Tel: +603 2616 2888
Fax: +603 2616 3190
www.bdo.my

Level 8
BDO @ Menara CenTARa
360 Jalan Tuanku Abdul Rahman
50100 Kuala Lumpur
Malaysia

INDEPENDENT ASSURANCE REPORT

To the management of eMudhra Technologies Limited ("emSign PKI"):

Scope

We have been engaged, in a reasonable assurance engagement, to report on emSign PKI management's assertion that for its Certification Authority (CA) operations at the locations enumerated in Appendix A throughout the period 1 June 2025 to 31 May 2026 for its CAs as enumerated in Appendix B, emSign PKI has:

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

in accordance with the WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7.

Certification authority's responsibilities

emSign PKI'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 – Network Security v1.7.

Our independence and quality management

We have complied with the independence and other ethical requirements of the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies International Standard on Quality Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

BDO PLT (201906000013 [LLP0018825-LCA & AF 0206]), Chartered Accountants, a Limited Liability Partnership, is a member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms.

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. This standard requires that we plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, management's assertion is fairly stated, and, accordingly, included:

(1) obtaining an understanding of emSign PKI's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
(2) testing and evaluating the operating effectiveness of the controls; and
(3) 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.

The relative effectiveness and significance of specific controls at emSign PKI 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 unauthorised 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 1 June 2025 to 31 May 2026, emSign PKI 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 – Network Security v1.7.

This report does not include any representation as to the quality of emSign PKI's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7, nor the suitability of any of emSign PKI's services for any customer's intended purpose.

Use of the WebTrust seal

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

BDO PLT
201906000013 (LLP0018825-LCA) & AF 0206
Chartered Accountants

Kuala Lumpur, Malaysia
6 August 2026

APPENDIX A – LIST OF LOCATIONS IN SCOPE

Location Name	Location Type	Location	In-Scope for Physical and Environmental Control Testing
eMudhra Digital Campus	Main Office	Bangalore, India	No
Offline key storage 1	Data Centre 1	Bangalore, India	Yes
Offline key storage 2	Data Centre 2	Chennai, India	Yes
Online CA hosting 1	Data Centre 1	Bangalore, India	Yes
Online CA hosting 2	Data Centre 2	Chennai, India	Yes
Online CA hosting 3	Data Centre 3	Utah, United States	Yes
Online CA hosting 4	Data Centre 4	New Jersey, United States	Yes
MPIC Servers	AWS	Mumbai, Asia Pacific	No
MPIC Servers	AWS	N. Virginia, United States	No
MPIC Servers	AWS	Frankfurt, Europe	No
MPIC Servers	AWS	N. California, United States	No
MPIC Servers	AWS	Sao Paulo, South America	No
MPIC Servers	AWS	Singapore, Asia Pacific	No

APPENDIX B – LIST OF ROOT AND SUBORDINATE CAs IN SCOPE

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
1*	**emSign Root CA - G1**	31F5E4620C6C58EDD6D8	40F6AF0346A99AA1CD1D555A4E9CCE62C7F9634603EE406615833DC8C8D00367
2	emSign SSL CA - G1	217AD58B1C713C002091	47B2EFBC3670E7DB4B41F22C51FC02EE84FB2DBF3082A49F2C2688122E9210A1
3	emSign EV SSL CA - G1	626CB92B237FF82E3F50	4334EEB2CC114F82BEE6F8A7E5AEA03A42EB2E1F70CBD66102E414D72F0033B9
4	emSign Class 1 CA - G1	00D59B7C9B36A2D44922EA	CF6D0333D0BE2C69A42D453960DEE9E109D9E8843EA3061A1671D6EAF85EB7D8
5	emSign Class 2 CA - G1	3C5BDA55C0A236A744CD	63A8369DC824A42BC7AE6EE5D26AAFD32DF4AF677CA18B941B7A57E33B1E3559
6	emSign Class 3 CA - G1	00A08870825A326BED9611	42DA1C562F80E46DA7A321244EFC23D0FAA9FEBBB7AA0377D96B42D9E88AB200
7	emSign Device CA - G1	0465835247364A904A8E	4C9198B673550858799AD2744CC083C1BA0027E77D3B8FD6D56CF53620D099E2
8	emSign SMIME CA - G1	00AB98D0B97A5D695A	BA9E8A1FCC4154B094BE734035ECA7E54E9F5619D511B265750EEB982E2C6D06
9	emSign Root Client Auth CA - G1	008B0DCB4D9A00ECC11B0677FC86BCC8	6FB75190477405C28AFFFE25338A92F4973956ED5B1A2353B24B6204E04D4CF9
10	emSign Root SMIME CA - G1	0091685541577A36E8AE09ADEBE4CFAF	A65160E9770D70D8ACE8EC3670A7B4EF1F87F4F507B1CE3D6FC623ADED0694C1
11	emSign Root TLS CA - G1	00F7AB65559E10812DF6484347586A25	9B913476EAB476E21E0887DBCDE44345D1359D28116B83B7CD3E87BD807EBF68
12*	**emSign Root CA - G2**	00864DBF0FE35ED77D8ED8	1AA0C2709E831BD6E3B5129A00BA41F7EEEF020872F1E6504BF0F6C3F24F3AF3
13	emSign CS CA - G2	00C084E666596139A1FA9B	C2E4D1765005D5CA361D400A434B43036DBC931EC6D7B99C17BEC030CC74CA7D
14	emSign EV CS CA - G2	3CA9F3D18C08E50959D5	69E2448C5F03EEDE5EC2C907EFE96C3D33AD679B49CD29C38C5182323121BEFF
15	emSign Time Stamping CA - G2	00BA9E35E51ECFAC6C4740	C3BE06C6B0A92334423180E95EA1E683AAB9C3B7D0F5CB8A4F51FBC1006F3DC0
16	emSign Root CS CA - G2	5A1E22BDB4FAA8E679BD791F957537	A455EB8D8DC03CC7189B6A9438300D66373EB3225252CED2B12A6D25F0F940E0

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
17	emSign Root TSA CA - G2	0091DB8F1E6828435FBB765A369E54F9	2C15C5E31F6C837DC26D90568B10DE51D849E56E90ED25312507D2E108C31239
18*	**emSign ECC Root CA - G3**	3CF607A968700EDA8B84	86A1ECBA089C4A8D3BBE2734C612BA341D813E043CF9E8A862CD5C57A36BBE6B
19	emSign ECC SSL CA - G3	72DDC7E9DCE9B0DCFFC7	6B51D1DCF4EB7AEE424185CB1B9580574B39CB963863DE3EC1AD31DDB076CE9F
20	emSign ECC EV SSL CA - G3	01FE3E6C68DEBBEC263E	0116F17F97CDEF4ADE2E63CF2C1B064FD99F404D2B914100BC241F0781853323
21	emSign ECC CS CA - G3	35CF922FB9008249F89C	0D6869A2B4F5DF77A6AFB034225E9BEF345743CF306EDF36EE35B9D05AFAD89C
22	emSign ECC EV CS CA - G3	23BA23AB486AE7D5C0FE	0BADA979B71402FE860696032CF40E9D2A3F41CCB5D03BE33FBB94A80D7FFC7C
23	emSign ECC Class 1 CA - G3	00FB1E21982EB1B55C5925	ABA6A65DCE8955BAF0685AB88809B7699C174496EF9EE991533251494F43CE10
24	emSign ECC Class 2 CA - G3	23E1BA02DFF3E900EDDD	4E9B731567177E1776A96D66D9120B3DEB28B800937EA4662565B3EF5EC8000B
25	emSign ECC Class 3 CA - G3	00B8EB258324DB08ACC2F5	7066A0F42F530E0DB5AFEE72A3B04DE614E7D2305C67D12C756BB215E37CB975
26	emSign ECC Time stamping CA - G3	0084A863D6F61818464D34	C422AB86C1729E889FBCAF5CD73F217E03C29FE2AC50212F451307D915869F47
27	emSign ECC Device CA - G3	00876282A8FD758C391EC3	70B9BA595412CF8614B76747FD683CCA2759F42642164834FBEFDD88505C4F1C
28	emSign ECC SMIME CA - G3	0E906BB2267EC0FF	F5B3E914CDE2954F65464FA8E9D69F0492622B3C2AC243987B11CBBF1B451307
29	emSign Root CS CA - G3	14C6754E93E5D94C638D3FC90FAD76	7137FA71AD46BA686F746D1014AC57E8E6C6E9AF4AA2F73C0C44A5CF27DEBB59
30	emSign Root TSA CA - G3	7629AFFB27C4349E7218CE483DB54B	873BE6F9EF3057221928E840686E2D18211A2680AE07051148C11A29D41BA98F
31	emSign Root Client Auth CA - G3	50243F8B6EE1D97C789089421ED2FD	63088538028E233C61B54C5A4238B7C753C04F32362F1C95A428D28E9CB6B15E
32	emSign Root SMIME CA - G3	00B33EBCAC96AC83A823E2786D76B6D8	B4CEEBA48EF8CCC6090F6D2A62A85DBB51C5A106A7DC7EC5408270020F91C222
33	emSign Root TLS CA - G3	00961A3EFB1359576ED04005B4684A5B	30940257920 39A68AF6E553686410BDAB7C0D4A36B9084CBA64202E35D6EBBDD

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
34*	**emSign Root CA - C1**	00AECF00BAC4CF32F843B2	125609AA301DA0A249B97A8239CB6A34216F44DCAC9F3954B14292F2E8C8608F
35	emSign SSL CA - C1	0086766B7F96DF60C46F8B	F91AACA0E4E533747A0880BFCF6F26720DC1D05494C3938DA6802290D5A09B32
36	emSign EV SSL CA - C1	00BADFD29B3F1E678C6960	F6F159286A1401DE5397E21A0090534A85F5E7B9F98FD4A5A47B1DFFD4BFDED4
37	emSign Class 1 CA - C1	7E065336C075C7998B63	0EF7B863FAABC384A694FF632DAAF9BD31CED23E9246559A59ECD7472754CCE6
38	emSign Class 2 CA - C1	1A5C82DEDCBC6A153030	05B30B3FC44F8575334BD812EF9FA8A52A75743E19BC35A5BE3912ECA62C4669
39	emSign Class 3 CA - C1	00B474F64D86392189496E	69B0DD09B98F36A9CC7BD7FFE8A00DCD319A5FC947C9C8AF72C92894D8E81092
40	emSign Device CA - C1	00B19BE3081E2D97B5BFCB	D034B18751BEE10AAAF94C2F14350D3F654E5B934D0DDA592B31E58187A48952
41	emSign Time Stamping CA - C1	00D6CB155EA221A1C4E37A	4D15E5199D88EAB1838E06EBA08BC690E971B4B1FCD77A6530E9C06F17FDF477
42	Soft-Net Secure Signing CA - C1	4D3A149CFA144F9E3115	CCEC157DA0F0BD58E3E8B584054FE0C44F04B4DD8C97B75B788D9140B05142F7
43*	**emSign Root CA - C2**	2F0AB76B0DCB4AAF2758	46CD083B47E80402028DF493960EA19C85FE851950D5165F1C7DA4FAA951E2F8
44	emSign CS CA - C2	00B4E6BA3BE4B674A36434	B0E6BB9D6E7A94BC4A6B89D96743438D2C565DBB0A697ABB21457ACA22A13CE4
45	emSign EV CS CA - C2	00AE0882F16DBA80375653	024998101210644F68FAE9115543A5E6D26A6DB0D2C10366FF2D5BB505D8872D
46	emSign Time Stamping CA - C2	63720D6AB070BF2A157D	571FC70654AB8C1AA3B4A261A3D505FAE10BC4558FA17C72849B6B98BC845CAE
47*	**emSign ECC Root CA - C3**	7B71B68256B8127C9CA8	BC4D809B15189D78DB3E1D8CF4F9726A795DA1643CA5F1358E1DDB0EDC0D7EB3
48	emSign ECC SSL CA - C3	5B7D9BB1FD33B9BC1D84	A061D445399714C38FC101A6E9AFBDB381F112FA5DE7D5BC14904558D1ED3276
49	emSign ECC EV SSL CA - C3	1B50581F7334B30B2723	C0A578F2109E6F42D3D939948DEEAB729B20F7B23B4237ABD8494DF554CF985C
50	emSign ECC CS CA - C3	00B8973C4278609F2AF2A4	A3AFD72375C1D7A8330E62D577E13581B72332C8062DFA9CF39E51AE65088582

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
51	emSign ECC EV CS CA - C3	6004C5E20B62FDD48C46	CB2109799240209703 37AE32DA5C3F981A9E05714EC22BB1C3421FE695E5157A
52	emSign ECC Class 1 CA - C3	00BD6A0796AB3F8955521E	FAD2E98649F1C606150F55269EBC035AEA22FFAC131DE64BA6900C75D8447B7E
53	emSign ECC Class 2 CA - C3	00D1142766698BFCDEDA02	DB4591F878F6672F5B70733A66AD7C9537B97E6F0AF5CA49AAB8ECB2CE02F86B
54	emSign ECC Class 3 CA - C3	3D12A1CF78258D580854	5A9A03F2D3FE589BE63CDA11820A9F25F074C92034F51C047D34226D252EC025
55	emSign ECC Time stamping CA - C3	00B94B49C6436D72090201	71D2EE4DDA251D9244F7CE7C6D478EC552D424EF719F02B71030F2821B6BC853
56	emSign ECC Device CA - C3	00D9365F15842A1D0689C3	3D4511D0A80AA949A6D99B253A173471797C4459187A6329E736C37CB5493E46
57*	**emSign Root Client Auth G1**	0E4FA878FEA8183E7107189595046D84	8ABFC40FAEAF13CBC8BB67B61C8D097A321CD2FEE047C54256927E0F8BFEADFD
58	emSign Client Auth CA - G1	009E351D31686B4110253502BD33810C	A2F8EA7537CD5AF80D048497A432DE5907AEE52785D07061462FC511467BE720
59*	**emSign Root Client Auth G3**	0C514FFD18852863D2AAB9B7006346DF	BBD8B3D745EFB79198D93B9C482B9D934537325729EA2F02C129261F91BE2E3D
60	emSign Client Auth CA - G3	00C9301C02A5BE73A6EEB7E3554D1774	2997C32BEFC8DFBFC15981154443E63D5C06620AD408EE41082BA0669C064CFA
61*	**emSign Root CS CA - G2**	0886217572A7C40CC3BB2EE5D72D6E6C	0D74EF67C88DE3560365E225AEF976F915E901347B73352D81AB5B4132BB2150
62	emSign CS CA - G2	34591FC67FCBA9A537D7B16E71CB45	C58E88B283F4C11B08FDBEF396C6242F50C51F4E2190F40751FD6983E9EFA8E2
63	EM OV CS CA - G2A-1	00FF1E75860CB7DEBF1579A77837AA90	6CE3E43327FD6694707C1B87346E26F0BBDAE808744D39821BE530FE90C1D310
64	EM OV CS CA - G2B	33E8C5A8046D443E8FA5F1AF733188	913F1A04B02814B604AC5275ACB201B1C802B2C0F1B4986FB1A1EB595958E072
65	EM OV CS CA - G2C	7F7C7D863DC9B3541E9D0C4B91237E	EBAC91B8EC9853323779EDB393C595FADB29DD4DDB20C47E336F2A021684F27B
66*	**emSign Root CS CA - G3**	018FCEC927C116F59C997EDC0CCD2E2B	F2EDAAFF3D9B701FB4D14C9F285F8C0BAD90FC3BCC1FA07D47F4718EDABA34A5
67	emSign CS CA - G3	5BA07BE0A30F4BD2BFA51D85E7D9C8	945CAA768EF29EF4E89EC7EA1E9BF0AEDC1FF8F89B9AF8D1C76E70FFCD4E18AE

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
68	EM OV CS CA - G3A-1	2C0D3D93C650F771B32541B78920D2	F3E525E51E2BB27CAB003D874566B0B7762B7EAC5BEBC8CDDFDFF8B26AD430C3
69	EM OV CS CA - G3B	7818933F8F85B4619A2B35FBA83D0A	9E39DE2881273ACC225A149C72BA3E0F51424963669AB633EE1DC7DF5DB067B4
70	EM OV CS CA - G3C	544B7F922C31AE220A4A922916F6E6	4B2460A466F95FD40113BCDCCA2CEB29B3B093921DE45474DA7DF48874C630B1
71*	**emSign Root SMIME CA - G1**	0C974F5F068B868F52FC0CF7E5544F51	47911BC8F32A11B029E0BB10A348B459404B87731B870A2F3FA97B4705DC4C25
72	emSign SMIME CA - G1	00FE04E642637D4020947D6C5F4E0BD0	B9E2588E93B5E53617B842E6ED34854EE46BA3D6721EC45DC650CE4439F514BE
73*	**emSign Root SMIME CA - G3**	009F4F5FF84A1A6DC2C83C0EF9B7031F	F76A0D440C418DC5B362BE8E11E0A5D06023F4396093E4F455827BF55153D8A4
74	emSign SMIME CA - G3	13BCE369D10F5CA4408D91B84155CB	30444F40CAC26FFF497B1CD00DDF4D81453A8A176272CC34ABE35FD564602B1B
75*	**emSign Root TLS CA - G1**	02A27D4E346AEF4E4F04678B5BB6D9EE	CEF71E70B7C29ADDF6C30CD19E614B38FD5F02A435A0EEDDD0087E183D101A51
76	emSign TLS CA - G1	437E0DB6D4E846134D00AD35463A7D	DE029E40F6BB851DA4B804C65121D8535084FDF6B3B47DDF7E94B4E46A6C3437
77	EM DV TLS CA - G2A-1	00B6391A6D28C7886AE6FCCED2F3C1A7	3F13597D3355D341BD09328AEE567D7F4E002D9919B986F9962DAFF197EA75D1
78	EM DV TLS CA - G2B	00F0A030825E22BB2E1D88E3889DC073	829EC444B8BE3DFD2D030A0D9E7A1D0DD2A3C2C325D39589C27AC9A065BAE793
79	EM DV TLS CA - G2C	00AB5DEA38BDC920D5FA4736DA54BEBE	0427EA3CB4A7B4CB205E77A7B166D332BEDB8E8EF469BC5E883169C8D0AC876D
80	EM OV TLS CA - G2A-1	59491409E797EA968F05E0FF331FEC	291804EC866837CD5AF5F4D652F1DCC79BEC622D4F9BF4870E5E4D8639DF3AD4
81	EM OV TLS CA - G2B	00C164DB9804F563241ED32C4100A566	6A7A93861982B664001710A0EFD04C8A72F6A23E252B280911797E0BF1BD9012
82	EM OV TLS CA - G2C	00CBDCFA0D64112709CF14B7E4858250	DE767792E870BD32F331029FC89DC24C53F9DF970DC70F1EA30CF29DB3F94BA9
83	EM EV TLS CA - G2A-1	35ACF2A0E598C8E849D5EE7E724C82	684B11E56AB72502B75DACA1CD009E3DD4BEAB3AC1FE448902D272766CCA797E
84	EM EV TLS CA - G2B	008F06A3F1D6A2FC71D29393C71CD48E	E072B30D7F5B8BCF0080E51D6CC7765767072DB2319E9BB1CD3D02A086898750

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
85	EM EV TLS CA - G2C	00B28103309375C0CBB9E9B80B66C430	C3BC2B480FB1A1AB4D0BA1ED6C7B53E096447045733620991A32D6798D77AA20
86	InCommon Intermediate CA - DVG2C	4FE567B5B596FA438DC6D291B3CB43	830905812307DF14C3D9D71B9A5A83247940857DD20BF6D67F6493D2070DA649
87	InCommon Intermediate CA - OVG2C	63A4D371C1A726EEBA6078D651F7DC	BA02F2F97BA481D19ED4906BAB5602A9CE1CCE5D1F362EB5EC4F9D828EF09FFC
88	InCommon Intermediate CA - EVG2C	0E9098B1015D2FDA128A5342BDB088	A83559D892F4692DA9A088A1B759773015D7AA6FB2B50B18C5F9F89CC27631E1
89	InCommon RSA IGTF Server CA 4	40E8F6EEB511BF26B4FFAEE1F666FC	F1A78E13D7AB31072E223918D257B541010AD93AE6D39F3D74A0D8B2EE4C3E7D
90*	**emSign Root TLS CA - G3**	0E760672F143459FC8FE0AB0BC05E394	7DD78D5F4F13459A83DFF9ABBBA62EDBAF6F2D102BF257FD712F4D9F2746ED8D
91	emSign TLS CA - G3	3B6ECEC869F677EFF33445C0E3EDC5	04E6DEA261B8720E0525E9DA23282100352BDEBC119CFC3DBD812C3D68A2BCDD
92	EM DV TLS CA - G3A-1	00A3E5AD9D0C0374A342E5E2A3F506DD	4896D51F6537A5326272C412BC75990E15D4F5ECDC2946C19776923B8E169E93
93	EM DV TLS CA - G3B	00A4AEE678F23362B4C0E460B772F214	42C4ACCD12C4F59597925E1A08A7A90102608543809308D50EC427E118BA1493
94	EM DV TLS CA - G3C	588B2E3C2BB8CDA13E1A1209254321	0164D7CEAE5BB909C272AF151FF44B1177AE9B47D9424B94F1D9558C30934D19
95	EM OV TLS CA - G3A-1	00C5FB5F2D43071F5B5623B5D132878C	259FF0963A0665BF40D92E05E95B960CCB423DBD117482AE647BC7FD5F5CE644
96	EM OV TLS CA - G3B	6CADA367FB1C100088120EA202D568	98B896625C0C230ADEEC3EB2CF6AAD5001ECF9156A68644E82374CE5833BC25B
97	EM OV TLS CA - G3C	296926C227A3A1526392B19482A504	CB6E15165AC802E9B3F993F16C25D41F4E81C21EBDE71AE1B012AC00BF9C7C3F
98	EM EV TLS CA - G3A-1	00B28971D9989A629CA9B4E206067211	BA0A3DA706F47DAC1A9C33C4EE1E4D86B726EF48E70D4319F3C949EC673A1975
99	EM EV TLS CA - G3B	00C7C41EFE92D825F05EAE841A4A82C1	E7568FE6E12331F4FD7DE61DA4C7559D0F8EB192A218D4741A3BA75184333838
100	EM EV TLS CA - G3C	008009928A64107601AF05FA2F19F109	432EC25F0D28DE9006D97BF752F17BBB2CD41F669933FCB072D9A1148D0261F3
101	InCommon Intermediate CA - DVG3C	00CE966707D5D28A7AE8AB6F00631B4F	3460C02F0B4B06C2739CB0DE17B41062B94515D837652AEBFF77AE87E0930CFF

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
102	InCommon Intermediate CA - OVG3C	66A11F396CE7BD4EFB9EB96208D6F3	566B3AF3CB6663A9F9E21EEF820889C2D1A4EA2F7DF0B7BB0D5060249870FA08
103	InCommon Intermediate CA - EVG3C	00C61D1CF77FA6D4C88875A43BEB4AE4	5F2F050F9CDD928FE50102244733CBA7EA72204D9A7686949CE59E402AD1AAB9
104*	**emSign Root TSA CA - G2**	065E0E80658A572E5EBDBF93A493E350	1997770A5633FB6D0440ABF7D7E87E15D795F094F8C2959DADB00E785866BF48
105	emSign TSA CA - G2	3B259DBA31D18278A0C4195558F2D0	D4317853D206E7C3365ABC631DF8BB409514F2A41B01A4601E2F6737BCCB1457
106*	**emSign Root TSA CA - G3**	0E27F07F8657096CCFD447EA0E2399EC	75D2CE75979CF2A43B172C9F89F733DDA2136031DB4BBF3698B053714C077155
107	emSign TSA CA - G3	5CED5EFC3929614083FF28B466830F	7D9E3951568A20EF05B4880FFFB41D2E61AAA7401A7E67C19A3B9C71503E5705

Reflects Root CA certificates

LIST OF CROSS SIGNED CAs:

No.	Common Name	Certificate Serial No.	SHA-256 Fingerprint
1	EM DV TLS CA - G2A-1	45D2438F4CAE023D3D78A052A5A9DB94	122A5433D8A2A8C501D5E680AB216885A6019326A189DF91E8895F8B5AD488DD
2	EM DV TLS CA - G2B	6D3091E911E878BA6E196CC2A186FF01	5F0D6380B345D409C641D089B081D7B43B365FD413994403301671C3CBC6A3E5
3	EM DV TLS CA - G2C	00DF5AD8718C74A3CFEE80D5B5FB94AE03	8FE4701D088C2250317BB3A77EDC1707E38E1112E8A334F615CFA9D46F175B04
4	EM DV TLS CA - G3A-1	00FBF771754D6A8760263B3E115432593F	ECB8D30846BEF4B340C90152659F452FD81A7A4F41429B890F1E2B3467058565
5	EM DV TLS CA - G3B	00A024FDF4BA665C785CE4A020483858B7	45A883F349AEDFD5F3A649B5498FFB121712BA8B448F3F2A91DBC5A766FCDDBE
6	EM DV TLS CA - G3C	0091F347F1A5B7D39962B95E0EE4E299D1	62B7F9868263F72F6911FC78CEAF72C1979158B7368BF648683BB2AA39B02E72
7	EM EV TLS CA - G2A-1	46057D09344E92BB7064D4C7219F3C2D	A57FACB931C9A20376E6FE212F7234EFF7B8811436A421BEFF26F5DEA9BCC4F1
8	EM EV TLS CA - G2B	00E84B4F5D5B7BEDF7C770DAA72EE04732	43785B01437218B8D57C2A5B5979976ECAF06B35A710A5CA4BB3C0C1BA65A078
9	EM EV TLS CA - G2C	00EDE78290C6A3193FCEA950E66DF34D20	0307BC756AAEA5398BF3B47D433D2BCB83470F7FEA640753877ADEFD910E8BF3

No.	Common Name	Certificate Serial No.	SHA-256 Fingerprint
10	EM EV TLS CA - G3A-1	00AABA43C0D684BA96FE14CE7397A4EE35	D62657961AC9C5A9A522549E34CADE585ECBFD3869A780C97EDF52E0EC90CEFC
11	EM EV TLS CA - G3B	00D8F8685E4F2BD9D82402A85A1C1EB731	579480AEA166290BD3C643589E795FC0D0E54E86505D180F1DFF99EFD3199512
12	EM EV TLS CA - G3C	05F078752DECE7A1BB8595D303167171	FD9D5C2DBBD4995AB69B8D50C439D9527B00529199C2FD01B2174EB58F07021F
13	EM OV TLS CA - G2A-1	49CA1A0221C19698975E1EC6F4EDA4D1	E0DA30FF7384B9873EDE9FB2DBA7F1353C7E60ED59BB9A43779F9E8494A47BAC
14	EM OV TLS CA - G2B	2923D7603B9D92DEDD54733C594811DA	121C42490FECA63B63E7D068046CC4C5FC58436BF71C97283746F37A9DD67799
15	EM OV TLS CA - G2C	119AF942CF007231271F37B0CDAE9928	ED82135F7D946673F8298BF758DC830BAD20FB37F5BB9EAC52B236563FEC931E
16	EM OV TLS CA - G3A-1	00ADA1791F3D515E1A4080D208AE888A01	1159D471B5746802C2F2CB2FFFE6D5C332B9319BD52ACEBFA93AEC07544E7C5D
17	EM OV TLS CA - G3B	00E94223BDE92F914E5AB9ACABFDAC3710	5F1DED4DD590AF74631290CF073B122A2AAC6A1FA479778A0BD43579BD832699
18	EM OV TLS CA - G3C	008D5A4811939EF447D77111CDD9849AE9	7485B51C0ED192878FA1D2F948FB529AE1842CC5086C4B67F7BE5B2039DE9489
19	EM OV CS CA - G2A-1	00AB5C8EA3D818F5210DE5D34B714C6A8B	53BB70186A0D70A2F66592725F9BC1221D24C02DE6305D05B16A9550B0FAE541
20	EM OV CS CA - G2B	0086C279F6A312956E2D2FEF451CFB8D15	FBD14D574D7D5223E6715E18CE995D4FD3E986F3E8B0E5D29106E87F7C821E58
21	EM OV CS CA - G2C	00B86766B44EE2729C9E49189029924E65	0250C8D47AC74406A9CCFF5EB0F84FF85AA4D3E224421241AC54590CF872D458
22	EM OV CS CA - G3A-1	00C7AABEE770FCBB8CBC9953AD20D9C120	BCDFEE2D58C7BF98E60518676C74D798A22D734371C5F56227691398E2C79B11
23	EM OV CS CA - G3B	41E32B73AC185D6CE0D7480BACF84E69	A496E23AC0CAB8155FC9B117B97EAE368EFCBB9041AEC8804D5A308D2D01C2D8
24	EM OV CS CA - G3C	00D6A5EF613B390F32EF9CDF349F772841	84112972B8E59D14560AE7E7119654474AAD119990CF3722BFC1E3B91615E1FD

EMSIGN PKI'S MANAGEMENT ASSERTION

eMudhra Technologies Limited ("emSign PKI") operates the Certification Authority (CA) services enumerated in **Appendix B** and provides CA services.

The management of emSign PKI is responsible for establishing and maintaining effective controls over its CA operations, including its network and certificate security systems 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 emSign PKI's CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

emSign PKI management has assessed its controls over its CA services. Based on that assessment, in providing its CA services at the locations enumerated in **Appendix A**, throughout the period 01 June 2025 to 31 May 2026, emSign PKI has:

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

in accordance with the WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7.

Venu Madhava

Signed by Venu Madhava
Date: 2026.08.06 10:33:15

Venu Madhava,
Director.
06 August 2026

APPENDIX A – LIST OF LOCATIONS IN-SCOPE

Location Name	Location Type	Location	In-Scope for Physical and Environmental Control Testing
eMudhra Digital Campus	Main Office	Bangalore, India	No
Offline key storage 1	Data Centre 1	Bangalore, India	Yes
Offline key storage 2	Data Centre 2	Chennai, India	Yes
Online CA hosting 1	Data Centre 1	Bangalore, India	Yes
Online CA hosting 2	Data Centre 2	Chennai, India	Yes
Online CA hosting 3	Data Centre 3	Utah, United States	Yes
Online CA hosting 4	Data Centre 4	New Jersey, United States	Yes
MPIC Servers	AWS	Mumbai, Asia Pacific	No
MPIC Servers	AWS	N. Virginia, United States	No
MPIC Servers	AWS	Frankfurt, Europe	No
MPIC Servers	AWS	N. California, United States	No
MPIC Servers	AWS	Sao Paulo, South America	No
MPIC Servers	AWS	Singapore, Asia Pacific	No

APPENDIX B – LIST OF ROOT AND SUBORDINATE CAs IN-SCOPE

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
1*	**emSign Root CA - G1**	31F5E4620C6C58EDD6D8	40F6AF0346A99AA1CD1D555A4E9CCE62C7F9634603EE406615833DC8C8D00367
2	emSign SSL CA - G1	217AD58B1C713C002091	47B2EFBC3670E7DB4B41F22C51FC02EE84FB2DBF3082A49F2C2688122E9210A1
3	emSign EV SSL CA - G1	626CB92B237FF82E3F50	4334EEB2CC114F82BEE6F8A7E5AEA03A42EB2E1F70CBD66102E414D72F0033B9
4	emSign Class 1 CA - G1	00D59B7C9B36A2D44922EA	CF6D0333D0BE2C69A42D453960DEE9E109D9E8843EA3061A1671D6EAF85EB7D8
5	emSign Class 2 CA - G1	3C5BDA55C0A236A744CD	63A8369DC824A42BC7AE6EE5D26AAFD32DF4AF677CA18B941B7A57E33B1E3559
6	emSign Class 3 CA - G1	00A08870825A326BED9611	42DA1C562F80E46DA7A321244EFC23D0FAA9FEBBB7AA0377D96B42D9E88AB200
7	emSign Device CA - G1	0465835247364A904A8E	4C9198B673550858799AD2744CC083C1BA0027E77D3B8FD6D56CF53620D099E2
8	emSign SMIME CA - G1	00AB98D0B97A5D695A	BA9E8A1FCC4154B094BE734035ECA7E54E9F5619D511B265750EEB982E2C6D06
9	emSign Root Client Auth CA - G1	008B0DCB4D9A00ECC11B0677FC86BCC8	6FB75190477405C28AFFFE25338A92F4973956ED5B1A2353B24B6204E04D4CF9
10	emSign Root SMIME CA - G1	0091685541577A36E8AE09ADEBE4CFAF	A65160E9770D70D8ACE8EC3670A7B4EF1F87F4F507B1CE3D6FC623ADED0694C1
11	emSign Root TLS CA - G1	00F7AB65559E10812DF6484347586A25	9B913476EAB476E21E0887DBCDE44345D1359D28116B83B7CD3E87BD807EBF68
12*	**emSign Root CA - G2**	00864DBF0FE35ED77D8ED8	1AA0C2709E831BD6E3B5129A00BA41F7EEEF020872F1E6504BF0F6C3F24F3AF3
13	emSign CS CA - G2	00C084E666596139A1FA9B	C2E4D1765005D5CA361D400A434B43036DBC931EC6D7B99C17BECC030CC74CA7D
14	emSign EV CS CA - G2	3CA9F3D18C08E50959D5	69E2448C5F03EEDE5EC2C907EFE96C3D33AD679B49CD29C38C5182323121BEFF
15	emSign Time Stamping CA - G2	00BA9E35E51ECFAC6C4740	C3BE06C6B0A92334423180E95EA1E683AAB9C3B7D0F5CB8A4F51FBC1006F3DC0
16	emSign Root CS CA - G2	5A1E22BDB4FAA8E679BD791F957537	A455EB8D8DC03CC7189B6A9438300D66373EB3225252CED2B12A6D25F0F940E0
17	emSign Root TSA CA - G2	0091DB8F1E6828435FBB765A369E54F9	2C15C5E31F6C837DC26D90568B10DE51D849E56E90ED25312507D2E108C31239
18*	**emSign ECC Root CA - G3**	3CF607A968700EDA8B84	86A1ECBA089C4A8D3BBE2734C612BA341D813E043CF9E8A862CD5C57A36BBE6B

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
19	emSign ECC SSL CA - G3	72DDC7E9DCE9B0DCFFC7	6B51D1DCF4EB7AEE424185CB1B9580574B39CB963863DE3EC1AD31DDB076CE9F
20	emSign ECC EV SSL CA - G3	01FE3E6C68DEBBEC263E	0116F17F97CDEF4ADE2E63CF2C1B064FD99F404D2B914100BC241F0781853323
21	emSign ECC CS CA - G3	35CF922FB9008249F89C	0D6869A2B4F5DF77A6AFB034225E9BEF345743CF306EDF36EE35B9D05AFAD89C
22	emSign ECC EV CS CA - G3	23BA23AB486AE7D5C0FE	0BADA979B71402FE860696032CF40E9D2A3F41CCB5D03BE33FBB94A80D7FFC7C
23	emSign ECC Class 1 CA - G3	00FB1E21982EB1B55C5925	ABA6A65DCE8955BAF0685AB88809B7699C174496EF9EE991533251494F43CE10
24	emSign ECC Class 2 CA - G3	23E1BA02DFF3E900EDDD	4E9B731567177E1776A96D66D9120B3DEB28B800937EA4662565B3EF5EC8000B
25	emSign ECC Class 3 CA - G3	00B8EB258324DB08ACC2F5	7066A0F42F530E0DB5AFEE72A3B04DE614E7D2305C67D12C756BB215E37CB975
26	emSign ECC Time stamping CA - G3	0084A863D6F61818464D34	C422AB86C1729E889FBCAF5CD73F217E03C29FE2AC50212F451307D915869F47
27	emSign ECC Device CA - G3	00876282A8FD758C391EC3	70B9BA595412CF8614B76747FD683CCA2759F42642164834FBEFDD88505C4F1C
28	emSign ECC SMIME CA - G3	0E906BB2267EC0FF	F5B3E914CDE2954F65464FA8E9D69F0492622B3C2AC243987B11CBBF1B451307
29	emSign Root CS CA - G3	14C6754E93E5D94C638D3FC90FAD76	7137FA71AD46BA686F746D1014AC57E8E6C6E9AF4AA2F73C0C44A5CF27DEBB59
30	emSign Root TSA CA - G3	7629AFFB27C4349E7218CE483DB54B	873BE6F9EF3057221928E840686E2D18211A2680AE07051148C11A29D41BA98F
31	emSign Root Client Auth CA - G3	50243F8B6EE1D97C789089421ED2FD	63088538028E233C61B54C5A4238B7C753C04F32362F1C95A428D28E9CB6B15E
32	emSign Root SMIME CA - G3	00B33EBCAC96AC83A823E2786D76B6D8	B4CEEBA48EF8CCC6090F6D2A62A85DBB51C5A106A7DC7EC5408270020F91C222
33	emSign Root TLS CA - G3	00961A3EFB1359576ED04005B4684A5B	3094025792039A68AF6E553686410BDAB7C0D4A36B9084CBA64202E35D6EBBDD
34*	**emSign Root CA - C1**	00AECF00BAC4CF32F843B2	125609AA301DA0A249B97A8239CB6A34216F44DCAC9F3954B14292F2E8C8608F
35	emSign SSL CA - C1	0086766B7F96DF60C46F8B	F91AACA0E4E533747A0880BFCF6F26720DC1D05494C3938DA6802290D5A09B32
36	emSign EV SSL CA - C1	00BADFD29B3F1E678C6960	F6F159286A1401DE5397E21A0090534A85F5E7B9F98FD4A5A47B1DFFD4BFDED4

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
37	emSign Class 1 CA - C1	7E065336C075C7998B63	0EF7B863FAABC384A694FF632DAAF9BD31CED23E9246559A59ECD7472754CCE6
38	emSign Class 2 CA - C1	1A5C82DEDCBC6A153030	05B30B3FC44F8575334BD812EF9FA8A52A75743E19BC35A5BE3912ECA62C4669
39	emSign Class 3 CA - C1	00B474F64D86392189496E	69B0DD09B98F36A9CC7BD7FFE8A00DCD319A5FC947C9C8AF72C92894D8E81092
40	emSign Device CA - C1	00B19BE3081E2D97B5BFCB	D034B18751BEE10AAAF94C2F14350D3F654E5B934D0DDA592B31E58187A48952
41	emSign Time Stamping CA - C1	00D6CB155EA221A1C4E37A	4D15E5199D88EAB1838E06EBA08BC690E971B4B1FCD77A6530E9C06F17FDF477
42	Soft-Net Secure Signing CA - C1	4D3A149CFA144F9E3115	CCEC157DA0F0BD58E3E8B584054FE0C44F04B4DD8C97B75B788D9140B05142F7
43*	**emSign Root CA - C2**	2F0AB76B0DCB4AAF2758	46CD083B47E80402028DF493960EA19C85FE851950D5165F1C7DA4FAA951E2F8
44	emSign CS CA - C2	00B4E6BA3BE4B674A36434	B0E6BB9D6E7A94BC4A6B89D96743438D2C565DBB0A697ABB21457ACA22A13CE4
45	emSign EV CS CA - C2	00AE0882F16DBA80375653	024998101210644F68FAE9115543A5E6D26A6DB0D2C10366FF2D5BB505D8872D
46	emSign Time Stamping CA - C2	63720D6AB070BF2A157D	571FC70654AB8C1AA3B4A261A3D505FAE10BC4558FA17C72849B6B98BC845CAE
47*	**emSign ECC Root CA - C3**	7B71B68256B8127C9CA8	BC4D809B15189D78DB3E1D8CF4F9726A795DA1643CA5F1358E1DDB0EDC0D7EB3
48	emSign ECC SSL CA - C3	5B7D9BB1FD33B9BC1D84	A061D445399714C38FC101A6E9AFBDB381F112FA5DE7D5BC14904558D1ED3276
49	emSign ECC EV SSL CA - C3	1B50581F7334B30B2723	C0A578F2109E6F42D3D939948DEEAB729B20F7B23B4237ABD8494DF554CF985C
50	emSign ECC CS CA - C3	00B8973C4278609F2AF2A4	A3AFD72375C1D7A8330E62D577E13581B72332C8062DFA9CF39E51AE65088582
51	emSign ECC EV CS CA - C3	6004C5E20B62FDD48C46	CB210979924020970337AE32DA5C3F981A9E05714EC22BB1C3421FE695E5157A
52	emSign ECC Class 1 CA - C3	00BD6A0796AB3F8955521E	FAD2E98649F1C606150F55269EBC035AEA22FFAC131DE64BA6900C75D8447B7E
53	emSign ECC Class 2 CA - C3	00D1142766698BFCDEDA02	DB4591F878F6672F5B70733A66AD7C9537B97E6F0AF5CA49AAB8ECB2CE02F86B
54	emSign ECC Class 3 CA - C3	3D12A1CF78258D580854	5A9A03F2D3FE589BE63CDA11820A9F25F074C92034F51C047D34226D252EC025

No	Common Name	Certificate Serial No.	SHA-256 Fingerprint
55	emSign ECC Time stamping CA - C3	00B94B49C6436D72090201	71D2EE4DDA251D9244F7CE7C6D478EC552D424EF719F02B71030F2821B6BC853
56	emSign ECC Device CA - C3	00D9365F15842A1D0689C3	3D4511D0A80AA949A6D99B253A173471797C4459187A6329E736C37CB5493E46
57*	**emSign Root Client Auth G1**	0E4FA878FEA8183E7107189595046D84	8ABFC40FAEAF13CBC8BB67B61C8D097A321CD2FEE047C54256927E0F8BFEADFD
58	emSign Client Auth CA - G1	009E351D31686B4110253502BD33810C	A2F8EA7537CD5AF80D048497A432DE5907AEE52785D07061462FC511467BE720
59*	**emSign Root Client Auth G3**	0C514FFD18852863D2AAB9B7006346DF	BBD8B3D745EFB79198D93B9C482B9D934537325729EA2F02C129261F91BE2E3D
60	emSign Client Auth CA - G3	00C9301C02A5BE73A6EEB7E3554D1774	2997C32BEFC8DFBFC15981154443E63D5C06620AD408EE41082BA0669C064CFA
61*	**emSign Root CS CA - G2**	0886217572A7C40CC3BB2EE5D72D6E6C	0D74EF67C88DE3560365E225AEF976F915E901347B73352D81AB5B4132BB2150
62	emSign CS CA - G2	34591FC67FCBA9A537D7B16E71CB45	C58E88B283F4C11B08FDBEF396C6242F50C51F4E2190F40751FD6983E9EFA8E2
63	EM OV CS CA - G2A-1	00FF1E75860CB7DEBF1579A77837AA90	6CE3E43327FD6694707C1B87346E26F0BBDAE808744D39821BE530FE90C1D310
64	EM OV CS CA - G2B	33E8C5A8046D443E8FA5F1AF733188	913F1A04B02814B604AC5275ACB201B1C802B2C0F1B4986FB1A1EB595958E072
65	EM OV CS CA - G2C	7F7C7D863DC9B3541E9D0C4B91237E	EBAC91B8EC9853323779EDB393C595FADB29DD4DDB20C47E336F2A021684F27B
66*	**emSign Root CS CA - G3**	018FCEC927C116F59C997EDC0CCD2E2B	F2EDAAFF3D9B701FB4D14C9F285F8C0BAD90FC3BCC1FA07D47F4718EDABA34A5
67	emSign CS CA - G3	5BA07BE0A30F4BD2BFA51D85E7D9C8	945CAA768EF29EF4E89EC7EA1E9BF0AEDC1FF8F89B9AF8D1C76E70FFCD4E18AE
68	EM OV CS CA - G3A-1	2C0D3D93C650F771B32541B78920D2	F3E525E51E2BB27CAB003D874566B0B7762B7EAC5BEBC8CDDFDFF8B26AD430C3
69	EM OV CS CA - G3B	7818933F8F85B4619A2B35FBA83D0A	9E39DE2881273ACC225A149C72BA3E0F51424963669AB633EE1DC7DF5DB067B4
70	EM OV CS CA - G3C	544B7F922C31AE220A4A922916F6E6	4B2460A466F95FD40113BCDCCA2CEB29B3B093921DE45474DA7DF48874C630B1
71*	**emSign Root SMIME CA - G1**	0C974F5F068B868F52FC0CF7E5544F51	47911BC8F32A11B029E0BB10A348B459404B87731B870A2F3FA97B4705DC4C25
72	emSign SMIME CA - G1	00FE04E642637D4020947D6C5F4E0BD0	B9E2588E93B5E53617B842E6ED34854EE46BA3D6721EC45DC650CE4439F514BE

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73*	**emSign Root SMIME CA - G3**	009F4F5FF84A1A6DC2C83C0EF9B7031F	F76A0D440C418DC5B362BE8E11E0A5D06023F4396093E4F455827BF55153D8A4
74	emSign SMIME CA - G3	13BCE369D10F5CA4408D91B84155CB	30444F40CAC26FFF497B1CD00DDF4D81453A8A176272CC34ABE35FD564602B1B
75*	**emSign Root TLS CA - G1**	02A27D4E346AEF4E4F04678B5BB6D9EE	CEF71E70B7C29ADDF6C30CD19E614B38FD5F02A435A0EEDDD0087E183D101A51
76	emSign TLS CA - G1	437E0DB6D4E846134D00AD35463A7D	DE029E40F6BB851DA4B804C65121D8535084FDF6B3B47DDF7E94B4E46A6C3437
77	EM DV TLS CA - G2A-1	00B6391A6D28C7886AE6FCCED2F3C1A7	3F13597D3355D341BD09328AEE567D7F4E002D9919B986F9962DAFF197EA75D1
78	EM DV TLS CA - G2B	00F0A030825E22BB2E1D88E3889DC073	829EC444B8BE3DFD2D030A0D9E7A1D0DD2A3C2C325D39589C27AC9A065BAE793
79	EM DV TLS CA - G2C	00AB5DEA38BDC920D5FA4736DA54BEBE	0427EA3CB4A7B4CB205E77A7B166D332BEDB8E8EF469BC5E883169C8D0AC876D
80	EM OV TLS CA - G2A-1	59491409E797EA968F05E0FF331FEC	291804EC866837CD5AF5F4D652F1DCC79BEC622D4F9BF4870E5E4D8639DF3AD4
81	EM OV TLS CA - G2B	00C164DB9804F563241ED32C4100A566	6A7A93861982B664001710A0EFD04C8A72F6A23E252B280911797E0BF1BD9012
82	EM OV TLS CA - G2C	00CBDCFA0D64112709CF14B7E4858250	DE767792E870BD32F331029FC89DC24C53F9DF970DC70F1EA30CF29DB3F94BA9
83	EM EV TLS CA - G2A-1	35ACF2A0E598C8E849D5EE7E724C82	684B11E56AB72502B75DACA1CD009E3DD4BEAB3AC1FE448902D272766CCA797E
84	EM EV TLS CA - G2B	008F06A3F1D6A2FC71D29393C71CD48E	E072B30D7F5B8BCF0080E51D6CC7765767072DB2319E9BB1CD3D02A086898750
85	EM EV TLS CA - G2C	00B28103309375C0CBB9E9B80B66C430	C3BC2B480FB1A1AB4D0BA1ED6C7B53E0964470457336209 91A32D6798D77AA20
86	InCommon Intermediate CA - DVG2C	4FE567B5B596FA438DC6D291B3CB43	830905812307DF14C3D9D71B9A5A83247940857DD20BF6D67F6493D2070DA649
87	InCommon Intermediate CA - OVG2C	63A4D371C1A726EEBA6078D651F7DC	BA02F2F97BA481D19ED4906BAB5602A9CE1CCE5D1F362EB5EC4F9D828EF09FFC
88	InCommon Intermediate CA - EVG2C	0E9098B1015D2FDA128A5342BDB088	A83559D892F4692DA9A088A1B759773015D7AA6FB2B50B18C5F9F89CC27631E1
89	InCommon RSA IGTF Server CA 4	40E8F6EEB511BF26B4FFAEE1F666FC	F1A78E13D7AB31072E223918D257B541010AD93AE6D39F3D74A0D8B2EE4C3E7D
90*	**emSign Root TLS CA - G3**	0E760672F143459FC8FE0AB0BC05E394	7DD78D5F4F13459A83DFF9ABBBA62EDBAF6F2D102BF257FD712F4D9F2746ED8D

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91	emSign TLS CA - G3	3B6ECEC869F677EFF33445C0E3EDC5	04E6DEA261B8720E0525E9DA23282100352BDEBC119CFC3DBD812C3D68A2BCDD
92	EM DV TLS CA - G3A-1	00A3E5AD9D0C0374A342E5E2A3F506DD	4896D51F6537A5326272C412BC75990E15D4F5ECDC2946C19776923B8E169E93
93	EM DV TLS CA - G3B	00A4AEE678F23362B4C0E460B772F214	42C4ACCD12C4F59597925E1A08A7A90102608543809308D50EC427E118BA1493
94	EM DV TLS CA - G3C	588B2E3C2BB8CDA13E1A1209254321	0164D7CEAE5BB909C272AF151FF44B1177AE9B47D9424B94F1D9558C30934D19
95	EM OV TLS CA - G3A-1	00C5FB5F2D43071F5B5623B5D132878C	259FF0963A0665BF40D92E05E95B960CCB423DBD117482AE647BC7FD5F5CE644
96	EM OV TLS CA - G3B	6CADA367FB1C100088120EA202D568	98B896625C0C230ADEEC3EB2CF6AAD5001ECF9156A68644E82374CE5833BC25B
97	EM OV TLS CA - G3C	296926C227A3A1526392B19482A504	CB6E15165AC802E9B3F993F16C25D41F4E81C21EBDE71AE1B012AC00BF9C7C3F
98	EM EV TLS CA - G3A-1	00B28971D9989A629CA9B4E206067211	BA0A3DA706F47DAC1A9C33C4EE1E4D86B726EF48E70D4319F3C949EC673A1975
99	EM EV TLS CA - G3B	00C7C41EFE92D825F05EAE841A4A82C1	E7568FE6E12331F4FD7DE61DA4C7559D0F8EB192A218D4741A3BA75184333838
100	EM EV TLS CA - G3C	008009928A64107601AF05FA2F19F109	432EC25F0D28DE9006D97BF752F17BBB2CD41F669933FCB072D9A1148D0261F3
101	InCommon Intermediate CA - DVG3C	00CE966707D5D28A7AE8AB6F00631B4F	3460C02F0B4B06C2739CB0DE17B41062B94515D837652AEBFF77AE87E0930CFF
102	InCommon Intermediate CA - OVG3C	66A11F396CE7BD4EFB9EB96208D6F3	566B3AF3CB6663A9F9E21EEF820889C2D1A4EA2F7DF0B7BB0D5060249870FA08
103	InCommon Intermediate CA - EVG3C	00C61D1CF77FA6D4C88875A43BEB4AE4	5F2F050F9CDD928FE50102244733CBA7EA72204D9A7686949CE59E402AD1AAB9
104*	**emSign Root TSA CA - G2**	065E0E80658A572E5EBDBF93A493E350	1997770A5633FB6D0440ABF7D7E87E15D795F094F8C2959DADB00E785866BF48
105	emSign TSA CA - G2	3B259DBA31D18278A0C4195558F2D0	D4317853D206E7C3365ABC631DF8BB409514F2A41B01A4601E2F6737BCCB1457
106*	**emSign Root TSA CA - G3**	0E27F07F8657096CCFD447EA0E2399EC	75D2CE75979CF2A43B172C9F89F733DDA2136031DB4BBF3698B053714C077155
107	emSign TSA CA - G3	5CED5EFC3929614083FF28B466830F	7D9E3951568A20EF05B4880FFFB41D2E61AAA7401A7E67C19A3B9C71503E5705

Reflects Root CA certificates

List of Cross signed CAs:

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1	EM DV TLS CA - G2A-1	45D2438F4CAE023D3D78A052A5A9DB94	122A5433D8A2A8C501D5E680AB216885A6019326A189DF91E8895F8B5AD488DD
2	EM DV TLS CA - G2B	6D3091E911E878BA6E196CC2A186FF01	5F0D6380B345D409C641D089B081D7B43B365FD413994403301671C3CBC6A3E5
3	EM DV TLS CA - G2C	00DF5AD8718C74A3CFEE80D5B5FB94AE03	8FE4701D088C2250317BB3A77EDC1707E38E1112E8A334F615CFA9D46F175B04
4	EM DV TLS CA - G3A-1	00FBF771754D6A8760263B3E115432593F	ECB8D30846BEF4B340C90152659F452FD81A7A4F41429B890F1E2B3467058565
5	EM DV TLS CA - G3B	00A024FDF4BA665C785CE4A020483858B7	45A883F349AEDFD5F3A649B5498FFB121712BA8B448F3F2A91DBC5A766FCDDBE
6	EM DV TLS CA - G3C	0091F347F1A5B7D39962B95E0EE4E299D1	62B7F9868263F72F6911FC78CEAF72C1979158B7368BF648683BB2AA39B02E72
7	EM EV TLS CA - G2A-1	46057D09344E92BB7064D4C7219F3C2D	A57FACB931C9A20376E6FE212F7234EFF7B8811436A421BEFF26F5DEA9BCC4F1
8	EM EV TLS CA - G2B	00E84B4F5D5B7BEDF7C770DAA72EE04732	43785B01437218B8D57C2A5B5979976ECAF06B35A710A5CA4BB3C0C1BA65A078
9	EM EV TLS CA - G2C	00EDE78290C6A3193FCEA950E66DF34D20	0307BC756AAEA5398BF3B47D433D2BCB83470F7FEA640753877ADEFD910E8BF3
10	EM EV TLS CA - G3A-1	00AABA43C0D684BA96FE14CE7397A4EE35	D62657961AC9C5A9A522549E34CADE585ECBFD3869A780C97EDF52E0EC90CEFC
11	EM EV TLS CA - G3B	00D8F8685E4F2BD9D82402A85A1C1EB731	579480AEA166290BD3C643589E795FC0D0E54E86505D180F1DFF99EFD3199512
12	EM EV TLS CA - G3C	05F078752DECE7A1BB8595D303167171	FD9D5C2DBBD4995AB69B8D50C439D9527B00529199C2FD01B2174EB58F07021F
13	EM OV TLS CA - G2A-1	49CA1A0221C19698975E1EC6F4EDA4D1	E0DA30FF7384B9873EDE9FB2DBA7F1353C7E60ED59BB9A43779F9E8494A47BAC
14	EM OV TLS CA - G2B	2923D7603B9D92DEDD54733C594811DA	121C42490FECA63B63E7D068046CC4C5FC58436BF71C97283746F37A9DD67799
15	EM OV TLS CA - G2C	119AF942CF007231271F37B0CDAE9928	ED82135F7D946673F8298BF758DC830BAD20FB37F5BB9EAC52B236563FEC931E
16	EM OV TLS CA - G3A-1	00ADA1791F3D515E1A4080D208AE888A01	1159D471B5746802C2F2CB2FFFE6D5C332B9319BD52ACEBFA93AEC07544E7C5D
17	EM OV TLS CA - G3B	00E94223BDE92F914E5AB9ACABFDAC3710	5F1DED4DD590AF74631290CF073B122A2AAC6A1FA479778A0BD43579BD832699
18	EM OV TLS CA - G3C	008D5A4811939EF447D77111CDD9849AE9	7485B51C0ED192878FA1D2F948FB529AE1842CC5086C4B67F7BE5B2039DE9489

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19	EM OV CS CA - G2A-1	00AB5C8EA3D818F5210DE5D34B714C6A8B	53BB70186A0D70A2F66592725F9BC1221D24C02DE6305D05B16A9550B0FAE541
20	EM OV CS CA - G2B	0086C279F6A312956E2D2FEF451CFB8D15	FBD14D574D7D5223E6715E18CE995D4FD3E986F3E8B0E5D29106E87F7C821E58
21	EM OV CS CA - G2C	00B86766B44EE2729C9E49189029924E65	0250C8D47AC74406A9CCFF5EB0F84FF85AA4D3E224421241AC54590CF872D458
22	EM OV CS CA - G3A-1	00C7AABEE770FCBB8CBC9953AD20D9C120	BCDFEE2D58C7BF98E60518676C74D798A22D734371C5F56227691398E2C79B11
23	EM OV CS CA - G3B	41E32B73AC185D6CE0D7480BACF84E69	A496E23AC0CAB8155FC9B117B97EAE368EFCBB9041AEC8804D5A308D2D01C2D8
24	EM OV CS CA - G3C	00D6A5EF613B390F32EF9CDF349F772841	84112972B8E59D14560AE7E7119654474AAD119990CF3722BFC1E3B91615E1FD