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## 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 September 1, 2023 to March 31, 2024 for its CAs as enumerated in [Appendix B](#), GlobalSign has:

- disclosed its S/MIME certificate lifecycle management business practices in the applicable versions of the Certificate Practice Statements and Certificate Policies, as enumerated in [Appendix A](#), including its commitment to provide S/MIME certificates in conformity with the CA/Browser Forum Requirements on the GlobalSign's website, and provided such services in accordance with its disclosed practices;
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and S/MIME certificates it manages is established and protected throughout their lifecycles; and
  - S/MIME subscriber information is properly authenticated (for the registration activities performed by GlobalSign);
- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity
- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum that are incorporated by reference

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – S/MIME Certificates, version 1.0.1](#).

### 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 the WebTrust Principles and Criteria for Certification Authorities – S/MIME Certificates, version 1.0.1.



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## 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 International Standard on Quality Control 1, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements. 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 S/MIME certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of S/MIME certificates and obtaining an understanding of GlobalSign's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
2. selectively testing transactions executed in accordance with disclosed S/MIME certificate lifecycle management 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.



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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 September 1, 2023 to March 31, 2024, GlobalSign management's assertion, as referred to above, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities – S/MIME Certificates, version 1.0.1.

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 – S/MIME Certificates, version 1.0.1, nor the suitability of any of GlobalSign's services for any customer's intended purpose.

### **Use of the WebTrust seal**

GlobalSign's use of the WebTrust for Certification Authorities – S/MIME Certificates 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



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## Appendix A - Certification Practice Statements and Certificate Policies in Scope

Certification Practice statement	Begin Effective Date	End Effective Date
<a href="#">Version 10.1</a>	August 21, 2023	November 15, 2023
<a href="#">Version 10.2</a>	November 15, 2023	March 29, 2024
<a href="#">Version 10.3</a>	March 29, 2024	

Certification Policy	Begin Effective Date	End Effective Date
<a href="#">Version 7.1</a>	August 21, 2023	November 15, 2023
<a href="#">Version 7.2</a>	November 15, 2023	March 29, 2024
<a href="#">Version 7.3</a>	March 29, 2024	



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**Appendix B - List of CAs in scope**

The following CAs were in scope of the WebTrust for Cas – S/MIME 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	2CABEAFFE37D06CA22ABA7391C0033D25982952C453647349763A3AB5AD6CCF69	
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	



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<b>Root CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
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	F86973BDD0514735E10C1190D0345BF89C77E1C4ADB3F65963B803FD3C9E1FF	
13	CN = GlobalSign Timestamping Root R45, O = GlobalSign nv-sa, C = BE	2BCBBFD66282C680491C8CD7735FDBB7A8079B127BEC60C535976834399AF7	
14	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	165C7E810BD37C1D57CE9849ACCD500E5CB01EEA37DC550DB07E598AAD2474A8	
15	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	8B0F0FAA2C00FE0532A8A54E7BC5FD139C1922C4F10F0B16E10FB8BE1A634964	
16	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	4774674B94B78F5CCBEF89FDDEBDABBD894A71B55576B8CC5E6876BA3EAB4538	



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<b>DV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
17	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	37D080A5E9A526663E56EE20DE4BD9F7952DACC341491439080167AD5DD18CAC	
18	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	8C2410F76B149CA062B420AB611B6BF0A06E6E799A29587E4D4EC16D0537B7EA	
19	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BFDF4CF3F143AD0DB912D8AB3A7C12F617B9EA60CE8B1F4E44F74270FB21B19B	
20	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	EE793643199474ED60EFDC8CCDE4D37445921683593AA751BBF8EE491A391E97	
21	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	5A817EADA4AD78734EBB2CF674352D97F4352290C40EAF10E764B1EAC075B0E6	



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<b>OV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
22	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1C9737E968AD9DFF8D8D7FCF996A144BB97851A19011A0190C943CAE8D43CFE0	
23	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	74EF335E5E18788307FB9D89CB704BEC112ABD23487DBFF41C4DED5070F241D9	
24	CN = GlobalSign ECC OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	87C71553445EB3C33C3E0710711B99E9C7773F04D91AC38A9F4C082EE24101EA	
25	CN = GlobalSign RSA OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	B676FFA3179E8812093A1B5EAFEE876AE7A6AAF231078DAD1BFB21CD2893764A	





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<b>EV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
26	CN = GlobalSign ECC EV SSL CA 2018, O = GlobalSign nv-sa, C = BE	8F19FFE02FC795ED70765D1436ADDF772FE0F0773DA436EDBDB42A2E30E2E828	
27	CN = GlobalSign Extended Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	AED5DD9A5339685DFB029F6D89A14335A96512C3CACC52B2994AF8B6B37FA4D2	



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<b>Timestamp CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
28	CN = GlobalSign Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	F642418E4D0C63DEC785C960EFA68BA745F38851744EF81F225CB89305314D50	
29	CN = GlobalSign TSA CA for AATL, O = GlobalSign nv-sa, C = BE	4D8EB49380EC72AC9DFD21FE1C6DB2E9490C76BEADD1F7B528C3CCD272C8FE28	
30	CN = GlobalSign Partners Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	2A015531A5F3A4CE589BD853C71DD069587322F574D85C9C9B9F9DF8F86C075E	
31	CN = GlobalSign Timestamping CA - G2, O = GlobalSign nv-sa, C = BE	C977923C771E1A66C925A2B6F501732E678DC9887AFE6BFAAC039D1D9A71F0EC	
32	CN = GlobalSign Timestamping CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	9BF9496777D14425ED0086C1BB2C0707B62A61C194C5162E4F07637AFF166B76	
33	CN = GlobalSign Timestamping CA, O = GlobalSign, OU = Timestamping CA	D0CAE6947BC77F0B495CA808D6CDE685FCD20225E1E530B635B113ED40728EF3	
34	CN = GlobalSign Timestamping CA - R3, O = GlobalSign, OU = Timestamping CA	61C1067083AE044EF1D649CE590BBF09D9D739E025DA8D195F71CFAAD6EBAE69	



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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
35	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	D531F24E655D1F28A344BD3E0E9B141CE88A4139C61CB0CF5184EF2E2B9531A7	
36	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	DDD73ABF0259F18F77CA598C2745EA18243526B10D371D7E3B088D68C88C0A97	
37	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	90D87E23B012A357851472CE9F4E49201F67BA9EC1FB9CD236C0C5AAA15FFE9E	
38	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	814179F36A71529C915C540261E44638E37A4FCE879740F0CE7351A8E9291A03	
39	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	0E95B3411E3806ECF7C4C6026956F3E5F3EB1EC096C0F982CAD30ECB37AFFC85	
40	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	163B5F69720164075C16CE760A93C85D5073CD5A0D41C7A3AFB0B5E75B3DC646	
41	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6F9C3FC5636C7E800EB1BDDFD33AAF98495C130DBF48F9BAF4AB7A1F665DFB4	
42	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	7C4E78C74B4818D17EF8B8AB91E32DB4F7E3CE84A0C5E47AAA62AE39FAB60D01	
43	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	B75840FEA15C545335CD4BA58B707F53524CE984655AEBCC248A57E6F2403A8B	



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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
44	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	BEE8FB99D7B9EC0CAEF1B1A6ACFFEABD777E31CBAC2D0E1846BDAEC4D5B18BE8	
45	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	3EFEC6B78BC4864625AB1A3D286AB0A4440D86DB98E07891859CCE3CE7BCA3CA	
46	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	C50DECEFBBC246CB07F4FEB282A7633337721F787F8EB68D897F05284FF94FA8A	
47	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	A2F5C0CD7364E1123B21556FB7999BEA8E9F0AEF399A3544CD12EB83C238BA1E	
48	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	A4819D67CC975AC71BC9315FA08DFA5AFFB9A537D79A6865FEF574F28ED5B52B	
49	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	19B57472F46A480A721F03275647D4E5DF7FC790BCF7603DD5C8F9F35F7DE117	
50	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	5B92AF30724309D82A1DEDDFB0975A336A7C7A45DDCAB6E0D24A48EBC49575B9	
51	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	6390D54F26A13B6511B25130EC0580987AFAB843F15A1E16695AA456BD36C043	
52	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	31BBB081F0B0811DB4AE11A7D2B36168A98DE8230253423F13B5B241A0E8C707	



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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
53	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	65BAE54958A42CD00D08DA3AC63641B3D74F2B38C1EC14F29CFF13A7136E88A9	
54	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	487A1BBFE1106CF575F04196CAE3D987D990A29640F4CA5C8994830131541DA1	
55	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	CCBED114280CFAA28407DF31913F99CA2F212B52E52CD3E150F8CD448EE459C3	
56	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	CDA61B2C3AEDD28FEEC05F6D0AE4102A1BD001CB4ED7F590F4A0B4B1EADD9B02	
57	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	1E95983E605565A3647135FFF16E28070E037CDB8AF714D06C9CFBD0BB285D35	
58	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	DB8F5C248790FADCF1A3F405F1163C977B643056887CB6469D674AF5CEF46B5A	
59	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	3FA4A9B65FDF6876FE668DFECC434932EBC254FD741119FC432A5989A085F320	
60	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6FAD88040CA2A7301B7ABA5094E9610B344368C2D37A99D0EDC6F0CD534B297	
61	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	E733E7E3E4AA765948CF4226391B49A72A0FEBF511E52DF96DF28398AFF61816	



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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
62	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	6C450398A321440532FE2FA41B31ABF13ADA8A94274D0397E6F24D18CED77A66	
63	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	6FC0296F355073DD3622150FB496EB455C8C547146191076C5AF76FA9C36C238	
64	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	7BB16E460DFF6DBC33D941D5552D494B71E776B79FFDE7A5C0413F64A768931E	
65	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	9506357B3B18E56BAEEBE95B7B9CB873A7C8AC973239DAA4D0BCEAAFFC527404	
66	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	6A9BE0304446B285BC45477B0C9495281E4F99FF4E4441DCF8AE16C0E49F3379	
67	CN = Riksgälden Insättningsgarantin GCC R6 SMIME CA 2023, O = Riksgälden, C = SE	B0959E4BF3FEF426496F44615FA955359DEB6C30D0A67866FCE40FF3122F7F4F	
68	CN = Trafigura PTE Ltd Atlas R45 SMIME CA 2020, O = Trafigura PTE Ltd, C = SG	36FCE16CC976727765DF5E9FADB12C544D704C35150D1F17DDE1A42A85B88BE4	
69	CN = FIFCO Atlas R45 SMIME CA 2020, O = FIFCO, C = CR	80642AAC7C782BCDB0C3F6F385488F9BE3BB2DE30B863009E74B29F026C9EAE6	
70	CN = Quálitas Compañía de Seguros S.A. de C.V. GCC R3 CA 2020,	795A8468D098E3729E6A17920AA6D8F27E84DC180F85C9B28A77FB368DCC7895	



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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
	O = Quálitas Compañía de Seguros S.A. de C.V., C = MX		
71	CN = Accenture Federal Services GCC R3 Global CA 2020, O = Accenture Federal Services LLC, C = US	9D61B40ECFE094B415FBF6AEEA1FDB27A1A4C3B6FD9008D768777D6D7FBAAEE9	
72	CN = GlobalSign Atlas R3 SMIME CA 2020, O = GlobalSign nv-sa, C = BE	479D6A0980722966237F06C41842EE796B55D4D00A0D663B785D48433A29156E	
73	CN = HERTZ GCC R45 SMIME CA 2020, O = The HERTZ Corporation, C = US	013C13426B92F703BA573D9E16C2E35AECA26C60F606B88D3CE2150C94D56C14	
74	CN = EY LLP GCC R3 SMIME CA 2020, O = Ernst & Young LLP, C = GB	3A093122808FFFA440E19824D0BC7CD6B01D8D8277F7F42FA16E80A0205D4A7A	
75	CN = European GNSS Agency Atlas R45 SMIME CA 2021, O = European GNSS Agency (GSA), C = CZ	F4EFE27C6B037747B3A89E23EE23C1B70A24DEB53B2E02F423BB0F73E1822267	
76	CN = GlobalSign Atlas R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	4A50CA65DB216AD62D260C5EC1D9CAE225E7BF961329817E0E93B97DEC3D277C	
77	CN = GlobalSign GCC R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	36D7314848ACCB3E4C5792D1B07120B1035BFB8B67E6600952D6745F5D6E22BD	



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<b>Other CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
78	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	33EF151EFB08D1C44FB85CC3F23EC6873014E9F881691BD4938B7F251580B694	
79	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	C84E1378B974A991ACDCDD733421E3061E6FA21A0491C8902BAFDE3855E0063E	
80	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	F349954E8FB6D44011BCB789D97D9A2CB2032BD5F0B598D1FB8A099F5848D523	
81	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A5E33C28E3013A71F5F760AE3B16595090043D2EC5209EC52903C4FBAD258DAD	
82	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	DDA8DA736187D76F4F0ED5A5F667B54D99A98AE06091D0E3A01714E9221695AD	
83	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	0F1554C2FD591B0256A608E1C136A837E7A6E041561EE08A911B2AFDCD3C6C1B	
84	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A63C1398B5F8DD2D432FBE4C2C19142BEA6D5D0221FAE794718AE7597ACCA96D	
85	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	3F319B2AFED4A0F75127BE59925550D0428E68763A09E273EB6A9FF8D18DBB5B	
86	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	45CB1D874CB03BD5C5B6E079C8FC29E51521EE5628486301964A41F94BA59F88	





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*Subject: Independent Auditor's Report WebTrust for CAs – S/MIME*

<b>Other CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
87	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	1DF6054D6641404633641BB5FA3742FDA7D075E2514840AB61E00CCBBB7D341D	
88	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	445EEC78BC61215044A0379656AA2D5DB5E42F76CB70B8D14C2077AA943D4EBB	
89	CN = GlobalSign Partners TSA CA for AATL, O = GlobalSign nv-sa, C = BE	7E8F914119BB1090D6204908E5AE1F40BE24C1491CD7D5CFB6A93618CBC00FD9	
90	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	5268C94573AF66BA5A3DE979F2048DE43BD4B68AF0B73A2D639159FAFE637F69	
91	CN = GlobalSign GCC R3 PersonalSign 1 CA 2020, O = GlobalSign nv-sa, C = BE	583C7FC250856B7F947FC7CC076FE216273CA1713D122C2E5D8F6038FD6E3562	
92	CN = JCAN Public CA1 - G4, OU = JCAN Public CA1 - G4, O = JIPDEC, C = JP	9AC4C8E358C095C998122ADD17A336C0AC597ECBECB7EDC3F58A75040CF94A5F	
93	CN = GlobalSign GCC R3 PersonalSign 2 CA 2020, O = GlobalSign nv-sa, C = BE	F0DBB9E90E6643CCB23660147E5DE24760440089D96F4AD0D82F66C3E7DA5C20	
94	CN = GlobalSign CA for AATL - SHA384 - G4, O = GlobalSign nv-sa, C = BE	AC0AB963BB5F3DA05FBC8687F98C2B6EA0BB499E6118C1A9136B1BC7C3C71A6B	
95	CN = Trusted Root nonTLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	3A30D4A3043F195609E30F747754699CC6CC97E1F5FCB83DE87E659E579E39AD	



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*Subject: Independent Auditor's Report WebTrust for CAs – S/MIME*

<b>Other CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
96	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5B87841E80AAFE877804E56694473DCA8BB9F1FF4FFCF885A3DAFD24463FCB64	
97	CN = GTS Root R1, O = Google Trust Services LLC, C = US	3EE0278DF71FA3C125C4CD487F01D774694E6FC57E0CD94C24EFD769133918E5	In Google Trust Services LLC Audit Report (*)
98	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	C94FEDDA4E8608908580BC7F87B434E03BB262E42F64C63820A8F50FB17C1CEC	
99	CN = GlobalSign CA for AATL - SHA256 - G2, O = GlobalSign nv-sa, C = BE	AA89C466E9D06882C0DAAF72BE0F0FBCFE7C1EF2AAAD190640C4AD44F5517F34	

\* 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.



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## 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



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Subject: Independent Auditor's Report WebTrust for CAs – S/MIME

#### Appendix D - Publicly disclosed incidents

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

## **GLOBALSIGN'S MANAGEMENT ASSERTION**

GlobalSign NV/SA (“GlobalSign”) operates the Certification Authority (CA) services known as disclosed in [Appendix B](#), and provides S/MIME CA services.

The management of GlobalSign is responsible for establishing and maintaining effective controls over its S/MIME CA operations, including its network and certificate security system controls, its S/MIME CA business practices disclosure on its [website](#), S/MIME key lifecycle management controls, and S/MIME 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. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

GlobalSign management has assessed its disclosures of its certificate practices and controls over its S/MIME CA services. Based on that assessment, in providing its S/MIME CA services at its locations as detailed in [Appendix C](#), throughout the period September 1, 2023 to March 31, 2024, GlobalSign has:

- disclosed its S/MIME certificate lifecycle management business practices in the applicable versions of the Certificate Practice Statements and Certificate Policies, as enumerated in [Appendix A](#), including its commitment to provide S/MIME certificates in conformity with the CA/Browser Forum Requirements, on the GlobalSign website, and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that
  - the integrity of keys and S/MIME certificates it manages is established and protected throughout their lifecycles; and
  - S/MIME subscriber information is properly authenticated (for the registration activities performed by GlobalSign)
- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity
- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum that are incorporated by reference.



in accordance with the WebTrust Principles and Criteria for Certification Authorities – S/MIME, version 1.0.1.

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.

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
<u>Version 10.1</u>	August 21, 2023	November 15, 2023
<u>Version 10.2</u>	November 15, 2023	March 29, 2024
<u>Version 10.3</u>	March 29, 2024	

Certification Policy	Begin Effective Date	End Effective Date
<u>Version 7.1</u>	August 21, 2023	November 15, 2023
<u>Version 7.2</u>	November 15, 2023	March 29, 2024
<u>Version 7.3</u>	March 29, 2024	



## Appendix B: List of CAs in scope

The following CAs were in scope of the WebTrust for CA – S/MIME 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	2CABEAFFE37D06CA22ABA7391C0033D25982952C453647349763A3AB5AD6CCF69	
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	





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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 Timestamping Root R45, O = GlobalSign nv-sa, C = BE	2BCBBFD66282C680491C8CD7735FDBBAB7A8079B127BEC60C535976834399AF7	
14	CN = GlobalSign Client Authentication Root R45, O = GlobalSign nv-sa, C = BE	165C7E810BD37C1D57CE9849ACCD500E5CB01EEA37DC550DB07E598AAD2474A8	
15	CN = GlobalSign Client Authentication Root E45, O = GlobalSign nv-sa, C = BE	8B0F0FAA2C00FE0532A8A54E7BC5FD139C1922C4F10F0B16E10FB8BE1A634964	
16	CN = GlobalSign Timestamping Root E46, O = GlobalSign nv-sa, C = BE	4774674B94B78F5CCBEF89FDDEBDABBD894A71B55576B8CC5E6876BA3EAB4538	

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<b>DV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
17	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	37D080A5E9A526663E56EE20DE4BD9F7952DACC341491439080167AD5DD18CAC	
18	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	8C2410F76B149CA062B420AB611B6BF0A06E6E799A29587E4D4EC16D0537B7EA	
19	CN = GlobalSign Domain Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	BFDF4CF3F143AD0DB912D8AB3A7C12F617B9EA60CE8B1F4E44F74270FB21B19B	
20	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	EE793643199474ED60EFDC8CCDE4D37445921683593AA751BBF8EE491A391E97	
21	CN = AlphaSSL CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	5A817EADA4AD78734EBB2CF674352D97F4352290C40EAF10E764B1EAC075B0E6	

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<b>OV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
22	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	1C9737E968AD9DFF8D8D7FCF996A144BB97851A19011A0190C943CAE8D43CFE0	
23	CN = GlobalSign Organization Validation CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	74EF335E5E18788307FB9D89CB704BEC112ABD23487DBFF41C4DED5070F241D9	
24	CN = GlobalSign ECC OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	87C71553445EB3C33C3E0710711B99E9C7773F04D91AC38A9F4C082EE24101EA	
25	CN = GlobalSign RSA OV SSL CA 2018, O = GlobalSign nv-sa, C = BE	B676FFA3179E8812093A1B5EAFEE876AE7A6AAF231078DAD1BFB21CD2893764A	

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<b>EV TLS Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
26	CN = GlobalSign ECC EV SSL CA 2018, O = GlobalSign nv-sa, C = BE	8F19FFE02FC795ED70765D1436ADDF772FE0F0773DA436EDBDB42A2E30E2E828	
27	CN = GlobalSign Extended Validation CA - SHA256 - G3, O = GlobalSign nv-sa, C = BE	AED5DD9A5339685DFB029F6D89A14335A96512C3CACC52B2994AF8B6B37FA4D2	

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Timestamp CA			
#	Subject DN	SHA256 Fingerprint	Other information
28	CN = GlobalSign Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	F642418E4D0C63DEC785C960EFA68BA745F38851744EF81F225CB89305314D50	
29	CN = GlobalSign TSA CA for AATL, O = GlobalSign nv-sa, C = BE	4D8EB49380EC72AC9DFD21FE1C6DB2E9490C76BEADD1F7B528C3CCD272C8FE28	
30	CN = GlobalSign Partners Timestamping CA - SHA384 - G4, O = GlobalSign nv-sa, C = BE	2A015531A5F3A4CE589BD853C71DD069587322F574D85C9C9B9F9DF8F86C075E	
31	CN = GlobalSign Timestamping CA - G2, O = GlobalSign nv-sa, C = BE	C977923C771E1A66C925A2B6F501732E678DC9887AFE6BFAAC039D1D9A71F0EC	
32	CN = GlobalSign Timestamping CA - SHA256 - G2, O = GlobalSign nv-sa, C = BE	9BF9496777D14425ED0086C1BB2C0707B62A61C194C5162E4F07637AFF166B76	
33	CN = GlobalSign Timestamping CA, O = GlobalSign, OU = Timestamping CA	D0CAE6947BC77F0B495CA808D6CDE685FCD20225E1E530B635B113ED40728EF3	
34	CN = GlobalSign Timestamping CA - R3, O = GlobalSign, OU = Timestamping CA	61C1067083AE044EF1D649CE590BBF09D9D739E025DA8D195F71CFAAD6EBAE69	

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

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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
44	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	BEE8FB99D7B9EC0CAEF1B1A6ACFFEABD777E31CBAC2D0E1846BDAEC4D5B18BE8	
45	CN = RWE Atlas R45 SMIME CA 2020, O = RWE AG, C = DE	3EFEC6B78BC4864625AB1A3D286AB0A4440D86DB98E07891859CCE3CE7BCA3CA	
46	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	C50DECEFBBC246CB07F4FEB282A7633337721F787F8EB68D897F05284FF94FA8A	
47	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	A2F5C0CD7364E1123B21556FB7999BEA8E9F0AEF399A3544CD12EB83C238BA1E	
48	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	A4819D67CC975AC71BC9315FA08DFA5AFFB9A537D79A6865FEF574F28ED5B52B	
49	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	19B57472F46A480A721F03275647D4E5DF7FC790BCF7603DD5C8F9F35F7DE117	
50	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	5B92AF30724309D82A1DEDDFB0975A336A7C7A45DDCAB6E0D24A48EBC49575B9	
51	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	6390D54F26A13B6511B25130EC0580987AFAB843F15A1E16695AA456BD36C043	
52	CN = Spirit AeroSystems GCC R45 SMIME CA 2020, O = Spirit AeroSystems, Inc., C = US	31BBB081F0B0811DB4AE11A7D2B36168A98DE8230253423F13B5B241A0E8C707	
53	CN = SWIFT Atlas R3 SMIME CA 2022, O = SWIFT SC, C = BE	65BAE54958A42CD00D08DA3AC63641B3D74F2B38C1EC14F29CFF13A7136E88A9	

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S/MIME Issuing CA			
#	Subject DN	SHA256 Fingerprint	Other information
54	CN = DPDHL User CA I5, O = Deutsche Post AG, C = DE	487A1BBFE1106CF575F04196CAE3D987D990A29640F4CA5C8994830131541DA1	
55	CN = Bechtel Atlas R45 SMIME ICA 2022, O = Bechtel Corporation, C = US	CCBED114280CFAA28407DF31913F99CA2F212B52E52CD3E150F8CD448EE459C3	
56	CN = Clayco Atlas R45 SMIME CA 2022, O = Clayco, Inc., C = US	CDA61B2C3AEDD28FEEC05F6D0AE4102A1BD001CB4ED7F590F4A0B4B1EADD9B02	
57	CN = GlobalSign Corporate IT Atlas R45 SMIME CA 2021, O = GlobalSign nv-sa, C = BE	1E95983E605565A3647135FFF16E28070E037CDB8AF714D06C9CFBD0BB285D35	
58	CN = State Oil Atlas R45 SMIME CA 2022, O = State Oil Ltd, C = GB	DB8F5C248790FADCF1A3F405F1163C977B643056887CB6469D674AF5CEF46B5A	
59	CN = DSigner GCC R3 SMIME CA 2020, O = DSIGNER, SOCIEDAD ANÓNIMA, C = GT	3FA4A9B65FDF6876FE668DFECC434932EBC254FD741119FC432A5989A085F320	
60	CN = CBMM GCC R3 SMIME CA 2020, O = COMPANHIA BRASILEIRA DE METALURGIA E MINERACAO, C = BR	F6FAD88040CA2A7301B7ABA5094E9610B344368C2D37A99D0EDC6F0CD534B297	
61	CN = CRB Group GCC R3 SMIME CA 2020, O = CRB Group, Inc., C = US	E733E7E3E4AA765948CF4226391B49A72A0FEBF511E52DF96DF28398AFF61816	
62	CN = DexKo Global GCC R3 SMIME CA 2020, O = DexKo Global Inc., C = US	6C450398A321440532FE2FA41B31ABF13ADA8A94274D0397E6F24D18CED77A66	
63	CN = GROB-WERKE GmbH und Co. KG GCC R3 SMIME CA 2020, O = GROB-WERKE GmbH und Co. KG, C = DE	6FC0296F355073DD3622150FB496EB455C8C547146191076C5AF76FA9C36C238	

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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
64	CN = LinQuest GCC R3 SMIME CA 2020, O = LinQuest Corporation, C = US	7BB16E460DFF6DBC33D941D5552D494B71E776B79FFDE7A5C0413F64A768931E	
65	CN = EUSPA AR45 SMIME CA 2021, O = European Union Agency for the Space Programme (EUSPA), C = CZ	9506357B3B18E56BAEEBE95B7B9CB873A7C8AC973239DAA4D0BCEAAFFC527404	
66	CN = COMESA GCC R45 SMIME CA 2021, O = Common Market for Eastern and Southern Africa Secretariat, C = ZM	6A9BE0304446B285BC45477B0C9495281E4F99FF4E4441DC8AE16C0E49F3379	
67	CN = Riksgälden Insättningsgarantin GCC R6 SMIME CA 2023, O = Riksgälden, C = SE	B0959E4BF3FEF426496F44615FA955359DEB6C30D0A67866FCE40FF3122F7F4F	
68	CN = Trafigura PTE Ltd Atlas R45 SMIME CA 2020, O = Trafigura PTE Ltd, C = SG	36FCE16CC976727765DF5E9FADB12C544D704C35150D1F17DDE1A42A85B88BE4	
69	CN = FIFCO Atlas R45 SMIME CA 2020, O = FIFCO, C = CR	80642AAC7C782BCDB0C3F6F385488F9BE3BB2DE30B863009E74B29F026C9EAE6	
70	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	
71	CN = Accenture Federal Services GCC R3 Global CA 2020, O = Accenture Federal Services LLC, C = US	9D61B40ECFE094B415FBF6AEEA1FDB27A1A4C3B6FD9008D768777D6D7FBAAEE9	
72	CN = GlobalSign Atlas R3 SMIME CA 2020, O = GlobalSign nv-sa, C = BE	479D6A0980722966237F06C41842EE796B55D4D00A0D663B785D48433A29156E	

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<b>S/MIME Issuing CA</b>			
<b>#</b>	<b>Subject DN</b>	<b>SHA256 Fingerprint</b>	<b>Other information</b>
73	CN = HERTZ GCC R45 SMIME CA 2020, O = The HERTZ Corporation, C = US	013C13426B92F703BA573D9E16C2E35AECA26C60F606B88D3CE2150C94D56C14	
74	CN = EY LLP GCC R3 SMIME CA 2020, O = Ernst & Young LLP, C = GB	3A093122808FFFA440E19824D0BC7CD6B01D8D8277F7F42FA16E80A0205D4A7A	
75	CN = European GNSS Agency Atlas R45 SMIME CA 2021, O = European GNSS Agency (GSA), C = CZ	F4EFE27C6B037747B3A89E23EE23C1B70A24DEB53B2E02F423BB0F73E1822267	
76	CN = GlobalSign Atlas R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	4A50CA65DB216AD62D260C5EC1D9CAE225E7BF961329817E0E93B97DEC3D277C	
77	CN = GlobalSign GCC R6 SMIME CA 2023, O = GlobalSign nv-sa, C = BE	36D7314848ACCB3E4C5792D1B07120B1035BFB8B67E6600952D6745F5D6E22BD	

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Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
78	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	33EF151EFB08D1C44FB85CC3F23EC6873014E9F881691BD4938B7F251580B694	
79	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	C84E1378B974A991ACDCDD733421E3061E6FA21A0491C8902BAFDE3855E0063E	
80	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	F349954E8FB6D44011BCB789D97D9A2CB2032BD5F0B598D1FB8A099F5848D523	
81	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A5E33C28E3013A71F5F760AE3B16595090043D2EC5209EC52903C4FBAD258DAD	
82	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R6	DDA8DA736187D76F4F0ED5A5F667B54D99A98AE06091D0E3A01714E9221695AD	
83	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	0F1554C2FD591B0256A608E1C136A837E7A6E041561EE08A911B2AFDCD3C6C1B	
84	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	A63C1398B5F8DD2D432FBE4C2C19142BEA6D5D0221FAE794718AE7597ACCA96D	
85	CN = GlobalSign, O = GlobalSign, OU = GlobalSign ECC Root CA - R5	3F319B2AFED4A0F75127BE59925550D0428E68763A09E273EB6A9FF8D18DBB5B	
86	CN = GlobalSign Root R46, O = GlobalSign nv-sa, C = BE	45CB1D874CB03BD5C5B6E079C8FC29E51521EE5628486301964A41F94BA59F88	
87	CN = GlobalSign Root E46, O = GlobalSign nv-sa, C = BE	1DF6054D6641404633641BB5FA3742FDA7D075E2514840AB61E00CCBBB7D341D	

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Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
88	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	445EEC78BC61215044A0379656AA2D5DB5E42F76CB70B8D14C2077AA943D4EBB	
89	CN = GlobalSign Partners TSA CA for AATL, O = GlobalSign nv-sa, C = BE	7E8F914119BB1090D6204908E5AE1F40BE24C1491CD7D5CFB6A93618CBC00FD9	
90	CN = GlobalSign Secure Mail Root R45, O = GlobalSign nv-sa, C = BE	5268C94573AF66BA5A3DE979F2048DE43BD4B68AF0B73A2D639159FAFE637F69	
91	CN = GlobalSign GCC R3 PersonalSign 1 CA 2020, O = GlobalSign nv-sa, C = BE	583C7FC250856B7F947FC7CC076FE216273CA1713D122C2E5D8F6038FD6E3562	
92	CN = JCAN Public CA1 - G4, OU = JCAN Public CA1 - G4, O = JIPDEC, C = JP	9AC4C8E358C095C998122ADD17A336C0AC597ECBECB7EDC3F58A75040CF94A5F	
93	CN = GlobalSign GCC R3 PersonalSign 2 CA 2020, O = GlobalSign nv-sa, C = BE	F0DBB9E90E6643CCB23660147E5DE24760440089D96F4AD0D82F66C3E7DA5C20	
94	CN = GlobalSign CA for AATL - SHA384 - G4, O = GlobalSign nv-sa, C = BE	AC0AB963BB5F3DA05FBC8687F98C2B6EA0BB499E6118C1A9136B1BC7C3C71A6B	
95	CN = Trusted Root nonTLS CA SHA256 G3, O = GlobalSign nv-sa, C = BE	3A30D4A3043F195609E30F747754699CC6CC97E1F5FCB83DE87E659E579E39AD	
96	CN = GlobalSign Secure Mail Root E45, O = GlobalSign nv-sa, C = BE	5B87841E80AAFE877804E56694473DCA8BB9F1FF4FFCF885A3DAFD24463FCB64	

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Other CA			
#	Subject DN	SHA256 Fingerprint	Other information
97	CN = GTS Root R1, O = Google Trust Services LLC, C = US	3EE0278DF71FA3C125C4CD487F01D774694E6FC57E0CD94C24EFD769133918E5	In Google Trust Services LLC Audit Report (*)
98	CN = GlobalSign, O = GlobalSign, OU = GlobalSign Root CA - R3	C94FEDDA4E8608908580BC7F87B434E03BB262E42F64C63820A8F50FB17C1CEC	
99	CN = GlobalSign CA for AATL - SHA256 - G2, O = GlobalSign nv-sa, C = BE	AA89C466E9D06882C0DAAF72BE0F0FBCFE7C1EF2AAAD190640C4AD44F5517F34	

\* 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.

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## 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	<a href="#">Bugzilla Ticket Link</a>
1836443	GlobalSign: Issuance of test EV SSL/QWAC pre-certificate with no EKU extension	<a href="#">Bugzilla Ticket Link</a>
1845803	GlobalSign: Three (3) revoked precertificates with reasonCode "certificateHold"	<a href="#">Bugzilla Ticket Link</a>
1850091	GlobalSign: EV TLS certificate with only metadata in JOI State field	<a href="#">Bugzilla Ticket Link</a>
1866806	GlobalSign: S/MIME Sponsor validated certificates with CommonName value equal to OrganizationName	<a href="#">Bugzilla Ticket Link</a>
1870276	GlobalSign: TLS OV Certificate containing unverified information	<a href="#">Bugzilla Ticket Link</a>