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## **To the management of Telia Company AB**

Amstelveen, 27 June 2022

**Subject:** Independent Auditor's Report WebTrust for CAs

We have been engaged, in a reasonable assurance engagement, to report on Telia Company AB's (Telia) management's assertion that for its Certification Authority (CA) operations in Finland and Sweden, throughout the period 1 April 2021 through 31 March 2022 for its CA as enumerated in Attachment A, Telia has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
  - [Certificate Policy and Certification Practice Statement for Telia Client Certificates, version 3.2](#), dated October 2021
  - [Certificate Policy and Certification Practice Statement for Telia Server Certificates, version 4.4](#), dated October 2021
- maintained effective controls to provide reasonable assurance that Telia provides its services in accordance with its Certification Practice Statement;
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
  - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
  - subscriber information is properly authenticated (for the registration activities performed by Telia); and
  - subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity.

in accordance with the [WebTrust Services Principles and Criteria for Certification Authorities, version 2.2.1 – November 2020](#).



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

Telia does not escrow its CA keys, does not provide Integrated Circuit Card (ICC) lifecycle management, and does not provide certificate suspension services. Accordingly, our procedures did not extend to controls that would address those criteria.

### **Certification Authority's responsibilities**

Telia's management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.1.

### **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 Telia 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.

We apply the 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.

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### **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 International Standard on Assurance Engagements (ISAE) 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 'Attestation engagements', as issued by NOREA.



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

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

### **Relative effectiveness of controls**

The relative effectiveness and significance of specific controls at Telia 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, Telia's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorized 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 1 April 2021 through 31 March 2022, Telia management's assertion, as referred to above, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.1.

This report does not include any representation as to the quality of Telia's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities v2.2.1, nor the suitability of any of Telia's services for any customer's intended purpose.



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

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

On behalf of KPMG Advisory N.V.  
Amstelveen, 27 June 2022

*Original signed by*

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



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### Attachment A: List of CAs in scope

The following CAs were in scope of the WebTrust for CAs Audit:

CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
1	1	CN = TeliaSonera Root CA v1 O = TeliaSonera	Self-signed	0095BE16A0F7 2E46F17B3982 72FA8BCD96	RSA	4096 bits	sha1RSA	18 October 2007	18 October 2032	F08F593800B3F58 F9A960CD5EBFA7 BAA17E81312	DD6936FE21F8F077C123A1A 521C12224F72255B73E03A72 60693E8A24B0FA389	
1	2	CN = TeliaSonera Root CA v1 O = TeliaSonera	Sonera Class2 CA	87ED2E1A282 64AC519AA3A EBB90DA2CB	RSA	4096 bits	sha256RSA	5 December 2014	5 April 2021	F08F593800B3F58 F9A960CD5EBFA7 BAA17E81312	E9563581E712B290F23A7493 46535EB0D981E3D4A39D56D 604684CD0B1698C89	Cross-certificate, Expired 5 April 2021
2	1	CN = Sonera Class2 CA O = Sonera C = FI	Self-signed	1D	RSA	2048 bits	sha1RSA	16 April 2001	16 April 2021	4AA0AA5884D35E 3C	7908B40314C138100B518D07 35807FFBFCF8518A00953371 05BA386B153DD927	Expired 16 April 2021
3	1	CN = Telia Root CA v2 O = Telia Finland Oyj C = FI	Self-signed	01675F27D6FE 7AE3E4ACBE0 95B059E	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	72ACE43379AA45 87F6FDAC1D9ED6 C72F86D82439	242B69742FCB1E5B2ABF988 98B94572187544E5B4D99117 86573621F6A74B82C	
3	2	CN = Telia Root CA v2 O = Telia Finland Oyj C = FI	TeliaSonera Root CA v1	01675F82BE00 17DE8955A937 6EB1F9	RSA	4096 bits	sha256RSA	29 November 2018	18 October 2032	72ACE43379AA45 87F6FDAC1D9ED6 C72F86D82439	EF6F29F636F62BDD4753122F 41F3419EE7C2877587BE4A98 07ADF58946458E7F	Cross-certificate
4	1	CN = TeliaSonera Server CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	4C462AF6DBF BF7804F84C17 CFEA972B6	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	2F493C294FD7072 5F9C68CD564F56 63D12832295	D721110388CA6F20BBA9FD1 A8DBA4EFB8C16392A3DEBA D97C553EEAF0ACACAAC	
5	1	CN = TeliaSonera Gateway CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	00863C756411 95854FB43138 A0A0CF8AA3	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	87AAE313129F118 BCA68CD1E2DC4 29A8FA101ACB	46226B7B89E02CA8F5D85D6 7ED8CB4B19C48382058BB16 242199D540CABE9268	Revoked (Cessation Of Operation) 28 April 2021



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CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
6	1	CN = Telia Domain Validation CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	01675FFDE7E41811E2CD76B0CDB50A	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	5BF1EE298D31B23B3AE017CBA407E93F82421FA3	A7E83056E9B3D9DDB1816B95518F6A5E5A1DFDFA28F60533B1C850855EAA4263	
7	1	CN = Telia Domain Validation CA v2 O = Telia Finland Oyj C = FI	TeliaSonera Root CA v1	016584E34A38D9E963EBEED2174784	RSA	4096 bits	sha256RSA	29 August 2018	18 October 2032	ED3D749C2C53BB71937B4B11F6B891E282F992DB	5B312B7E11B70D07C14E0AB99F08D00748966098C52AA85A06A0822BBE59A02C	
8	1	CN = Telia Server CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	01675FE78F10F349257F16B3731F7A	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	46668D0E072316B0EA4F05EB965ADEA5EEC97EA4	1281AD8FABE883F209E9636448D1A80C373DAA7686C813A270FAD48F5F5E589A	
9	1	CN = TeliaSonera Class 1 CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	00FD41DD7FD19F3EE9F85D9E437133D4DB	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	D147228FCBA85D1AFE2641466ECB824B657D8AE4	B95AE54F838E3ABF0B57ACC1B1266DC68C7A3FA774015FA128D60CDD1AAE280	
10	1	CN = TeliaSonera Class 2 CA v2 O = TeliaSonera C = SE	TeliaSonera Root CA v1	637C0BD785A5BF29DA602D7C4D7A70B1	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	9E19FFE50D3AFE0097153F69F1DC5A3CAA0C9483	092829433D231949F4A9BC666CBF54B3AA27D7BEBCA048D75E59093E15A72EA5	
11	1	CN = TeliaSonera Email CA v4 O = TeliaSonera C = SE	TeliaSonera Root CA v1	52EBA0D8B74B46EB8557CD6DA2A3DDDD	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	89862A82D178FAF0A629543587956FD3776019F0	D1F2656AC8382739A3B087C47AB5CAB945A32F162B6149C308783C7E06AF8AE8	
12	1	CN = Ericsson NL Individual CA v3 O = Ericsson C = SE	TeliaSonera Root CA v1	53B87E83E19C992893B09B491CECB8EB	RSA	4096 bits	sha256RSA	27 October 2015	27 October 2025	1C7B199E979C76AC203DD8DCE3916AE3DB2DA653	63ED95B17FFDCB7AE30FEAC6A874653099264E21B268D836D957966F0B04BE43	



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CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
13	1	CN = Telia Document Signing CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	016D1A4D94951BA3294A0C26D06250	RSA	4096 bits	sha256RSA	10 September 2019	29 November 2043	3617108E9E869F267FD57542FAD37BC29059DE54	6924A4DD82948DA53F6FB933E895A0F6581C8DBDEBABB36FC11CAC25E9C0335A	
14	1	CN = Telia Class 3 CA v1 O = Telia Company AB C = SE	Telia Root CA v2	0175bbb1dd52f06c82a8585fb18d24	RSA	4096 bits	sha256RSA	12 November 2020	25 November 2043	19be618a5f34bfff9187b75fded52563090b50c4	E7340DC9475E87C4E5A4572C82604C5EFF9BF60B231C5486943173B26A4CAFCC	
15		CN = Telia Class 1 CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	017983CF18222C81AEC7429A0897A2	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	4FE9D531F5D530E85987480DA6146744A959DCD4	2E459B4B2F4C24D3BCF6D357E21DC74286C889104888267E2BACA75C78D1A615	
16		CN = Telia Class 2 CA v3 O = Telia Company AB C = SE	Telia Root CA v2	017983DE6DEEA11B973B5A468FFE58	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	D3A4B5F83E59CD8C11E01A34763493DD7E9D4DF9	E5F6844EABECA374B597295671CD12C37D7CDBBFE75529C4D61E5BA2BD32BB11	
17		CN = Telia Email CA v5 O = Telia Company AB C = SE	Telia Root CA v2	017983B68835921B18B1C91E6403B3	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	37E6AF0CB0E001975B18BF8644B81CD1E3E16594	8BB1BA521951077143A02CDB409D200B954F4684E59C67682A14852EF7B3EB44	



## TELIA'S MANAGEMENT'S ASSERTION

Telia Company AB (Telia) operates the Certificate Authority (CA) services as listed in Appendix A, and provides the following services:

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

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

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

The management of Telia management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in Telia management's opinion, in providing its Certification Authority (CA) services in Finland and Sweden, throughout the period 1 April 2021 to 31 March 2022 Telia has:

- Disclosed its Business, Key Life Cycle Management, Certificate Life Cycle Management, and CA Environmental Control practices in its:
  - Certificate Policy and Certification Practice Statement for Telia Client Certificates, version 3.2, dated October 2021
  - Certificate Policy and Certification Practice Statement for Telia Server Certificates, version 4.4, dated October 2021
- Maintained effective controls to provide reasonable assurance that:
  - Telia provides its services in accordance with its Certificate Practice Statements
- Maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages is established and protected throughout their life cycles;
  - the integrity of subscriber keys and certificates it manages is established and protected throughout their life cycles;





- the Subscriber information is properly authenticated (for the registration activities performed by Telia; and
- subordinate CA certificate requests are accurate, authenticated, and approved
- Maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.2.1, including the following:

#### **CA Business Practices Disclosure**

- Certification Practice Statement (CPS)

#### **CA Business Practices Management**

- Certification Practice Statement Management

#### **CA Environmental Controls**

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

#### **CA Key Lifecycle Management Controls**

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

#### **Subscriber Key Lifecycle Management Controls**

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



### **Certificate Lifecycle Management Controls**

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

### **Subordinate CA Certificate Lifecycle Management Controls**

- Subordinate CA Certificate Lifecycle Management

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

Helsinki, 27 June 2022

Telia Company AB

*Original signed by*

Tomi Hautala

Head of Trust Services



## Appendix A: List of CAs in scope

The following CAs were in scope of the engagement:

CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
1	1	CN = TeliaSonera Root CA v1 O = TeliaSonera	Self-signed	0095BE16A0F7 2E46F17B3982 72FA8BCD96	RSA	4096 bits	sha1RSA	18 October 2007	18 October 2032	F08F593800B3F58 F9A960CD5EBFA7 BAA17E81312	DD6936FE21F8F077C 123A1A521C12224F72 255B73E03A7260693E 8A24B0FA389	
1	2	CN = TeliaSonera Root CA v1 O = TeliaSonera	Sonera Class2 CA	87ED2E1A282 64AC519AA3A EBB90DA2CB	RSA	4096 bits	sha256RSA	5 December 2014	5 April 2021	F08F593800B3F58 F9A960CD5EBFA7 BAA17E81312	E9563581E712B290F2 3A749346535EB0D981 E3D4A39D56D604684 CD0B1698C89	Cross-certificate, Expired 5 April 2021
2	1	CN = Sonera Class2 CA O = Sonera C = FI	Self-signed	1D	RSA	2048 bits	sha1RSA	16 April 2001	16 April 2021	4AA0AA5884D35E 3C	7908B40314C138100B 518D0735807FFBFCF 8518A0095337105BA3 86B153DD927	Expired 16 April 2021
3	1	CN = Telia Root CA v2 O = Telia Finland Oyj C = FI	Self-signed	01675F27D6FE 7AE3E4ACBE0 95B059E	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	72ACE43379AA45 87F6FDAC1D9ED6 C72F86D82439	242B69742FCB1E5B2 ABF98898B945721875 44E5B4D99117865736 21F6A74B82C	
3	2	CN = Telia Root CA v2 O = Telia Finland Oyj C = FI	TeliaSonera Root CA v1	01675F82BE00 17DE8955A937 6EB1F9	RSA	4096 bits	sha256RSA	29 November 2018	18 October 2032	72ACE43379AA45 87F6FDAC1D9ED6 C72F86D82439	EF6F29F636F62BDD4 753122F41F3419EE7C 2877587BE4A9807AD F58946458E7F	Cross-certificate
4	1	CN = TeliaSonera Server CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	4C462AF6DBF BF7804F84C17 CFEA972B6	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	2F493C294FD7072 5F9C68CD564F56 63D12832295	D721110388CA6F20B BA9FD1A8DBA4EFB8 C16392A3DEBAD97C5 53EEAF0ACACAAC	
5	1	CN = TeliaSonera Gateway CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	00863C756411 95854FB43138 A0A0CF8AA3	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	87AAE313129F118 BCA68CD1E2DC4 29A8FA101ACB	46226B7B89E02CA8F 5D85D67ED8CB4B19C 48382058BB16242199 D540CABE9268	Revoked (Cessation Of Operation) 28 April 2021



CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
6	1	CN = Telia Domain Validation CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	01675FFDE7E41811E2CD76B0CDB50A	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	5BF1EE298D31B23B3AE017CBA407E93F82421FA3	A7E83056E9B3D9DDB1816B95518F6A5E5A1DFDFA28F60533B1C850855EAA4263	
7	1	CN = Telia Domain Validation CA v2 O = Telia Finland Oyj C = FI	TeliaSonera Root CA v1	016584E34A38D9E963EBEED2174784	RSA	4096 bits	sha256RSA	29 August 2018	18 October 2032	ED3D749C2C53BB71937B4B11F6B891E282F992DB	5B312B7E11B70D07C14E0AB99F08D00748966098C52AA85A06A0822BBE59A02C	
8	1	CN = Telia Server CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	01675FE78F10F349257F16B3731F7A	RSA	4096 bits	sha256RSA	29 November 2018	29 November 2043	46668D0E072316B0EA4F05EB965ADEA5EEC97EA4	1281AD8FABE883F209E9636448D1A80C373DAA7686C813A270FAD48F5F5E589A	
9	1	CN = TeliaSonera Class 1 CA v2 O = TeliaSonera C = FI	TeliaSonera Root CA v1	00FD41DD7FD19F3EE9F85D9E437133D4DB	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	D147228FCBA85D1AFE2641466ECB824B657D8AE4	B95AE54F838E3ABF0B57ACCC1B1266DC68C7A3FA774015FA128D60CDD1AAE280	
10	1	CN = TeliaSonera Class 2 CA v2 O = TeliaSonera C = SE	TeliaSonera Root CA v1	637C0BD785A5BF29DA602D7C4D7A70B1	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	9E19FFE50D3AFE0097153F69F1DC5A3CAA0C9483	092829433D231949F4A9BC666CBF54B3AA27D7BEBCA048D75E59093E15A72EA5	
11	1	CN = TeliaSonera Email CA v4 O = TeliaSonera C = SE	TeliaSonera Root CA v1	52EBA0D8B74B46EB8557CD6DA2A3DDDD	RSA	4096 bits	sha256RSA	16 October 2014	16 October 2032	89862A82D178FAF0A629543587956FD3776019F0	D1F2656AC8382739A3B087C47AB5CAB945A32F162B6149C308783C7E06AF8AE8	
12	1	CN = Ericsson NL Individual CA v3 O =	TeliaSonera Root CA v1	53B87E83E19C992893B09B491CECB8EB	RSA	4096 bits	sha256RSA	27 October 2015	27 October 2025	1C7B199E979C76AC203DD8DCE3916AE3DB2DA653	63ED95B17FFDCB7AE30FEAC6A874653099264E21B268D836D957966F0B04BE43	



CA #	Cert #	Subject	Issuer	Serial	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	SKI	SHA2 Fingerprint	Other information
		Ericsson C = SE										
13	1	CN = Telia Document Signing CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	016D1A4D94951BA3294A0C26D06250	RSA	4096 bits	sha256RSA	10 September 2019	29 November 2043	3617108E9E869F267FD57542FAD37BC29059DE54	6924A4DD82948DA53F6FB933E895A0F6581C8DBDEBABB36FC11CAC25E9C0335A	
14	1	CN = Telia Class 3 CA v1 O = Telia Company AB C = SE	Telia Root CA v2	0175bbb1dd52f06c82a8585fb18d24	RSA	4096 bits	sha256RSA	12 November 2020	25 November 2043	19be618a5f34bfff9187b75fded52563090b50c4	E7340DC9475E87C4E5A4572C82604C5EFF9BF60B231C5486943173B26A4CAFCC	
15	1	CN = Telia Class 1 CA v3 O = Telia Finland Oyj C = FI	Telia Root CA v2	017983CF18222C81AEC7429A0897A2	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	4FE9D531F5D530E85987480DA6146744A959DCD4	2E459B4B2F4C24D3BCF6D357E21DC74286C889104888267E2BACA75C78D1A615	
16	1	CN = Telia Class 2 CA v3 O = Telia Company AB C = SE	Telia Root CA v2	017983DE6DEEA11B973B5A468FFE58	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	D3A4B5F83E59CD8C11E01A34763493DD7E9D4DF9	E5F6844EABECA374B597295671CD12C37D7CDBBFE75529C4D61E5BA2BD32BB11	
17	1	CN = Telia Email CA v5 O = Telia Company AB C = SE	Telia Root CA v2	017983B68835921B18B1C91E6403B3	RSA	4096 bits	sha256RSA	19 May 2021	28 November 2043	37E6AF0CB0E001975B18BF8644B81CD1E3E16594	8BB1BA521951077143A02CDB409D200B954F4684E59C67682A14852EF7B3EB44	