAEBCFBC050AAF862CE75	- standard - SSL - SSL EV

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
118	1	CN=GeoSSL OV TLS CA O=GeoSSL, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	A1383FEBD1520265754E5204DE48520B	rsaEncryption	4096 bits	sha512WithRSAEncryption	2024-12-17	2034-12-05	1C3A70BD1FCEC7101E9BEDB86D49EDE68AFB5588	45C479E096C7C8BB2CB90E9D3BD6FDE3CA3240308E67D00DD64DF5BA06978800	- standard - SSL
119	1	CN=TrustAsia DV TLS RSA CA C5 O=TrustAsia Technologies, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	62DB2441F12A6415DB34E012E21C2C2C	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	331C484BCBBCC532799F79C809F320C9385F4F43	282C0E6401E5C33D1C89F2835FAE01B0F9585C51A71766FDCED3AA5B2222B796	- standard - SSL
120	1	CN=TrustAsia EV TLS ECC CA C5 O=TrustAsia Technologies, Inc. C=CN	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	C4B6DD589D238FC80F7F60FBD6A68827	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2025-01-15	2035-01-03	EE39AA1543E75AC547F1CA730B353B16835B723D	3ACC4CAD7718C2E5BF549BFE1DAB9234B2EB71C00E72A554759745A611D81774	- standard - SSL - SSL EV
121	1	CN=TrustAsia EV TLS RSA CA C5 O=TrustAsia Technologies, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	2A26E431FF549D133FAED1B1811F713F	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	7E3A0129DBC1E954B0766042ACF6FCC79F7BA2A5	A18CBF79E904E3BCC9D74D5ED062A46A90E2C7D89904114EC38B18650CD83E2C	- standard - SSL - SSL EV
122	1	CN=TrustAsia OV TLS ECC CA C5 O=TrustAsia Technologies, Inc. C=CN	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	3DE6F5C069A24A46BA47B2EFED2BD8CE	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2025-01-15	2035-01-03	9CF2CB25DF1223554B4CEBC75E868A1279A8EA01	C66497D671E53EE16A3D90A65C24A06FD7C0465E4DCFD4F8EF86B6CC75FC7760	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
123	1	CN=TrustAsia OV TLS RSA CA C5 O=TrustAsia Technologies, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	EFC7C750C7DDE552570AC78B9FCE1EED	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	321ECA3076255752D39D74EF7F8C81E0E5A45161	ABF95652710CE99ECFBCBDAFCDCA81F3865BA1F88161ADA61090E502A6B1667E	- standard - SSL
124	1	CN=TrustAsia SMIME CA 2025 O=TrustAsia Technologies, Inc. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	2E8B1C6883532694EFE243A3F83335	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	151995DD372B19373DEC853DB922D9808D3D609C	E802A9679975DAD283EC482666D82A7CE54E1086873510F5A4CC49BD913CECAC	- standard - S/MIME
125	1	CN=iTrust DV TLS CA O=iTrust, Inc C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	866441CCE9AE56EF2CB838C027FFEE6A	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	D75F82DA841AD7FD17FBFC00C0D3248084B43D6F	7CF26EB49E3999795959A80A7305EB7048D179CB15DD2DE897702EBA1F42C082	- standard - SSL
126	1	CN=iTrust OV TLS CA O=iTrust, Inc C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	1FC7068437F72BD3DD0EA2742F5FF4C5	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	7A7555016C1B218CA291C28332332FE5408CB078	553602422FD9B73B95DB5D78B24DC83EA58D046D93D4A9D87493AA706CE62F3D	- standard - SSL
127	1	CN=宝塔 DV TLS CA O=广东堡塔安全技术有限公司 C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	D21AD24C13255754888BB19C977A7754	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-01-15	2035-01-03	DB4C8938C427EB633F72F90AD4E942DDEC9973A8	7AEA9978F8E2030B972B7941DB2C0B67E9FF391A212E608F5AF3EAA989B059CA	- standard - SSL

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
128	1	CN=home pl DV TLS G2 R35 CA O=home.pl S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	AB0D6ABC69629407D2629660CB81DB3E	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-05-28	2035-05-16	CE4B2D89DE1FD479BDEE4D37C24AA0AFA147385A	CA1A6E0BC3B1C2ED099D42D7030577578D13F63B4B9680A6BAA274DF17C9DE58	- standard - SSL
129	1	CN=home pl OV TLS G2 R35 CA O=home.pl S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	11E58A7E407F3AB00B3EDBC5100212FB	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-05-28	2035-05-16	E879143F6F0AEDF75B6F3AFBF7B467E668D713EE	418B97140C71058A09E933B089D0D5683E3133CD5F72548F6C15A17579BA27DB	- standard - SSL
130	1	CN=AnTrust OV SSL G2 R30 CA O=Anhui Spider Information Technology Co., Ltd. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	12F490383E570B33AA8465128C1B1E0F	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-06-17	2030-06-06	E35356687987F537429944F9E10EE6802A275D56	B0E7145A48B9FAE4A499071FE9C4FA59032DF72E75955B2B3EFB79599E4A53E0	- standard - SSL
131	1	CN=Certum Document Signing G2 R40 CA O=Asseco Data Systems S.A. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	E822B4CC6F35F3DAAEFF13441E38BB0F	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-06-17	2040-06-03	C0CE80A7C6EB91A7B9EEB6FB8256642DD4F23825	B8ECE24174FDA6E7A29FAD6FEE123D03BB32C5ABC6424DD036EAEC7FA1021427	- standard
132	1	CN=Certum Client Authentication G2 E40 CA O=Asseco Data Systems S.A. C=PL	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	16FCABEB8BF3B1F955677DAA3B331A38	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2025-06-17	2040-06-03	FA03474DFBF269345E1BCC9C6CF5CCE49790C897	2B94BD83867AD92CDC7432D5B9D8AA5635A2974542510C36ACFAF9D91A2B7EBE	- standard

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
133	1	CN=home pl DV TLS G2 R36 CA O=home.pl sp. z o.o. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	0F453DCD31A9FE1F6564096CE96F05BA	rsaEncryption	4096 bits	sha512WithRSAEncryption	2026-01-14	2036-01-02	F6A6457A60F6E81540B920B5D2A6B1851EED3BDC	EC118EB8BD1B8ECCF0F8CAAEC1BDB9CD7AD495F756B94A58D09BEC62510EB679	- standard - SSL
134	1	CN=home pl OV TLS G2 R36 CA O=home.pl sp. z o.o. C=PL	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	EC9896B837F6ED99A23AFA7932D7E005	rsaEncryption	4096 bits	sha512WithRSAEncryption	2026-01-14	2036-01-02	F35274ADDCE591B4E985E1E4B9D1546653D1895D	53D56B6022FBFBC72CD9AC6706165D8AA1621FD98E047C4A8F62A58DAD2B2C72	- standard - SSL
135	1	CN=CNSSL DV TLS G2 R36 CA O=Henan Fierce Fire Network Technology Co., Ltd. C=CN	CN=Certum Trusted Root CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	81BAE1C2D034BE1C86805AB7618BE1CA	rsaEncryption	4096 bits	sha512WithRSAEncryption	2026-01-14	2036-01-02	F1EFB1794109F1E9158BE9AB2C968296BA51EBA5	C69DB01A92010CC036EEBC5B31268F0BEBD9B66F49105F1AD96F8FA6530F31B0	- standard - SSL
136	1	CN=WhiteSSL DV TLS G2 E36 CA O=WhiteSSL, LLC C=US	CN=Certum EC-384 CA O=Asseco Data Systems S.A. OU=Certum Certification Authority C=PL	839CA9953BCE17DB9AF769D9BAFBB01F	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2026-01-14	2036-01-02	C2BA3022D030CA06526F38CB216C50EA6C1DE765	436E0B7A910D045E7D87A00A320D66D7A4935D3C25EE906CA69CED227AB2CBF5	- standard - SSL

Cross-certificates

The cross certificates listed below are in scope only for the criterion 7.1 “Subordinate CA and Cross Certificate Lifecycle Management”.

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	0023e8290d71950418c008597e42f7481b	rsaEncryption	2048 bits	sha1withRSA	2008-10-22	2025-12-30	AA2630A7B617B04D0A294BAB7A8CAAA5016E6DBE604837A83A85719FAB667EB5	2D87FF20FE8AD2305DFB6F3992867ED2BF4FE3E1346212C4345991AAC02266E9	- standard - SSL - SSL EV - Code Signing - S/MIME
2	1	CN = Certum Trusted Network CA, OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	93928540016571 5F947F288FEFC99B28	rsaEncryption	2048 bits	sha1withRSA	2008-10-22	2027-06-10	AA2630A7B617B04D0A294BAB7A8CAAA5016E6DBE604837A83A85719FAB667EB5	949424DC2CCAAB5E9E80D66E0E3F7DEEB3201C607D4315EF4C6F2D93A917279D	- standard - SSL - SSL EV - Code Signing - S/MIME
3	1	CN=Certum Trusted Network CA 2; OU=Certum Certification Authority; O=Unizeto Technologies S.A.; C=PL	CN=Certum Trusted Network CA; OU=Certum Certification Authority; O=Unizeto Technologies S.A.; C=PL	1BB58F252ADF23004928C9AE3D7EED27	rsaEncryption	4096 bits	SHA384With RSA	2021-05-31	2029-09-17	6B3B57E9EC88D1BB3D01637FF33C7698B3C9758255E9F01EA9178F3E7F3B2B52	08E7EAC998A62C4155CC4CBC5EDA32F5B41A12C012F29AB3433BD366348149F0	- standard - SSL - SSL EV - Code Signing - S/MIME
4	1	CN = UCA Global G2 Root O=UniTrust C=CN	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	E5E470E83BF9A012394C7313ACA25593	rsaEncryption	4096 bits	SHA256with RSA	2023-03-08	2025-02-21	81C48CCCF5E430FFA50C085F8C1567217401DFDF	3DD69C5BE170F943F804D1D31FE8F916C0C0226CDDD7AEA9AA9A0CDFD3474361	- standard - SSL - SSL EV
5	1	CN = Certum Trusted Root CA O = Asseco Data Systems S.A., OU = Certum Certification Authority C = PL	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	00D8E0744B5824919FBD08847DF72020FA	rsaEncryption	4096 bits	sha512WithRSAEncryption	2023-09-19	2028-09-19	8CFB1C75BC02D39F4E2E48D9F96054AAC4B34FFA	FB13890C7AB14FF7B94B2714503E31123BFDD340FC4D979743166E0469B47A88	- standard - SSL - SSL EV - Code Signing - S/MIME

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
6	1	CN = Certum EC-384 CA O = Asseco Data Systems S.A., OU = Certum Certification Authority C = PL	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	DAFD4BF54121E027D68696225F1FCEE8	id-ecPublicKey	384 bits	sha512WithRSAEncryption	2023-09-19	2028-09-19	8D06667424763AF389F7BCD6BD477D2FBC105F4B	B72450ABF5047A8AF63EC9D87E331484850B1849A2550A82A86DB6B41ED38760	- standard - SSL - SSL EV - Code Signing - S/MIME
7	1	CN = UCA Global G2 Root O = UniTrust C = CN	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	BCAFE9189509E612F8252B74C0398792	rsaEncryption	4096 bits	sha256WithRSAEncryption	2024-01-08	2029-01-06	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BFA95C5DF164B659FA32F6D10564D7170DDE661A853A782E6AB63639433BCB41	- standard - SSL - SSL EV - Code Signing - S/MIME
8	1	CN = UCA Global G2 Root O = UniTrust C = CN	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	1D8A6FC17A0C81BCA26C435AEFA50078	rsaEncryption	4096 bits	sha256WithRSAEncryption	2024-01-08	2029-01-06	81C48CCCF5E430FFA50C085F8C1567217401DFDF	BB61408AED9F530B2EC0545E53BA2C8EBEAA57D9976447DB1663CED4600CD6B7	- standard - SSL - SSL EV - Code Signing - S/MIME
9	1	CN = TrustAsia TLS RSA Root CA O = TrustAsia Technologies, Inc. C = CN	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	B2DC4C34932D709CD4BF0B099401695C	rsaEncryption	4096 bits	sha512WithRSAEncryption	2025-10-07	2029-01-14	B80791795C06F446FD7B59CA5A2691A7452BF853	CE0DF856EA6CC0EBE068F55C4CC4DE77DEF45CACB2D4E946D8ADE706666F5887	- standard - SSL - SSL EV - Code Signing - S/MIME
10	1	CN = TrustAsia TLS ECC Root CA O = TrustAsia Technologies, Inc. C = CN	CN = Certum Trusted Network CA O = Unizeto Technologies S.A., OU = Certum Certification Authority C = PL	C64E96CEA27ADDBCCE6E566E52546349	id-ecPublicKey	384 bits	ecdsa-with-SHA384	2025-10-07	2029-01-14	2C8553BBB143CD32EA9EA387FEA298A8A693E910	FBE52F7D83E613D166F592A9227B08A9235E3DAA875FBA2ACD10A8C0D220DA2F	- standard - SSL - SSL EV - Code Signing - S/MIME

Attachment B: List of Bugzilla issues noted during the period under review.

Mozilla Bug # Link	Description	Date Reported	Date Resolved	Criteria
2007105	**Explanation about how and why the mistakes were made or bugs introduced, and how they avoided detection until now.** On 2025-12-18 at 20:09 UTC, Certum received a Certificate Problem Report indicating that for multiple certificates disclosed in CCADB, the CRL URL(s) present in the certificates did not exactly match the values published in CCADB under the field "Full CRL Issued By This CA". The Certificate Problem Report listed several example CRL URLs; the subsequent investigation expanded the scope to all affected CCADB records. During the investigation, Certum confirmed that the mismatches were caused by the use of HTTPS instead of HTTP in the CRL URLs disclosed in CCADB, and, for some SubCA records, by the omission of dedicated CRL subdomains. All listed URLs resolved to the intended CRLs corresponding to the respective certificates. CRL URLs disclosed in CCADB were populated and updated using established URL patterns that had been historically used and were known to correctly resolve to the intended CRLs. When CCADB Policy v2.0 introduced, effective 2025-07-15, a clarified requirement that CRL URLs disclosed in CCADB must exactly match the CRL Distribution Point values encoded in certificates, this clarification was not reflected in the practices used to maintain CCADB records. As a result, previously applied CRL URL patterns continued to be used for both existing CCADB entries and newly added or updated records until the issue was identified through third-party reporting. **List of steps your CA is taking to resolve the situation and ensure such issuance will not be repeated in the future, accompanied with a timeline of when your CA expects to accomplish these things.** Internal procedure was updated on January 15, 2026 to require copying the "Full CRL Issued By This CA" value directly from the CRL Distribution Point in the certificate and to include a mandatory verification step confirming an exact match between the CCADB entry and the certificate. A review of existing CCADB CA records to verify that CRL URLs exactly match the CRL Distribution Point values in the corresponding certificates was performed on December 19, 2025. A consistency check was developed on March 16, 2026 verify that selected data from issued certificate matches the corresponding values recorded in the associated CCADB CA record, to help detect discrepancies like those identified in this incident.	2025-12-19	2026-03-30	N/A

1958645	**Explanation about how and why the mistakes were made or bugs introduced, and how they avoided detection until now.** Between 16:30 on April 4, 2025 (CEST time), and 2:00 on April 5, 2025 (CEST time), there was a DNS service outage for the certum.pl domain. The incident affected most services registered under the certum.pl domain, including those related to SSL certificates. The issue was diagnosed and resolved around 2:00 on April 5, 2025 (CEST time), and access to services was restored thereafter. An outdated configuration caused one of the subdomains to be managed by legacy DNS servers, leading to its unintended inclusion in the DNS migration. A human error resulted in the delegation being updated for the wrong domain. The absence of tests, limited external alerts, and an overloaded monitoring dashboard delayed the identification of the issue. **List of steps your CA is taking to resolve the situation and ensure such issuance will not be repeated in the future, accompanied with a timeline of when your CA expects to accomplish these things.** During the remediation work, the initial focus was on removing legacy configuration issues that triggered the incident. CA then restructured infrastructure tests performed from external locations and added a dedicated test to prevent recurrence. A key change by separating domain administration privileges was introduced — isolating those used by Certum from those used across the company.	2025-04-05	2025-06-10	TLS 1.1.5, 2.5.1, 2.5.2, 2.5.6; CS 1.4, 2.5.1, 2.5.2, 2.5.6; S/MIME 1.5, 2.5.1, 2.5.2, 2.5.6;
2021685	**Explanation about how and why the mistakes were made or bugs introduced, and how they avoided detection until now.** The incident was caused by the absence of a properly configured validation validity parameter for S/MIME email verification in Certum's issuance system. The validation component relied on a configuration, which allowed reuse of completed mailbox validation beyond the maximum 30-day period permitted by the S/MIME Baseline Requirements. During the implementation of S/MIME Baseline Requirements in September 2023, existing validation mechanisms were assumed to be compliant and were not sufficiently re-reviewed against the new numeric and time-based requirements. As a result, the system did not enforce the 30-day limit at issuance time, allowing certificates to be issued using outdated email validation data. **List of steps your CA is taking to resolve the situation and ensure such issuance will not be repeated in the future, accompanied with a timeline of when your CA expects to accomplish these things.** A configuration fix was applied to the issuance system to enforce the 30-day validity limit for S/MIME email validation. An initial set of 101 valid certificates affected by the issue was identified and revoked on 7 March 2026. A secondary investigation identified an additional scenario, resulting in 32 further valid certificates being revoked on 12 March 2026. Preventive control was introduced by creation of registry/checklist of Baseline Requirements containing numeric and time-based constraints. Additionally production acceptance tests for numeric and date-based compliance constraints are planned.	2026-03-07	In progress	S/MIME 2.4.1, 2.4.10

2023190	**Explanation about how and why the mistakes were made or bugs introduced, and how they avoided detection until now.** During an internal investigation following the remediation of the non-compliance reported in Bug 2021685, Certum identified an additional issue related to delayed revocation of a subset of affected S/MIME certificates. This incident originated from the same underlying misissuance but represents a separate deviation, as not all affected certificates were identified and revoked within the required timeframe. The omission was detected on 11 March 2026 during a subsequent internal review conducted while preparing the detailed Bugzilla report for Bug 2021685. During this review, inconsistencies in the assessment results prompted a re-examination of the search logic used to identify affected certificates. Once the filtering condition was corrected and the assumptions were revisited, Certum identified the complete set of additionally affected certificates. Revocation of the remaining 32 valid certificates was scheduled. **List of steps your CA is taking to resolve the situation and ensure such issuance will not be repeated in the future, accompanied with a timeline of when your CA expects to accomplish these things.** Certum addressed the incident by first correcting and revalidating the search script used to identify affected certificates, ensuring that all relevant scenarios and edge cases are properly captured; this corrective action was completed on 11 March 2026. All additionally identified valid certificates were revoked on 12 March 2026, and subscribers were notified accordingly. To prevent recurrence, Certum enhanced its incident handling procedures by introducing explicit guidelines for validating the completeness of impact assessments, including mandatory verification of assumptions and filtering logic used during investigations. These procedural improvements were completed by 27 March 2026 and are intended to ensure that future incident responses consistently identify the full scope of affected certificates within the required timelines.	2026-03-13	In progress	S/MIME 2.4.1, 2.4.10