

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 Bangalore, Karnataka, India throughout the period 20 February 2018 to 19 September 2018 for its CAs as enumerated in [Appendix A\(i\)](#), emSign PKI has:

- disclosed its SSL certificate lifecycle management business practices in applicable versions of its Certification Practice Statements as enumerated in [Appendix B](#), including its commitment to provide SSL certificate in conformity with CA/Browser Forum Requirement on the emSign PKI’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 SSL certificates it manages is established and protected throughout their lifecycles; and
 - SSL subscriber information is properly authenticated (for the registration activities performed by emSign PKI);
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorised individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorised and performed to maintain the CA systems integrity;

And, for its CAs as enumerated in [Appendix A\(ii\)](#):

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

in accordance with the [WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.3](#).

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 - SSL Baseline with Network Security v2.3.

Our independence and quality control

We have complied with the relevant rules of professional conduct / code of ethics applicable to the practice of public accounting and related to assurance engagements, issued by various professional accounting bodies, which are founded on fundamental principles of integrity,



objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies Canadian Standard on Quality Control 1, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Auditor's responsibilities

Our responsibility is to express an opinion on management's assertion based on our procedures. We conducted our procedures in accordance with Canadian Standard on Assurance Engagements 3000, *Attestation Engagements Other than Audits or Reviews of Historical Financial Information*, set out in the CPA Canada Handbook - Assurance. 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 SSL certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of SSL certificates, and obtaining and understanding of emSign PKI's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
- 2) selectively testing transactions executed in accordance with disclosed SSL certificate lifecycle management practices;
- 3) testing and evaluating the operating effectiveness of the controls; and
- 4) performing such other procedures as we considered necessary in the circumstances.

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

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at 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

Because of the nature and inherent limitations of controls, emSign PKI's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorised access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection of any conclusions based on our findings to future periods is subject to the risk that changes may alter the validity of such conclusions.

Opinion

In our opinion, throughout the period 20 February 2018 to 19 September 2018, 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 - SSL Baseline with Network Security v2.3.



This report does not include any representations as to the quality of emSign PKI's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.3, 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 - SSL Baseline with Network Security Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

A handwritten signature in black ink, appearing to read 'BDO'.

BDO Consulting Sdn. Bhd.

Kuala Lumpur, Malaysia

8 October 2018



Appendix A(i) - List of SSL Root and Subordinate CAs in Scope

No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
1	emSign Root CA - G1	31F5E4620C6C58EDD6D8	FB:EF:0D:86:9E:B0:E3:DD:A9:B9:F1:21:17:7F:3E:FC:F0:77:2B:1A	40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67
2	emSign SSL CA - G1	217AD58B1C713C002091	34:D1:F7:39:32:45:40:4A:99:2B:7D:89:6A:57:69:AD:95:AF:E3:37	47:B2:EF:BC:36:70:E7:DB:4B:41:F2:2C:51:FC:02:EE:84:FB:2D:BF:30:82:A4:9F:2C:26:88:12:2E:92:10:A1
3	emSign ECC Root CA - G3	3CF607A968700EDA8B84	7C:5D:02:84:13:D4:CC:8A:9B:81:CE:17:1C:2E:29:1E:9C:48:63:42	86:A1:EC:BA:08:9C:4A:8D:3B:BE:27:34:C6:12:BA:34:1D:81:3E:04:3C:F9:E8:A8:62:CD:5C:57:A3:6B:BE:6B
4	emSign ECC SSL CA - G3	72DDC7E9DCE9B0DCFFC7	13:8D:4C:28:99:E1:62:B7:D2:E0:53:E3:18:D1:62:DC:1C:CA:66:FA	6B:51:D1:DC:F4:EB:7A:EE:42:41:85:CB:1B:95:80:57:4B:39:CB:96:38:63:DE:3E:C1:AD:31:DD:B0:76:CE:9F
5	emSign Root CA - C1	00AECF00BAC4CF32F843B2	FE:A1:E0:70:1E:2A:03:39:52:5A:42:BE:5C:91:85:7A:18:AA:4D:B5	12:56:09:AA:30:1D:A0:A2:49:B9:7A:82:39:CB:6A:34:21:6F:44:DC:AC:9F:39:54:B1:42:92:F2:E8:C8:60:8F
6	emSign SSL CA - C1	0086766B7F96DF60C46F8B	FC:C5:15:40:F1:AF:4F:13:B2:98:F2:71:0E:63:15:37:D1:94:6B:74	F9:1A:AC:A0:E4:E5:33:74:7A:08:80:BF:CF:6F:26:72:0D:C1:D0:54:94:C3:93:8D:A6:80:22:90:D5:A0:9B:32
7	emSign ECC Root CA - C3	7B71B68256B8127C9CA8	FB:5A:48:D0:80:20:40:F2:A8:E9:00:07:69:19:77:A7:E6:C3:F4:CF	BC:4D:80:9B:15:18:9D:78:DB:3E:1D:8C:F4:F9:72:6A:79:5D:A1:64:3C:A5:F1:35:8E:1D:DB:0E:DC:0D:7E:B3
8	emSign ECC SSL CA - C3	5B7D9BB1FD33B9BC1D84	E3:E8:97:1E:BF:C4:3D:3A:B0:DC:F7:1D:9D:3F:5F:2C:B1:6D:EB:6C	A0:61:D4:45:39:97:14:C3:8F:C1:01:A6:E9:AF:BD:B3:81:F1:12:FA:5D:E7:D5:BC:14:90:45:58:D1:ED:32:76



Appendix A(ii) - List of SSL and Non-SSL Root and Subordinate CAs in Scope

No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
1	emSign Root CA - G1	31F5E4620C6C58EDD6D8	FB:EF:0D:86:9E:B0:E3:DD:A9:B9:F1:21:17:7F:3E:FC:F0:77:2B:1A	40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67
2	emSign SSL CA - G1	217AD58B1C713C002091	34:D1:F7:39:32:45:40:4A:99:2B:7D:89:6A:57:69:AD:95:AF:E3:37	47:B2:EF:BC:36:70:E7:DB:4B:41:F2:2C:51:FC:02:EE:84:FB:2D:BF:30:82:A4:9F:2C:26:88:12:2E:92:10:A1
3	emSign EV SSL CA - G1	626CB92B237FF82E3F50	B2:9D:CF:41:A7:E9:C3:E0:85:56:40:98:4B:F6:8F:7C:55:29:E7:7E	43:34:EE:B2:CC:11:4F:82:BE:E6:F8:A7:E5:AE:A0:3A:42:EB:2E:1F:70:CB:D6:61:02:E4:14:D7:2F:00:33:B9
4	emSign Class 1 CA - G1	00D59B7C9B36A2D44922EA	DC:60:8F:0A:DE:B1:99:84:9B:84:40:03:E3:75:03:32:03:80:00:90	CF:6D:03:33:D0:BE:2C:69:A4:2D:45:39:60:DE:E9:E1:09:D9:E8:84:3E:A3:06:1A:16:71:D6:EA:F8:5E:B7:D8
5	emSign Class 2 CA - G1	3C5BDA55C0A236A744CD	E6:DD:0D:B9:9B:D2:15:40:CF:23:08:2D:6C:19:B8:5C:68:32:52:32	63:A8:36:9D:C8:24:A4:2B:C7:AE:6E:E5:D2:6A:AF:D3:2D:F4:AF:67:7C:A1:8B:94:1B:7A:57:E3:3B:1E:35:59
6	emSign Class 3 CA - G1	00A08870825A326BED9611	5C:A5:9C:41:EF:6E:41:61:46:79:2C:DF:D8:55:45:05:D5:A7:1A:86	42:DA:1C:56:2F:80:E4:6D:A7:A3:21:24:4E:FC:23:D0:FA:A9:FE:BB:B7:AA:03:77:D9:6B:42:D9:E8:8A:B2:00
7	emSign Device CA - G1	0465835247364A904A8E	0B:93:78:E2:E0:35:07:6D:DF:86:77:8F:8C:51:8D:E3:35:7C:A9:77	4C:91:98:B6:73:55:08:58:79:9A:D2:74:4C:C0:83:C1:BA:00:27:E7:7D:3B:8F:D6:D5:6C:F5:36:20:D0:99:E2
8	emSign Root CA - G2	00864DBF0FE35ED77D8ED8	ED:EC:4D:45:61:18:28:E7:B3:23:28:11:1C:4D:A5:27:0D:5E:EC:F4	1A:A0:C2:70:9E:83:1B:D6:E3:B5:12:9A:00:BA:41:F7:EE:EF:02:08:72:F1:E6:50:4B:F0:F6:C3:F2:4F:3A:F3
9	emSign CS CA - G2	00C084E666596139A1FA9B	15:86:CA:B6:74:96:17:48:58:34:82:2C:CD:D2:E1:75:9E:AF:44:B7	C2:E4:D1:76:50:05:D5:CA:36:1D:40:0A:43:4B:43:03:6D:BC:93:1E:C6:D7:B9:9C:17:BE:C0:30:CC:74:CA:7D
10	emSign EV CS CA - G2	3CA9F3D18C08E50959D5	47:95:C9:61:C0:B0:6A:44:10:2F:1A:35:DA:58:B0:96:AA:F6:4B:8E	69:E2:44:8C:5F:03:EE:DE:5E:C2:C9:07:EF:E9:6C:3D:33:AD:67:9B:49:CD:29:C3:8C:51:82:32:31:21:BE:FF



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
11	emSign Time Stamping CA - G2	00BA9E35E51EC FAC6C4740	C0:0F:C1:F7:CF:9E :26:FF:8B:71:4A:C B:EC:F6:09:9F:2E: FA:C4:A1	C3:BE:06:C6:B0:A9:23: 34:42:31:80:E9:5E:A1:E 6:83:AA:B9:C3:B7:D0:F 5:CB:8A:4F:51:FB:C1:0 0:6F:3D:C0
12	emSign ECC Root CA - G3	3CF607A968700 EDA8B84	7C:5D:02:84:13:D4 :CC:8A:9B:81:CE:1 7:1C:2E:29:1E:9C: 48:63:42	86:A1:EC:BA:08:9C:4A: 8D:3B:BE:27:34:C6:12: BA:34:1D:81:3E:04:3C: F9:E8:A8:62:CD:5C:57: A3:6B:BE:6B
13	emSign ECC SSL CA - G3	72DDC7E9DCE9B 0DCFFC7	13:8D:4C:28:99:E1 :62:B7:D2:E0:53:E 3:18:D1:62:DC:1C: CA:66:FA	6B:51:D1:DC:F4:EB:7A: EE:42:41:85:CB:1B:95: 80:57:4B:39:CB:96:38: 63:DE:3E:C1:AD:31:DD: B0:76:CE:9F
14	emSign ECC EV SSL CA - G3	01FE3E6C68DEB BEC263E	D1:AA:B4:D2:D2:2 5:82:4E:B3:F0:93: 60:17:4A:9B:63:7A :F9:1F:0D	01:16:F1:7F:97:CD:EF: 4A:DE:2E:63:CF:2C:1B: 06:4F:D9:9F:40:4D:2B: 91:41:00:BC:24:1F:07:8 1:85:33:23
15	emSign ECC CS CA - G3	35CF922FB90082 49F89C	E6:1A:AE:5A:79:8 C:D0:28:4D:37:E0: 9E:6B:C5:2D:5D:B 4:6C:F8:EB	0D:68:69:A2:B4:F5:DF: 77:A6:AF:B0:34:22:5E: 9B:EF:34:57:43:CF:30:6 E:DF:36:EE:35:B9:D0:5 A:FA:D8:9C
16	emSign ECC EV CS CA - G3	23BA23AB486AE 7D5C0FE	FA:5C:F7:B7:49:4D :5D:6B:F0:32:28:E 1:E5:D5:AD:FA:FA: D5:BC:83	0B:AD:A9:79:B7:14:02: FE:86:06:96:03:2C:F4:0 E:9D:2A:3F:41:CC:B5:D 0:3B:E3:3F:BB:94:A8:0 D:7F:FC:7C
17	emSign ECC Class 1 CA - G3	00FB1E21982EB1 B55C5925	46:BE:80:C3:C8:27 :FE:EC:9B:58:2B:1 A:62:5D:B2:D5:D1: 02:38:68	AB:A6:A6:5D:CE:89:55: BA:F0:68:5A:B8:88:09: B7:69:9C:17:44:96:EF:9 E:E9:91:53:32:51:49:4F :43:CE:10
18	emSign ECC Class 2 CA - G3	23E1BA02DFF3E 900EDDD	E0:16:FE:BD:C4:E1 :65:C6:A5:99:4C:8 9:5E:71:8E:D4:5D: 67:F1:FD	4E:9B:73:15:67:17:7E:1 7:76:A9:6D:66:D9:12:0 B:3D:EB:28:B8:00:93:7 E:A4:66:25:65:B3:EF:5E :C8:00:0B
19	emSign ECC Class 3 CA - G3	00B8EB258324D B08ACC2F5	22:62:4A:BC:7E:6D :A1:30:B7:2A:C9:9 5:7E:2A:23:DE:3D: 27:F3:8D	70:66:A0:F4:2F:53:0E:0 D:B5:AF:EE:72:A3:B0:4 D:E6:14:E7:D2:30:5C:6 7:D1:2C:75:6B:B2:15:E 3:7C:B9:75
20	emSign ECC Time stamping CA - G3	0084A863D6F61 818464D34	F1:DD:23:B0:F4:F1 :1D:EB:24:35:64:6 3:3C:10:A9:D9:54: 8F:08:3F	C4:22:AB:86:C1:72:9E: 88:9F:BC:AF:5C:D7:3F: 21:7E:03:C2:9F:E2:AC: 50:21:2F:45:13:07:D9:1 5:86:9F:47



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
21	emSign ECC Device CA - G3	00876282A8FD758C391EC3	A5:AC:F9:1F:5A:25:8E:10:B0:29:DA:19:00:26:86:E8:A1:E6:E8:D9	70:B9:BA:59:54:12:CF:86:14:B7:67:47:FD:68:3C:CA:27:59:F4:26:42:16:48:34:FB:EF:DD:88:50:5C:4F:1C
22	emSign Root CA - C1	00AECF00BAC4CF32F843B2	FE:A1:E0:70:1E:2A:03:39:52:5A:42:BE:5C:91:85:7A:18:AA:4D:B5	12:56:09:AA:30:1D:A0:A2:49:B9:7A:82:39:CB:6A:34:21:6F:44:DC:AC:9F:39:54:B1:42:92:F2:E8:C8:60:8F
23	emSign SSL CA - C1	0086766B7F96DF60C46F8B	FC:C5:15:40:F1:AF:4F:13:B2:98:F2:71:0E:63:15:37:D1:94:6B:74	F9:1A:AC:A0:E4:E5:33:74:7A:08:80:BF:CF:6F:26:72:0D:C1:D0:54:94:C3:93:8D:A6:80:22:90:D5:A0:9B:32
24	emSign EV SSL CA - C1	00BADFD29B3F1E678C6960	C9:71:16:45:43:3B:16:5E:5F:46:FD:EE:35:4D:44:7B:7D:AE:75:07	F6:F1:59:28:6A:14:01:DE:53:97:E2:1A:00:90:53:4A:85:F5:E7:B9:F9:8F:D4:A5:A4:7B:1D:FF:D4:BF:DE:D4
25	emSign Class 1 CA - C1	7E065336C075C7998B63	3B:0E:EF:29:3B:11:48:29:2C:01:15:D1:8E:7B:79:69:05:7B:C9:52	0E:F7:B8:63:FA:AB:C3:84:A6:94:FF:63:2D:AA:F9:BD:31:CE:D2:3E:92:46:55:9A:59:EC:D7:47:27:54:CC:E6
26	emSign Class 2 CA - C1	1A5C82DEDCBC6A153030	26:68:C0:F3:FC:40:1C:F7:CA:12:4B:4F:92:C3:8B:14:94:48:3B:FD	05:B3:0B:3F:C4:4F:85:75:33:4B:D8:12:EF:9F:A8:A5:2A:75:74:3E:19:BC:35:A5:BE:39:12:EC:A6:2C:46:69
27	emSign Class 3 CA - C1	00B474F64D86392189496E	7B:9E:A6:C5:27:7E:64:97:AB:84:01:3A:EA:26:96:6B:92:4E:87:E1	69:B0:DD:09:B9:8F:36:A9:CC:7B:D7:FF:E8:A0:0D:CD:31:9A:5F:C9:47:C9:C8:AF:72:C9:28:94:D8:E8:10:92
28	emSign Device CA - C1	00B19BE3081E2D97B5BFCB	92:C5:7C:AD:63:20:E5:4C:23:CF:69:11:CF:A7:87:FB:81:F4:91:F8	D0:34:B1:87:51:BE:E1:0A:AA:F9:4C:2F:14:35:0D:3F:65:4E:5B:93:4D:0D:DA:59:2B:31:E5:81:87:A4:89:52
29	emSign Root CA - C2	2F0AB76B0DCB4AAF2758	B3:F7:8A:A4:D6:0F:88:00:59:E8:51:17:4F:D5:7E:EC:86:22:81:9D	46:CD:08:3B:47:E8:04:02:02:8D:F4:93:96:0E:A1:9C:85:FE:85:19:50:D5:16:5F:1C:7D:A4:FA:A9:51:E2:F8
30	emSign CS CA - C2	00B4E6BA3BE4B674A36434	9A:42:64:A2:E0:62:94:95:C8:12:C3:0F:D5:7E:46:7C:41:2A:B2:2A	B0:E6:BB:9D:6E:7A:94:BC:4A:6B:89:D9:67:43:43:8D:2C:56:5D:BB:0A:69:7A:BB:21:45:7A:CA:22:A1:3C:E4

No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
31	emSign EV CS CA - C2	00AE0882F16DB A80375653	5B:9F:D5:1A:1D:04 :3E:61:B6:65:17:B 8:B0:E9:F5:85:F5: 48:2D:17	02:49:98:10:12:10:64:4 F:68:FA:E9:11:55:43:A5 :E6:D2:6A:6D:B0:D2:C1 :03:66:FF:2D:5B:B5:05: D8:87:2D
32	emSign Time Stamping CA - C2	63720D6AB070B F2A157D	C1:41:93:9D:9D:EF :34:CC:72:FD:D8:4 0:A6:1E:D6:B7:2A: 43:AA:E9	57:1F:C7:06:54:AB:8C: 1A:A3:B4:A2:61:A3:D5: 05:FA:E1:0B:C4:55:8F: A1:7C:72:84:9B:6B:98: BC:84:5C:AE
33	emSign ECC Root CA - C3	7B71B68256B812 7C9CA8	FB:5A:48:D0:80:20 :40:F2:A8:E9:00:0 7:69:19:77:A7:E6: C3:F4:CF	BC:4D:80:9B:15:18:9D: 78:DB:3E:1D:8C:F4:F9: 72:6A:79:5D:A1:64:3C: A5:F1:35:8E:1D:DB:0E: DC:0D:7E:B3
34	emSign ECC SSL CA - C3	5B7D9BB1FD33B 9BC1D84	E3:E8:97:1E:BF:C4 :3D:3A:B0:DC:F7:1 D:9D:3F:5F:2C:B1: 6D:EB:6C	A0:61:D4:45:39:97:14: C3:8F:C1:01:A6:E9:AF: BD:B3:81:F1:12:FA:5D: E7:D5:BC:14:90:45:58: D1:ED:32:76
35	emSign ECC EV SSL CA - C3	1B50581F7334B3 0B2723	48:B7:68:E8:3C:B2 :E6:B1:12:44:4C:C 4:D7:D3:9A:0B:6F: E9:5A:C6	C0:A5:78:F2:10:9E:6F: 42:D3:D9:39:94:8D:EE: AB:72:9B:20:F7:B2:3B: 42:37:AB:D8:49:4D:F5: 54:CF:98:5C
36	emSign ECC CS CA - C3	00B8973C427860 9F2AF2A4	74:BF:90:17:0E:A3 :70:6E:3C:53:C9:C C:01:51:2E:5B:A7: 80:80:BB	A3:AF:D7:23:75:C1:D7: A8:33:0E:62:D5:77:E1: 35:81:B7:23:32:C8:06:2 D:FA:9C:F3:9E:51:AE:6 5:08:85:82
37	emSign ECC EV CS CA - C3	6004C5E20B62F DD48C46	A7:6A:A4:7D:5D:0 E:18:02:D1:3E:EE: 04:D6:DF:21:C7:3 A:23:61:9C	CB:21:09:79:92:40:20:9 7:03:37:AE:32:DA:5C:3 F:98:1A:9E:05:71:4E:C 2:2B:B1:C3:42:1F:E6:9 5:E5:15:7A
38	emSign ECC Class 1 CA - C3	00BD6A0796AB3 F8955521E	8C:D9:9F:A0:21:35 :3E:FC:B4:3A:99:6 C:2E:F2:0A:29:6F: F0:EC:92	FA:D2:E9:86:49:F1:C6: 06:15:0F:55:26:9E:BC:0 3:5A:EA:22:FF:AC:13:1 D:E6:4B:A6:90:0C:75:D 8:44:7B:7E
39	emSign ECC Class 2 CA - C3	00D1142766698B FCDEDA02	56:4C:89:B8:25:C8 :98:EE:BD:F2:7C:6 2:2D:AE:69:39:3A: B6:17:2C	DB:45:91:F8:78:F6:67:2 F:5B:70:73:3A:66:AD:7 C:95:37:B9:7E:6F:0A:F 5:CA:49:AA:B8:EC:B2:C E:02:F8:6B
40	emSign ECC Class 3 CA - C3	3D12A1CF78258 D580854	F1:66:AB:96:8C:A4 :0D:D2:26:62:33:2 F:9A:55:09:5D:D9: E6:48:4A	5A:9A:03:F2:D3:FE:58: 9B:E6:3C:DA:11:82:0A: 9F:25:F0:74:C9:20:34:F 5:1C:04:7D:34:22:6D:2 5:2E:C0:25



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
41	emSign ECC Time stamping CA - C3	00B94B49C6436 D72090201	0B:BF:47:0B:3D:65 :F5:4E:73:4C:1C:A D:1E:4E:67:52:09: 2D:26:BD	71:D2:EE:4D:DA:25:1D: 92:44:F7:CE:7C:6D:47: 8E:C5:52:D4:24:EF:71: 9F:02:B7:10:30:F2:82:1 B:6B:C8:53
42	emSign ECC Device CA - C3	00D9365F15842 A1D0689C3	04:F6:54:AF:2E:B4 :DD:A7:44:1E:CA:F 0:63:9C:24:15:43: 58:2F:CF	3D:45:11:D0:A8:0A:A9: 49:A6:D9:9B:25:3A:17: 34:71:79:7C:44:59:18:7 A:63:29:E7:36:C3:7C:B 5:49:3E:46

Appendix B - Certification Practice Statements in Scope

Certification Practice Statement	Begin Effective Date	End Effective Date
Version 1.01	15 February 2018	4 June 2018
Version 1.02	5 June 2018	25 June 2018
Version 1.03	26 June 2018	-



EMSIGN PKI MANAGEMENT'S ASSERTION

eMudhra Technologies Limited ("emSign PKI") operates the Certification Authority (CA) services known as enumerated in [Appendix A\(i\)](#) for Root and Subordinate CAs in scope for SSL Baseline Requirements and provides SSL CA services.

eMudhra Technologies Limited ("emSign PKI") operates the Certification Authority (CA) services known as enumerated in [Appendix A\(ii\)](#) for Root and Subordinate CAs in scope for Network Security Requirements and provides SSL and non-SSL CA services.

The management of emSign PKI is responsible for establishing and maintaining effective controls over its SSL and non-SSL CA operations, including its network and certificate security system controls, its SSL CA business practices disclosure on its [repository](#), SSL key lifecycle management controls, and SSL 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 emSign PKI's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

emSign PKI management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in emSign PKI management's opinion, in providing its SSL and non-SSL Certification Authority (CA) services at Bangalore, Karnataka, India, throughout the period 20 February 2018 to 19 September 2018, emSign PKI has:

- disclosed its SSL certificate lifecycle management business practices in applicable versions of its Certification Practice Statements as enumerated in [Appendix B](#), including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the emSign PKI website, and provided such services in accordance with its disclosed practices;
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
 - SSL subscriber information is properly authenticated (for the registration activities performed by emSign PKI);
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorised individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorised and performed to maintain CA systems integrity; and

eMudhra Technologies Limited.

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

in accordance with the [WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.3](#).

A handwritten signature in blue ink that reads 'Vijay'.

Vijay Kumar M

Senior Vice President - Head of Technology

8 October 2018



Appendix A(i) - List of SSL Root and Subordinate CAs in Scope

No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
1	emSign Root CA - G1	31F5E4620C6C58ED D6D8	FB:EF:0D:86:9E:B0:E3 :DD:A9:B9:F1:21:17:7 F:3E:FC:F0:77:2B:1A	40:F6:AF:03:46:A9:9A:A1:C D:1D:55:5A:4E:9C:CE:62:C7 :F9:63:46:03:EE:40:66:15:8 3:3D:C8:C8:D0:03:67
2	emSign SSL CA - G1	217AD58B1C713C00 2091	34:D1:F7:39:32:45:40 :4A:99:2B:7D:89:6A:5 7:69:AD:95:AF:E3:37	47:B2:EF:BC:36:70:E7:DB:4 B:41:F2:2C:51:FC:02:EE:84: FB:2D:BF:30:82:A4:9F:2C:2 6:88:12:2E:92:10:A1
3	emSign ECC Root CA - G3	3CF607A968700EDA 8B84	7C:5D:02:84:13:D4:C C:8A:9B:81:CE:17:1C: 2E:29:1E:9C:48:63:42	86:A1:EC:BA:08:9C:4A:8D:3 B:BE:27:34:C6:12:BA:34:1D :81:3E:04:3C:F9:E8:A8:62: CD:5C:57:A3:6B:BE:6B
4	emSign ECC SSL CA - G3	72DDC7E9DCE9B0D CFFC7	13:8D:4C:28:99:E1:62 :B7:D2:E0:53:E3:18:D 1:62:DC:1C:CA:66:FA	6B:51:D1:DC:F4:EB:7A:EE:4 2:41:85:CB:1B:95:80:57:4B: 39:CB:96:38:63:DE:3E:C1:A D:31:DD:B0:76:CE:9F
5	emSign Root CA - C1	00AECF00BAC4CF32 F843B2	FE:A1:E0:70:1E:2A:03 :39:52:5A:42:BE:5C:9 1:85:7A:18:AA:4D:B5	12:56:09:AA:30:1D:A0:A2:4 9:B9:7A:82:39:CB:6A:34:21 :6F:44:DC:AC:9F:39:54:B1: 42:92:F2:E8:C8:60:8F
6	emSign SSL CA - C1	0086766B7F96DF60 C46F8B	FC:C5:15:40:F1:AF:4F :13:B2:98:F2:71:0E:6 3:15:37:D1:94:6B:74	F9:1A:AC:A0:E4:E5:33:74:7 A:08:80:BF:CF:6F:26:72:0D :C1:D0:54:94:C3:93:8D:A6: 80:22:90:D5:A0:9B:32
7	emSign ECC Root CA - C3	7B71B68256B8127C 9CA8	FB:5A:48:D0:80:20:40 :F2:A8:E9:00:07:69:1 9:77:A7:E6:C3:F4:CF	BC:4D:80:9B:15:18:9D:78:D B:3E:1D:8C:F4:F9:72:6A:79 :5D:A1:64:3C:A5:F1:35:8E: 1D:DB:0E:DC:0D:7E:B3
8	emSign ECC SSL CA - C3	5B7D9BB1FD33B9B C1D84	E3:E8:97:1E:BF:C4:3D :3A:B0:DC:F7:1D:9D:3 F:5F:2C:B1:6D:EB:6C	A0:61:D4:45:39:97:14:C3:8 F:C1:01:A6:E9:AF:BD:B3:81 :F1:12:FA:5D:E7:D5:BC:14: 90:45:58:D1:ED:32:76



Appendix A(ii) - List of SSL and Non-SSL Root and Subordinate CAs in Scope

No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
1	emSign Root CA - G1	31F5E4620C6C58ED D6D8	FB:EF:0D:86:9E:B0:E3 :DD:A9:B9:F1:21:17:7 F:3E:FC:F0:77:2B:1A	40:F6:AF:03:46:A9:9A:A1:C D:1D:55:5A:4E:9C:CE:62:C7 :F9:63:46:03:EE:40:66:15:8 3:3D:C8:C8:D0:03:67
2	emSign SSL CA - G1	217AD58B1C713C00 2091	34:D1:F7:39:32:45:40 :4A:99:2B:7D:89:6A:5 7:69:AD:95:AF:E3:37	47:B2:EF:BC:36:70:E7:DB:4 B:41:F2:2C:51:FC:02:EE:84: FB:2D:BF:30:82:A4:9F:2C:2 6:88:12:2E:92:10:A1
3	emSign EV SSL CA - G1	626CB92B237FF82E 3F50	B2:9D:CF:41:A7:E9:C3 :E0:85:56:40:98:4B:F 6:8F:7C:55:29:E7:7E	43:34:EE:B2:CC:11:4F:82:B E:E6:F8:A7:E5:AE:A0:3A:42 :EB:2E:1F:70:CB:D6:61:02: E4:14:D7:2F:00:33:B9
4	emSign Class 1 CA - G1	00D59B7C9B36A2D4 4922EA	DC:60:8F:0A:DE:B1:99 :84:9B:84:40:03:E3:7 5:03:32:03:80:00:90	CF:6D:03:33:D0:BE:2C:69:A 4:2D:45:39:60:DE:E9:E1:09: D9:E8:84:3E:A3:06:1A:16:7 1:D6:EA:F8:5E:B7:D8
5	emSign Class 2 CA - G1	3C5BDA55C0A236A 744CD	E6:DD:0D:B9:9B:D2:1 5:40:CF:23:08:2D:6C: 19:B8:5C:68:32:52:32	63:A8:36:9D:C8:24:A4:2B:C 7:AE:6E:E5:D2:6A:AF:D3:2D :F4:AF:67:7C:A1:8B:94:1B: 7A:57:E3:3B:1E:35:59
6	emSign Class 3 CA - G1	00A08870825A326B ED9611	5C:A5:9C:41:EF:6E:41 :61:46:79:2C:DF:D8:5 5:45:05:D5:A7:1A:86	42:DA:1C:56:2F:80:E4:6D:A 7:A3:21:24:4E:FC:23:D0:FA :A9:FE:BB:B7:AA:03:77:D9: 6B:42:D9:E8:8A:B2:00
7	emSign Device CA - G1	0465835247364A90 4A8E	0B:93:78:E2:E0:35:07 :6D:DF:86:77:8F:8C:5 1:8D:E3:35:7C:A9:77	4C:91:98:B6:73:55:08:58:7 9:9A:D2:74:4C:C0:83:C1:BA :00:27:E7:7D:3B:8F:D6:D5: 6C:F5:36:20:D0:99:E2
8	emSign Root CA - G2	00864DBF0FE35ED7 7D8ED8	ED:EC:4D:45:61:18:28 :E7:B3:23:28:11:1C:4 D:A5:27:0D:5E:EC:F4	1A:A0:C2:70:9E:83:1B:D6:E 3:B5:12:9A:00:BA:41:F7:EE :EF:02:08:72:F1:E6:50:4B:F 0:F6:C3:F2:4F:3A:F3
9	emSign CS CA - G2	00C084E666596139 A1FA9B	15:86:CA:B6:74:96:17 :48:58:34:82:2C:CD:D 2:E1:75:9E:AF:44:B7	C2:E4:D1:76:50:05:D5:CA:3 6:1D:40:0A:43:4B:43:03:6D :BC:93:1E:C6:D7:B9:9C:17: BE:C0:30:CC:74:CA:7D
10	emSign EV CS CA - G2	3CA9F3D18C08E509 59D5	47:95:C9:61:C0:B0:6A :44:10:2F:1A:35:DA:5 8:B0:96:AA:F6:4B:8E	69:E2:44:8C:5F:03:EE:DE:5 E:C2:C9:07:EF:E9:6C:3D:33 :AD:67:9B:49:CD:29:C3:8C: 51:82:32:31:21:BE:FF
11	emSign Time Stamping CA - G2	00BA9E35E51ECFAC 6C4740	C0:0F:C1:F7:CF:9E:26 :FF:8B:71:4A:CB:EC:F 6:09:9F:2E:FA:C4:A1	C3:BE:06:C6:B0:A9:23:34:4 2:31:80:E9:5E:A1:E6:83:AA :B9:C3:B7:D0:F5:CB:8A:4F: 51:FB:C1:00:6F:3D:C0
12	emSign ECC Root CA - G3	3CF607A968700EDA 8B84	7C:5D:02:84:13:D4:C C:8A:9B:81:CE:17:1C: 2E:29:1E:9C:48:63:42	86:A1:EC:BA:08:9C:4A:8D:3 B:BE:27:34:C6:12:BA:34:1D

eMudhra Technologies Limited.

Sai Arcade, 3rd Floor, No.56, Outer Ring Road, Devarabeesanahalli, Bangalore – 560103
 Phone: +91 80 4227 5300 | Fax: +91 80 4227 5306 | Email: corporate@emudhra.com | Web: www.emudhra.com

CIN - U72200KA2012PLC065153



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
				:81:3E:04:3C:F9:E8:A8:62: CD:5C:57:A3:6B:BE:6B
13	emSign ECC SSL CA - G3	72DDC7E9DCE9B0D CFFC7	13:8D:4C:28:99:E1:62 :B7:D2:E0:53:E3:18:D 1:62:DC:1C:CA:66:FA	6B:51:D1:DC:F4:EB:7A:EE:4 2:41:85:CB:1B:95:80:57:4B: 39:CB:96:38:63:DE:3E:C1:A D:31:DD:B0:76:CE:9F
14	emSign ECC EV SSL CA - G3	01FE3E6C68DEBBEC 263E	D1:AA:B4:D2:D2:25:8 2:4E:B3:F0:93:60:17: 4A:9B:63:7A:F9:1F:0D	01:16:F1:7F:97:CD:EF:4A:D E:2E:63:CF:2C:1B:06:4F:D9 :9F:40:4D:2B:91:41:00:BC: 24:1F:07:81:85:33:23
15	emSign ECC CS CA - G3	35CF922FB9008249 F89C	E6:1A:AE:5A:79:8C:D 0:28:4D:37:E0:9E:6B: C5:2D:5D:B4:6C:F8:E B	0D:68:69:A2:B4:F5:DF:77:A 6:AF:B0:34:22:5E:9B:EF:34: 57:43:CF:30:6E:DF:36:EE:3 5:B9:D0:5A:FA:D8:9C
16	emSign ECC EV CS CA - G3	23BA23AB486AE7D5 C0FE	FA:5C:F7:B7:49:4D:5D :6B:F0:32:28:E1:E5:D 5:AD:FA:FA:D5:BC:83	0B:AD:A9:79:B7:14:02:FE:8 6:06:96:03:2C:F4:0E:9D:2A :3F:41:CC:B5:D0:3B:E3:3F: BB:94:A8:0D:7F:FC:7C
17	emSign ECC Class 1 CA - G3	00FB1E21982EB1B5 5C5925	46:BE:80:C3:C8:27:FE :EC:9B:58:2B:1A:62:5 D:B2:D5:D1:02:38:68	AB:A6:A6:5D:CE:89:55:BA:F 0:68:5A:B8:88:09:B7:69:9C :17:44:96:EF:9E:E9:91:53:3 2:51:49:4F:43:CE:10
18	emSign ECC Class 2 CA - G3	23E1BA02DFF3E900 EDDD	E0:16:FE:BD:C4:E1:65 :C6:A5:99:4C:89:5E:7 1:8E:D4:5D:67:F1:FD	4E:9B:73:15:67:17:7E:17:7 6:A9:6D:66:D9:12:0B:3D:EB :28:B8:00:93:7E:A4:66:25:6 5:B3:EF:5E:C8:00:0B
19	emSign ECC Class 3 CA - G3	00B8EB258324DB08 ACC2F5	22:62:4A:BC:7E:6D:A1 :30:B7:2A:C9:95:7E:2 A:23:DE:3D:27:F3:8D	70:66:A0:F4:2F:53:0E:0D:B 5:AF:EE:72:A3:B0:4D:E6:14 :E7:D2:30:5C:67:D1:2C:75: 6B:B2:15:E3:7C:B9:75
20	emSign ECC Time stamping CA - G3	0084A863D6F61818 464D34	F1:DD:23:B0:F4:F1:1D :EB:24:35:64:63:3C:1 0:A9:D9:54:8F:08:3F	C4:22:AB:86:C1:72:9E:88:9 F:BC:AF:5C:D7:3F:21:7E:03 :C2:9F:E2:AC:50:21:2F:45: 13:07:D9:15:86:9F:47
21	emSign ECC Device CA - G3	00876282A8FD758C 391EC3	A5:AC:F9:1F:5A:25:8E :10:B0:29:DA:19:00:2 6:86:E8:A1:E6:E8:D9	70:B9:BA:59:54:12:CF:86:1 4:B7:67:47:FD:68:3C:CA:27 :59:F4:26:42:16:48:34:FB:E F:DD:88:50:5C:4F:1C
22	emSign Root CA - C1	00AECF00BAC4CF32 F843B2	FE:A1:E0:70:1E:2A:03 :39:52:5A:42:BE:5C:9 1:85:7A:18:AA:4D:B5	12:56:09:AA:30:1D:A0:A2:4 9:B9:7A:82:39:CB:6A:34:21 :6F:44:DC:AC:9F:39:54:B1: 42:92:F2:E8:C8:60:8F
23	emSign SSL CA - C1	0086766B7F96DF60 C46F8B	FC:C5:15:40:F1:AF:4F :13:B2:98:F2:71:0E:6 3:15:37:D1:94:6B:74	F9:1A:AC:A0:E4:E5:33:74:7 A:08:80:BF:CF:6F:26:72:0D :C1:D0:54:94:C3:93:8D:A6: 80:22:90:D5:A0:9B:32
24	emSign EV SSL CA - C1	00BADFD29B3F1E67 8C6960	C9:71:16:45:43:3B:16 :5E:5F:46:FD:EE:35:4 D:44:7B:7D:AE:75:07	F6:F1:59:28:6A:14:01:DE:5 3:97:E2:1A:00:90:53:4A:85:

eMudhra Technologies Limited.

Sai Arcade, 3rd Floor, No.56, Outer Ring Road, Devarabeesanahalli, Bangalore – 560103
 Phone: +91 80 4227 5300 | Fax: +91 80 4227 5306 | Email: corporate@emudhra.com | Web: www.emudhra.com

CIN - U72200KA2012PLC065153



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
				F5:E7:B9:F9:8F:D4:A5:A4:7 B:1D:FF:D4:BF:DE:D4
25	emSign Class 1 CA - C1	7E065336C075C799 8B63	3B:0E:EF:29:3B:11:48 :29:2C:01:15:D1:8E:7 B:79:69:05:7B:C9:52	0E:F7:B8:63:FA:AB:C3:84:A 6:94:FF:63:2D:AA:F9:BD:31 :CE:D2:3E:92:46:55:9A:59: EC:D7:47:27:54:CC:E6
26	emSign Class 2 CA - C1	1A5C82DEDCBC6A1 53030	26:68:C0:F3:FC:40:1C :F7:CA:12:4B:4F:92:C 3:8B:14:94:48:3B:FD	05:B3:0B:3F:C4:4F:85:75:3 3:4B:D8:12:EF:9F:A8:A5:2A :75:74:3E:19:BC:35:A5:BE: 39:12:EC:A6:2C:46:69
27	emSign Class 3 CA - C1	00B474F64D863921 89496E	7B:9E:A6:C5:27:7E:64 :97:AB:84:01:3A:EA:2 6:96:6B:92:4E:87:E1	69:B0:DD:09:B9:8F:36:A9:C C:7B:D7:FF:E8:A0:0D:CD:31 :9A:5F:C9:47:C9:C8:AF:72: C9:28:94:D8:E8:10:92
28	emSign Device CA - C1	00B19BE3081E2D97 B5BFCB	92:C5:7C:AD:63:20:E5 :4C:23:CF:69:11:CF:A 7:87:FB:81:F4:91:F8	D0:34:B1:87:51:BE:E1:0A:A A:F9:4C:2F:14:35:0D:3F:65 :4E:5B:93:4D:0D:DA:59:2B: 31:E5:81:87:A4:89:52
29	emSign Root CA - C2	2F0AB76B0DCB4AA F2758	B3:F7:8A:A4:D6:0F:88 :00:59:E8:51:17:4F:D 5:7E:EC:86:22:81:9D	46:CD:08:3B:47:E8:04:02:0 2:8D:F4:93:96:0E:A1:9C:85 :FE:85:19:50:D5:16:5F:1C:7 D:A4:FA:A9:51:E2:F8
30	emSign CS CA - C2	00B4E6BA3BE4B674 A36434	9A:42:64:A2:E0:62:94 :95:C8:12:C3:0F:D5:7 E:46:7C:41:2A:B2:2A	B0:E6:BB:9D:6E:7A:94:BC:4 A:6B:89:D9:67:43:43:8D:2C :56:5D:BB:0A:69:7A:BB:21: 45:7A:CA:22:A1:3C:E4
31	emSign EV CS CA - C2	00AE0882F16DBA80 375653	5B:9F:D5:1A:1D:04:3E :61:B6:65:17:B8:B0:E 9:F5:85:F5:48:2D:17	02:49:98:10:12:10:64:4F:68 :FA:E9:11:55:43:A5:E6:D2: 6A:6D:B0:D2:C1:03:66:FF:2 D:5B:B5:05:D8:87:2D
32	emSign Time Stamping CA - C2	63720D6AB070BF2A 157D	C1:41:93:9D:9D:EF:34 :CC:72:FD:D8:40:A6:1 E:D6:B7:2A:43:AA:E9	57:1F:C7:06:54:AB:8C:1A:A 3:B4:A2:61:A3:D5:05:FA:E1 :0B:C4:55:8F:A1:7C:72:84: 9B:6B:98:BC:84:5C:AE
33	emSign ECC Root CA - C3	7B71B68256B8127C 9CA8	FB:5A:48:D0:80:20:40 :F2:A8:E9:00:07:69:1 9:77:A7:E6:C3:F4:CF	BC:4D:80:9B:15:18:9D:78:D B:3E:1D:8C:F4:F9:72:6A:79 :5D:A1:64:3C:A5:F1:35:8E: 1D:DB:0E:DC:0D:7E:B3
34	emSign ECC SSL CA - C3	5B7D9BB1FD33B9B C1D84	E3:E8:97:1E:BF:C4:3D :3A:B0:DC:F7:1D:9D:3 F:5F:2C:B1:6D:EB:6C	A0:61:D4:45:39:97:14:C3:8 F:C1:01:A6:E9:AF:BD:B3:81 :F1:12:FA:5D:E7:D5:BC:14: 90:45:58:D1:ED:32:76
35	emSign ECC EV SSL CA - C3	1B50581F7334B30B 2723	48:B7:68:E8:3C:B2:E6 :B1:12:44:4C:C4:D7:D 3:9A:0B:6F:E9:5A:C6	C0:A5:78:F2:10:9E:6F:42:D 3:D9:39:94:8D:EE:AB:72:9B :20:F7:B2:3B:42:37:AB:D8: 49:4D:F5:54:CF:98:5C
36	emSign ECC CS CA - C3	00B8973C4278609F 2AF2A4	74:BF:90:17:0E:A3:70 :6E:3C:53:C9:CC:01:5 1:2E:5B:A7:80:80:BB	A3:AF:D7:23:75:C1:D7:A8:3 3:0E:62:D5:77:E1:35:81:B7:

eMudhra Technologies Limited.

Sai Arcade, 3rd Floor, No.56, Outer Ring Road, Devarabeesanahalli, Bangalore – 560103

Phone: +91 80 4227 5300 | Fax: +91 80 4227 5306 | Email: corporate@emudhra.com | Web: www.emudhra.com

CIN - U72200KA2012PLC065153



No	Common Name	Certificate Serial No	Subject Key Identifier	SHA-256 Fingerprint
				23:32:C8:06:2D:FA:9C:F3:9E:51:AE:65:08:85:82
37	emSign ECC EV CS CA - C3	6004C5E20B62FDD48C46	A7:6A:A4:7D:5D:0E:18:02:D1:3E:EE:04:D6:DF:21:C7:3A:23:61:9C	CB:21:09:79:92:40:20:97:03:37:AE:32:DA:5C:3F:98:1A:9E:05:71:4E:C2:2B:B1:C3:42:1F:E6:95:E5:15:7A
38	emSign ECC Class 1 CA - C3	00BD6A0796AB3F8955521E	8C:D9:9F:A0:21:35:3E:FC:B4:3A:99:6C:2E:F2:0A:29:6F:F0:EC:92	FA:D2:E9:86:49:F1:C6:06:15:0F:55:26:9E:BC:03:5A:EA:22:FF:AC:13:1D:E6:4B:A6:90:0C:75:D8:44:7B:7E
39	emSign ECC Class 2 CA - C3	00D1142766698BFCDEDA02	56:4C:89:B8:25:C8:98:EE:BD:F2:7C:62:2D:A E:69:39:3A:B6:17:2C	DB:45:91:F8:78:F6:67:2F:5B:70:73:3A:66:AD:7C:95:37:B9:7E:6F:0A:F5:CA:49:AA:B8:EC:B2:CE:02:F8:6B
40	emSign ECC Class 3 CA - C3	3D12A1CF78258D580854	F1:66:AB:96:8C:A4:0D:D2:26:62:33:2F:9A:55:09:5D:D9:E6:48:4A	5A:9A:03:F2:D3:FE:58:9B:E6:3C:DA:11:82:0A:9F:25:F0:74:C9:20:34:F5:1C:04:7D:34:22:6D:25:2E:C0:25
41	emSign ECC Time stamping CA - C3	00B94B49C6436D72090201	0B:BF:47:0B:3D:65:F5:4E:73:4C:1C:AD:1E:4E:67:52:09:2D:26:BD	71:D2:EE:4D:DA:25:1D:92:44:F7:CE:7C:6D:47:8E:C5:52:D4:24:EF:71:9F:02:B7:10:30:F2:82:1B:6B:C8:53
42	emSign ECC Device CA - C3	00D9365F15842A1D0689C3	04:F6:54:AF:2E:B4:DD:A7:44:1E:CA:F0:63:9C:24:15:43:58:2F:CF	3D:45:11:D0:A8:0A:A9:49:A6:D9:9B:25:3A:17:34:71:79:7C:44:59:18:7A:63:29:E7:36:C3:7C:B5:49:3E:46

Appendix B - Certification Practice Statements in Scope

Certification Practice Statement	Begin Effective Date	End Effective Date
Version 1.01	15 February 2018	4 June 2018
Version 1.02	5 June 2018	25 June 2018
Version 1.03	26 June 2018	-

eMudhra Technologies Limited.

Sai Arcade, 3rd Floor, No.56, Outer Ring Road, Devarabeesanahalli, Bangalore – 560103
 Phone: +91 80 4227 5300 | Fax: +91 80 4227 5306 | Email: corporate@emudhra.com | Web: www.emudhra.com

CIN - U72200KA2012PLC065153