INDEPENDENT ASSURANCE REPORT

To the management of GlobalSign NV/SA ('GlobalSign'):

Scope

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

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its Certification Practice Statements and Certificate Policies as enumerated in Appendix A

- maintained effective controls to provide reasonable assurance that:

  - GlobalSign's Certification Practice Statements are consistent with its Certificate Policies;

  - GlobalSign provides its services in accordance with its Certificate Policies and Certification Practice Statements;

  - 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 GlobalSign); 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 WebTrust Principles and Criteria for Certification Authorities, version 2.2.2.

GlobalSign does not escrow its CA keys and does not support Integrated Circuit Card (ICC) Lifecycle Management. Accordingly, our procedures did not extend to controls that would address those criteria.

GlobalSign NV/SA
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Certification authority's responsibilities

GlobalSign's management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with WebTrust Principles and Criteria for Certification Authorities, version 2.2.2.

Our independence and quality control

We have complied with the independence and other ethical requirements of the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour. Therefore, we are independent of GlobalSign and complied with other ethical requirements in accordance with the Code of Ethics of NOREA (IT Auditors Association in The Netherlands) and the Code of Ethics for Professional Accountants, a regulation with respect to independence of the NBA, Royal Netherlands Institute of Chartered Accountants.

The firm applies the International Standard on Quality Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements. We also apply the '*Reglement Kwaliteitsbeheersing NOREA*' (RKBN, Regulations for Quality management systems) and, accordingly, maintain a comprehensive 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, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, issued by the International Auditing and Assurance Standards Board and the related Dutch Directive 3000A '*Attest-opdrachten*' (Attestation engagements), as issued by NOREA, the IT Auditors Association in The Netherlands. These standards 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 GlobalSign'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.

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

GlobalSign's management has disclosed to us the attached comments (Appendix D) that have been posted publicly 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 comments in determining the nature, timing and extent of our procedures.

The relative effectiveness and significance of specific controls at GlobalSign 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 conclusions based on our findings is subject to the risk that controls may become ineffective.

Opinion

In our opinion, throughout the period April 1, 2023 to March 31, 2024, GlobalSign management's assertion, as referred to above, is fairly stated, in all material respects, in accordance with WebTrust Principles and Criteria for Certification Authorities, version 2.2.2.

This report does not include any representation as to the quality of GlobalSign's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities, version 2.2.2, nor the suitability of any of GlobalSign's services for any customer's intended purpose.

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Use of the WebTrust seal

GlobalSign'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.

On behalf of KPMG Advisory N.V.

Amstelveen, June 28, 2024

drs. ing. R.F. Koorn RE CISA
Partner

Appendix A - Certification Practice Statements and Certificate Policies in Scope

Certification Practice statement	Begin Effective Date	End Effective Date
Version 10.0	March 28, 2023	August 21, 2023
Version 10.1	August 21, 2023	November 15, 2023
Version 10.2	November 15, 2023	March 29, 2024
Version 10.3	March 29, 2024	

Certification Policy	Begin Effective Date	End Effective Date
Version 7.0	March 28, 2023	August 21, 2023
Version 7.1	August 21, 2023	November 15, 2023
Version 7.2	November 15, 2023	March 29, 2024
Version 7.3	March 29, 2024	

Appendix B - List of CAs in scope

The following CAs were in scope of the WebTrust for CA audit:

Root CA			
#	Subject DN	SHA256 Fingerprint	Other information
1	CN = GlobalSign Root CA, OU = Root CA, O = GlobalSign nv-sa, C = BE	EBD41040E4BB3EC742C9E381D31EF2A41A48B6685C96E7CEF3C1DF6CD4331C99	
2	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	CBB522D7B7F127AD6A0113865BDF1CD4102E7D0759AF635A7CF4720DC963C53B	
3	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	179FBC148A3DD00FD24EA13458CC43BFA7F59C8182D783A513F6EBEC100C8924	
4	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	2CABEAFE37D06CA22ABA7391C0033D25982952C453647349763A3AB5AD6CCF69	
5	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	4FA3126D8D3A11D1C4855A4F807CBAD6CF919D3A5A88B03BEA2C6372D93C40C9	
6	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	CBB9C44D84B8043E1050EA31A69F514955D7BFD2E2C6B49301019AD61D9F5058	
7	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	319AF0A7729E6F89269C131EA6A3A16FCD86389FDCAB3C47A4A675C161A3F974	
8	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5CBF6FB81FD417EA4128CD6F8172A3C9402094F74AB2ED3A06B4405D04F30B19	

Root CA

#	Subject DN	SHA256 Fingerprint	Other information
9	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	7B9D553E1C92CB6E8803E137F4F287D4363757F5D44B37D52F9FCA22FB97DF86	
10	CN = GlobalSign Code Signing Root E45, O = GlobalSign nv-sa, C = BE	26C6C5FD4928FD57A8A4C5724FDD279745869C60C338E262FFE901C31BD1DB2B	
11	CN = GlobalSign Document Signing Root R45, O = GlobalSign nv-sa, C = BE	38BE6C7EEB4547D82B9287F243AF32A9DEEB5DC5C9A87A0056F938D91B456A5A	
12	CN = GlobalSign Document Signing Root E45, O = GlobalSign nv-sa, C = BE	F86973BDD0514735E10C1190D0345BF89C77E1C4ADBD3F65963B803FD3C9E1FF	
13	CN = GlobalSign IoT Root R60, O = GlobalSign nv-sa, C = BE	36E80B78775DDA9D0BAC964AC29D5A5EC4F3684E0C74445E954A191C2939B8E0	
14	CN = GlobalSign IoT Root E60, O = GlobalSign nv-sa, C = BE	43ED443C1F0CD46C9914B4272C24DC42CF6FE62B4AAB37585878A26D882AE4CB	
15	CN = GlobalSign Timestamping Root R45, O = GlobalSign nv-sa, C = BE	2BCBBFD66282C680491C8CD7735FDBBAB7A8079B127BEC60C535976834399AF7	
16	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	165C7E810BD37C1D57CE9849ACCD500E5CB01EEA37DC550DB07E598AAD2474A8	
17	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	8B0F0FAA2C00FE0532A8A54E7BC5FD139C1922C4F10F0B16E10FB8BE1A634964	

Root CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
18	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	4774674B94B78F5CCBEF89FDDEBDABBD894A71B55576B8CC5E6876BA3EAB4538	
19	CN = GlobalSign Verified Mark Root R42 O = GlobalSign nv-sa C = BE	CD122CB877C6928B9017B0F0B80DBD508196300BBD03CD7356C3BEEF524E7E0B	

DV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
20	CN = GlobalSign Atlas R3 DV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	1D2044E27BDC4411CA3FA340D082C1CC32B1366347D4063E898463AFAC3FFF06	
21	CN = GlobalSign Atlas R3 DV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	53F2F2D3C2F952555407B8BB77012229C2A4E47F73CB45132DC95F6CEDD4396F	
22	CN = GlobalSign Atlas R3 AlphaSSL CA 2024 Q2, O = GlobalSign nv-sa, C = BE	CE11B00AD38D3092E618048865D28B5EE82D367D7296DD83389818C55C77DA3E	
23	CN = GlobalSign Atlas ECCR5 DV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	D3E722A0520E72F756FDE9BDDF3D5649F6A85A40CABDCC937F77700A7C45E2FC	
24	CN = GlobalSign Atlas ECCR5 DV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	3B74D815D0ADD8BA412A3766C805E4F11F946943BE8F18A9D197B526FB4206BC	
25	CN = GlobalSign Atlas R3 AlphaSSL CA 2024 Q1, O = GlobalSign nv-sa, C = BE	10B3103D2F490D2BF2E95ECCFAE7D6466E089923486196E49431C88FF361D7D7	
26	CN = GlobalSign Atlas ECCR5 DV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	A79831D06B05530A5533526EAD1EF6E0D7FFA2BC52D59EEFB41B950AECC31CDB	
27	CN = GlobalSign Atlas R3 DV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	0152F86354FCA9525B280C233F7DA6CF8B5F2373C42644723226AE67238DB190	
28	CN = GlobalSign Atlas ECCR5 DV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	3C1B0BEFF052EC90997A72352E7D3DAAF90746B9A3C4D8987A5BBB9D0370E4B0	

#	Subject DN	SHA256 Fingerprint	Other information
DV TLS Issuing CA			
29	CN = GlobalSign Atlas R3 DV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	57A44D4A69023D95BEB89A61A426579F453BC146F2A998987F3C7216E78A4B9D	
30	CN = GlobalSign GCC R6 AlphaSSL CA 2023, O = GlobalSign nv-sa, C = BE	E46FB2A75097A345D4246DCF44A10DAA71D9FD0EBFAB61BA67E6DB84EE5B6CAB	
31	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q4, O = GlobalSign nv-sa, C = BE	AD4F4EFEDFE81378FD216E168EE1EB6972B9CEB796303E94BF76C5AF6350BDA3	
32	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	C5AC82D56F3DABBC7D2790FFBD4CD6BE07572CE47ADE456DB30FC48E60352CFD	
33	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	BB32B9044163D739E82233AEBC7EF3A23565B748242EFE0973098748287D9E76	
34	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	D786D22A7BD61D06A68586376DC1226063592F4D864AC4E7BDAE40AFB62238DD	
35	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	E0EE4B421D9059224F0CD3AD7BC9050B1DED78718A4AD26D8DE3FB40210F1FA1	
36	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	37D080A5E9A526663E56EE20DE4BD9F7952DACC341491439080167AD5DD18CAC	
37	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	8C2410F76B149CA062B420AB611B6BF0A06E6E799A29587E4D4EC16D0537B7EA	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
38	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BFDF4CF3F143AD0DB912D8AB3A7C12F617B9EA60CE8B1F4E44F74270FB21B19B	
39	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	EE793643199474ED60EFDC8CCDE4D37445921683593AA751BBF8EE491A391E97	
40	CN = Alibaba Cloud GCC R3 AlphaSSL CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	DFC6EE42E6A7B339DF178E566EFB5482AA1A460C586A32D67C9AB053AF2BE657	
41	CN = Alibaba Cloud GCC R3 DV TLS CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	38CBB87231F062A82D7ED2EF73FD4E4B84352EA7DD7F15686DE3A9414B7AE029	
42	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q3, O = GlobalSign nv-sa, C = BE	F709C820518D6C38595CEF8355DBE02D24163B9F843652BA2C31230FC5806220	
43	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	FC2811137DC86C7987D5665E22AC4A2741CE54B623DC58E80CE90EF8626F67FC	
44	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	CAAB391E482EE136BE74E3FAD9E3A1AC589EBE060B95508594876293EF87E7CE	
45	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	97AFE7C35378C386837676A134D7A1D472B72EF091F224F9986C8256A6D75296	
46	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	2FE4DAE370FCF2B58F0C75F2ABC49414B881F554ECF21485EAE73FEAA17B1DCD	

DV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
47	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q2, O = GlobalSign nv-sa, C = BE	8FF94F390EF3D4B472C53399E25D8CA74636F68264F456FF5F111CD8CB9C0FD8	
48	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	86E5811AF6678C23FE7133CC92A27E93CFB85682BE0C2954575E7A4D06285598	
49	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	FA41F99D084E19438144D4FA7457C89ABA1BBA150BFB9DC4BF9D4D73E6623C6F	
50	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	F5CA53D8790D2AC5E1275D2E10DD914A924F2004951144FB8C73556163A2652E	
51	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	771CAE51FDB06185F011B768F6469918854E9EFC5992D626399F8AEF3FC10DB3	
52	CN = AlphaSSL CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	7C4E90207B2B7CAEC080426CC469908CB27B925EE3B1C999C22B8568812FDA8C	
53	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q1, O = GlobalSign nv-sa, C = BE	D2DC5AADDC24B42C8E2CFDE756AF6B7A43CCAEFB75B9BD29AEE7C28CDE8CF1B4	
54	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	4C41707D884D7E7D3FDE3DF7C24C7FF6E46F9166651D82C3DA7C4798D7A0824F	
55	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	7EC4FDED077CDD799A439637FC88AAC9546A7B1AE9F4DB0AD71ACCBC752E7E89	

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DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
56	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	8CFDFAE1C0606B8E381AE6A2D4AFD1E50CEA63B652C2CB7314561D3353183369	
57	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	71D7D6011C10185939C69087DFD44E5AC28DA5A20EA77E650BF983E4DFB99D1C	
58	CN = GlobalSign GCC R3 AlphaSSL CA 2022, O = Globalsign nv-sa, C = BE	CAC12CEBBCCD240269AF886C3C5EC64622881D676C625FCB7D144DCB3552EBC7	
59	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q4, O = Globalsign nv-sa, C = BE	8146EAB73A6237D9F0668BA9C8BB4226E8257A54FAC41DB9626EA4F567ED4D1A	
60	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	710DE4D226429E1657C15042B3F404DE5BF6DEBFE00F77DFD671AEC67A374E48	
61	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	93AC271C0758A263A603567CDB6517D8FDEA13882154E0C41A75137C5613A222	
62	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	649BFB0BAA0E25655EDB410B6B6E073D5670E00CB76F390BD97EB26ACC0AA44A	
63	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	5CB88E6EFF315E275745B3C7288064A56142AB3EF9AC7067F1BB3D298FBAEF95	
64	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q3, O = Globalsign nv-sa, C = BE	89578D72697AC25ABC6F6D382387443965412AC7448F103C9B1D11AB63A555CD	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
65	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E6C18D6D008C712B3017DE1AE7659418983254B01DE4895AE91F3B29FF482417	
66	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	12DCFF9B60269E3B546C3FFB7E74BA58EB7EEBCBF5956771F784F7A582C2EA7A	
67	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	A8B2A4518A82A0CC0A60B2FB88B946557ADB4FA58458EC7680A77BB0E5334D8D	
68	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	EB5E6C1AE30A0F9B8C5769105BA9D6882E4ACCBA5E2F2F72AC388A2FACA0FEF3	
69	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q2, O = Globalsign nv-sa, C = BE	45F1854530EC037AAACB4B2DE9B4D0FDBFC61888ABD4EE0414183D99E60437AC	
70	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	15B63CDD772A8D42DC5E48174C1F7E3D40FC82C478DF3A6443C7BD92FBC6D5DE	
71	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	735CC386EC1A82E657A5B451C94959611D3C7D0CBB1FD9D9EDB42C7192F8463A	
72	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	7B063A9CD48767C475AA6BCED4667CDC56068F8B7B895125BC4EB24682EEB606	
73	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	2DFE47E144ABB39F9FE451CECD352D9A9BD28982351E8B6524FEB101DBAB1FEC	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
74	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q1, O = Globalsign nv-sa, C = BE	A04FA69E84CCD44F5E526B558631E346B21417D4D1B606A08CADE3928DBF1158	
75	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	92651CD48A0288AA3075354DDC15DC24D0AF8EE67015B68A145970A093475E19	
76	CN = Alibaba Cloud GCC R3 DV TLS CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	8F3E5D6858B927D284FDB85A1B15875CD78E63B820C20DDC539CCD84B0C1A6AA	
77	CN = Alibaba Cloud GCC R3 AlphaSSL CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	7AEDE5374ECA9FF34C5727C10DB982222D753157797449B88364F70EEFA0C24C	
78	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	727A9069A3C60D213584E616D5BF55DFD19C71A3976645EA6A73B18F83760D24	
79	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	D9E4A803FB498EEE9379FCF90AC3067AE65D098CC77890C37E575E249CD7D7C9	
80	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	A262F7D653E6C745EEABEBF6672A756B501A82F06708F2B5E77916217037BBCA	
81	CN = TK Elevator Atlas R6 DV CA 2021, O = TK Elevator GmbH, C = DE	988D6B2D87BAF43821C4D304BE2B0E8F325DC17B7A220E934F5C5B7BADFF8E1C	
82	CN = GlobalSign Atlas R3 DV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	1DD095449FFB3CFF14B2224D596B83FD42F2B47683553C797D11150C918691BD	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
83	CN = GlobalSign Atlas R3 DV ACME CA H2 2021, O = GlobalSign nv-sa, C = BE	B254F3CDEAF1D29AB53CB439E80FB996F1E90A283E9B5085B8749D18E4F5987B	
84	CN = GlobalSign Atlas R3 AlphaSSL CA H2 2021, O = Globalsign nv-sa, C = BE	11B6DB5B68DCDF34479AE7E7B7BBAA7165905577AD83D474F2BB9717CE244CEA	
85	CN = GlobalSign Atlas ECCR5 DV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	6916DA916EE1B1E98CB31EE94730EECD7F2C077965BDB8D4E16A3B81C58A29B6	
86	CN = GlobalSign Atlas ECCR5 DV ACME CA H2 2021, O = GlobalSign nv-sa, C = BE	61B30CEAEA0C8C6397C3599829809CB73CA8F817BB9CDF000D7453E442438028	
87	CN = CUISEC GCC R3 TLS DV CA 2021, O = 联通智慧安全科技有限公司, C = CN	692FE1B8BA2699531DE4CD2F52AE38FA119AB01F4B31AB78FE6DB3FDF03A7031	
88	CN = GlobalSign Atlas R3 AlphaSSL CA H1 2021, O = Globalsign nv-sa, C = BE	1ABC5AD5BC3911A5B4A91E42BBA3212E2AA3DC80147EFE1D49572E4BE0532633	
89	CN = GlobalSign Atlas R3 DV ACME CA H1 2021, O = GlobalSign nv-sa, C = BE	70F5C63C4F112837AB99870B0ECB5D722EEA0B0D0DDB9320B98B99B9BD137866	
90	CN = GlobalSign Atlas ECCR5 DV ACME CA H1 2021, O = GlobalSign nv-sa, C = BE	E7757BB0C4942ADC108D092A17B812B1043E06A094DD5E214920325556FC6924	
91	CN = GlobalSign Atlas R3 DV TLS CA 2020, O = GlobalSign nv-sa, C = BE	B65FE6A1BF2D52FF68B7D3E9D0F06B300A1C3F248309B70405CA7BDEC054BDDD	

DV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
92	CN = Soluti CA - DV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	5C452334D9C9C9A2EA42CC77A7165E1795EE9D84EB70CB784B47EA9D92A582D9	
93	CN = GlobalSign Domain Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	09BC1B137C031239EF788673E94EB17F5F3ECAB07D3ADBFB485E75ABFAAF3B9A	
94	CN = GlobalSign GCC R3 DV TLS CA 2020, O = GlobalSign nv-sa, C = BE	762538439509C411C437D3C567563E1378671281FC4A1464ADD031870843676E	
95	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	5A817EADA4AD78734EBB2CF674352D97F4352290C40EAF10E764B1EAC075B0E6	
96	CN = Keysec GR3 DV TLS CA 2024, O = KEYSEC LTDA, C = BR	F03655CFE85B3A3F2AF2FD37CAB9EA283B3A28A9B6157FE9BEB75C17C0611B3A	
97	CN = Valid Certificadora Digital AlphaSSL CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	04DE47A9CDD3091CFC5EF6AAA3B7D4B53E13C4D4DC02364F6C0B408742EC3C76	Expired on September 19, 2023
98	CN = Valid Certificadora Digital SSL DV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	FCF26FBC1B2A25A76AB4EA92B2CBEF367E0131091C802DA49898F78AE54B30F8	Expired on September 19, 2023

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
99	CN = GlobalSign Atlas R3 OV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	AB437C6B0CF76DFE3ED7001743680A15169B8D88AEC00A9F71A6C2824AE8FF41	
100	CN = GlobalSign Atlas R3 OV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	4DE6175F3B0FCA3722159DBBC1A78D0C495F6EDAF233040AAFC2559888C176A5	
101	CN = GlobalSign Atlas ECCR5 OV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	99E63B1A9E4C324664029C340275E308C61018CBC2E84CD8EA2366542EAA309C	
102	CN = GlobalSign Atlas ECCR5 OV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	0E6C52F16FF4E5A7532EF39A7767299F0E284CC2C6B64713C1FBA882098C5DF5	
103	CN = GlobalSign Atlas ECCR5 OV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	514A14C828B3AB160DD9D11861BBEBE5EEFA2A6CA0AB86003CD1A080AA36A9D4	
104	CN = GlobalSign Atlas ECCR5 OV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	4BE6BA403D6ECFB5E73820F5CA1948253205DB186E396D779AC6B41BC8A826B4	
105	CN = GlobalSign Atlas R3 OV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	C7AA7BDB14DD5EE2F9E6EC2367B64D500DE432E7BC51E9A8E4E9791B828CF65E	
106	CN = GlobalSign Atlas R3 OV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	79AADFB93F2C467A37EDC83B5DD55A200EA9C32D3DFB6FAE2017A2C7E3306DCF	
107	CN = GlobalSign GCC R6 OV TLS CA 2023, O = GlobalSign nv-sa, C = BE	3F6F57F1FE25B3D6F088F17704F7E376AE3A91151DCD8E1917CB3A41785B5F0D	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
108	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	FBBF50730E837A7436085C92483550FD65D85E0E4DFF121F77CF0F3B7C40BD4C	
109	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	67A9F71A282C4AD07586CA297B914926C2E1D331C5F64A46AFBD7D6378D89868	
110	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	C905CAFDED19BAB5742F3A32F6C3CDEFA4E49564A348EA84BE2D033610816EC6	
111	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	B8C5418C43F29D28CCEE6CC2795CEA84D0B22949B162597666F7893126C3CCF5	
112	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1C9737E968AD9DFF8D8D7FCF996A144BB97851A19011A0190C943CAE8D43CFE0	
113	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	74EF335E5E18788307FB9D89CB704BEC112ABD23487DBFF41C4DED5070F241D9	
114	CN = GlobalSign ECC OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	87C71553445EB3C33C3E0710711B99E9C7773F04D91AC38A9F4C082EE24101EA	
115	CN = GlobalSign RSA OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	B676FFA3179E8812093A1B5EAFEE876AE7A6AAF231078DAD1BFB21CD2893764A	
116	CN = Alibaba Cloud GCC R3 OV TLS CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	73360680F0C0DE2C542EB3DAB2B30764D54516C6501953C76D51A2F6EBD1C29B	

#	Subject DN	SHA256 Fingerprint	Other information
OV TLS Issuing CA			
117	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	405B1E8B6CBDDF1605C82D30AF52F02D8938873674ECA18A92ACBACE22610BDE	
118	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	4DE5FB201DAD1C9CCEA68648C2A9A03E53D5F39B5959D0608E707326F0C6432A	
119	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	CDACF412E2921C342B1943676433E60488E4BD39F193A9C22C12AA11B6796597	
120	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	6557A37403091987483D6789ED9CE4549312674B91F57572397AA76806F009D5	
121	CN = AC Defesa GR3 OV TLS CA 2023, O = Ministerio da Defesa, C = BR	23D5EFBFB41CE7B1F30BAB8A8F64AF85EDBB5D7A49C08D616DE4C47CADB03597	
122	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	7CFB624140EFD55D44A324D10721CAF48DC64755DB6D11920F8D2B512F7EB70F	
123	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	EBA6880A6D960A2692A05AA539EF1C8EC03B3C455308DEE5A0F6A4DC050EDEA3	
124	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	6564BF50F3520375B11F2A5BD432BB44E810ADC7EB2C4AD22F9CBE0C32B46162	
125	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	2127DBB280A2B296039D17E2E642EB9346C33990AB4298A664ADCA002FF67FFD	

OV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
126	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	BA2F574809F5FD3638F15A7E42DB3B465C8D66297B26451457F1633B7F762F35	
127	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	D413C51E43C6880D9F39A295C496D8B50B1F6A446363A7C1AFACA9B510E5C300	
128	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	4D048713242889EFF7F69C21359C6A9F211DD52C19E9BF3EAF3FCF5C8D178ACB	
129	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	B22FF48B90A07C0AE65DD09AB80DD44AEF1912421DFFB7301583C24DCB637692	
130	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	D54CD0DADA36808945D1E4E414322E00AB09B9A800DA32D6C2B34B2CA12B9CEA	
131	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	B7DD3E11DB6F04EF6BD1E98768C6805CCCCD1D37F8BD858B6D21645797147784	
132	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	C7AC7C5B8162E0F0931D1B2F7740C2284FF1595C10E82DB1EE3A1258F0A7406F	
133	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	FA6331BA628DF599BEB2243BDE3A15098587704E956FE50A7933ABC0FCF79EF7	
134	CN = Prodrive Technologies GCC R3 OV TLS CA 2022, O = Prodrive Technologies B.V., C = NL	1005370ED276B0CEF39244E9E699CE4807BF9ADE05BFA59F263809FB4606B72C	

#	Subject DN	SHA256 Fingerprint	Other information
	OV TLS Issuing CA		
135	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E68C3376F010219CCA14E337F33183EF9D861E573A9D76287F3AAAD4D04FA38F	
136	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	29E93053769D4D1BAB841B8F5C2603BED5E0B82F339670869566892146E89141	
137	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E4C2D8C6E54ECE1C996A305972B1AE0B064F105BE06CFD7295FD2DAE33B97E1A	
138	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	F06E2C3D05AF608C7BACB6366F7A47A017ADEC22F712BD417335396CB8B555BE	
139	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	A816AFFF746EA0F0A0A064C0432F9D2B7D0CE79EC2D1E9940F4A186A25182284	
140	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	AFDB3C396D85D19FBE58206DF0659EAE614C4AB18F5CCF20B783AAF0BBE96A03	
141	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	CB2C685CB214DCD2F2CDA6E2C155AAF21A7E134BC0BCE808B1130C459125B0A4	
142	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	D50B20ADFF959BFBEE83B6FD1FAB36FDE7941B960CFC6839AAC63B9FFDB46413	
143	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	F9D3214AD6F5D6D2B3C8161F96028B76812B058614A66786B92C8FEBDAC020EE	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
144	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	536A35A3FA630379CF3B4D4B4E1395AF9CFED2243138E634E4369A31E2872843	
145	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	218C470B78B02D39B84FC6892F5A1FE9C99D6B9A6B8B7471E039EDCFCA91004C	
146	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	EA532E6D78FF00FD4F56447F7E0A47D239D945424B77CF0D15A795CB4EE602BD	
147	CN = GlobalSign Atlas R3 OV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	4E1A564C71A04288970E53C037D1CFC25C1F9BEFC5276CF3BD501EE262F04202	
148	CN = GlobalSign Atlas ECCR5 OV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	90AF1B61A082662A639CAA68C6A3FB41EBBA3760C351A4A1E89FB6DACAD486FC	
149	CN = Alibaba Cloud GCC R3 TLS OV CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	31A096A1CB918876EE57C85B2349FC9CC2C2CB4FCF9BDD37787CE9DA57AF4790	
150	CN = CUISEC GCC R3 TLS OV CA 2021, O = 联通智慧安全科技有限公司, C = CN	C7F145D474F5DC20B27A64E1696179522469078B333FE8FF887B97CE7805E362	
151	CN = ATT Atlas R3 OV TLS CA 2020, O = ATT Services Inc, C = US	DC2728331312E75C4D7B442F3BDDA790CB77A9D6AC854D5BCE18AC43CA59909A	
152	CN = CrowdStrike GCC R3 TLS OV CA 2020, O = CrowdStrike Inc., C = US	78CB512DE48CEDCD7134DF57C973C1E1A07692B8F542A44ACEBB8BB776D55D59	

#	Subject DN	SHA256 Fingerprint	Other information
OV TLS Issuing CA			
153	CN = DPDHL Global TLS CA - I5, O = Deutsche Post AG, C = DE	32A4E554E363116FE48E22F01DAC1736752A71C720F99F462D565022D3BAD07D	
154	CN = RNP ICPEdu OV SSL CA 2019, O = Rede Nacional de Ensino e Pesquisa - RNP, C = BR	88FC18BD071BE1FBC53FFBC801F03F5B2C4DA87BBA0C098E2B4808F19EAB05FE	
155	CN = SHECA OV Secure Server CA, O = Shanghai Electronic Certificate Authority Center Co., Ltd., C = CN	AD7B58C3C5D9586BE5B62799C2792C4111C9852A96F7B0607221265713957E1C	
156	CN = Soluti CA - OV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	AB74B1411AD23E2227FB88A2A9304A1A45A5C4840B3635F1036A46E8374279AC	
157	CN = GlobalSign CloudSSL CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	E0C2EBD1F6BAD4FEAAE31A3107E69ABEE902DB38B9DFBE33F0570BDA3494C20A	
158	CN = GlobalSign CloudSSL CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	4B7334E1D8999822BAFA8FF6888125389B18A4E5AB26FFA624C7F68FDC81F0CB	
159	CN = GlobalSign ECC CloudSSL CA - SHA384 - G3, O = GlobalSign nv-sa, C = BE	B0CD6AE7B9E20EC5F830FEE01F666D5D90E6E229D06BC46A30ACCEDFEC889648	
160	CN = GlobalSign Organization Validated ECC CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	65EEC0CC6C970CC1CD73659115DC8D904E6F12E6DC8FD4DDA39D54CB30224780	
161	CN = GlobalSign Organization Validated CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	1E1741A12EB8DA2BD76EA96C04F520359839710F620E80952F48DD0240A12CD8	

OV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
162	CN = GlobalSign Organization Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	699D54B7482A5D329331EA0415CC2EDCD60FDA01D19E71D054196BCE0677735C	
163	CN = Keysec GR3 OV TLS CA 2024, O = KEYSEC LTDA, C = BR	8AFDA1ED73BF375DC6E097DB871BBFE4CEB68E61381C39BDF6A4576DC171BFB2	
164	CN = Trusted Root TLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	91F19CE503C9FE7FF9587D8EFBEF7315AAEE77DC2D14526126493B4AD6FE801F	
165	CN = Valid Certificadora Digital SSL OV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	6B4F9DE13678846730D50E914A08E7BE9B742CA3A0A7D5393367830B93A6F553	Expired on September 19, 2023

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
166	CN = GlobalSign Atlas R46 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	D5816A7FD5FA18D3E0C44C78273FA856BE0A3A993428826763E3A88086311986	
167	CN = GlobalSign Atlas E46 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	04E808603BE46B2534562E3DE237F4AE7ABE2B5E3141D8DEC470A822370D3DB7	
168	CN = GlobalSign Atlas R6 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	91DDDCB95C82585A3D8645F665CE7B8B606569F6941D33BD9DDA338A5EF6D4C2	
169	CN = GlobalSign Atlas E46 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	D78BE04CDBE328D5493489067B8DF1C57E65EA74D8888F08C711E815A6A11A14	
170	CN = GlobalSign Atlas R46 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	60B846638922190DE52C1AB044FD2FA88A9D6DF3989831C00C84296B8DB7A5EE	
171	CN = GlobalSign Atlas R6 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	020EEC98A3C1ED2D5BE21193349ACB9751DE071D6B452A489A6A867CE9B633E9	
172	CN = GlobalSign Atlas R1 EV TLS CA 2023, O = GlobalSign nv-sa, C = BE	BFB08828EB69B99EE7CEBDD687C8E883A1FE07D3F998347F92EE9356414AD002	
173	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	1DFFC2AD5B423DCC715DFE54AA117F2525974D9571FEA82819232807F4ADD4EE	
174	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	B97E1037E4CD5C069271600AFD1FF345EEAE1BC2C023A5FBA8B163260FCA5DAB	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
175	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	4959306BAE8C548D319D1855C34493F7AD00B9BAF824BDFD96FF2C3C32BDAEEA	
176	CN = GlobalSign ECC EV SSL CA 2018, O = GlobalSign nv-sa, C = BE	8F19FFE02FC795ED70765D1436ADDF772FE0F0773DA436EDBDB42A2E30E2E828	
177	CN = GlobalSign Extended Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	AED5DD9A5339685DFB029F6D89A14335A96512C3CACC52B2994AF8B6B37FA4D2	
178	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	40D44FA09A260E8FCD527293AA965F247B31E2104FA51B36D263B0479FB828F2	
179	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	2335D5EDFA507EB56B7DAC00F434D55B9565A6F968E4CD3AC01BAC2317A10B16	
180	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	D454487FBE3B2CBC10C3023E73AEE27F3E3640726CE7BB03BB4244B50CB2F4C4	
181	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	B95D0B51AAB7504D0F8780173B8C395DD718371BA61ADE30C11B1B77B33EC01B	
182	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	BA0DF2D121A739E0002AA19B5B2400F4204A324F28669356CEB0B1B2DADF8B86	
183	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	AEDCC1DBCB44D96F692BD451D76A3229839151D5BE82FE8D0D1B23030F48FB19	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
184	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	8D1EE31E047C9E604CF0603A9076DC45A7BD4D4AF4584D2156F03752626D8A6E	
185	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	A02C04DAB0B317A4910753F2F74E3C78B39AD210E5CB72870B278122AD35B265	
186	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	1083D57464FD5128B80B22965FA205E13168DDFCCDF17A7095F3BE0ED0AB3A91	
187	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	A34B15C8D1C296106ACBC14680160027B1FA49114C21BD99B3AE59BD8C4C7B54	
188	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	B050000CF749EC658A6B9ED8D4C3A393435644A327603FB036327E32A47BFBA4	
189	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	C1262AC6412075B2513AE5E563FCCEDB4B3E59B812695EE0CD87223A2C2D048B	
190	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	4006CDFF6D8D52DC090FF5382B9C30CEA8CC5005DF2D5E8203CD67921797750D	
191	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	0ED5AA0061D09B703E1B3150FB6367870BBF245CCEED4FE08F2DBE4201723A8D	
192	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	0C92594BD394B4887A1D66EC5E631FFAD3BA4B07FE2EB6D15D2F5FEE4C90C454	

EV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
193	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	5E2A73EE6069DE65322DCF0430176B385F5238C296EE4392E7ED7DB4BE908A40	
194	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	398DC562DC098CF75F3A151216E583380C279444B0D63E766D9FDF6F47D04C60	
195	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	256602DC8A8041B2EDC0CAE611A6A98D9B39AD4DE3E19F62DC0A0A1958B72271	
196	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	9C9D5E986B5BEA7A1EC8457EBCAA600D2435803B91FEC97C4E5043BE6742D4B1	
197	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	4CFA14BC7E8F48D4677B0604777AF76AB0C55B326F8B97BA95F6ACE115C05F16	
198	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	C9A74009DAE194A40BD122ABD015D44E93CB7879B0949054A31042EF4C99E5D6	
199	CN = GlobalSign Atlas R6 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	0ABB1CDE53CCAC170483DAFCD3CDB9F2622BA7E47D31EC0FD3DB271B4AAA5303	
200	CN = GlobalSign Atlas R46 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	385AA00A1848F807F665561E888B0D4F69614052D825F3C33970E00F4C3658DD	
201	CN = GlobalSign Atlas E46 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	44E683576E1C960D784D17BB2325C25CF1BE4E20470C31D9D73CACED496C95C9	

EV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
202	CN = CUISEC GCC R3 TLS EV CA 2021, O = 联通智慧安全科技有限公司, C = CN	9BFABD8D91284500B4D412C5725C87CB3A013F940FF1E62810E6929C69393ED9	
203	CN = Soluti CA - EV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	11FBA4A7EE579C70E1D57F9F9B6A8C209E1219C4F1D3846F83FFCE74E9E5E2CE	
204	CN = GlobalSign Atlas R6 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	BCE7091355D2417A37F8CFE2AC8F17C2748888BA0EEA90000FC980ECFC2D041F	
205	CN = GlobalSign Atlas E46 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	364DF25CC88F6FB0202C02CD9B8EA02DFE8AC02341EFF5A9DFFC5BE159ED5991	
206	CN = GlobalSign Atlas R46 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	E1E15D289697AF3285BF34112A3E60BC11C0C8122DD2B9B3420AB2E5E57883CA	
207	CN = Keysec GR3 EV TLS CA 2024, O = KEYSEC LTDA, C = BR	9173EFAEA4E61855EB858D107DBA94A1CD18CAE00EAF9C7EDB57201AD99A9BFD	
208	CN = GlobalSign GCC E5 UK EV QWAC CA 2021, O = GMO GlobalSign Ltd, C = GB	0966A88729C938F9DCD65BB3C63B608618EAE5183ED1FED752B323089687A20E	
209	CN = GlobalSign GCC E5 EV QWAC CA 2021, O = GlobalSign nv-sa, C = BE	0DD2C7E0AF8200F49F4192A89AE634D4CE41B80C63B0629CC68E538C316F020E	
210	CN = GlobalSign GCC R3 UK EV QWAC CA 2020, O = GMO GlobalSign Ltd, C = GB	A33017D9DF494C09D58709107403AEE461B9461E81BA395C28C36693C27D1986	

#	Subject DN	SHA256 Fingerprint	Other information
EV TLS Issuing CA			
211	CN = GlobalSign GCC R3 EV QWAC CA 2020, O = GlobalSign nv-sa, C = BE	D4A5941C7141ED1949A0C6CE9DD45A0AB94DC337902EB0A1209852738EEBE854	
212	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q1, O = GlobalSign nv-sa, C = BE	4D81D18D57CDA96440CBFD0FA05CC387B7C69DE3A9E68B4036E1168EE2B7BD21	Revoked on October 20, 2023
213	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q2, O = GlobalSign nv-sa, C = BE	ED2B6C6F6C669EEC6C158B0FD61E4454185C42842523866F3B3EE9B1F0F62882	Revoked on October 20, 2023
214	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q3, O = GlobalSign nv-sa, C = BE	0DA5820FDFE4FCF9B9F94C140DB0F06D670D86FCB1BDD9597BCA8731532F353C	Revoked on October 20, 2023
215	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q4, O = GlobalSign nv-sa, C = BE	4EF99E6A8B14F69938715371B1D853472534CBF595A743CE993E7B386F99B895	Revoked on October 20, 2023
216	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q1, O = GlobalSign nv-sa, C = BE	F9120A71D50697B9992A7357A0A9A0DDC4BFC3598FCB4F01642964824D3CF276	Revoked on October 20, 2023
217	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q2, O = GlobalSign nv-sa, C = BE	F4C5F3956379493830DE7456E0A55D6FBC1B8EA08B756488FF005B6C394A69C7	Revoked on October 20, 2023
218	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q3, O = GlobalSign nv-sa, C = BE	430B172A6F7146B16A75BCC5BFA1D60C61DEEAA2ABAC61B4394E4A6B291C48CC	Revoked on October 20, 2023

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
219	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q4, O = GlobalSign nv-sa, C = BE	2DA52277662DC1C779E2439FAF58F85F87DBA73E0F16F1B0EB310A4919CFC3BA	Revoked on October 20, 2023
220	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q1, O = GlobalSign nv-sa, C = BE	F2BC379B1EF45624D8F822B6E359502D470F384E53C082F7AE21869C13A5D345	Revoked on October 20, 2023
221	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q2, O = GlobalSign nv-sa, C = BE	250AFA50B60D30D1217D00E7DD8CCE6B51F5C0B6A6369324842C37DEB44F9715	Revoked on October 20, 2023
222	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q3, O = GlobalSign nv-sa, C = BE	9D51DC2750A13BD627D99FDCC720D1904FE81059110BB9DE11B039A4B2ECA531	Revoked on October 20, 2023
223	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q4, O = GlobalSign nv-sa, C = BE	451FA3A18064B4DD03ADFE8B8BBF16258CB98A1A6FEE5D6B0A37C98A0B5E6DAE	Revoked on October 20, 2023
224	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q1, O = GlobalSign nv-sa, C = BE	A7DCFD3D09377C39BA3A7F630E052EC593E9726D1DA57229E599D15AD6DCCA7B	Revoked on October 20, 2023
225	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q2, O = GlobalSign nv-sa, C = BE	A40C91E466D62CDB32B7139E8748F0EB5A817F6BB8A9F999A7A9BF4306D6D5D5	Revoked on October 20, 2023
226	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q3, O = GlobalSign nv-sa, C = BE	29C840D062AC862DB4D20928D2AEFD83B35A46BD4533995FF2EFD3E3EE8CFFD9	Revoked on October 20, 2023
227	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q4, O = GlobalSign nv-sa, C = BE	B51D85A08FACB06F97FDF58563749003033EE77DD583986204499197CA8E7077	Revoked on October 20, 2023

EV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
228	CN = Valid Certificadora Digital SSL EV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	8AEFEBD88BE87A30B19C60C5BD0FB5E9FBCD15D5582D5FC9A7499578D68DCEC0	Expired on September 19, 2023

Non-EV Code Signing CA			
#	Subject DN	SHA256 Fingerprint	Other information
229	CN = GlobalSign GCC R45 CodeSigning CA 2020, O = GlobalSign nv-sa, C = BE	74D499A72D0BA5D4DDEC55805ECF157C891E45E5D490A19DC5FD4476954E774B	
230	CN = GlobalSign CodeSigning CA - G2, O = GlobalSign nv-sa, C = BE	FFFE077503FD72F0E5338B0A7B4E218E7D1FF82E493E7E852AE51AA1C7585D17	
231	CN = GlobalSign CodeSigning CA - G3, O = GlobalSign nv-sa, C = BE	4047C9D69260C07213BCB8608A7EC5E2838A56B79F67847812EAC0778D0D27F1	
232	CN = GlobalSign CodeSigning CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BE40813869AB27A071D12AD6A8830583EBC3B618E3F2346359F4B11A1C9434EE	
233	CN = GlobalSign CodeSigning CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	FB54EEA9BCE8E9EA9782154F3D414277FB709F49B947D73978AC278546C2CE03	

EV Code Signing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
234	CN = GlobalSign GCC R45 EV CodeSigning CA 2020, O = GlobalSign nv-sa, C = BE	CD0E144DD10BAC221FE2FB901058D16450A0578B3C47C770908F2E9ADA28EF12	
235	CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1E864278C20881B671C0C6D2E14B61150AD1F13CF92C6EC14B550DCBC47E1541	
236	CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	DD038E87E0B4D2C369680D3DE78638AB39FC1D7E50632996921101768DB8D4D8	

Timestamp CA			
#	Subject DN	SHA256 Fingerprint	Other information
237	CN = GlobalSign Atlas R45 TimeStamping CA 2022, O = GlobalSign nv-sa, C = BE	0C74179FDE6EFAD4A052C55DF08304843056 0483706179F305102E0C74B96CCB	
238	CN = GlobalSign Atlas E46 TimeStamping CA 2022, O = GlobalSign nv-sa, C = BE	FE7C73361732C6C64739FA83A1D7C781EE1AEA990A605AD2FC72FB9586A452FC	
239	CN = GlobalSign E46 AATL TimeStamping Root CA 2021, O = GlobalSign nv-sa, C = BE	2A34A0225DBC82845E8C5F2F13897179A9B2D91E74D93BDE0021F4F89804E59F	
240	CN = GlobalSign R45 AATL TimeStamping Root CA 2021, O = GlobalSign nv-sa, C = BE	3A6224E6EF98D0C4770C229E89CFA346623DF5A250D4B68D04CD5DA4BD85C4CE	
241	CN = GlobalSign Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	F642418E4D0C63DEC785C960EFA68BA745F38851744EF81F225CB89305314D50	
242	CN = GlobalSign TSA CA for AATL, O = GlobalSign nv-sa, C = BE	4D8EB49380EC72AC9FDF21FE1C6DB2E9490C76BEADD1F7B528C3CCD272C8FE28	
243	CN = GlobalSign Qualified Time Stamping CA 2019, O = GlobalSign nv-sa, C = BE	74ABE5E5CCEB75491FF72C4CF325405D8ADBFE390E189CF430BA60E62798878E	
244	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas ECCR5 Qualified Timestamping CA 2020, O = GlobalSign nv-sa, C = BE	E55A4FE881A4B0433674EC0E5CC261A99CCE3FEF649528C7218085BEDCD11512	

GlobalSign NV/SA
Subject: Independent Auditor's Report WebTrust for CAs

Timestamp CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
245	CN = GlobalSign Partners Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	2A015531A5F3A4CE589BD853C71DD069587322F574D85C9C9B9F9DF8F86C075E	
246	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas ECCR5 UK Qualified Timestamping CA 2020, O = GMO GlobalSign Ltd, C = GB	40382F8827B75D25705A6B3DA32533C5F4218BD7FA697CB0B300E8F47047FBC9	
247	CN = GlobalSign Atlas E46 Qualified Timestamping CA 2022, O = GlobalSign nv-sa, C = BE	FE0FC91A867975373ED2872CB3BD3DB708256D7C3A978486AF001CC008C1EBCC	
248	CN = GlobalSign Timestamping CA - G3, O = GlobalSign nv-sa, C = BE	95C6A747DD0BC755A1941827E894B8083592241B792541E2EB1B30FB9B13F57F	
249	CN = GlobalSign Timestamping CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	BE33D1C57EBDDD927B57BDB604BE457B552FE568E7F3DCBA093C39ED1C30A239	
250	CN = GlobalSign Timestamping CA - G2, O = GlobalSign nv-sa, C = BE	C977923C771E1A66C925A2B6F501732E678DC9887AFE6BFAAC039D1D9A71F0EC	
251	CN = GlobalSign Timestamping CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	9BF9496777D14425ED0086C1BB2C0707B62A61C194C5162E4F07637AFF166B76	
252	CN = GlobalSign Timestamping CA, O = GlobalSign, OU = Timestamping CA	D0CAE6947BC77F0B495CA808D6CDE685FCD20225E1E530B635B113ED40728EF3	

Timestamp CA			
#	Subject DN	SHA256 Fingerprint	Other information
253	CN = GlobalSign Timestamping CA - R3, O = GlobalSign, OU = Timestamping CA	61C1067083AE044EF1D649CE590BBF09D9D739E025DA8D195F71CFAAD6EBAE69	
254	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Timestamping CA 2024, O = GlobalSign nv-sa, C = BE	984721239B82A5630CDECA98C0AD5B384FFB0E9DFF6767A0390510982AAA1AFB	
255	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Timestamping CA 2020, O = GlobalSign nv-sa, C = BE	D86E6264D58E4CA78AF419740D8186EA8EC48F0C33B4B4D7CA027931D627B1C8	
256	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas R45 UK Qualified Timestamping CA 2020, O = GMO GlobalSign Ltd, C = GB	4C03F2D6941F2DFCA27EDC599F385E6CD3FFD0CC842F2CCB95B77580A2D1FF93	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
257	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	D531F24E655D1F28A344BD3E0E9B141CE88A4139C61CB0CF5184EF2E2B9531A7	
258	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	DDD73ABF0259F18F77CA598C2745EA18243526B10D371D7E3B088D68C88C0A97	
259	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	90D87E23B012A357851472CE9F4E49201F67BA9EC1FB9CD236C0C5AAA15FFE9E	
260	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	814179F36A71529C915C540261E44638E37A4FCE879740F0CE7351A8E9291A03	
261	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	0E95B3411E3806ECF7C4C6026956F3E5F3EB1EC096C0F982CAD30ECB37AFFC85	
262	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	163B5F69720164075C16CE760A93C85D5073CD5A0D41C7A3AFB0B5E75B3DC646	
263	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6F9C3FC5636C7E800EB1BDDFD33AAF98495C130DBF48F9BAF4AB7A1F665DFB4	
264	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	7C4E78C74B4818D17EF8B8AB91E32DB4F7E3CE84A0C5E47AAA62AE39FAB60D01	

S/MIME Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
265	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	B75840FEA15C545335CD4BA58B707F53524CE984655AEBCC248A57E6F2403A8B	
266	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	BEE8FB99D7B9EC0CAEF1B1A6ACFFEABD777E31CBAC2D0E1846BDAEC4D5B18BE8	
267	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	3EFEC6B78BC4864625AB1A3D286AB0A4440D86DB98E07891859CCE3CE7BCA3CA	
268	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	C50DECEFBC246CB07F4FEB282A7633337721F787F8EB68D897F05284FF94FA8A	
269	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	A2F5C0CD7364E1123B21556FB7999BEA8E9F0AEF399A3544CD12EB83C238BA1E	
270	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	A4819D67CC975AC71BC9315FA08DFA5AFFB9A537D79A6865FEF574F28ED5B52B	
271	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	19B57472F46A480A721F03275647D4E5DF7FC790BCF7603DD5C8F9F35F7DE117	
272	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	5B92AF30724309D82A1DEDDFB0975A336A7C7A45DDCAB6E0D24A48EBC49575B9	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
273	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	6390D54F26A13B6511B25130EC0580987AFAB843F15A1E16695AA456BD36C043	
274	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	31BBB081F0B0811DB4AE11A7D2B36168A98DE8230253423F13B5B241A0E8C707	
275	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	65BAE54958A42CD00D08DA3AC63641B3D74F2B38C1EC14F29CFF13A7136E88A9	
276	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	487A1BBFE1106CF575F04196CAE3D987D990A29640F4CA5C8994830131541DA1	
277	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	CCBED114280CFAA28407DF31913F99CA2F212B52E52CD3E150F8CD448EE459C3	
278	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	CDA61B2C3AEDD28FEEC05F6D0AE4102A1BD001CB4ED7F590F4A0B4B1EADD9B02	
279	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	1E95983E605565A3647135FFF16E28070E037CDB8AF714D06C9CFBD0BB285D35	
280	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	DB8F5C248790FADCF1A3F405F1163C977B643056887CB6469D674AF5CEF46B5A	
281	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	3FA4A9B65FDF6876FE668DFECC434932EBC254FD741119FC432A5989A085F320	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
282	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6FAD88040CA2A7301B7ABA5094E9610B344368C2D37A99D0EDC6F0CD534B297	
283	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	E733E7E3E4AA765948CF4226391B49A72A0FEBF511E52DF96DF28398AFF61816	
284	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	6C450398A321440532FE2FA41B31ABF13ADA8A94274D0397E6F24D18CED77A66	
285	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	6FC0296F355073DD3622150FB496EB455C8C547146191076C5AF76FA9C36C238	
286	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	7BB16E460DFF6DBC33D941D5552D494B71E776B79FFDE7A5C0413F64A768931E	
287	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	9506357B3B18E56BAEEBE95B7B9CB873A7C8AC973239DAA4D0BCEAAFFC527404	
288	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	6A9BE0304446B285BC45477B0C9495281E4F99FF4E4441DCF8AE16C0E49F3379	
289	CN = Riksgälden Insättningsgarantin GCC R6 SMIME CA 2023, O = Riksgälden, C = SE	B0959E4BF3FEF426496F44615FA955359DEB6C30D0A67866FCE40FF3122F7F4F	

#	Subject DN	SHA256 Fingerprint	Other information
	S/MIME Issuing CA		
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
290	CN = Trafigura PTE Ltd Atlas R45 SMIME CA 2020, O = Trafigura PTE Ltd, C = SG	36FCE16CC976727765DF5E9FADB12C544D704C35150D1F17DDE1A42A85B88BE4	
291	CN = FIFCO Atlas R45 SMIME CA 2020, O = FIFCO, C = CR	80642AAC7C782BCDB0C3F6F385488F9BE3BB2DE30B863009E74B29F026C9EAE6	
292	CN=Quálitas Compañía de Seguros S.A. de C.V. GCC R3 CA 2020, O=Quálitas Compañía de Seguros S.A. de C.V., C=MX	795A8468D098E3729E6A17920AA6D8F27E84DC180F85C9B28A77FB368DCC7895	
293	CN = Accenture Federal Services GCC R3 Global CA 2020, O = Accenture Federal Services LLC, C = US	9D61B40ECFE094B415FBF6AEEA1FDB27A1A4C3B6FD9008D768777D6D7FBAAEE9	
294	CN = GlobalSign Atlas R3 SMIME CA 2020, O = GlobalSign nv-sa, C = BE	479D6A0980722966237F06C41842EE796B55D4D00A0D663B785D48433A29156E	
295	CN = HERTZ GCC R45 SMIME CA 2020, O = The HERTZ Corporation, C = US	013C13426B92F703BA573D9E16C2E35AECA26C60F606B88D3CE2150C94D56C14	
296	CN = EY LLP GCC R3 SMIME CA 2020, O = Ernst & Young LLP, C = GB	3A093122808FFFA440E19824D0BC7CD6B01D8D8277F7F42FA16E80A0205D4A7A	
297	CN = European GNSS Agency Atlas R45 SMIME CA 2021, O = European GNSS Agency (GSA), C = CZ	F4EFE27C6B037747B3A89E23EE23C1B70A24DEB53B2E02F423BB0F73E1822267	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
298	CN = GlobalSign Atlas R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	4A50CA65DB216AD62D260C5EC1D9CAE225E7BF961329817E0E93B97DEC3D277C	
299	CN = GlobalSign GCC R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	36D7314848ACCB3E4C5792D1B07120B1035BFB8B67E6600952D6745F5D6E22BD	
300	CN = Hyperion GCC R3 SMIME CA 2020, O = Hyperion Services Ltd., C = GB	9537738522B6A87FCF8338CF270203CCF1A7770BB14BB23FA2882A05FFB804E4	Revoked on June 28, 2023

Other CA

#	Subject DN	SHA256 Fingerprint	Other information
301	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	33EF151EFB08D1C44FB85CC3F23EC6873014E9F881691BD4938B7F251580B694	
302	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	05E0634B1FEB98AE6B4CF101728CF9D5A1793CEACE301506FF332B22D4CF08EB	
303	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	C84E1378B974A991ACDCDD733421E3061E6FA21A0491C8902BAFDE3855E0063E	
304	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	F349954E8FB6D44011BCB789D97D9A2CB2032BD5F0B598D1FB8A099F5848D523	
305	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A5E33C28E3013A71F5F760AE3B16595090043D2EC5209EC52903C4FBAD258DAD	
306	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	DDA8DA736187D76F4F0ED5A5F667B54D99A98AE06091D0E3A01714E9221695AD	
307	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	0F1554C2FD591B0256A608E1C136A837E7A6E041561EE08A911B2AFDCD3C6C1B	
308	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	6385DDCD1B768648267EE5122897CA085FC45D6030ECB55098F583AF152AA4A6	
309	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A63C1398B5F8DD2D432FBE4C2C19142BEA6D5D0221FAE794718AE7597ACCA96D	

Other CA

#	Subject DN	SHA256 Fingerprint	Other information
310	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	3F319B2AFED4A0F75127BE59925550D0428E68763A09E273EB6A9FF8D18DBB5B	
311	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	45CB1D874CB03BD5C5B6E079C8FC29E51521EE5628486301964A41F94BA59F88	
312	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	1DF6054D6641404633641BB5FA3742FDA7D075E2514840AB61E00CCBBB7D341D	
313	CN = GlobalSign GCC R42 Verified Mark CA 2023, O = GlobalSign nv-sa, C = BE	0FA93B3456322B7672C6B9616E09944E091E9DBDC63FF029B110400688CD4983	
314	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	445EEC78BC61215044A0379656AA2D5DB5E42F76CB70B8D14C2077AA943D4EBB	
315	CN = GlobalSign Partners TSA CA for AATL, O = GlobalSign nv-sa, C = BE	7E8F914119BB1090D6204908E5AE1F40BE24C1491CD7D5CFB6A93618CBC00FD9	
316	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	3DA135562E942799D547CA72EA57D7AC03791B24D4E24BA2E1E1331E8A1678F0	
317	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	5268C94573AF66BA5A3DE979F2048DE43BD4B68AF0B73A2D639159FAFE637F69	
318	CN = GlobalSign GCC R3 PersonalSign 1 CA 2020, O = GlobalSign nv-sa, C = BE	583C7FC250856B7F947FC7CC076FE216273CA1713D122C2E5D8F6038FD6E3562	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
319	CN = GlobalSign GCC R6 AATL CA 2020, O = GlobalSign nv-sa, C = BE	75CC6021036890EAC71853FAE8382CF8DB33DC41706F42AAFE421E98AD38174C	
320	CN = JCAN Public CA1 - G4, OU = JCAN Public CA1 - G4, O = JIPDEC, C = JP	9AC4C8E358C095C998122ADD17A336C0AC597ECBECB7EDC3F58A75040CF94A5F	
321	CN = GlobalSign GCC R3 PersonalSign 2 CA 2020, O = GlobalSign nv-sa, C = BE	F0DBB9E90E6643CCB23660147E5DE24760440089D96F4AD0D82F66C3E7DA5C20	
322	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	F375270F2F216B9F62CC31795619F6FE1943DF65D1B198D3341170A40725BFC7	
323	CN = GlobalSign CA for AATL - SHA384 - G4, O = GlobalSign nv-sa, C = BE	AC0AB963BB5F3DA05FBC8687F98C2B6EA0BB499E6118C1A9136B1BC7C3C71A6B	
324	CN = GlobalSign Code Signing Root E45, O = GlobalSign nv-sa, C = BE	E506B72BB97A14D24959A0D1A977E1ACDB6155D68FB4846885E544D147E7D577	
325	CN = GlobalSign, OU = GlobalSign Root CA - R6, O = GlobalSign	75BFB522CC4B58DA22EE488517C5F2EFF92576D20F595F9ACE483A036FC1BB6B	
326	CN = Trusted Root nonTLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	3A30D4A3043F195609E30F747754699CC6CC97E1F5FCB83DE87E659E579E39AD	
327	CN = AbbVie Atlas R6 AATL ICA 2020, O = AbbVie, Inc., C = US	6509F94BCA4DC619F3E732D533ACD3D0F10ABA102A13123B6AF737C8E12DAA21	

Other CA

#	Subject DN	SHA256 Fingerprint	Other information
328	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5B87841E80AAFE877804E56694473DCA8BB9F1FF4FFCF885A3DAFD24463FCB64	
329	CN = GlobalSign Timestamping Root R45, O = GlobalSign nv-sa, C = BE	6AFBC07C724C6F75C7743392F32BF5780BD5DD39268544D4882E7AEC1ADD0282	
330	CN = GlobalSign, OU = GlobalSign Root CA - R3, O = GlobalSign	2510E248903F01B63F9398179E5506979F0EF507E4174B657AF6F770A417EC94	
331	CN = GlobalSign, OU = GlobalSign ECC Root CA - R5, O = GlobalSign	0AED971671F8FE67EBA28817550AFEE946FDC2C52250003A6CFB87BC5AAD8A04	
332	CN = GlobalSign Atlas R45 AATL CA 2020, O = GlobalSign nv-sa, C = BE	65573E11BB13C6ED115E0B90E2C30B1E4DE4D5CAC1B31EAB2D417C32A3DA5D79	
333	CN = GlobalSign GCC R45 AATL CA 2020, O = GlobalSign nv-sa, C = BE	BCF8D9040635C95E84F9FEDDF36F9422C0D215C23798E9C2D5F3798ECF27B68A	
334	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Remote Signing CA 2020, O = GlobalSign nv-sa, C = BE	323F35F0DFB01D6B478C24026C66852AAD3E96DCB1C5BE17C1DA1EC47D77CC87	
335	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas R45 UK Qualified Remote Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	0958E7A84F392A4F3B7DC5E30FDC8DF733E69B44C68C16FC0DA1741C08419DA0	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
336	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified QSCD Signing CA 2020, O = GlobalSign nv-sa, C = BE	1B728D4A76506634A11007912F1D8C6B9AA39BE1AFCA49096657CF1FFB4513BF	
337	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Signing CA 2020, O = GlobalSign nv-sa, C = BE	4E1474CFEB41D048C7E1E2C975D69AD3FD739BD44577A80D0432F233D51C5C77	
338	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified QSCD Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	91F881C556A920B92C4C48221FAAC19615437CF4ACB7D079C0B426BF3483B3AE	
339	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Remote Signing CA 2020, O = GlobalSign nv-sa, C = BE	5CB0FDEF052BD18A0A40ADA2235F46EB42B6D0993ED5A50DE47E3EA12FF191B1	
340	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas E45 UK Qualified Remote Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	B89EBBFC57AE60653C676B8EB399DC9415BBB738CB0370651A86BFF075C83A39	
341	CN = GlobalSign E45 AATL Root CA 2020, O = GlobalSign nv-sa, C = BE	87903E20623512D28BDBFACE4D41BD50F5BA6B1B2E8CCAB134CE161769EAEC00	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
342	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified QSCD Signing CA 2020, O = GlobalSign nv-sa, C = BE	8115E2CB4F04E56EA70EA932D0622831DD53B22BF6A93B3ACD9125FAB0374AF1	
343	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified Signing CA 2020, O = GlobalSign nv-sa, C = BE	35E9429CDE680D8D5311CDD46FAEF0AEE694B0556C3D69C4F670E243D64C87FE	
344	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified QSCD Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	712C42F3C0FA3BDFA11B22AC9811C8EB912C4B464B43C705825DEEDC1195AD33	
345	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	28CB8EE23E7BDBBF40B2959A57BB589991C2635CD3B71AAB0E84F993C559D29F	
346	CN = GlobalSign GCC R45 PersonalSign 3 CA 2020, O = GlobalSign nv-sa, C = BE	50161C1232F32E8057879F9C7651A9088F5AA1EF5AC9A9A4BD445C6E788EA6F8	
347	CN = InComm Agent Solutions Inc Atlas Issuing CA 2020, O = InComm Agent Solutions Inc, C = US	4DFD9A61EB32208A94F15719FF2EC71449BCB0F344C18D5D1D3994A6C30EC92E	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
348	CN = NAESB GCC R45 Client Authentication CA 2020, O = GMO GlobalSign Inc., C = US	5EBD04144508FADD1B9DB79FF62B826D6FF893987B1534C0F8EEC2261D6AC452	
349	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Non QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	DBFF9EBA713FF77B60D52B37F35C5AD52D9CD06412F3BAD9128D77D95C7B887E	
350	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	625597092D6B09F1AB74ECF29F38E0E1C41AF487594B23489A8A604687ACAD99	
351	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	7A25E3C7B2B3325C5E65D01B9F6FF474ADE4BBCC8CCA3D7F29655352386F36B7	
352	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Non QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	96B67EB3D828223480405557E3993A3B1781D527294D1978EB0C4ABCC6F40AF2	
353	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	F5E9E2705AB0C93E80652D2DEB573AB01D6700597BDA122BC08BA97FDC713368	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
354	CN = GlobalSign R45 AATL Root CA 2020, O = GlobalSign nv-sa, C = BE	B296DC3BCF451217D7AD4F84FB8EE25CC92FC659CAFA0EB4A8B5B4DB3D0215C2	
355	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	24E9A5B561CDFEFEEEB73245DAC1B04465C513F936621D21902DD8A58FD6C461	
356	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Remote QSCD Delegated RA CA 2022, O = GlobalSign nv-sa, C = BE	AD304215A70BF5D06E84973BF49862F10CFF490DA9C97D1D6FA6934F8E3C98AF	
357	CN = GlobalSign GCC R45 PersonalSign 3 CA 2022, O = GlobalSign nv-sa, C = BE	9153DB840DA0BDD27A0A2FCA32E4E278AF54C3580F3C45FACA402C70E6E4DA5C	
358	CN = RT2 Atlas Client Authentication ICA 2022, O = Real Time Technologies, Inc., C = US	086E13C1B237ABB0B2FD6A3424419E6F241BBB849CB60054F2309F1480592B5F	
359	CN = GTS Root R1, O = Google Trust Services LLC, C = US	3EE0278DF71FA3C125C4CD487F01D774694E6FC57E0CD94C24EFD769133918E5	In Google Trust Services LLC Audit Report (*)
360	CN = GTS Root R4, O = Google Trust Services LLC, C = US	76B27B80A58027DC3CF1DA68DAC17010ED93997D0B603E2FADBE85012493B5A7	In Google Trust Services LLC Audit Report (*)
361	CN = GlobalSign GCC E45 Client Authentication CA 2023, O = GlobalSign nv-sa, C = BE	ED8C173B5AA6C71B4456E10C2D9841D2F8B358E093C24BE021508EB0E79505A6	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
362	CN = Hongkong Post Root CA 3, O = Hongkong Post, L = Hong Kong, ST = Hong Kong, C = HK	00482341B104A0DE6E0F1D508DB84CB514F7494FE04982133A5C750136C55DC8	In Hong Kong Post Audit Report (*)
363	CN = AbbVie Atlas R45 AATL CA 2022, O = AbbVie, Inc., C = US	6FD7EEFF0B14D389FC8115B4FCDF64EED38F29573F0B3969C71BEB0FE55C3F5B	
364	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	C94FEDDA4E8608908580BC7F87B434E03BB262E42F64C63820A8F50FB17C1CEC	
365	CN = GlobalSign CA for AATL - SHA256 - G3, O = GlobalSign nv-sa, C = BE	2E8820DC0EAFAE3D6D285C057ECE14470B377438B002CEDD4C72B4F343A54F43	
366	CN = GlobalSign CA for AATL - SHA256 - G2, O = GlobalSign nv-sa, C = BE	AA89C466E9D06882C0DAAF72BE0F0FBCFE7C1EF2AAAD190640C4AD44F5517F34	
367	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified QSCD Signing CA 2024, O = GlobalSign nv-sa, C = BE	13D7E765FE222EC2590008EF8EF43C0C9BC256B87F2705B16D80AAB256843040	
368	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Signing CA 2024, O = GlobalSign nv-sa, C = BE	4586A569DFD4C8DDBC4703805A14F9FDADF3D6C7CEFCC127868A49B21FFA7C76	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
369	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Remote Signing CA 2024, O = GlobalSign nv-sa, C = BE	5F4DE9476933306D850B530E01F543E70B461D48E402188F4E500679C304ED22	
370	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Authentication CA 2021, O = GlobalSign nv-sa, C = BE	102DCE6691C0B6DF7CD2521AF88C3546D7582A2CB7DAAD087F9C7DB2AF8351C5	Revoked on October 20, 2023
371	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Authentication CA 2021, O = GlobalSign nv-sa, C = BE	9BBAB193D19DBA9BA86497C633E89EB421131D29B64129B449832BEC2CC8259F	Revoked on October 20, 2023
372	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified Authentication CA 2020, O = GlobalSign nv-sa, C = BE	5F2155F9A7444615C673994CDA99E963BB558A367B20305520E93D15EF3AF4E8	Revoked on October 20, 2023
373	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified Authentication CA 2020, O = GMO GlobalSign Ltd, C = GB	1DBC5465732AC3232FF12641C2898EA0F239D06186DD1B085496ABC6E5BD07F2	Revoked on October 20, 2023

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
374	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Authentication CA 2020, O = GlobalSign nv-sa, C = BE	E042DA36AA8B9A290A525B63AFBBD42E3DBA8286F7100C7981799C6EF2F8919C	Revoked on October 20, 2023
375	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified Authentication CA 2020, O = GMO GlobalSign Ltd, C = GB	EEE8A6FBDE0B1340552AE739832A686FE96103435AE1FCE9392D655E00D8670D	Revoked on October 20, 2023

* The cross-signed certificate was signed with a key controlled by GlobalSign, and the certificate is subject to GlobalSign's CP/CPS. While the cross-signing establishes a trusted relationship, the cross-signed certificate is not controlled by GlobalSign.

GlobalSign NV/SA
Subject: Independent Auditor's Report WebTrust for CAs

Appendix C - Locations

Location identifier	Country	State / Province
AE-01	United Arab Emirates	Dubai
BE-01	Belgium	Vlaams-Brabant
BR-01	Brazil	Minas Gerais
CN-01	China	Shanghai
IN-01	India	Delhi
JP-01	Japan	Tokyo
JP-02	Japan	Yamaguchi
JP-03	Japan	Tokyo
JP-04	Japan	Tokyo
JP-05	Japan	Tokyo
PH-01	Philippines	Makati
RU-01	Russia	Moscow
SG-01	Singapore	Singapore
SG-02	Singapore	Singapore
UK-01	United Kingdom	Kent
UK-02	United Kingdom	London
UK-03	United Kingdom	London
US-01	United States	New Hampshire

Appendix D - Publicly disclosed incidents

ID	Disclosure	Publicly Disclosed Link
1829195	GlobalSign: CRLs reported in CCADB unavailable	Bugzilla Ticket Link
1836443	GlobalSign: Issuance of test EV SSL/QWAC pre-certificate with no EKU extension	Bugzilla Ticket Link
1845803	GlobalSign: Three (3) revoked precertificates with reasonCode "certificateHold"	Bugzilla Ticket Link
1850091	GlobalSign: EV TLS certificate with only metadata in JOI State field	Bugzilla Ticket Link
1866806	GlobalSign: S/MIME Sponsor validated certificates with CommonName value equal to OrganizationName	Bugzilla Ticket Link
1870276	GlobalSign: TLS OV Certificate containing unverified information	Bugzilla Ticket Link

GLOBALSIGN'S MANAGEMENT ASSERTION

GlobalSign NV/SA ("GlobalSign") operates the Certification Authority (CA) services as enumerated in Appendix B, and provides the following CA services:

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management
- Subordinate CA [cross-]certification

The management of GlobalSign is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its website, 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 GlobalSign's Certification Authority operations.

GlobalSign management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in GlobalSign management's opinion, in providing its Certification Authority (CA) services at its locations as detailed in Appendix C, throughout the period April 1, 2023 to March 31, 2024, GlobalSign has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its Certification Practice Statements and Certificate Policies, as enumerated in Appendix A

- maintained effective controls to provide reasonable assurance that:

    - GlobalSign's Certification Practice Statements are consistent with its Certificate Policies

    - GlobalSign provides its services in accordance with its Certificate Policies and Certification Practice Statements

- 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 GlobalSign); 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, version 2.2.2, 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 & 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 and Destruction
- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- CA-Provided Subscriber Key Storage and Recovery Services
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

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

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

Additionally, GlobalSign has disclosed the attached comments (Appendix D) that have been posted publicly in the online forums of the Bugzilla site, as well as the online forums of individual internet browsers that comprise the CA/Browser Forum.

GlobalSign does not escrow its CA keys and does not support Integrated Circuit Card (ICC) Lifecycle Management. Accordingly, our assertion does not extend to controls that would address those criteria.

Leuven, June 28, 2024

GlobalSign NV/SA

Original signed by

Arvid Vermote

Chief Information Security Officer

Appendix A - Certification Practice Statements and Certificate Policies in Scope

Certification Practice statement	Begin Effective Date	End Effective Date
Version 10.0	March 28, 2023	August 21, 2023
Version 10.1	August 21, 2023	November 15, 2023
Version 10.2	November 15, 2023	March 29, 2024
Version 10.3	March 29, 2024	

Certification Policy	Begin Effective Date	End Effective Date
Version 7.0	March 28, 2023	August 21, 2023
Version 7.1	August 21, 2023	November 15, 2023
Version 7.2	November 15, 2023	March 29, 2024
Version 7.3	March 29, 2024	

Appendix B: List of CAs in scope

The following CAs were in scope of the WebTrust for CA audit:

Root CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
1	CN = GlobalSign Root CA, OU = Root CA, O = GlobalSign nv-sa, C = BE	EBD41040E4BB3EC742C9E381D31EF2A41A48B6685C96E7CEF3C1DF6CD4331C99	
2	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	CBB522D7B7F127AD6A0113865BDF1CD4102E7D0759AF635A7CF4720DC963C53B	
3	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	179FBC148A3DD00FD24EA13458CC43BFA7F59C8182D783A513F6EBEC100C8924	
4	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	2CABEAFE37D06CA22ABA7391C0033D25982952C453647349763A3AB5AD6CCF69	
5	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	4FA3126D8D3A11D1C4855A4F807CBAD6CF919D3A5A88B03BEA2C6372D93C40C9	
6	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	CBB9C44D84B8043E1050EA31A69F514955D7BFD2E2C6B49301019AD61D9F5058	
7	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	319AF0A7729E6F89269C131EA6A3A16FCD86389FDCAB3C47A4A675C161A3F974	
8	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5CBF6FB81FD417EA4128CD6F8172A3C9402094F74AB2ED3A06B4405D04F30B19	

Root CA			
#	Subject DN	SHA256 Fingerprint	Other information
9	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	7B9D553E1C92CB6E8803E137F4F287D4363757F5D44B37D52F9FCA22FB97DF86	
10	CN = GlobalSign Code Signing Root E45, O = GlobalSign nv-sa, C = BE	26C6C5FD4928FD57A8A4C5724FDD279745869C60C338E262FFE901C31BD1DB2B	
11	CN = GlobalSign Document Signing Root R45, O = GlobalSign nv-sa, C = BE	38BE6C7EEB4547D82B9287F243AF32A9DEEB5DC5C9A87A0056F938D91B456A5A	
12	CN = GlobalSign Document Signing Root E45, O = GlobalSign nv-sa, C = BE	F86973BDD0514735E10C1190D0345BF89C77E1C4ADBD3F65963B803FD3C9E1FF	
13	CN = GlobalSign IoT Root R60, O = GlobalSign nv-sa, C = BE	36E80B78775DDA9D0BAC964AC29D5A5EC4F3684E0C74445E954A191C2939B8E0	
14	CN = GlobalSign IoT Root E60, O = GlobalSign nv-sa, C = BE	43ED443C1F0CD46C9914B4272C24DC42CF6FE62B4AAB37585878A26D882AE4CB	
15	CN = GlobalSign Timestamping Root R45, O = GlobalSign nv-sa, C = BE	2BCBBFD66282C680491C8CD7735FDBBAB7A8079B127BEC60C535976834399AF7	
16	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	165C7E810BD37C1D57CE9849ACCD500E5CB01EEA37DC550DB07E598AAD2474A8	
17	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	8B0F0FAA2C00FE0532A8A54E7BC5FD139C1922C4F10F0B16E10FB8BE1A634964	
18	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	4774674B94B78F5CCBEF89FDDEBDABBD894A71B55576B8CC5E6876BA3EAB4538	

Root CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
19	CN = GlobalSign Verified Mark Root R42 O = GlobalSign nv-sa C = BE	CD122CB877C6928B9017B0F0B80DBD508196300BBD03CD7356C3BEEF524E7E0B	

DV TLS Issuing CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
20	CN = GlobalSign Atlas R3 DV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	1D2044E27BDC4411CA3FA340D082C1CC32B1366347D4063E898463AFAC3FFF06	
21	CN = GlobalSign Atlas R3 DV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	53F2F2D3C2F952555407B8BB77012229C2A4E47F73CB45132DC95F6CEDD4396F	
22	CN = GlobalSign Atlas R3 AlphaSSL CA 2024 Q2, O = GlobalSign nv-sa, C = BE	CE11B00AD38D3092E618048865D28B5EE82D367D7296DD83389818C55C77DA3E	
23	CN = GlobalSign Atlas ECCR5 DV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	D3E722A0520E72F756FDE9BDDF3D5649F6A85A40CABDCC937F77700A7C45E2FC	
24	CN = GlobalSign Atlas ECCR5 DV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	3B74D815D0ADD8BA412A3766C805E4F11F946943BE8F18A9D197B526FB4206BC	
25	CN = GlobalSign Atlas R3 AlphaSSL CA 2024 Q1, O = GlobalSign nv-sa, C = BE	10B3103D2F490D2BF2E95ECCFAE7D6466E089923486196E49431C88FF361D7D7	
26	CN = GlobalSign Atlas ECCR5 DV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	A79831D06B05530A5533526EAD1EF6E0D7FFA2BC52D59EEFB41B950AECC31CDB	
27	CN = GlobalSign Atlas R3 DV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	0152F86354FCA9525B280C233F7DA6CF8B5F2373C42644723226AE67238DB190	
28	CN = GlobalSign Atlas ECCR5 DV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	3C1B0BEFF052EC90997A72352E7D3DAAF90746B9A3C4D8987A5BBB9D0370E4B0	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
29	CN = GlobalSign Atlas R3 DV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	57A44D4A69023D95BEB89A61A426579F453BC146F2A998987F3C7216E78A4B9D	
30	CN = GlobalSign GCC R6 AlphaSSL CA 2023, O = GlobalSign nv-sa, C = BE	E46FB2A75097A345D4246DCF44A10DAA71D9FD0EBFAB61BA67E6DB84EE5B6CAB	
31	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q4, O = GlobalSign nv-sa, C = BE	AD4F4EFEDFE81378FD216E168EE1EB6972B9CEB796303E94BF76C5AF6350BDA3	
32	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	C5AC82D56F3DABBC7D2790FFBD4CD6BE07572CE47ADE456DB30FC48E60352CFD	
33	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	BB32B9044163D739E82233AEBC7EF3A23565B748242EFE0973098748287D9E76	
34	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	D786D22A7BD61D06A68586376DC1226063592F4D864AC4E7BDAE40AFB62238DD	
35	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	E0EE4B421D9059224F0CD3AD7BC9050B1DED78718A4AD26D8DE3FB40210F1FA1	
36	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	37D080A5E9A526663E56EE20DE4BD9F7952DACC341491439080167AD5DD18CAC	
37	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	8C2410F76B149CA062B420AB611B6BF0A06E6E799A29587E4D4EC16D0537B7EA	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
38	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BFDF4CF3F143AD0DB912D8AB3A7C12F617B9EA60CE8B1F4E44F74270FB21B19B	
39	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	EE793643199474ED60EFDC8CCDE4D37445921683593AA751BBF8EE491A391E97	
40	CN = Alibaba Cloud GCC R3 AlphaSSL CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	DFC6EE42E6A7B339DF178E566EFB5482AA1A460C586A32D67C9AB053AF2BE657	
41	CN = Alibaba Cloud GCC R3 DV TLS CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	38CBB87231F062A82D7ED2EF73FD4E4B84352EA7DD7F15686DE3A9414B7AE029	
42	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q3, O = GlobalSign nv-sa, C = BE	F709C820518D6C38595CEF8355DBE02D24163B9F843652BA2C31230FC5806220	
43	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	FC2811137DC86C7987D5665E22AC4A2741CE54B623DC58E80CE90EF8626F67FC	
44	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	CAAB391E482EE136BE74E3FAD9E3A1AC589EBE060B95508594876293EF87E7CE	
45	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	97AFE7C35378C386837676A134D7A1D472B72EF091F224F9986C8256A6D75296	
46	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	2FE4DAE370FCF2B58F0C75F2ABC49414B881F554ECF21485EAE73FEAA17B1DCD	
47	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q2, O = GlobalSign nv-sa, C = BE	8FF94F390EF3D4B472C53399E25D8CA74636F68264F456FF5F111CD8CB9C0FD8	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
48	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	86E5811AF6678C23FE7133CC92A27E93CFB85682BE0C2954575E7A4D06285598	
49	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	FA41F99D084E19438144D4FA7457C89ABA1BBA150BFB9DC4BF9D4D73E6623C6F	
50	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	F5CA53D8790D2AC5E1275D2E10DD914A924F2004951144FB8C73556163A2652E	
51	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	771CAE51FDB06185F011B768F6469918854E9EFC5992D626399F8AEF3FC10DB3	
52	CN = AlphaSSL CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	7C4E90207B2B7CAEC080426CC469908CB27B925EE3B1C999C22B8568812FDA8C	
53	CN = GlobalSign Atlas R3 AlphaSSL CA 2023 Q1, O = GlobalSign nv-sa, C = BE	D2DC5AADDC24B42C8E2CFDE756AF6B7A43CCAEFB75B9BD29AEE7C28CDE8CF1B4	
54	CN = GlobalSign Atlas ECCR5 DV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	4C41707D884D7E7D3FDE3DF7C24C7FF6E46F9166651D82C3DA7C4798D7A0824F	
55	CN = GlobalSign Atlas R3 DV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	7EC4FDED077CDD799A439637FC88AAC9546A7B1AE9F4DB0AD71ACCBC752E7E89	
56	CN = GlobalSign Atlas ECCR5 DV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	8CFDFAE1C0606B8E381AE6A2D4AFD1E50CEA63B652C2CB7314561D3353183369	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
57	CN = GlobalSign Atlas R3 DV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	71D7D6011C10185939C69087DFD44E5AC28DA5A20EA77E650BF983E4DFB99D1C	
58	CN = GlobalSign GCC R3 AlphaSSL CA 2022, O = Globalsign nv-sa, C = BE	CAC12CEBBCCD240269AF886C3C5EC64622881D676C625FCB7D144DCB3552EBC7	
59	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q4, O = Globalsign nv-sa, C = BE	8146EAB73A6237D9F0668BA9C8BB4226E8257A54FAC41DB9626EA4F567ED4D1A	
60	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	710DE4D226429E1657C15042B3F404DE5BF6DEBFE00F77DFD671AEC67A374E48	
61	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	93AC271C0758A263A603567CDB6517D8FDEA13882154E0C41A75137C5613A222	
62	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	649BFB0BAA0E25655EDB410B6B6E073D5670E00CB76F390BD97EB26ACC0AA44A	
63	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	5CB88E6EFF315E275745B3C7288064A56142AB3EF9AC7067F1BB3D298FBAEF95	
64	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q3, O = Globalsign nv-sa, C = BE	89578D72697AC25ABC6F6D382387443965412AC7448F103C9B1D11AB63A555CD	
65	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E6C18D6D008C712B3017DE1AE7659418983254B01DE4895AE91F3B29FF482417	
66	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	12DCFF9B60269E3B546C3FFB7E74BA58EB7EEBCBF5956771F784F7A582C2EA7A	

DV TLS Issuing CA

#	Subject DN	SHA256 Fingerprint	Other information
67	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	A8B2A4518A82A0CC0A60B2FB88B946557ADB4FA58458EC7680A77BB0E5334D8D	
68	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	EB5E6C1AE30A0F9B8C5769105BA9D6882E4ACCBA5E2F2F72AC388A2FACA0FEF3	
69	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q2, O = Globalsign nv-sa, C = BE	45F1854530EC037AAACB4B2DE9B4D0FDBFC61888ABD4EE0414183D99E60437AC	
70	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	15B63CDD772A8D42DC5E48174C1F7E3D40FC82C478DF3A6443C7BD92FBC6D5DE	
71	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	735CC386EC1A82E657A5B451C94959611D3C7D0CBB1FD9D9EDB42C7192F8463A	
72	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	7B063A9CD48767C475AA6BCED4667CDC56068F8B7B895125BC4EB24682EEB606	
73	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	2DFE47E144ABB39F9FE451CECD352D9A9BD28982351E8B6524FEB101DBAB1FEC	
74	CN = GlobalSign Atlas R3 AlphaSSL CA 2022 Q1, O = Globalsign nv-sa, C = BE	A04FA69E84CCD44F5E526B558631E346B21417D4D1B606A08CADE3928DBF1158	
75	CN = GlobalSign Atlas R3 DV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	92651CD48A0288AA3075354DDC15DC24D0AF8EE67015B68A145970A093475E19	
76	CN = Alibaba Cloud GCC R3 DV TLS CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	8F3E5D6858B927D284FDB85A1B15875CD78E63B820C20DDC539CCD84B0C1A6AA	

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
77	CN = Alibaba Cloud GCC R3 AlphaSSL CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	7AEDE5374ECA9FF34C5727C10DB982222D753157797449B88364F70EEFA0C24C	
78	CN = GlobalSign Atlas ECCR5 DV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	727A9069A3C60D213584E616D5BF55DFD19C71A3976645EA6A73B18F83760D24	
79	CN = GlobalSign Atlas R3 DV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	D9E4A803FB498EEE9379FCF90AC3067AE65D098CC77890C37E575E249CD7D7C9	
80	CN = GlobalSign Atlas ECCR5 DV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	A262F7D653E6C745EEABEBF6672A756B501A82F06708F2B5E77916217037BBCA	
81	CN = TK Elevator Atlas R6 DV CA 2021, O = TK Elevator GmbH, C = DE	988D6B2D87BAF43821C4D304BE2B0E8F325DC17B7A220E934F5C5B7BADFF8E1C	
82	CN = GlobalSign Atlas R3 DV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	1DD095449FFB3CFF14B2224D596B83FD42F2B47683553C797D11150C918691BD	
83	CN = GlobalSign Atlas R3 DV ACME CA H2 2021, O = GlobalSign nv-sa, C = BE	B254F3CDEAF1D29AB53CB439E80FB996F1E90A283E9B5085B8749D18E4F5987B	
84	CN = GlobalSign Atlas R3 AlphaSSL CA H2 2021, O = Globalsign nv-sa, C = BE	11B6DB5B68DCDF34479AE7E7B7BBAA7165905577AD83D474F2BB9717CE244CEA	
85	CN = GlobalSign Atlas ECCR5 DV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	6916DA916EE1B1E98CB31EE94730EECD7F2C077965BDB8D4E16A3B81C58A29B6	

GlobalSign NV/SA

Diestsevest 14, 3000 Leuven Belgium
Main: +32 16 89 19 00 | Fax: +32 16 89 19 09
Web: www.globalsign.com | Email: sales@globalsign.com

DV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
86	CN = GlobalSign Atlas ECCR5 DV ACME CA H2 2021, O = GlobalSign nv-sa, C = BE	61B30CEAEA0C8C6397C3599829809CB73CA8F817BB9CDF000D7453E442438028	
87	CN = CUISEC GCC R3 TLS DV CA 2021, O = 联通智慧安全科技有限公司, C = CN	692FE1B8BA2699531DE4CD2F52AE38FA119AB01F4B31AB78FE6DB3FDF03A7031	
88	CN = GlobalSign Atlas R3 AlphaSSL CA H1 2021, O = Globalsign nv-sa, C = BE	1ABC5AD5BC3911A5B4A91E42BBA3212E2AA3DC80147EFE1D49572E4BE0532633	
89	CN = GlobalSign Atlas R3 DV ACME CA H1 2021, O = GlobalSign nv-sa, C = BE	70F5C63C4F112837AB99870B0ECB5D722EEA0B0D0DDB9320B98B99B9BD137866	
90	CN = GlobalSign Atlas ECCR5 DV ACME CA H1 2021, O = GlobalSign nv-sa, C = BE	E7757BB0C4942ADC108D092A17B812B1043E06A094DD5E214920325556FC6924	
91	CN = GlobalSign Atlas R3 DV TLS CA 2020, O = GlobalSign nv-sa, C = BE	B65FE6A1BF2D52FF68B7D3E9D0F06B300A1C3F248309B70405CA7BDEC054BDDD	
92	CN = Soluti CA - DV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	5C452334D9C9C9A2EA42CC77A7165E1795EE9D84EB70CB784B47EA9D92A582D9	
93	CN = GlobalSign Domain Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	09BC1B137C031239EF788673E94EB17F5F3ECAB07D3ADBFB485E75ABFAAF3B9A	
94	CN = GlobalSign GCC R3 DV TLS CA 2020, O = GlobalSign nv-sa, C = BE	762538439509C411C437D3C567563E1378671281FC4A1464ADD031870843676E	

DV TLS Issuing CA

#	Subject DN	SHA256 Fingerprint	Other information
95	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	5A817EADA4AD78734EBB2CF674352D97F4352290C40EAF10E764B1EAC075B0E6	
96	CN = Keysec GR3 DV TLS CA 2024, O = KEYSEC LTDA, C = BR	F03655CFE85B3A3F2AF2FD37CAB9EA283B3A28A9B6157FE9BEB75C17C0611B3A	
97	CN = Valid Certificadora Digital AlphaSSL CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	04DE47A9CDD3091CFC5EF6AAA3B7D4B53E13C4D4DC02364F6C0B408742EC3C76	Expired on September 19, 2023
98	CN = Valid Certificadora Digital SSL DV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	FCF26FBC1B2A25A76AB4EA92B2CBEF367E0131091C802DA49898F78AE54B30F8	Expired on September 19, 2023

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
99	CN = GlobalSign Atlas R3 OV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	AB437C6B0CF76DFE3ED7001743680A15169B8D88AEC00A9F71A6C2824AE8FF41	
100	CN = GlobalSign Atlas R3 OV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	4DE6175F3B0FCA3722159DBBC1A78D0C495F6EDAF233040AAFC2559888C176A5	
101	CN = GlobalSign Atlas ECCR5 OV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	99E63B1A9E4C324664029C340275E308C61018CBC2E84CD8EA2366542EAA309C	
102	CN = GlobalSign Atlas ECCR5 OV ACME CA 2024 Q2, O = GlobalSign nv-sa, C = BE	0E6C52F16FF4E5A7532EF39A7767299F0E284CC2C6B64713C1FBA882098C5DF5	
103	CN = GlobalSign Atlas ECCR5 OV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	514A14C828B3AB160DD9D11861BBEBE5EEFA2A6CA0AB86003CD1A080AA36A9D4	
104	CN = GlobalSign Atlas ECCR5 OV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	4BE6BA403D6ECFB5E73820F5CA1948253205DB186E396D779AC6B41BC8A826B4	
105	CN = GlobalSign Atlas R3 OV ACME CA 2024 Q1, O = GlobalSign nv-sa, C = BE	C7AA7BDB14DD5EE2F9E6EC2367B64D500DE432E7BC51E9A8E4E9791B828CF65E	
106	CN = GlobalSign Atlas R3 OV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	79AADFB93F2C467A37EDC83B5DD55A200EA9C32D3DFB6FAE2017A2C7E3306DCF	
107	CN = GlobalSign GCC R6 OV TLS CA 2023, O = GlobalSign nv-sa, C = BE	3F6F57F1FE25B3D6F088F17704F7E376AE3A91151DCD8E1917CB3A41785B5F0D	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
108	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	FBBF50730E837A7436085C92483550FD65D85E0E4DFF121F77CF0F3B7C40BD4C	
109	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	67A9F71A282C4AD07586CA297B914926C2E1D331C5F64A46AFBD7D6378D89868	
110	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	C905CAFDED19BAB5742F3A32F6C3CDEFA4E49564A348EA84BE2D033610816EC6	
111	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q4, O = GlobalSign nv-sa, C = BE	B8C5418C43F29D28CCEE6CC2795CEA84D0B22949B162597666F7893126C3CCF5	
112	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1C9737E968AD9DFF8D8D7FCF996A144BB97851A19011A0190C943CAE8D43CFE0	
113	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	74EF335E5E18788307FB9D89CB704BEC112ABD23487DBFF41C4DED5070F241D9	
114	CN = GlobalSign ECC OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	87C71553445EB3C33C3E0710711B99E9C7773F04D91AC38A9F4C082EE24101EA	
115	CN = GlobalSign RSA OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	B676FFA3179E8812093A1B5EAFEE876AE7A6AAF231078DAD1BFB21CD2893764A	
116	CN = Alibaba Cloud GCC R3 OV TLS CA 2023, O = Alibaba Cloud Computing Ltd., C = CN	73360680F0C0DE2C542EB3DAB2B30764D5451606501953C76D51A2F6EBD1C29B	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
117	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	405B1E8B6CBDDF1605C82D30AF52F02D8938873674ECA18A92ACBACE22610BDE	
118	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	4DE5FB201DAD1C9CCEA68648C2A9A03E53D5F39B5959D0608E707326F0C6432A	
119	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	CDACF412E2921C342B1943676433E60488E4BD39F193A9C22C12AA11B6796597	
120	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q3, O = GlobalSign nv-sa, C = BE	6557A37403091987483D6789ED9CE4549312674B91F57572397AA76806F009D5	
121	CN = AC Defesa GR3 OV TLS CA 2023, O = Ministerio da Defesa, C = BR	23D5EFBFB41CE7B1F30BAB8A8F64AF85EDBB5D7A49C08D616DE4C47CADB03597	
122	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	7CFB624140EFD55D44A324D10721CAF48DC64755DB6D11920F8D2B512F7EB70F	
123	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	EBA6880A6D960A2692A05AA539EF1C8EC03B3C455308DEE5A0F6A4DC050EDEA3	
124	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	6564BF50F3520375B11F2A5BD432BB44E810ADC7EB2C4AD22F9CBE0C32B46162	
125	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q2, O = GlobalSign nv-sa, C = BE	2127DBB280A2B296039D17E2E642EB9346C33990AB4298A664ADCA002FF67FFD	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
126	CN = GlobalSign Atlas ECCR5 OV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	BA2F574809F5FD3638F15A7E42DB3B465C8D66297B26451457F1633B7F762F35	
127	CN = GlobalSign Atlas R3 OV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	D413C51E43C6880D9F39A295C496D8B50B1F6A446363A7C1AFACA9B510E5C300	
128	CN = GlobalSign Atlas ECCR5 OV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	4D048713242889EFF7F69C21359C6A9F211DD52C19E9BF3EAF3FCF5C8D178ACB	
129	CN = GlobalSign Atlas R3 OV ACME CA 2023 Q1, O = GlobalSign nv-sa, C = BE	B22FF48B90A07C0AE65DD09AB80DD44AEF1912421DFFB7301583C24DCB637692	
130	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	D54CD0DADA36808945D1E4E414322E00AB09B9A800DA32D6C2B34B2CA12B9CEA	
131	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	B7DD3E11DB6F04EF6BD1E98768C6805CCCCD1D37F8BD858B6D21645797147784	
132	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	C7AC7C5B8162E0F0931D1B2F7740C2284FF1595C10E82DB1EE3A1258F0A7406F	
133	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q4, O = GlobalSign nv-sa, C = BE	FA6331BA628DF599BEB2243BDE3A15098587704E956FE50A7933ABC0FCF79EF7	
134	CN = Prodrive Technologies GCC R3 OV TLS CA 2022, O = Prodrive Technologies B.V., C = NL	1005370ED276B0CEF39244E9E699CE4807BF9ADE05BFA59F263809FB4606B72C	

OV TLS Issuing CA

#	Subject DN	SHA256 Fingerprint	Other information
135	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E68C3376F010219CCA14E337F33183EF9D861E573A9D76287F3AAAD4D04FA38F	
136	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	29E93053769D4D1BAB841B8F5C2603BED5E0B82F3396708695668921 46E89141	
137	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	E4C2D8C6E54ECE1C996A305972B1AE0B064F105BE06CFD7295FD2DAE33B97E1A	
138	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q3, O = GlobalSign nv-sa, C = BE	F06E2C3D05AF608C7BACB6366F7A47A017ADEC22F712BD417335396CB8B555BE	
139	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	A816AFFF746EA0F0A0A064C0432F9D2B7D0CE79EC2D1E9940F4A186A25182284	
140	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	AFDB3C396D85D19FBE58206DF0659EAE614C4AB18F5CCF20B783AAF0BBE96A03	
141	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	CB2C685CB214DCD2F2CDA6E2C155AAF21A7E134BC0BCE808B1130C459125B0A4	
142	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q2, O = GlobalSign nv-sa, C = BE	D50B20ADFF959BFBEE83B6FD1FAB36FDE7941B960CFC6839AAC63B9FFDB46413	
143	CN = GlobalSign Atlas ECCR5 OV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	F9D3214AD6F5D6D2B3C8161F96028B76812B058614A66786B92C8FEBDAC020EE	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
144	CN = GlobalSign Atlas R3 OV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	536A35A3FA630379CF3B4D4B4E1395AF9CFED2243138E634E4369A31E2872843	
145	CN = GlobalSign Atlas ECCR5 OV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	218C470B78B02D39B84FC6892F5A1FE9C99D6B9A6B8B7471E039EDCFCA91004C	
146	CN = GlobalSign Atlas R3 OV ACME CA 2022 Q1, O = GlobalSign nv-sa, C = BE	EA532E6D78FF00FD4F56447F7E0A47D239D945424B77CF0D15A795CB4EE602BD	
147	CN = GlobalSign Atlas R3 OV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	4E1A564C71A04288970E53C037D1CFC25C1F9BEFC5276CF3BD501EE262F04202	
148	CN = GlobalSign Atlas ECCR5 OV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	90AF1B61A082662A639CAA68C6A3FB41EBBA3760C351A4A1E89FB6DACAD486FC	
149	CN = Alibaba Cloud GCC R3 TLS OV CA 2021, O = Alibaba Cloud Computing Co., Ltd., C = CN	31A096A1CB918876EE57C85B2349FC9CC2C2CB4FCF9BDD37787CE9DA57AF4790	
150	CN = CUISEC GCC R3 TLS OV CA 2021, O = 联通智慧安全科技有限公司, C = CN	C7F145D474F5DC20B27A64E1696179522469078B333FE8FF887B97CE7805E362	
151	CN = ATT Atlas R3 OV TLS CA 2020, O = ATT Services Inc, C = US	DC2728331312E75C4D7B442F3BDDA790CB77A9D6AC854D5BCE18AC43CA59909A	
152	CN = CrowdStrike GCC R3 TLS OV CA 2020, O = CrowdStrike Inc., C = US	78CB512DE48CEDCD7134DF57C973C1E1A07692B8F542A44ACEBB8BB776D55D59	
153	CN = DPDHL Global TLS CA - I5, O = Deutsche Post AG, C = DE	32A4E554E363116FE48E22F01DAC1736752A71C720F99F462D565022D3BAD07D	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
154	CN = RNP ICPEdu OV SSL CA 2019, O = Rede Nacional de Ensino e Pesquisa - RNP, C = BR	88FC18BD071BE1FBC53FFBC801F03F5B2C4DA87BBA0C098E2B4808F19EAB05FE	
155	CN = SHECA OV Secure Server CA, O = Shanghai Electronic Certificate Authority Center Co., Ltd., C = CN	AD7B58C3C5D9586BE5B62799C2792C4111C9852A96F7B06072221265713957E1C	
156	CN = Soluti CA - OV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	AB74B1411AD23E2227FB88A2A9304A1A45A5C4840B3635F1036A46E8374279AC	
157	CN = GlobalSign CloudSSL CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	E0C2EBD1F6BAD4FEAAE31A3107E69ABEE902DB38B9DFBE33F0570BDA3494C20A	
158	CN = GlobalSign CloudSSL CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	4B7334E1D8999822BAFA8FF6888125389B18A4E5AB26FFA624C7F68FDC81F0CB	
159	CN = GlobalSign ECC CloudSSL CA - SHA384 - G3, O = GlobalSign nv-sa, C = BE	B0CD6AE7B9E20EC5F830FEE01F666D5D90E6E229D06BC46A30ACCEDFEC889648	
160	CN = GlobalSign Organization Validated ECC CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	65EEC0CC6C970CC1CD73659115DC8D904E6F12E6DC8FD4DDA39D54CB30224780	
161	CN = GlobalSign Organization Validated CA - SHA256 - G4, O = GlobalSign nv-sa, C = BE	1E1741A12EB8DA2BD76EA96C04F520359839710F620E80952F48DD0240A12CD8	
162	CN = GlobalSign Organization Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	699D54B7482A5D329331EA0415CC2EDCD60FDA01D19E71D054196BCE0677735C	

OV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
163	CN = Keysec GR3 OV TLS CA 2024, O = KEYSEC LTDA, C = BR	8AFDA1ED73BF375DC6E097DB871BBFE4CEB68E61381C39BDF6A4576DC171BFB2	
164	CN = Trusted Root TLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	91F19CE503C9FE7FF9587D8EFBEF7315AAEE77DC2D14526126493B4AD6FE801F	
165	CN = Valid Certificadora Digital SSL OV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	6B4F9DE13678846730D50E914A08E7BE9B742CA3A0A7D5393367830B93A6F553	Expired on September 19, 2023

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
166	CN = GlobalSign Atlas R46 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	D5816A7FD5FA18D3E0C44C78273FA856BE0A3A993428826763E3A88086311986	
167	CN = GlobalSign Atlas E46 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	04E808603BE46B2534562E3DE237F4AE7ABE2B5E3141D8DEC470A822370D3DB7	
168	CN = GlobalSign Atlas R6 EV TLS CA 2024 Q2, O = GlobalSign nv-sa, C = BE	91DDDCB95C82585A3D8645F665CE7B8B606569F6941D33BD9DDA338A5EF6D4C2	
169	CN = GlobalSign Atlas E46 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	D78BE04CDBE328D5493489067B8DF1C57E65EA74D8888F08C711E815A6A11A14	
170	CN = GlobalSign Atlas R46 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	60B846638922190DE52C1AB044FD2FA88A9D6DF3989831C00C84296B8DB7A5EE	
171	CN = GlobalSign Atlas R6 EV TLS CA 2024 Q1, O = GlobalSign nv-sa, C = BE	020EEC98A3C1ED2D5BE21193349ACB9751DE071D6B452A489A6A867CE9B633E9	
172	CN = GlobalSign Atlas R1 EV TLS CA 2023, O = GlobalSign nv-sa, C = BE	BFB08828EB69B99EE7CEBDD687C8E883A1FE07D3F998347F92EE9356414AD002	
173	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	1DFFC2AD5B423DCC715DFE54AA117F2525974D9571FEA82819232807F4ADD4EE	
174	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	B97E1037E4CD5C069271600AFD1FF345EEAE1BC2C023A5FBA8B163260FCA5DAB	
175	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q4, O = GlobalSign nv-sa, C = BE	4959306BAE8C548D319D1855C34493F7AD00B9BAF824BDFD96FF2C3C32BDAEEA	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
176	CN = GlobalSign ECC EV SSL CA 2018, O = GlobalSign nv-sa, C = BE	8F19FFE02FC795ED70765D1436ADDF772FE0F0773DA436EDBDB42A2E30E2E828	
177	CN = GlobalSign Extended Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	AED5DD9A5339685DFB029F6D89A14335A96512C3CACC52B2994AF8B6B37FA4D2	
178	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	40D44FA09A260E8FCD527293AA965F247B31E2104FA51B36D263B0479FB828F2	
179	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	2335D5EDFA507EB56B7DAC00F434D55B9565A6F968E4CD3AC01BAC2317A10B16	
180	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q3, O = GlobalSign nv-sa, C = BE	D454487FBE3B2CBC10C3023E73AEE27F3E3640726CE7BB03BB4244B50CB2F4C4	
181	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	B95D0B51AAB7504D0F8780173B8C395DD718371BA61ADE30C11B1B77B33EC01B	
182	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	BA0DF2D121A739E0002AA19B5B2400F4204A324F28669356CEB0B1B2DADF8B86	
183	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q2, O = GlobalSign nv-sa, C = BE	AEDCC1DBCB44D96F692BD451D76A3229839151D5BE82FE8D0D1B23030F48FB19	
184	CN = GlobalSign Atlas E46 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	8D1EE31E047C9E604CF0603A9076DC45A7BD4D4AF4584D2156F03752626D8A6E	
185	CN = GlobalSign Atlas R46 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	A02C04DAB0B317A4910753F2F74E3C78B39AD210E5CB72870B278122AD35B265	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
186	CN = GlobalSign Atlas R6 EV TLS CA 2023 Q1, O = GlobalSign nv-sa, C = BE	1083D57464FD5128B80B22965FA205E13168DDFCCDF17A7095F3BE0ED0AB3A91	
187	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	A34B15C8D1C296106ACBC14680160027B1FA49114C21BD99B3AE59BD8C4C7B54	
188	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	B050000CF749EC658A6B9ED8D4C3A393435644A327603FB036327E32A47BFBA4	
189	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q4, O = GlobalSign nv-sa, C = BE	C1262AC6412075B2513AE5E563FCCEDB4B3E59B812695EE0CD87223A2C2D048B	
190	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	4006CDFF6D8D52DC090FF5382B9C30CEA8CC5005DF2D5E8203CD67921797750D	
191	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	0ED5AA0061D09B703E1B3150FB6367870BBF245CCEED4FE08F2DBE4201723A8D	
192	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q3, O = GlobalSign nv-sa, C = BE	0C92594BD394B4887A1D66EC5E631FFAD3BA4B07FE2EB6D15D2F5FEE4C90C454	
193	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	5E2A73EE6069DE65322DCF0430176B385F5238C296EE4392E7ED7DB4BE908A40	
194	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	398DC562DC098CF75F3A151216E583380C279444B0D63E766D9FDF6F47D04C60	
195	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q2, O = GlobalSign nv-sa, C = BE	256602DC8A8041B2EDC0CAE611A6A98D9B39AD4DE3E19F62DC0A0A1958B72271	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
196	CN = GlobalSign Atlas E46 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	9C9D5E986B5BEA7A1EC8457EBCAA600D2435803B91FEC97C4E5043BE6742D4B1	
197	CN = GlobalSign Atlas R46 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	4CFA14BC7E8F48D4677B0604777AF76AB0C55B326F8B97BA95F6ACE115C05F16	
198	CN = GlobalSign Atlas R6 EV TLS CA 2022 Q1, O = GlobalSign nv-sa, C = BE	C9A74009DAE194A40BD122ABD015D44E93CB7879B0949054A31042EF4C99E5D6	
199	CN = GlobalSign Atlas R6 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	0ABB1CDE53CCAC170483DAFCD3CDB9F2622BA7E47D31EC0FD3DB271B4AAA5303	
200	CN = GlobalSign Atlas R46 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	385AA00A1848F807F665561E888B0D4F69614052D825F3C33970E00F4C3658DD	
201	CN = GlobalSign Atlas E46 EV TLS CA H2 2021, O = GlobalSign nv-sa, C = BE	44E683576E1C960D784D17BB2325C25CF1BE4E20470C31D9D73CACED496C95C9	
202	CN = CUISEC GCC R3 TLS EV CA 2021, O = 联通智慧安全科技有限公司, C = CN	9BFABD8D91284500B4D412C5725C87CB3A013F940FF1E62810E6929C69393ED9	
203	CN = Soluti CA - EV, O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A, C = BR	11FBA4A7EE579C70E1D57F9F9B6A8C209E1219C4F1D3846F83FFCE74E9E5E2CE	
204	CN = GlobalSign Atlas R6 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	BCE7091355D2417A37F8CFE2AC8F17C2748888BA0EEA90000FC980ECFC2D041F	
205	CN = GlobalSign Atlas E46 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	364DF25CC88F6FB0202C02CD9B8EA02DFE8AC02341EFF5A9DFFC5BE159ED5991	

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
206	CN = GlobalSign Atlas R46 EV TLS CA 2020, O = GlobalSign nv-sa, C = BE	E1E15D289697AF3285BF34112A3E60BC11C0C8122DD2B9B3420AB2E5E57883CA	
207	CN = Keysec GR3 EV TLS CA 2024, O = KEYSEC LTDA, C = BR	9173EFAEA4E61855EB858D107DBA94A1CD18CAE00EAF9C7EDB57201AD99A9BFD	
208	CN = GlobalSign GCC E5 UK EV QWAC CA 2021, O = GMO GlobalSign Ltd, C = GB	0966A88729C938F9DCD65BB3C63B608618EAE5183ED1FED752B323089687A20E	
209	CN = GlobalSign GCC E5 EV QWAC CA 2021, O = GlobalSign nv-sa, C = BE	0DD2C7E0AF8200F49F4192A89AE634D4CE41B80C63B0629CC68E538C316F020E	
210	CN = GlobalSign GCC R3 UK EV QWAC CA 2020, O = GMO GlobalSign Ltd, C = GB	A33017D9DF494C09D58709107403AEE461B9461E81BA395C28C36693C27D1986	
211	CN = GlobalSign GCC R3 EV QWAC CA 2020, O = GlobalSign nv-sa, C = BE	D4A5941C7141ED1949A0C6CE9DD45A0AB94DC337902EB0A1209852738EEBE854	
212	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q1, O = GlobalSign nv-sa, C = BE	4D81D18D57CDA96440CBFD0FA05CC387B7C69DE3A9E68B4036E1168EE2B7BD21	Revoked on October 20, 2023
213	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q2, O = GlobalSign nv-sa, C = BE	ED2B6C6F6C669EEC6C158B0FD61E4454185C42842523866F3B3EE9B1F0F62882	Revoked on October 20, 2023
214	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q3, O = GlobalSign nv-sa, C = BE	0DA5820FDFE4FCF9B9F94C140DB0F06D670D86FCB1BDD9597BCA8731532F353C	Revoked on October 20, 2023

	EV TLS Issuing CA		
#	Subject DN	SHA256 Fingerprint	Other information
215	CN = GlobalSign Atlas E46 EV QWAC CA 2022Q4, O = GlobalSign nv-sa, C = BE	4EF99E6A8B14F69938715371B1D853472534CBF595A743CE993E7B386F99B895	Revoked on October 20, 2023
216	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q1, O = GlobalSign nv-sa, C = BE	F9120A71D50697B9992A7357A0A9A0DDC4BFC3598FCB4F01642964824D3CF276	Revoked on October 20, 2023
217	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q2, O = GlobalSign nv-sa, C = BE	F4C5F3956379493830DE7456E0A55D6FBC1B8EA08B756488FF005B6C394A69C7	Revoked on October 20, 2023
218	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q3, O = GlobalSign nv-sa, C = BE	430B172A6F7146B16A75BCC5BFA1D60C61DEEAA2ABAC61B4394E4A6B291C48CC	Revoked on October 20, 2023
219	CN = GlobalSign Atlas E46 EV QWAC CA 2023Q4, O = GlobalSign nv-sa, C = BE	2DA52277662DC1C779E2439FAF58F85F87DBA73E0F16F1B0EB310A4919CFC3BA	Revoked on October 20, 2023
220	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q1, O = GlobalSign nv-sa, C = BE	F2BC379B1EF45624D8F822B6E359502D470F384E53C082F7AE21869C13A5D345	Revoked on October 20, 2023
221	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q2, O = GlobalSign nv-sa, C = BE	250AFA50B60D30D1217D00E7DD8CCE6B51F5C0B6A6369324842C37DEB44F9715	Revoked on October 20, 2023
222	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q3, O = GlobalSign nv-sa, C = BE	9D51DC2750A13BD627D99FDCC720D1904FE81059110BB9DE11B039A4B2ECA531	Revoked on October 20, 2023
223	CN = GlobalSign Atlas R3 EV QWAC CA 2022Q4, O = GlobalSign nv-sa, C = BE	451FA3A18064B4DD03ADFE8B8BBF16258CB98A1A6FEE5D6B0A37C98A0B5E6DAE	Revoked on October 20, 2023

EV TLS Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
224	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q1, O = GlobalSign nv-sa, C = BE	A7DCFD3D09377C39BA3A7F630E052EC593E9726D1DA57229E599D15AD6DCCA7B	Revoked on October 20, 2023
225	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q2, O = GlobalSign nv-sa, C = BE	A40C91E466D62CDB32B7139E8748F0EB5A817F6BB8A9F999A7A9BF4306D6D5D5	Revoked on October 20, 2023
226	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q3, O = GlobalSign nv-sa, C = BE	29C840D062AC862DB4D20928D2AEFD83B35A46BD4533995FF2EFD3E3EE8CFFD9	Revoked on October 20, 2023
227	CN = GlobalSign Atlas R46 EV QWAC CA 2023Q4, O = GlobalSign nv-sa, C = BE	B51D85A08FACB06F97FDF58563749003033EE77DD583986204499197CA8E7077	Revoked on October 20, 2023
228	CN = Valid Certificadora Digital SSL EV CA 2018, O = VALID CERTIFICADORA DIGITAL, C = BR	8AEFEBD88BE87A30B19C60C5BD0FB5E9FBCD15D5582D5FC9A7499578D68DCEC0	Expired on September 19, 2023

Non-EV Code Signing CA

#	Subject DN	SHA256 Fingerprint	Other information
229	CN = GlobalSign GCC R45 CodeSigning CA 2020, O = GlobalSign nv-sa, C = BE	74D499A72D0BA5D4DDEC55805ECF157C891E45E5D490A19DC5FD4476954E774B	
230	CN = GlobalSign CodeSigning CA - G2, O = GlobalSign nv-sa, C = BE	FFFE077503FD72F0E5338B0A7B4E218E7D1FF82E493E7E852AE51AA1C7585D17	
231	CN = GlobalSign CodeSigning CA - G3, O = GlobalSign nv-sa, C = BE	4047C9D69260C07213BCB8608A7EC5E2838A56B79F67847812EAC0778D0D27F1	
232	CN = GlobalSign CodeSigning CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BE40813869AB27A071D12AD6A8830583EBC3B618E3F2346359F4B11A1C9434EE	
233	CN = GlobalSign CodeSigning CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	FB54EEA9BCE8E9EA9782154F3D414277FB709F49B947D73978AC278546C2CE03	

EV Code Signing CA			
#	Subject DN	SHA256 Fingerprint	Other information
234	CN = GlobalSign GCC R45 EV CodeSigning CA 2020, O = GlobalSign nv-sa, C = BE	CD0E144DD10BAC221FE2FB901058D16450A0578B3C47C770908F2E9ADA28EF12	
235	CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1E864278C20881B671C0C6D2E14B61150AD1F13CF92C6EC14B550DCBC47E1541	
236	CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	DD038E87E0B4D2C369680D3DE78638AB39FC1D7E50632996921101768DB8D4D8	

Timestamp CA			
#	Subject DN	SHA256 Fingerprint	Other information
237	CN = GlobalSign Atlas R45 TimeStamping CA 2022, O = GlobalSign nv-sa, C = BE	0C74179FDE6EFAD4A052C55DF083048430560483706179F305102E0C74B96CCB	
238	CN = GlobalSign Atlas E46 TimeStamping CA 2022, O = GlobalSign nv-sa, C = BE	FE7C73361732C6C64739FA83A1D7C781EE1AEA990A605AD2FC72FB9586A452FC	
239	CN = GlobalSign E46 AATL TimeStamping Root CA 2021, O = GlobalSign nv-sa, C = BE	2A34A0225DBC82845E8C5F2F13897179A9B2D91E74D93BDE0021F4F89804E59F	
240	CN = GlobalSign R45 AATL TimeStamping Root CA 2021, O = GlobalSign nv-sa, C = BE	3A6224E6EF98D0C4770C229E89CFA346623DF5A250D4B68D04CD5DA4BD85C4CE	
241	CN = GlobalSign Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	F642418E4D0C63DEC785C960EFA68BA745F38851744EF81F225CB89305314D50	
242	CN = GlobalSign TSA CA for AATL, O = GlobalSign nv-sa, C = BE	4D8EB49380EC72AC9FDF21FE1C6DB2E9490C76BEADD1F7B528C3CCD272C8FE28	
243	CN = GlobalSign Qualified Time Stamping CA 2019, O = GlobalSign nv-sa, C = BE	74ABE5E5CCEB75491FF72C4CF325405D8ADBFE390E189CF430BA60E62798878E	
244	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas ECCR5 Qualified Timestamping CA 2020, O = GlobalSign nv-sa, C = BE	E55A4FE881A4B0433674EC0E5CC261A99CCE3FEF649528C7218085BEDCD11512	

Timestamp CA			
#	Subject DN	SHA256 Fingerprint	Other information
245	CN = GlobalSign Partners Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	2A015531A5F3A4CE589BD853C71DD069587322F574D85C9C9B9F9DF8F86C075E	
246	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas ECCR5 UK Qualified Timestamping CA 2020, O = GMO GlobalSign Ltd, C = GB	40382F8827B75D25705A6B3DA32533C5F4218BD7FA697CB0B300E8F47047FBC9	
247	CN = GlobalSign Atlas E46 Qualified Timestamping CA 2022, O = GlobalSign nv-sa, C = BE	FE0FC91A867975373ED2872CB3BD3DB708256D7C3A978486AF001CC008C1EBCC	
248	CN = GlobalSign Timestamping CA - G3, O = GlobalSign nv-sa, C = BE	95C6A747DD0BC755A1941827E894B8083592241B792541E2EB1B30FB9B13F57F	
249	CN = GlobalSign Timestamping CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	BE33D1C57EBDDD927B57BDB604BE457B552FE568E7F3DCBA093C39ED1C30A239	
250	CN = GlobalSign Timestamping CA - G2, O = GlobalSign nv-sa, C = BE	C977923C771E1A66C925A2B6F501732E678DC9887AFE6BFAAC039D1D9A71F0EC	
251	CN = GlobalSign Timestamping CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	9BF9496777D14425ED0086C1BB2C0707B62A61C194C5162E4F07637AFF166B76	
252	CN = GlobalSign Timestamping CA, O = GlobalSign, OU = Timestamping CA	D0CAE6947BC77F0B495CA808D6CDE685FCD20225E1E530B635B113ED40728EF3	
253	CN = GlobalSign Timestamping CA - R3, O = GlobalSign, OU = Timestamping CA	61C1067083AE044EF1D649CE590BBF09D9D739E025DA8D195F71CFAAD6EBAE69	

Timestamp CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
254	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Timestamping CA 2024, O = GlobalSign nv-sa, C = BE	984721239B82A5630CDECA98C0AD5B384FFB0E9DFF6767A0390510982AAA1AFB	
255	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Timestamping CA 2020, O = GlobalSign nv-sa, C = BE	D86E6264D58E4CA78AF419740D8186EA8EC48F0C33B4B4D7CA027931D627B1C8	
256	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas R45 UK Qualified Timestamping CA 2020, O = GMO GlobalSign Ltd, C = GB	4C03F2D6941F2DFCA27EDC599F385E6CD3FFD0CC842F2CCB95B77580A2D1FF93	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
257	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	D531F24E655D1F28A344BD3E0E9B141CE88A4139C61CB0CF5184EF2E2B9531A7	
258	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	DDD73ABF0259F18F77CA598C2745EA18243526B10D371D7E3B088D68C88C0A97	
259	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	90D87E23B012A357851472CE9F4E49201F67BA9EC1FB9CD236C0C5AAA15FFE9E	
260	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	814179F36A71529C915C540261E44638E37A4FCE879740F0CE7351A8E9291A03	
261	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	0E95B3411E3806ECF7C4C6026956F3E5F3EB1EC096C0F982CAD30ECB37AFFC85	
262	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	163B5F69720164075C16CE760A93C85D5073CD5A0D41C7A3AFB0B5E75B3DC646	
263	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6F9C3FC5636C7E800EB1BDDFD33AAF98495C130DBF48F9BAF4AB7A1F665DFB4	
264	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	7C4E78C74B4818D17EF8B8AB91E32DB4F7E3CE84A0C5E47AAA62AE39FAB60D01	
265	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	B75840FEA15C545335CD4BA58B707F53524CE984655AEBCC248A57E6F2403A8B	

#	Subject DN	SHA256 Fingerprint	Other information
	S/MIME Issuing CA		
266	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	BEE8FB99D7B9EC0CAEF1B1A6ACFFEABD777E31CBAC2D0E1846BDAEC4D5B18BE8	
267	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	3EFEC6B78BC4864625AB1A3D286AB0A4440D86DB98E07891859CCE3CE7BCA3CA	
268	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	C50DECEFBC246CB07F4FEB282A7633337721F787F8EB68D897F05284FF94FA8A	
269	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	A2F5C0CD7364E1123B21556FB7999BEA8E9F0AEF399A3544CD12EB83C238BA1E	
270	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	A4819D67CC975AC71BC9315FA08DFA5AFFB9A537D79A6865FEF574F28ED5B52B	
271	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	19B57472F46A480A721F03275647D4E5DF7FC790BCF7603DD5C8F9F35F7DE117	
272	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	5B92AF30724309D82A1DEDDFB0975A336A7C7A45DDCAB6E0D24A48EBC49575B9	
273	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	6390D54F26A13B6511B25130EC0580987AFAB843F15A1E16695AA456BD36C043	
274	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	31BBB081F0B0811DB4AE11A7D2B36168A98DE8230253423F13B5B241A0E8C707	

S/MIME Issuing CA

#	Subject DN	SHA256 Fingerprint	Other information
275	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	65BAE54958A42CD00D08DA3AC63641B3D74F2B38C1EC14F29CFF13A7136E88A9	
276	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	487A1BBFE1106CF575F04196CAE3D987D990A29640F4CA5C8994830131541DA1	
277	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	CCBED114280CFAA28407DF31913F99CA2F212B52E52CD3E150F8CD448EE459C3	
278	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	CDA61B2C3AEDD28FEEC05F6D0AE4102A1BD001CB4ED7F590F4A0B4B1EADD9B02	
279	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	1E95983E605565A3647135FFF16E28070E037CDB8AF714D06C9CFBD0BB285D35	
280	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	DB8F5C248790FADCF1A3F405F1163C977B643056887CB6469D674AF5CEF46B5A	
281	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	3FA4A9B65FDF6876FE668DFECC434932EBC254FD741119FC432A5989A085F320	
282	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6FAD88040CA2A7301B7ABA5094E9610B344368C2D37A99D0EDC6F0CD534B297	
283	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	E733E7E3E4AA765948CF4226391B49A72A0FEBF511E52DF96DF28398AFF61816	

S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
284	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	6C450398A321440532FE2FA41B31ABF13ADA8A94274D0397E6F24D18CED77A66	
285	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	6FC0296F355073DD3622150FB496EB455C8C547146191076C5AF76FA9C36C238	
286	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	7BB16E460DFF6DBC33D941D5552D494B71E776B79FFDE7A5C0413F64A768931E	
287	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	9506357B3B18E56BAEEBE95B7B9CB873A7C8AC973239DAA4D0BCEAAFFC527404	
288	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	6A9BE0304446B285BC45477B0C9495281E4F99FF4E4441DCF8AE16C0E49F3379	
289	CN = Riksgälden Insättningsgarantin GCC R6 SMIME CA 2023, O = Riksgälden, C = SE	B0959E4BF3FEF426496F44615FA955359DEB6C30D0A67866FCE40FF3122F7F4F	
290	CN = Trafigura PTE Ltd Atlas R45 SMIME CA 2020, O = Trafigura PTE Ltd, C = SG	36FCE16CC976727765DF5E9FADB12C544D704C35150D1F17DDE1A42A85B88BE4	
291	CN = FIFCO Atlas R45 SMIME CA 2020, O = FIFCO, C = CR	80642AAC7C782BCDB0C3F6F385488F9BE3BB2DE30B863009E74B29F026C9EAE6	

S/MIME Issuing CA

#	Subject DN	SHA256 Fingerprint	Other information
292	CN=Quálitas Compañía de Seguros S.A. de C.V. GCC R3 CA 2020, O=Quálitas Compañía de Seguros S.A. de C.V., C=MX	795A8468D098E3729E6A17920AA6D8F27E84DC180F85C9B28A77FB368DCC7895	
293	CN = Accenture Federal Services GCC R3 Global CA 2020, O = Accenture Federal Services LLC, C = US	9D61B40ECFE094B415FBF6AEEA1FDB27A1A4C3B6FD9008D768777D6D7FBAAEE9	
294	CN = GlobalSign Atlas R3 SMIME CA 2020, O = GlobalSign nv-sa, C = BE	479D6A0980722966237F06C41842EE796B55D4D00A0D663B785D48433A29156E	
295	CN = HERTZ GCC R45 SMIME CA 2020, O = The HERTZ Corporation, C = US	013C13426B92F703BA573D9E16C2E35AECA26C60F606B88D3CE2150C94D56C14	
296	CN = EY LLP GCC R3 SMIME CA 2020, O = Ernst & Young LLP, C = GB	3A093122808FFFA440E19824D0BC7CD6B01D8D8277F7F42FA16E80A0205D4A7A	
297	CN = European GNSS Agency Atlas R45 SMIME CA 2021, O = European GNSS Agency (GSA), C = CZ	F4EFE27C6B037747B3A89E23EE23C1B70A24DEB53B2E02F423BB0F73E1822267	
298	CN = GlobalSign Atlas R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	4A50CA65DB216AD62D260C5EC1D9CAE225E7BF961329817E0E93B97DEC3D277C	
299	CN = GlobalSign GCC R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	36D7314848ACCB3E4C5792D1B07120B1035BFB8B67E6600952D6745F5D6E22BD	
300	CN = Hyperion GCC R3 SMIME CA 2020, O = Hyperion Services Ltd., C = GB	9537738522B6A87FCF8338CF270203CCF1A7770BB14BB23FA2882A05FFB804E4	Revoked on June 28, 2023

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
301	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	33EF151EFB08D1C44FB85CC3F23EC6873014E9F881691BD4938B7F251580B694	
302	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	05E0634B1FEB98AE6B4CF101728CF9D5A1793CEACE301506FF332B22D4CF08EB	
303	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	C84E1378B974A991ACDCDD733421E3061E6FA21A0491C8902BAFDE3855E0063E	
304	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	F349954E8FB6D44011BCB789D97D9A2CB2032BD5F0B598D1FB8A099F5848D523	
305	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A5E33C28E3013A71F5F760AE3B16595090043D2EC5209EC52903C4FBAD258DAD	
306	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	DDA8DA736187D76F4F0ED5A5F667B54D99A98AE06091D0E3A01714E9221695AD	
307	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	0F1554C2FD591B0256A608E1C136A837E7A6E041561EE08A911B2AFDCD3C6C1B	
308	CN = GlobalSign Code Signing Root R45, O = GlobalSign nv-sa, C = BE	6385DDCD1B768648267EE5122897CA085FC45D6030ECB55098F583AF152AA4A6	
309	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A63C1398B5F8DD2D432FBE4C2C19142BEA6D5D0221FAE794718AE7597ACCA96D	
310	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	3F319B2AFED4A0F75127BE59925550D0428E68763A09E273EB6A9FF8D18DBB5B	

	Other CA		
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
311	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	45CB1D874CB03BD5C5B6E079C8FC29E51521EE5628486301964A41F94BA59F88	
312	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	1DF6054D6641404633641BB5FA3742FDA7D075E2514840AB61E00CCBBB7D341D	
313	CN = GlobalSign GCC R42 Verified Mark CA 2023, O = GlobalSign nv-sa, C = BE	0FA93B3456322B7672C6B9616E09944E091E9DBDC63FF029B110400688CD4983	
314	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	445EEC78BC61215044A0379656AA2D5DB5E42F76CB70B8D14C2077AA943D4EBB	
315	CN = GlobalSign Partners TSA CA for AATL, O = GlobalSign nv-sa, C = BE	7E8F914119BB1090D6204908E5AE1F40BE24C1491CD7D5CFB6A93618CBC00FD9	
316	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	3DA135562E942799D547CA72EA57D7AC03791B24D4E24BA2E1E1331E8A1678F0	
317	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	5268C94573AF66BA5A3DE979F2048DE43BD4B68AF0B73A2D639159FAFE637F69	
318	CN = GlobalSign GCC R3 PersonalSign 1 CA 2020, O = GlobalSign nv-sa, C = BE	583C7FC250856B7F947FC7CC076FE216273CA1713D122C2E5D8F6038FD6E3562	
319	CN = GlobalSign GCC R6 AATL CA 2020, O = GlobalSign nv-sa, C = BE	75CC6021036890EAC71853FAE8382CF8DB33DC41706F42AAFE421E98AD38174C	

Other CA

#	Subject DN	SHA256 Fingerprint	Other information
320	CN = JCAN Public CA1 - G4, OU = JCAN Public CA1 - G4, O = JIPDEC, C = JP	9AC4C8E358C095C998122ADD17A336C0AC597ECBECB7EDC3F58A75040CF94A5F	
321	CN = GlobalSign GCC R3 PersonalSign 2 CA 2020, O = GlobalSign nv-sa, C = BE	F0DBB9E90E6643CCB23660147E5DE24760440089D96F4AD0D82F66C3E7DA5C20	
322	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	F375270F2F216B9F62CC31795619F6FE1943DF65D1B198D3341170A40725BFC7	
323	CN = GlobalSign CA for AATL - SHA384 - G4, O = GlobalSign nv-sa, C = BE	AC0AB963BB5F3DA05FBC8687F98C2B6EA0BB499E6118C1A9136B1BC7C3C71A6B	
324	CN = GlobalSign Code Signing Root E45, O = GlobalSign nv-sa, C = BE	E506B72BB97A14D24959A0D1A977E1ACDB6155D68FB4846885E544D147E7D577	
325	CN = GlobalSign, OU = GlobalSign Root CA - R6, O = GlobalSign	75BFB522CC4B58DA22EE488517C5F2EFF92576D20F595F9ACE483A036FC1BB6B	
326	CN = Trusted Root nonTLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	3A30D4A3043F195609E30F747754699CC6CC97E1F5FCB83DE87E659E579E39AD	
327	CN = AbbVie Atlas R6 AATL ICA 2020, O = AbbVie, Inc., C = US	6509F94BCA4DC619F3E732D533ACD3D0F10ABA102A13123B6AF737C8E12DAA21	
328	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5B87841E80AAFE877804E56694473DCA8BB9F1FF4FFCF885A3DAFD24463FCB64	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
329	CN = GlobalSign Timestamping Root R45, O = GlobalSign nv-sa, C = BE	6AFBC07C724C6F75C7743392F32BF5780BD5DD39268544D4882E7AEC1ADD0282	
330	CN = GlobalSign, OU = GlobalSign Root CA - R3, O = GlobalSign	2510E248903F01B63F9398179E5506979F0EF507E4174B657AF6F770A417EC94	
331	CN = GlobalSign, OU = GlobalSign ECC Root CA - R5, O = GlobalSign	0AED971671F8FE67EBA28817550AFEE946FDC2C52250003A6CFB87BC5AAD8A04	
332	CN = GlobalSign Atlas R45 AATL CA 2020, O = GlobalSign nv-sa, C = BE	65573E11BB13C6ED115E0B90E2C30B1E4DE4D5CAC1B31EAB2D417C32A3DA5D79	
333	CN = GlobalSign GCC R45 AATL CA 2020, O = GlobalSign nv-sa, C = BE	BCF8D9040635C95E84F9FEDDF36F9422C0D215C23798E9C2D5F3798ECF27B68A	
334	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Remote Signing CA 2020, O = GlobalSign nv-sa, C = BE	323F35F0DFB01D6B478C24026C66852AAD3E96DCB1C5BE17C1DA1EC47D77CC87	
335	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas R45 UK Qualified Remote Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	0958E7A84F392A4F3B7DC5E30FDC8DF733E69B44C68C16FC0DA1741C08419DA0	
336	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified QSCD Signing CA 2020, O = GlobalSign nv-sa, C = BE	1B728D4A76506634A11007912F1D8C6B9AA39BE1AFCA49096657CF1FFB4513BF	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
337	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Signing CA 2020, O = GlobalSign nv-sa, C = BE	4E1474CFEB41D048C7E1E2C975D69AD3FD739BD44577A80D0432F233D51C5C77	
338	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified QSCD Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	91F881C556A920B92C4C48221FAAC19615437CF4ACB7D079C0B426BF3483B3AE	
339	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Remote Signing CA 2020, O = GlobalSign nv-sa, C = BE	5CB0FDEF052BD18A0A40ADA2235F46EB42B6D0993ED5A50DE47E3EA12FF191B1	
340	organizationIdentifier = NTRGB-04705639, CN = GlobalSign Atlas E45 UK Qualified Remote Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	B89EBBFC57AE60653C676B8EB399DC9415BBB738CB0370651A86BFF075C83A39	
341	CN = GlobalSign E45 AATL Root CA 2020, O = GlobalSign nv-sa, C = BE	87903E20623512D28BDBFACE4D41BD50F5BA6B1B2E8CCAB134CE161769EAEC00	
342	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified QSCD Signing CA 2020, O = GlobalSign nv-sa, C = BE	8115E2CB4F04E56EA70EA932D0622831DD53B22BF6A93B3ACD9125FAB0374AF1	

#	Subject DN	SHA256 Fingerprint	Other information
	Other CA		
343	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified Signing CA 2020, O = GlobalSign nv-sa, C = BE	35E9429CDE680D8D5311CDD46FAEF0AEE694B0556C3D69C4F670E243D64C87FE	
344	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified QSCD Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	712C42F3C0FA3BDFA11B22AC9811C8EB912C4B464B43C705825DEEDC1195AD33	
345	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	28CB8EE23E7BDBBF40B2959A57BB589991C2635CD3B71AAB0E84F993C559D29F	
346	CN = GlobalSign GCC R45 PersonalSign 3 CA 2020, O = GlobalSign nv-sa, C = BE	50161C1232F32E8057879F9C7651A9088F5AA1EF5AC9A9A4BD445C6E788EA6F8	
347	CN = InComm Agent Solutions Inc Atlas Issuing CA 2020, O = InComm Agent Solutions Inc, C = US	4DFD9A61EB32208A94F15719FF2EC71449BCB0F344C18D5D1D3994A6C30EC92E	
348	CN = NAESB GCC R45 Client Authentication CA 2020, O = GMO GlobalSign Inc., C = US	5EBD04144508FADD1B9DB79FF62B826D6FF893987B1534C0F8EEC2261D6AC452	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
349	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Non QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	DBFF9EBA713FF77B60D52B37F35C5AD52D9CD06412F3BAD9128D77D95C7B887E	
350	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	625597092D6B09F1AB74ECF29F38E0E1C41AF487594B23489A8A604687ACAD99	
351	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	7A25E3C7B2B3325C5E65D01B9F6FF474ADE4BBCC8CCA3D7F29655352386F36B7	
352	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Non QSCD Signing CA 2021, O = GlobalSign nv-sa, C = BE	96B67EB3D828223480405557E3993A3B1781D527294D1978EB0C4ABCC6F40AF2	
353	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified Signing CA 2020, O = GMO GlobalSign Ltd, C = GB	F5E9E2705AB0C93E80652D2DEB573AB01D6700597BDA122BC08BA97FDC713368	
354	CN = GlobalSign R45 AATL Root CA 2020, O = GlobalSign nv-sa, C = BE	B296DC3BCF451217D7AD4F84FB8EE25CC92FC659CAFA0EB4A8B5B4DB3D0215C2	
355	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	24E9A5B561CDFEFEEEB73245DAC1B04465C513F936621D21902DD8A58FD6C461	

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
356	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Remote QSCD Delegated RA CA 2022, O = GlobalSign nv-sa, C = BE	AD304215A70BF5D06E84973BF49862F10CFF490DA9C97D1D6FA6934F8E3C98AF	
357	CN = GlobalSign GCC R45 PersonalSign 3 CA 2022, O = GlobalSign nv-sa, C = BE	9153DB840DA0BDD27A0A2FCA32E4E278AF54C3580F3C45FACA402C70E6E4DA5C	
358	CN = RT2 Atlas Client Authentication ICA 2022, O = Real Time Technologies, Inc., C = US	086E13C1B237ABB0B2FD6A3424419E6F241BBB849CB60054F2309F1480592B5F	
359	CN = GTS Root R1, O = Google Trust Services LLC, C = US	3EE0278DF71FA3C125C4CD487F01D774694E6FC57E0CD94C24EFD769133918E5	In Google Trust Services LLC Audit Report (*)
360	CN = GTS Root R4, O = Google Trust Services LLC, C = US	76B27B80A58027DC3CF1DA68DAC17010ED93997D0B603E2FADBE85012493B5A7	In Google Trust Services LLC Audit Report (*)
361	CN = GlobalSign GCC E45 Client Authentication CA 2023, O = GlobalSign nv-sa, C = BE	ED8C173B5AA6C71B4456E10C2D9841D2F8B358E093C24BE021508EB0E79505A6	
362	CN = Hongkong Post Root CA 3, O = Hongkong Post, L = Hong Kong, ST = Hong Kong, C = HK	00482341B104A0DE6E0F1D508DB84CB514F7494FE04982133A5C750136C55DC8	In Hong Kong Post Audit Report (*)
363	CN = AbbVie Atlas R45 AATL CA 2022, O = AbbVie, Inc., C = US	6FD7EEFF0B14D389FC8115B4FCDF64EED38F29573F0B3969C71BEB0FE55C3F5B	

Other CA			
#	**Subject DN**	**SHA256 Fingerprint**	**Other information**
364	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	C94FEDDA4E8608908580BC7F87B434E03BB262E42F64C63820A8F50FB17C1CEC	
365	CN = GlobalSign CA for AATL - SHA256 - G3, O = GlobalSign nv-sa, C = BE	2E8820DC0EAFAE3D6D285C057ECE14470B377438B002CEDD4C72B4F343A54F43	
366	CN = GlobalSign CA for AATL - SHA256 - G2, O = GlobalSign nv-sa, C = BE	AA89C466E9D06882C0DAAF72BE0F0FBCFE7C1EF2AAAD190640C4AD44F5517F34	
367	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified QSCD Signing CA 2024, O = GlobalSign nv-sa, C = BE	13D7E765FE222EC2590008EF8EF43C0C9BC256B87F2705B16D80AAB256843040	
368	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Signing CA 2024, O = GlobalSign nv-sa, C = BE	4586A569DFD4C8DDBC4703805A14F9FDADF3D6C7CEFCC127868A49B21FFA7C76	
369	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Remote Signing CA 2024, O = GlobalSign nv-sa, C = BE	5F4DE9476933306D850B530E01F543E70B461D48E402188F4E500679C304ED22	
370	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas E45 Qualified Authentication CA 2021, O = GlobalSign nv-sa, C = BE	102DCE6691C0B6DF7CD2521AF88C3546D7582A2CB7DAAD087F9C7DB2AF8351C5	Revoked on October 20, 2023

Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
371	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign Atlas R45 Qualified Authentication CA 2021, O = GlobalSign nv-sa, C = BE	9BBAB193D19DBA9BA86497C633E89EB421131D29B64129B449832BEC2CC8259F	Revoked on October 20, 2023
372	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC E45 Qualified Authentication CA 2020, O = GlobalSign nv-sa, C = BE	5F2155F9A7444615C673994CDA99E963BB558A367B20305520E93D15EF3AF4E8	Revoked on October 20, 2023
373	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC E45 UK Qualified Authentication CA 2020, O = GMO GlobalSign Ltd, C = GB	1DBC5465732AC3232FF12641C2898EA0F239D06186DD1B085496ABC6E5BD07F2	Revoked on October 20, 2023
374	organizationIdentifier = NTRBE-0459134256, CN = GlobalSign GCC R45 Qualified Authentication CA 2020, O = GlobalSign nv-sa, C = BE	E042DA36AA8B9A290A525B63AFBBD42E3DBA8286F7100C7981799C6EF2F8919C	Revoked on October 20, 2023
375	organizationIdentifier = NTRGB-04705639, CN = GlobalSign GCC R45 UK Qualified Authentication CA 2020, O = GMO GlobalSign Ltd, C = GB	EEE8A6FBDE0B1340552AE739832A686FE96103435AE1FCE9392D655E00D8670D	Revoked on October 20, 2023

* The cross-signed certificate was signed with a key controlled by GlobalSign, and the certificate is subject to GlobalSign's CP/CPS.
While the cross-signing establishes a trusted relationship, the cross-signed certificate is not controlled by GlobalSign.

Appendix C: Locations

Location identifier	Country	State / Province
AE-01	United Arab Emirates	Dubai
BE-01	Belgium	Vlaams-Brabant
BR-01	Brazil	Minas Gerais
CN-01	China	Shanghai
IN-01	India	Delhi
JP-01	Japan	Tokyo
JP-02	Japan	Yamaguchi
JP-03	Japan	Tokyo
JP-04	Japan	Tokyo
JP-05	Japan	Tokyo
PH-01	Philippines	Makati
RU-01	Russia	Moscow
SG-01	Singapore	Singapore
SG-02	Singapore	Singapore
UK-01	United Kingdom	Kent
UK-02	United Kingdom	London
UK-03	United Kingdom	London
US-01	United States	New Hampshire

Appendix D: Publicly disclosed incidents

ID	Disclosure	Publicly Disclosed Link
1829195	GlobalSign: CRLs reported in CCADB unavailable	Bugzilla Ticket Link
1836443	GlobalSign: Issuance of test EV SSL/QWAC pre-certificate with no EKU extension	Bugzilla Ticket Link
1845803	GlobalSign: Three (3) revoked precertificates with reasonCode "certificateHold"	Bugzilla Ticket Link
1850091	GlobalSign: EV TLS certificate with only metadata in JOI State field	Bugzilla Ticket Link
1866806	GlobalSign: S/MIME Sponsor validated certificates with CommonName value equal to OrganizationName	Bugzilla Ticket Link
1870276	GlobalSign: TLS OV Certificate containing unverified information	Bugzilla Ticket Link