

Audit Attestation

Digi- ja väestötietovirasto (DVV) ETSI Assessment 2023

Date: 12.07.2023, v7

Provider: Digi- ja väestötietovirasto (DVV)
Service(s): DVV Qualified Trust Services


Registration Number: DSC.1249

Conformity datenschutz cert GmbH
Assessment Body Konsul-Smidt-Straße 88a
28217 Bremen, Germany
Contact: office@datenschutz-cert.de

Accreditation

Information: <https://www.dakks.de/de/akkreditierte-stelle.html?id=D-ZE-16077-01-00>

Bremen, 12.07.2023, v7



Dr. Sönke Maserberg
Lead Auditor



Klaus-Werner Schröder
Reviewer

Conformity Assessment Body

- 1 Conformity Assessment Body:
 - datenschutz cert GmbH
 - Konsul-Smidt-Str. 88a
 - D-28217 Bremen
 - Germany
 - VAT No.: DE 260 557 462
 - Internet: www.datenschutz-cert.de
- 2 The Certificate of Accreditation is available at
- 3 <https://www.dakks.de/de/akkreditierte-stelle.html?id=D-ZE-16077-01-00>
- 4 Head of Conformity Assessment Body: Klaus-Werner Schröder

National Accreditation Body

- 5 National Accreditation Body:
 - Deutsche Akkreditierungsstelle GmbH
 - Spittelmarkt 10
 - D-10117 Berlin
 - Germany
 - Internet: www.dakks.de

Trust Service Provider Assessed

- 6 Organisation assessed:
 - Digi- ja väestötietovirasto (DVV)
 - Lintulahdenkuja 2
 - 00530 Helsinki

Audit Details

- 7 Requirements: Regulation (EU) No 910/2014, ETSI EN 319 401, ETSI EN 319 411-1, -2
- 8 Kind of audit: stage 1 audit, stage 2 audit
- 9 Goal of audit: assessment of conformity
- 10 The full audit (stages 1 and 2) is based on
 - documentation provided by the organization assessed,
 - interviews with employees and management,
 - on-site audit.

Summary

- 11 The audit was performed as a full annual audit of the trust service provider's services. The premises of the trust service provider in 00530 Helsinki have been audited on-site. The on-site audit (stage 2) was conducted after successful completion of stage 1 audit. It took place from 01.06.2022 to 13.07.2022 and covered the period from 13.07.2022 to 12.07.2023.
- 12 The audit was performed according to the European Standards ETSI EN 319 401 V2.4.1 (2021-11), ETSI EN 319 411-1 V1.3.1 (2021-05), and ETSI EN 319 411-2 V2.3.1 (2021-05).
- 13 The trust services audited are described in the following policy and practice documents of the trust service provider:
 - [1] Digi- ja väestötietovirasto., Certificate Policy for Population Register Centre's citizen certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.202)
 - [2] Digi- ja väestötietovirasto., Certificate Policy for Population Register Centre's citizen certificate, v1.1, 01.01.2017 (OID: 1.2.246.517.1.10.22)
 - [3] Digi- ja väestötietovirasto., Certificate Policy for Digital and Population Data Services Agency's citizen certificate, v1.3, 13.03.2023 (OID: 1.2.246.517.1.10.302, 1.2.246.517.1.10.352)
 - [4] Digi- ja väestötietovirasto., Varmennepoliitikka (CP) for Population Register Centre's organisation certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.203)
 - [5] Digi- ja väestötietovirasto., Varmennepoliitikka (CP) for Population Register Centre's organisation certificate, v1.2, 14.09.2017 (OID: 1.2.246.517.1.10.23)
 - [6] Digi- ja väestötietovirasto., Certificate Policy for Digital and Population Data Services Agency's organisation certificate, v1.2, 29.09.2022 (OID: 1.2.246.517.1.10.353)
 - [7] Digi- ja väestötietovirasto., Certificate Policy for the Population Register Centre's server certificates, v1.3, 14.06.2021 (OID: 1.2.246.517.1.10.34)
 - [8] Digi- ja väestötietovirasto., Certificate Policy for the Population Register Centre's service certificates, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.205)
 - [9] Digi- ja väestötietovirasto., Certificate Policy for Digital and Population Data Services Agency's service certificates, v1.2, 29.09.2022 (OID: 1.2.246.517.1.10.305, 1.2.246.517.1.10.355)
 - [10] Digi- ja väestötietovirasto., Certificate Policy for Temporary Certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.204)
 - [11] Digi- ja väestötietovirasto., Certificate Policy for Temporary Certificate, v1.2, 07.10.2022 (OID: 1.2.246.517.1.10.304, 1.2.246.517.1.10.354)
 - [12] Digi- ja väestötietovirasto., Certificate Policy for social welfare and health care professionals' certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.206)

- [13] Digi- ja väestötietovirasto., Certificate Policy for social welfare and health care professionals' certificate, v1.1, 01.01.2017 (OID: 1.2.246.517.1.10.7)
- [14] Digi- ja väestötietovirasto., Certificate Policy for social welfare and health care professionals' certificate, v1.2, 30.09.2022 (OID: 1.2.246.517.1.10.306, 1.2.246.517.1.10.356)
- [15] Digi- ja väestötietovirasto., Certificate policy For Population Register Centre's Service Certificate for the Social Welfare and Healthcare Sector, v1.4, 14.06.2021 (OID: 1.2.246.517.1.10.10)
- [16] Digi- ja väestötietovirasto., Certificate Policy for Population Register Centre's service certificate for the social welfare and healthcare sector, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.208)
- [17] Digi- ja väestötietovirasto., Certificate Policy for Digital and Population Data Services Agency's service certificate for the social welfare and healthcare sector, v1.2, 30.09.2022 (OID: 1.2.246.517.1.10.308, 1.2.246.517.1.10.358)
- [18] Digi- ja väestötietovirasto., Certificate Policy for the temporary certificate of social welfare and healthcare professionals, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.207)
- [19] Digi- ja väestötietovirasto, Certificate Policy for the temporary certificate of social welfare and healthcare professionals, v1.2, 03.10.2022 (OID: 1.2.246.517.1.10.307, 1.2.246.517.1.10.357)
- [20] Digi- ja väestötietovirasto., Certification Practice Statement for Population Register Centre's citizen certificate stored on an ID card, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.202.1)
- [21] Digi- ja väestötietovirasto., Certification Practice Statement for Population Register Centre's citizen certificate stored on an ID card, v. 1.2, 14.09.2017 (OID: 1.2.246.517.1.10.22.1)
- [22] Digi- ja väestötietovirasto., Certification Practice Statement for Digital and Population Data Services Agency's citizen certificate stored on an ID card, v. 1.2, 13.03.2023 (OID: 1.2.246.517.1.10.302.1, 1.2.246.517.1.10.352.1)
- [23] Digi- ja väestötietovirasto., Certification Practice Statement for organisation certificates, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.203.1)
- [24] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for organisation certificates, certificate distribution under agreement, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.203.2)
- [25] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for non-regulated healthcare worker's certificate, v1.0, 03.05.2018 (OID 1.2.246.517.1.10.203.3)
- [26] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for service provider person's certificate, v1.0, 03.05.2018 (OID 1.2.246.517.1.10.203.4)
- [27] Digi- ja väestötietovirasto., Certification Practice Statement for organisation certificates, v1.2, 14.09.2017 (OID: 1.2.246.517.1.10.23.1)

- [28] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for organisation certificates, certificate distribution under agreement, v1.2, 14.09.2017 (OID: 1.2.246.517.1.10.23.2)
- [29] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for non-regulated healthcare worker's certificate, v1.1, 01.01.2017 (OID 1.2.246.517.1.10.23.3)
- [30] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for service provider person's certificate, v1.1, 01.01.2017 (OID 1.2.246.517.1.10.23.4)
- [31] Digi- ja väestötietovirasto., Certification Practice Statement for Digital and Population Data Services Agency's organisation certificates, v1.1, 29.09.2022 (OID: 1.2.246.517.1.10.303.1, 1.2.246.517.1.10.353.1)
- [32] Digi- ja väestötietovirasto., Certification Practice Statement for Digital and Population Data Services Agency's organisation certificates, certificate distribution under agreement, v1.0, 01.06.2021 (OID: 1.2.246.517.1.10.303.2, 1.2.246.517.1.10.353.2)
- [33] Digi- ja väestötietovirasto., Certification Practice Statement for Digital and Population Data Services Agency's non-regulated healthcare worker's certificate, v1.1, 29.09.2022 (OID 1.2.246.517.1.10.303.3, 1.2.246.517.1.10.353.3)
- [34] Digi- ja väestötietovirasto., Certification Practice Statement for Digital and Population Data Services Agency's service provider person's certificate, v1.0, 01.06.2021 (OID 1.2.246.517.1.10.303.4, 1.2.246.517.1.10.353.4)
- [35] Digi- ja väestötietovirasto., Certification Practice Statement for Temporary Certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.204.1)
- [36] Digi- ja väestötietovirasto., Certification Practice Statement for Temporary Certificate, v1.1, 07.10.2022 (OID: 1.2.246.517.1.10.304.1, 1.2.246.517.1.10.354.1)
- [37] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for social welfare and health care professionals' certificate, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.206.1)
- [38] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for social welfare and health care professionals' certificate, v1.1, 01.01.2017 (OID: 1.2.246.517.1.10.7.1)
- [39] Digi- ja väestötietovirasto., Varmennuskäytäntö (CPS) for social welfare and health care professionals' certificate, v1.1, 30.09.2022 (OID: 1.2.246.517.1.10.306.1, 1.2.246.517.1.10.356.1)
- [40] Digi- ja väestötietovirasto., Certification Practice Statement for the temporary certificate of social welfare and healthcare professionals, v1.0, 03.05.2018 (OID: 1.2.246.517.1.10.207.1)
- [41] Digi- ja väestötietovirasto., Certification Practice Statement for the temporary certificate of social welfare and healthcare professionals, v1.1, 03.10.2022 (OID: 1.2.246.517.1.10.307.1, 1.2.246.517.1.10.357.1)
- [42] Digi- ja väestötietovirasto., Certification Practice Statement for the Population Register Centre's server certificates, v1.3, 14.06.2021 (OID: 1.2.246.517.1.10.34.1)

- [43] Digi- ja väestötietovirasto., Certification practice statement for Population Register Centre's server certificate for e-service use, v1.3, 14.06.2021 (OID: 1.2.246.517.1.10.34.2)
- [44] Digi- ja väestötietovirasto., Certification Practice Statement for the Population Register Centre's wellbeing application services server certificates, v1.4, 14.06.2021 (OID: 1.2.246.517.1.10.34.4)
- [45] Digi- ja väestötietovirasto., Certification Practice Statement for Population Register Centre's server certificates, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.205.1)
- [46] Digi- ja väestötietovirasto., Certification Practice Statement for Population Register Centre's server certificate for e-service use, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.205.2)
- [47] Digi- ja väestötietovirasto., Certification Practice Statement for Population Register Centre's wellbeing application services server certificates, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.205.4)
- [48] Digi- ja väestötietovirasto., Certification Practice Statement for DPDSA server certificates for the social welfare and healthcare sector, v. 1.2, 30.09.2022 (OID: 1.2.246.517.1.10.308.1, 1.2.246.517.1.10.358.1)
- [49] Digi- ja väestötietovirasto., Certification Practice Statement for DPDSA server certificates for service use in the social welfare and healthcare sector, v. 1.1, 30.09.2022 (OID: 1.2.246.517.1.10.308.2, 1.2.246.517.1.10.358.2)
- [50] Digi- ja väestötietovirasto., Certification practice statement For PRC Server Certificates for the Social Welfare and Healthcare Sector, v1.4, 14.06.2021 (OID: 1.2.246.517.1.10.10.1)
- [51] Digi- ja väestötietovirasto., Certification practice statement For PRC Server Certificates for service use in the Social Welfare and Healthcare Sector, v1.4, 14.06.2021 (OID: 1.2.246.517.1.10.10.2)
- [52] Digi- ja väestötietovirasto., Certification Practice Statement for PRC server certificates for the social welfare and healthcare sector, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.208.1)
- [53] Digi- ja väestötietovirasto., Certification Practice Statement for PRC server certificates for service use in the social welfare and healthcare sector, v. 1.0, 03.05.2018 (OID: 1.2.246.517.1.10.208.2)
- [54] Digi- ja väestötietovirasto., PKI Disclosure Statement, Population Register Centre's citizen certificate, v. 1.0, 03.05.2018
- [55] Digi- ja väestötietovirasto., PKI Disclosure Statement, Population Register Centre's citizen certificate, v. 1.1, 01.01.2017
- [56] Digi- ja väestötietovirasto., PKI Disclosure Statement, Digital and Population Data Services Agency's citizen certificate, v. 1.3, 13.03.2023
- [57] Digi- ja väestötietovirasto., PKI Disclosure Statement, Population Register Centre's organisation certificate, v. 1.0, 03.05.2018

- [58] Digi- ja väestötietovirasto., PKI Disclosure Statement, Population Register Centre's organisation certificate, v. 1.1, 01.01.2017
- [59] Digi- ja väestötietovirasto., PKI Disclosure Statement, Digital and Population Data Services Agency's organisation certificate, v. 1.2, 29.09.2022
- [60] Digi- ja väestötietovirasto., PKI Disclosure Statement, Temporary certificate of the Population Register Centre, v. 1.0, 03.05.2018
- [61] Digi- ja väestötietovirasto., PKI Disclosure Statement, Temporary certificate of the Digital and Population Data Services Agency, v. 1.2, 07.10.2022
- [62] Digi- ja väestötietovirasto., PKI Disclosure Statement for social welfare and health care professionals' certificate, v1.0, 03.05.2018
- [63] Digi- ja väestötietovirasto., PKI Disclosure Statement for social welfare and health care professionals' certificate, v1.1, 01.01.2017
- [64] Digi- ja väestötietovirasto., PKI Disclosure Statement for social welfare and health care professionals' certificate, v1.2, 30.09.2022
- [65] Digi- ja väestötietovirasto., PKI Disclosure Statement, The Population Register Centre's temporary certificate for social welfare and healthcare professionals, v.1.0, 03.05.2018
- [66] Digi- ja väestötietovirasto., PKI Disclosure Statement, The Digital and Population Data Services Agency's temporary certificate for social welfare and healthcare professionals, v.1.2, 03.10.2022
- [67] Digi- ja väestötietovirasto., PKI Disclosure Statement for the Population Register Centre's server certificates, v1.0, 03.05.2018
- [68] Digi- ja väestötietovirasto., PKI Disclosure Statement for the Digital and Population Data Services Agency's Service certificates, v1.2, 29.09.2022
- [69] Digi- ja väestötietovirasto., PKI Disclosure Statement for Population Register Centre's Service Certificate for the Social Welfare and Healthcare Sector, v1.2, 01.12.2017
- [70] Digi- ja väestötietovirasto., PKI Disclosure Statement for Digital and Population Data Services Agency's Service Certificate for the Social Welfare and Healthcare Sector, v1.2, 30.09.2022
- [71] Digi- ja väestötietovirasto., PKI Disclosure Statement for the Population Register Centre's service certificate for the social welfare and healthcare sector, v1.0, 03.05.2018

Root Certificate VRK Gov. Root CA

- 14 The full annual audit covered the service provided under the CA certificate:
Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 01 86 ao (hex)

Valid from: 18. December 2002 14:53:00

Valid to: 18. December 2023 14:51:08

Certification Authority: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Information on Algorithm: sha1RSA

Public key (ASN.1-notation): 2048 bits

```
30 82 01 0a 02 82 01 01 00 b0 85 15 da c8 03 37 do a3 46 37 6c 1b 1e 96 30 c2 5a
85 12 67 23 f2 bb 9f e7 8a 81 60 27 f8 13 a9 3c bc f7 86 aa aa f4 f3 25 29 b4 fe 75 ae
1e 81 86 8a 05 b2 1d 65 b2 38 e8 b4 cc 28 9a fb 17 36 f1 93 d5 79 ce c1 83 8b 21 4f c3
od ad 41 df 78 9d 48 e3 1f 42 44 fc 3c 6d 21 20 6b ad 22 84 24 42 8f 17 4d c2 50 1f
64 cd 2d 39 22 56 88 fd b2 63 9d 54 da 42 69 c0 c8 4f d7 18 e2 3e c8 69 84 94 3d
2c 80 c6 7c ce bd d7 53 1f eb 88 b9 a6 cb bb 85 57 ef 57 76 5d oc 8b d3 5e 12 41 9f
21 c0 39 f4 26 6d 08 fa 38 b3 a1 77 b1 ee 16 d8 do 68 da b4 98 a5 ao 65 46 4a 6b
8d 7e aa 4d 60 b8 f8 c8 od fc 71 3e ee 39 87 81 b4 d9 f8 6e 90 ee 3f oe 61 d7 1d 2b
68 e6 2e e1 42 44 26 78 2c 58 f2 7d 16 7f 61 c0 49 24 2a 89 87 b6 5d 2f 29 19 f8 a6
e7 8e 52 9e 41 4b 5a oe aa b8 c2 66 42 53 02 03 01 00 01
```

Thumbprint of the certificate (SHA256):

```
foo8733ec500dc498763cc9264c6fcea40ec22000e927d053ce9c90bfao46cb2
```

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ncp (1) = o.4.o.2042.1.1

According to ETSI EN 319 411-1 V1.3.1 (2021-05), NCP.

Root Certificate VRK Gov. Root CA – G2

- 15 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Serial No.: 03 od 40 (hex)

Valid from: 14. December 2017 09:50:31

Valid to: 13. December 2038 09:50:31

Certification Authority: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 bf d6 00 4a 89 0e 2f 23 3b 72 7f 73 20 65 a0 5f 16 c5
7b 5e 5c 06 f9 66 73 20 82 f5 62 96 17 94 51 fe 9b 35 e8 f2 0e 5f 7f 21 95 1c 62 c0
e4 f9 82 78 5c ef 55 c0 c7 fc od 79 f3 b6 4c 82 36 0a bo 4b fc 2d 61 a6 ob 88 b8 4f
b9 05 ae 06 cc 09 d3 7b 4a od 68 89 13 45 00 a3 9d 5c e6 7e a5 1e e7 06 2f 06 6b
45 a4 a2 d4 9b 87 ca 98 65 60 eb 5a cc a2 95 ec 93 5b 4a a5 76 7d 5f 75 d2 2d 95
47 7a 69 b1 73 88 ac 65 24 79 20 7f 88 86 45 64 12 e8 14 c7 38 90 97 1c f1 41 f7 b8
eo 37 ff b6 b5 cc 31 5a cc 28 ff 84 a8 53 56 58 72 dd 63 c0 3b 47 1d 8c 56 43 de 54
c7 08 cc 3f 7a e8 c2 03 ca 34 bc 85 95 e7 c3 d1 20 d2 f4 4a 2b f1 eg ef 7d 7a 5b b5
04 60 52 04 78 9d e8 e7 29 43 6e 3b 01 00 d8 2a cc 06 26 02 6a 84 3f f3 08 aa 3e
14 fd f7 f7 8e b9 80 30 42 a5 05 7c cd f3 a1 84 22 78 11 41 09 d5 8c 80 ob 4e 58 8d
98 d4 73 3d 15 f7 6d 99 3d e4 84 f3 47 3c 2f 6b 99 14 84 21 3b 9c 56 65 52 f5 8f ab
od a9 63 82 cc 39 52 b1 ea a7 59 e3 a3 c0 of 79 3e e8 95 3e 46 ac b9 dd b8 57 85
f6 97 ff 9e b3 08 e6 37 56 de fc a6 33 38 8d bf od 6b 96 a6 8b e9 70 4a b7 67 44
a8 89 2e 90 e6 97 8b ee 6f 9c ac 73 45 fb 69 38 fd 56 f8 05 eb a3 11 cc c8 f2 f2 c4
bo f8 d7 19 f8 06 e6 96 60 7d d4 e4 b6 f3 d4 9b 19 5f df 31 83 ce b8 eo 75 96 29
6d 3c 2f e8 59 c0 4a 9f ba ec fa 93 f6 91 6f 2d 24 14 92 2b be ad 9d 08 58 35 e1 61
2a 13 df d8 do 7c f1 56 f3 6b 74 2d c4 e3 ee 80 61 2c ab oa 5d 55 49 4b 61 af 95 4e
b1 b7 52 d6 99 d3 ef 24 do 1c 06 48 9a 1b c2 17 9c b2 e6 8b fd 2d 72 b1 97 3c 18 49
51 56 7c 55 e4 12 be 50 89 1d 69 28 19 48 c3 da 22 81 a9 eo eo 05 aa bd 02 03 01
00 01
```

Thumbprint of the certificate (SHA256):

```
34ff2a4409dc1383e9f8966e8adfe5719eba373fdoad5e2f49f90eeo7cf5d4c1
```

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ncp (1) = o.4.o.2042.1.1

According to ETSI EN 319 411-1 V1.3.1 (2021-05), NCP.

Root Certificate DVV Gov. Root CA – G3 RSA

- 16 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 017940cbf49afec66649c9fo7905db (hex)

Valid from: 6. May 2021 10:30:42

Valid to: 5. May 2042 10:30:42

Certification Authority: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 c1 9f 02 80 81 2d 89 84 61 66 4b 1b 3b a3 04 e1 51 9a
1d 20 08 8a 16 60 a4 f3 3c 4c ea 1b 90 3c 61 29 2c ff 1e 4a 29 df 44 2f a7 67 95 e7
c4 77 92 86 0b 5a ad 3e 25 67 8e bc f8 c2 fo 2b 9f b1 95 90 5d 11 5c a7 93 5e 49 31
8b 52 12 ad fe bo 1e e7 e1 31 63 c4 25 74 e2 ac 39 e5 09 56 36 3a 62 f8 08 6a 69 71
41 4a eo 8f bb 78 f6 78 eb dd 12 69 f4 9e 48 3b 87 c7 04 ea ff 3b 88 5f 7f 44 dc 2c
45 34 da 6a ec 36 84 04 7b 1f 4c 01 1a a9 62 1f 9c 77 03 d4 9b d9 88 bc 46 d1 eb cd
51 1f 2a ed 3d 4d 06 07 11 bf c1 73 36 32 e9 c1 1a 82 de 43 46 ad 82 96 ee eo a8 a9
3e 6e b9 f2 2b 0b 64 f3 d1 93 4d 7b 8e fo c5 16 7b cd 13 04 85 9f b3 d5 ef 6d d7 13
b9 2f 7e 1b dd 17 9b 6b 84 d4 9c f2 66 7b 75 92 d7 91 42 03 1e eg ag f9 b6 10 03 e6
dd 26 2f 46 ef a2 45 33 53 9d 97 be 55 7b ae 22 85 84 62 e6 38 21 09 15 a3 25 07 57
62 8d d7 3d f3 oc dc 64 2a 26 83 6a 07 2f c3 09 5f 4b f3 fo 4e d8 ea 36 5f 66 35 9d
e2 2d f8 3b ao ec d3 ob 25 82 58 cf bf 02 03 18 e3 70 ba 64 ba aa 2b 86 of 3a f7 ba
e8 55 9f e6 e8 fb 72 94 ae b9 22 99 ed a1 58 ca 77 07 ba 55 eb 79 a8 ba 73 96 43
80 ac d3 98 e1 73 5e 56 77 94 ae 41 17 59 15 6c 80 4b cf 5a bo 41 de ob ac c6 16 2d
c7 e3 39 d8 c5 ac 39 ce 3f 9a df b7 d6 4f 7e be 8a 9f c2 29 16 4f 05 ca 00 c9 28 89
8c 91 19 1a 05 cd 75 5b oa 37 27 eo 22 52 58 2d 58 3a b4 62 f3 09 3f bc cc eo 63 3d
7a eg f1 ed ao bc fc eg f9 e1 27 af 45 4b d2 44 34 7a ao 16 48 72 33 ag 5d 27 4f 15
da 4d 8e 1d 9e 56 b1 64 57 90 a8 f9 dc 48 ed 66 05 40 f4 54 1b d6 81 e2 7a d1 73
36 07 8c 3b f3 da da 83 5b 5f oc 78 76 a3 fd 9d 15 25 de 87 02 03 01 00 01
```

Thumbprint of the certificate (SHA256):

```
D3ED3FC40AD26B52E001E1E18F4B9449529DEB75A81D5EB680D7B62DB23BA96
D
```

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ncp (1) = o.4.o.2042.1.1

According to ETSI EN 319 411-1 V1.3.1 (2021-05), NCP.

Root Certificate DVV Gov. Root CA – G3 ECC

- 17 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 017940a7b5da7d901ca94bf25aaeae (hex)

Valid from: 6. May 2021 09:51:30

Valid to: 5. May 2042 09:51:30

Certification Authority: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha384ECDSA

Public key (ASN.1-notation): 384 bits

04 b3 2d ca 3f 8a ae 92 24 0a 92 ca 05 e6 e2 6b od 7d cf 2f 89 ab a7 5a 55 f7 06
a6 60 5e a3 2e af 48 6d dd oe c4 33 2a ca ab 54 99 7a 88 8a cf b3 2f 13 28 d6 dd
eb b3 a8 d6 59 ca e7 c5 1a oe dc 8d 8a ac bo 6b 6d 51 86 ef 94 4a fa e8 be 4b ed
56 71 fo 1d ea 4b b5 f5 63 59 12 b8 af 89 b1 30

Thumbprint of the certificate (SHA256):

5546A52504FBA74F61FFD4890067529ADE3B9C9D07E502592831CCDA9B369F
D3

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-
policies(2042) policy-identifiers(1) ncp (1) = 0.4.0.2042.1.1

According to ETSI EN 319 411-1 V1.3.1 (2021-05), NCP.

Citizen Qualified Certificates – G2

- 18 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 01 aa 95 (hex)

Valid from: 21. November 2013 13:14:33

Valid to: 17. December 2023 23:59:59

Certification Authority: CN = VRK Gov. CA for Citizen Qualified Certificates - G2, OU = Valtion kansalaisvarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha1RSA

Public key (ASN.1-notation): 4096 bits

30 82 02 0a 02 82 02 01 00 d4 aa 75 b2 e7 1a f7 a4 70 58 62 96 a9 1a c5 55 28 29
6e 17 db bf f8 57 3c 02 3f 9f ec 40 74 82 36 ed 4d 62 c9 21 57 ce 95 9a e5 f7 fc 50
65 a1 1c f8 18 c5 b4 31 64 47 08 dd ec 77 d9 56 23 c2 dd c9 63 de 7f 60 7e 19 fe 2a
e1 25 fd 8f de 47 dd ad 9f 29 3a fo 42 12 of 29 36 2e oe 5d dd f8 32 c8 86 dc ea do
2e oa 77 23 3a f5 48 70 82 eo b2 6c 8b od of 17 16 1d e8 ob 74 fb f2 23 7c 85 59 71
e6 75 70 ob cf 89 53 fb f8 58 aa 15 f2 fb 65 97 1d c1 6f cb ca 04 d6 6e a1 30 ff 56 76

fo 50 22 ao 15 93 51 cb e3 2f e8 03 d6 4b 9d bb 98 1c 57 a1 dc 7b 98 93 ac 09 33 de
 5d 40 b6 21 d7 1e 94 e4 2f 1a 39 6a 9a 3c aa 71 a3 fd 80 90 05 69 6b e7 12 54 62 23
 b2 6d de c5 d3 03 co 22 54 38 67 e2 51 b2 10 02 9a e8 23 d9 62 d3 f5 9b 51 4b 02 76
 6a 4f 2a a7 3e a8 61 86 b4 d1 fd 76 df df e7 42 59 bo e6 21 a2 3f 36 aa 4e oc e8 50
 o4 c8 eb 65 52 1d d5 c3 84 30 4a 4d f6 50 22 ce 91 26 3f e5 69 ad 58 ac 3f 95 24 6e
 1f 27 37 47 f8 43 08 30 21 c7 4a df 77 65 48 12 d3 41 fe 2c of 49 4d ae 94 fo df 38 fe
 od do f4 3f 59 31 24 7c 23 b3 12 52 31 62 8a 1a 8c c1 09 46 oa cb 65 47 2b d4 4b 2c
 29 a3 59 aa 98 b5 c9 1f e3 e3 bc 12 of 77 55 8b 5c 05 77 06 2a 8d ed 74 a3 7d 35 f8
 4b 32 32 of e1 db 3f od c6 dd 29 36 cf 2b b9 56 oc 1f 46 6f 2b 2d 87 oa 4d 14 6a 97
 c4 3b 3f b1 ob b5 72 ca 64 6d 46 cd 6a 6b 96 c6 52 90 b9 a4 ca fc ee 90 33 64 02
 ed 6b 12 1e ee ea f9 e4 28 98 2e 39 e4 03 c4 fo 8d fe 11 f9 65 58 d6 b4 c9 26 dd 58
 48 78 de 53 a4 e8 f8 b9 f2 29 64 b1 f4 e2 be 38 a6 95 af f7 58 15 9e 68 31 f1 41 b2
 22 of bf 70 26 50 b3 d1 5b 42 83 67 7f e1 f7 fc 95 02 03 01 00 01

SHA256 thumbprint:

8263C4EC2BEFEB26BDD833F77873CC8EC59D934A16282C2Bo848CDA2AFDA8E
 B5

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural (o) = o.4.o.194112.1.o

- 19 This service is referred to as “Citizen qualified certificate - G2”. The service issues certificates for nonrepudiation and authentication to citizens, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n.
- 20 The set of documents describing the service is [2], [21], and [55].

Citizen Qualified Certificates – G3

- 21 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Serial No.: 030d43 (hex)

Valid from: 3. May 2018 11:28:59

Valid to: 2. May 2038 11:28:59

Certification Authority: CN = VRK Gov. CA for Citizen Certificates - G3, OU = Valtion kansalaisvarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

30 82 02 0a 02 82 02 01 00 b3 1f a5 af e5 88 52 44 98 62 50 cf 86 4b 39 a5 c7 81
 8a 16 7e 59 1c ad 76 c9 58 1b d2 59 29 8d 39 9d 3e 85 f7 2c 8b 40 co do ec 3e 38 3c
 72 bb 85 38 3a 9c f2 22 78 63 72 98 cb c3 62 cc de c5 25 11 ff 5d bb 73 8c 02 84 27 18
 2d 73 35 5b b8 22 cf fe 85 ed ff 46 5a 8d 42 a5 82 51 2f d1 17 d7 c3 be 7b 10 34 17 6a
 b4 83 59 59 f6 bb 79 fb f1 74 77 12 a7 88 d8 78 36 d7 94 a7 co 71 4d a4 e8 8a c1 fe
 d8 85 10 55 b2 41 65 27 38 3f 28 cb 34 ab cb 21 c5 ca c6 9d oe 4e 67 bc 27 7b 54 6c

32 a4 00 27 7f ee b7 ee 3c 1e 72 9c cf b1 cd f5 c4 34 93 72 ab aa eo 8e bd c3 d4 70
 28 91 90 a4 88 58 74 fo 29 38 e4 67 09 25 fb d2 c6 3c ac ao 95 19 39 1e fa bb 8a 23
 1e 44 46 ea 80 cc dc b6 a2 41 50 9a cc a6 6c c1 13 cd 8f 8d d3 97 ae f5 3c 7b df 39
 1e 53 e5 2b b5 ca 72 10 34 38 ee 9f 59 f5 a3 b3 c1 34 b5 09 47 04 ed 4d e8 8f 2a 8b
 94 70 99 25 56 9e 75 1d 2f a3 f3 4f 2c 73 db 90 d1 c1 99 90 3d 80 d1 of d1 dd 41 cf
 4e cf 56 76 o8 do 5e 1a 3c a6 ao cf 4d 82 3c 8f bo 42 64 f3 co 4c 72 2b o6 42 75 co
 a7 5a 41 af af de 36 2e a1 19 b4 bd 47 b3 dd e4 70 12 c9 be 9f 69 oo e7 4e 4b of 57
 44 cd f2 1c 62 d6 5e 3a fc 2d 36 66 e1 ca bd 68 2e d4 o8 50 84 55 77 d2 6f 95 37 6d
 oa 1b 5f 3e 1f 13 63 c7 cd 5f c8 d6 9f 76 36 56 bo f5 82 e9 9f f5 16 2b 6e cc d8 8e bb
 45 oo 70 18 52 fc 14 28 80 98 c3 78 9e d6 ff b1 2d 65 3f 16 cd 7f 4e 6e 45 92 e4 o8
 af d4 2f b6 oe e7 fe 99 o3 7b 88 84 57 e8 5e b1 75 o2 oa 39 72 5a 22 2d 4c d4 28 aa
 o5 87 a6 1b 9b 28 7a o5 e6 5a b7 ag e5 b9 5a fa 6e ce c2 ce ba 35 4b o7 o3 1e 15 53
 3a ad 77 16 24 1a 9d 29 4c ce c5 af 78 od d7 o2 o3 o1 oo o1

SHA256 thumbprint:

39A835B14B6B6313F778371C79CB434DD518C8FD325B749D9BE669DFF2o384E8

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 22 This service is referred to as “Citizen qualified certificate – G3”. The service issues certificates for nonrepudiation and authentication to citizens, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 23 The set of documents describing the service is [1], [20], and [54].

Citizen Qualified Certificates – G4R

- 24 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a35977cc9256b26b7e9318a576 (hex)

Valid from: 25. May 2021 13:14:42

Valid to: 20. May 2041 13:44:42

Certification Authority: CN = DVV Citizen Certificates - G4R, OU = Valtion kansalaisvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

30 82 02 0a 02 82 02 01 00 ac 20 30 bb ao 50 2f 19 ea 82 fd 9b 49 cb 1f oa 78 oc
 d5 2d bf 90 b4 d8 2b eb 14 f2 b2 99 bd 65 ad cf e3 5b 10 27 54 ao 30 3b 91 a5 5c 76
 2d e3 24 a8 ed fo fc bb 1e 96 dd 7b 8b 42 ao f2 eo 50 o6 a3 f8 20 bf 57 62 66 75
 ee 85 9f oo 82 c9 86 f4 ad c5 f3 fe bd 83 64 40 fe 8f 23 a7 2a 37 ce 3d d7 3f 53 2e
 6d eo f9 o5 81 2a f5 b1 38 a6 a3 76 o2 26 52 9f 58 46 81 4d 33 6d c7 oc ag d3 77 da
 62 d5 of be o8 db co 8a 89 41 de 77 8d ag c4 e7 fe b7 73 60 77 64 ba b4 92 f5 50
 70 f9 95 27 b2 61 oc a7 28 cd 6c 86 e3 b9 e2 eb e3 4a 9a e2 b4 bd 8a 8a 35 ao f1 cf

9d 8f 87 35 5e 46 21 91 32 88 4e eo 20 oc do c2 e2 22 ff 97 bf db ag 45 cd 3f od 7f
 o2 56 e6 6f 1e 48 cd ff ce eg 7b 62 4d 3b 93 b2 10 d5 4c 73 87 85 30 bd e4 95 a7 f1
 4c bb ob ba 8a 8a c4 45 68 27 cb c5 e4 38 of 46 e2 f1 75 60 29 35 ao 77 54 d7 8f 86
 24 1f 92 a8 24 3e a1 oa f1 29 f1 d2 co o8 17 38 d4 46 25 14 1c 47 65 57 1c 73 b2 5c e6
 eb 14 22 df e4 7a 35 92 ob 48 83 18 a7 12 37 5a b8 a7 4b 6b 70 f7 f9 d9 82 71 5a 9a
 87 oa 43 90 cd od 99 6d c1 52 bd 2f 71 f6 d2 93 cd b7 ce 98 bd 82 o8 df 15 98 67 14
 of 73 38 d9 4d 94 7e fb 53 5b 2d b8 c2 f8 e7 fb d1 cf 54 33 1e 45 e8 bg ca 4e co 68
 ce 81 6a 2b b5 61 6b e2 72 44 dd o6 b1 c3 1d 27 b6 93 a1 cf 4b 56 95 2c eo 62 ed b6
 8e 58 e5 aa o8 32 96 b4 cf e8 81 5e 7a b3 1c d2 48 8c o4 od 57 64 ad 14 23 3b 61 c7
 2b 55 31 9b 58 83 32 76 c4 fa db 71 92 d6 b2 75 3b 84 ao 57 3a f2 o4 4f 2e be 76 66
 ce b8 85 9d od 59 dd o5 dc 67 60 6f e1 8o 6a d3 ca ac be 83 c4 6e b3 45 a2 d5 fb
 gf fo 3e b1 22 48 a2 c9 17 oc dd 1b ac 2d c2 bb 65 5b fa 5b o2 o3 o1 oo o1

SHA256 thumbprint:

2176C05E69EE24946A140D13F9EFA222B3F1E768E1E2A67B313969CC03B82064

Applied policy: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 25 This service is referred to as “Citizen qualified certificate - G4R”. The service issues certificates for nonrepudiation and authentication to citizens, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 26 The set of documents describing the service is [3], [22], and [56].

Citizen Qualified Certificates – G4E

- 27 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a35efb50ba611d7e96320b2aa3 (hex)

Valid from: 25. May 2021 13:21:23

Valid to: 20. May 2041 13:51:42

Certification Authority: CN = DVV Citizen Certificates - G4E, OU = Valtion kansalaisvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha384ECDSA

Public key (ASN.1-notation): ECDSA_P384, 384 bits

04 81 28 90 7f 81 39 af 78 98 81 4d f3 5a 98 a6 76 97 76 8a ac 6e 8b 3a 2c ob 17 c7
 c7 ad ba 77 9a 2e e6 ec od 4f o5 6e 50 94 f7 c3 25 87 71 96 78 8d 6b ca o3 74 d5 39
 79 41 f3 30 a9 65 eo 28 cf b5 84 15 4c a6 1f 47 5e ce 84 51 14 b2 8b oe 4c eb 1d 7e
 do b5 be e5 53 6a ae 2e 1f 75 bf eb 84

SHA256 thumbprint:

AAD1BEAC4696102A88BF9D518D64F8B014F78F9B152579C959998313197924D7

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 28 This service is referred to as “Citizen qualified certificate - G4E”. The service issues certificates for nonrepudiation and authentication to citizens, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 29 The set of documents describing the service is [3], [22], and [56].

Organization Qualified Certificates – G2

- 30 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 01 aa 96 (hex)

Valid from: 21. November 2013 15:20:58

Valid to: 17. December 2023 23:59:59

Certification Authority: CN = VRK CA for Qualified Certificates - G2, OU = Organisaatiovarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha1RSA

Public key (ASN.1-notation): 4096 bits

```

30 82 02 0a 02 82 02 01 00 be d9 c9 cc 73 0b 39 4b 8d b4 69 aa 1e 12 cf d7 c4 41
96 33 3f ad 2f 98 fc ff 86 a8 9b 7b e2 62 9b 07 0a 7c 7a 21 76 2e 12 4e 79 ae do 1e
6f 66 ef 30 9c 74 ad cd 31 07 7d 95 b1 74 35 f9 69 78 64 oe 04 d9 9b 3c 1a 9f 89 3f
b8 b7 b4 49 4f 8e bb b5 fa 75 08 5e 50 1a bc b6 be a1 77 4b 47 41 66 ob 98 28 d7
2a d2 03 73 39 0a bf 0c 03 ao e8 e5 8b d8 dd cb aa 1b 32 da 28 c4 26 cc 4c cd d1 87
93 e6 00 ed 25 cc e7 76 74 16 0a 47 5e e6 81 85 7c 44 82 22 f7 37 d4 3e 98 52 26 a7
c2 ao db f4 9d e2 9a 67 eo 35 19 aa 2e 7f 36 cd do co 4e e4 72 bb 8a 43 3a bo 3a
a1 5d 9a 62 1b 5f e2 of 2b ea 77 1f 91 c6 46 90 c3 fe 5e de 41 88 ob bd 4e 30 19 70
25 6b 58 ec 76 3e b8 e4 43 e8 9c 75 38 96 44 da 37 e5 40 8e 11 75 9b 22 9f fa ac 5c
oc 2a fb 90 c1 93 a2 ce dc e8 7f 18 b6 97 c8 f3 9a 20 85 47 3a 7a fb 71 67 58 76 5b
fo 59 4c e9 54 d6 92 bf d7 71 c7 c9 da 97 be 16 4f 7d 3d 4f 38 94 41 c6 db 59 68 5b
83 3c d9 6b ac bb 35 57 ef 7d fe 47 82 93 82 96 5e cc 00 a1 3d 64 84 d2 59 fc e9 ec
34 32 bb 16 8c 4b 2f 14 a6 d7 3e 24 a4 4e 9f a3 e2 93 ef bo e3 4a ao bd 1a 44 do d9
ac 3c 77 7e e1 10 5a bo 5c be fe b4 97 78 c6 2a 9d e9 aa oe d2 60 34 cb ef 24 90 5e
06 15 f7 23 a6 1c a6 9e 7f 65 98 19 a3 cc 5d 3c 55 e1 79 88 2e 46 e8 97 06 f5 de fa
e6 58 54 5d d9 68 da a5 6f b9 bc fe 13 6e e3 3a f8 f4 f7 90 53 aa 14 b9 fc 9d ec f8
7e 32 09 ef 74 66 0a 1e 84 62 9b 98 d7 bb 37 e7 6f 13 a2 b4 d3 d9 a2 15 42 31 33 92
c7 c5 64 c3 of c8 2e 98 5d a4 cb 95 21 06 f1 31 f9 73 fo 7a ao 71 oc 89 21 80 68 37
80 26 13 96 6f 2e 5d dd 40 fo 8a ed 23 ao bd a2 9a 93 d6 09 02 03 01 00 01

```

SHA256 thumbprint:

A5DFC5AD09B2F66A68EF0FB3B4BDAA42AA3ADD6F3E7BBFCBDFD27FC7CCD9F3D8

Applied policy: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural (o) = o.4.o.194112.1.o

- 31 This service is referred to as “Organization Qualified Certificates - G2”. The service issues certificates for nonrepudiation and authentication to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n.
- 32 The set of documents describing the service is [5], [27], [28], [29], [30], and [58].

Organization Qualified Certificates – G3

- 33 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Serial No.: 03 od 44 (hex)

Valid from: 3. May 2018 12:12:46

Valid to: 2. May 2038 12:12:46

Certification Authority: CN = VRK CA for Organisational Certificates - G3, OU = Organisaatiovarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 8a 68 7b 43 9d 96 c3 8b 59 c2 f5 f9 e2 49 64 b2 39 f1
b9 28 60 e3 e7 d3 a4 65 be b3 08 do f1 8b do fe dc oc 62 2c da 75 dd 2a e8 61 6b
48 b7 eb 9b 12 43 e6 e2 bo e2 oa bb 36 c7 f2 ee f3 f5 b6 1b e4 49 3b 02 f4 8e a1 fc
ad 44 fa 9b 41 d5 22 19 19 8e d6 5d 94 c1 e3 13 33 d5 86 4d c5 57 dd 5e 72 17 oa 05
1a oe a2 f2 ca 95 fd 5d 07 bo 10 8f df 4f 21 cc ao 57 9d fa 52 bo 98 72 61 3c 36 do
db 8a cd d3 03 4b 48 cd 97 4d 22 68 oa 4a 7b 67 3b 81 9f 2f 99 e1 2e bo e2 40 c9
5f 9d ce ca 77 4e ec 26 28 4b ed 20 31 a5 e1 co 40 db de 35 ec 45 38 3f 51 93 be bf
25 64 ba b3 4e d9 e4 c7 33 a5 ao c7 ed 36 53 ec 80 56 ee 28 oc 47 e1 d7 14 08 93 48
ff 37 56 56 2b 48 70 do 53 98 bo e7 d1 1d 61 e4 c2 1c 2f c6 f1 fc of o2 4e 25 73 oc 80
31 57 05 86 e4 24 cf 58 2d 4b 6e e4 a2 94 6d 3e 49 5d 5b 42 71 c6 60 22 74 cf 48 8f
c9 04 78 82 58 of 00 48 54 24 05 f4 ab f9 f7 1d 4b 2f 62 52 6a d2 c2 45 e7 c5 51 13
97 91 39 d6 62 32 17 bf 83 17 65 36 2b ae a2 f7 47 a4 77 ef 4d d4 3c ba ab 41 7b 59
a6 34 39 24 5b 9d 9c 65 6a 6f e8 7c 8c b1 6b c7 ad d2 31 37 oe f4 65 17 fd 4c f9 b5
cc a3 3a 48 c7 ad 17 e7 29 4a 8c 3a cb 3d 27 b3 21 93 64 do c5 ce 30 68 2a a4 e7 66
c9 36 2c 28 70 c3 dc ed d6 c4 ba df ed 5e 59 a9 f2 1c 34 7b a9 b1 c8 fd 26 9e ba 88
aa 3b 40 ad of ce fa 73 72 65 87 36 46 cf 9d ad d4 7e fd 42 c5 2e 44 87 8a 07 55 29
7d 8c 35 ef 72 ab 99 2e ee 02 ff 68 b6 82 aa e6 ce 72 b7 oc 74 59 ce be 4c of c3 01
28 db 37 ao d6 de 67 9b c4 31 62 75 1a 84 3e fe ca 23 30 3b od 5f 1e df oc 53 5d f9
13 97 24 a2 cd 4f bc a5 6c 5d 57 55 36 4b 52 65 fa ea ad o2 03 01 00 01
```

SHA256 thumbprint:

gCoB9EBEA9559oDoFAFE4A46C62E49DDoBA6CCoA8oF89o19A23Do37E1A4C1
B5B

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 34 This service is referred to as “Organisation Qualified Certificates – G3”. The service issues certificates for nonrepudiation and authentication to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 35 The set of documents describing the service is [4], [23], [24], [25], [26], and [57].

Organization Qualified Certificates – G4R

- 36 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a3638f762ca038fb0fdf66a89d (hex)

Valid from: 25. May 2021 13:26:35

Valid to: 20. Mai 2041 13:26:35

Certification Authority: CN = DVV Organisational Certificates - G4R, OU = Organisaatiovarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 c4 a2 0c 11 59 dc c7 ea 09 bb do 2c 3c 6b b7 25 9d fo
d1 4e d1 c6 78 3f 59 eo 67 51 f6 3c d8 6f 79 5f 31 3e 2c 20 fc ao 6a a6 ed e6 72 44
83 9a 7b f6 94 88 e7 6e e3 19 7b 7d ag 7f 20 73 e4 91 87 f9 c6 d3 c9 98 bd b5 7c 41
bc 99 74 f1 13 28 7f c3 ad 13 af a6 76 b8 84 a2 c3 e4 42 47 f1 6c 78 86 8e c5 80 94
a1 04 40 14 e6 ef e7 7b 8f 97 97 fc 85 1e 42 71 9e e8 38 e9 58 92 69 b3 85 2a 4d 8c
03 12 e1 ad bf b2 9f 52 5b 53 do dc 02 cb 88 f5 07 82 16 d6 ce 90 b9 22 1b 70 o6 c8
06 28 ce c7 cf ad 3e 9a f2 b9 bc fe 7f ce 99 59 fd f4 cb o8 39 bc 07 82 42 of d1 53
c1 ea f5 09 31 fb a9 43 27 d4 79 50 7d b7 6b cb 3e 77 fa e1 73 29 13 2a 34 e9 5d 3b
37 eb 77 1f e6 42 b6 37 de 6a 14 79 cd 28 3c ao 8f 92 e8 23 5f ob d1 f1 fd 43 07 4d f1
9f 2b 31 00 ee 90 8e fo 73 b6 18 be 1b eo oc 5a b1 1d 30 21 87 51 2e ca c7 f9 ab 42
40 bf d5 bf be d5 69 f7 56 92 bc d1 a3 fo c5 45 a1 30 2b b9 fo 76 f4 o8 20 o5 cd ae
89 24 84 a2 79 4b c4 76 2b 3c 12 94 51 18 bb dc 12 65 20 45 46 a4 7b c7 5e 25 1b o6
c5 59 f5 15 6b 64 1f c7 32 62 68 ed 2d a7 34 ae 4e bo ee 57 45 8b f3 57 9a 67 7f d8
be e3 28 65 d5 f4 f9 42 f9 da 94 4a fo 73 ef 4d e7 56 20 8e 3a 57 66 7c 4b 33 a5 3c
13 63 36 3e 77 46 9b b9 68 a7 df f1 f7 75 b9 65 87 43 aa 39 83 b9 f1 26 89 4d 7f 64
34 aa cc 22 8b 87 d4 8c 1e d6 ed c1 e2 c5 f2 91 98 df of 92 a6 f7 cc 98 20 62 54 c6
f6 ob ba ce 7b 65 ec ea oc a8 b3 b3 13 14 1a a7 25 d3 5d 9b e9 40 65 oe ec 4b e5 56
do 72 97 dd 8b 20 65 49 a6 56 ed 9a e8 89 a2 12 32 3b ec 5d 98 78 1a 3c 87 2b 19
d1 1d 6e 23 59 dc cc ef 78 c2 a8 cc ao 4c 31 a8 54 b9 02 03 01 00 01
```

SHA256 thumbprint:

DFC3E965176F883A9CF0F68CEAEEAB663EDFD8E79DE3294373C28A856984006F

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 37 This service is referred to as “Organisation Qualified Certificates - G4R”. The service issues certificates for nonrepudiation and authentication to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 38 The set of documents describing the service is [6], [31], [32], [33], [34], and [59].

Organization Qualified Certificates – G4E

- 39 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI
- Serial No.: 0179a3670fb3ccc2e867398a0103ae (hex)
- Valid from: 25. May 2021 13:30:38
- Valid to: 20. May 2041 14:00:38
- Certification Authority: CN = DVV Organisational Certificates - G4E, OU = Organisaatiovarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI
- Information on Algorithm: sha384ECDSA
- Public key (ASN.1-notation): ECDSA_P384, 384 bits
- 04 4d 62 ec 9e 17 64 5d ba 74 e3 6d 17 33 3c 20 67 5b 29 2e 6f 88 36 4f 77 e9 c8 b6
4a 5c 76 d5 7d 3b e1 7c 9b 2b 69 1b 2a 4c ac 3d eo 00 15 ef 15 47 f6 b3 64 9b 49 56
74 91 91 16 51 03 45 b4 of do 7b cf 23 fb bc ef 41 f6 bf 11 bc 14 od 51 65 ad 9d c3 1a
40 1e 51 29 9c 23 64 9f 41 a3 8a 33
- SHA256 thumbprint:
- 8FDBDCCB5820F1C79EF8BCE190E2B3CD2CC3DoB6BD8311B1F75FBD48BBC230D4
- Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2
- 40 This service is referred to as “Organisation Qualified Certificates - G4E”. The service issues certificates to for authentication and nonrepudiation to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel, where the private keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 41 The set of documents describing the service is [6], [31], [32], [33], [34], and [59].

Qualified Certificates for Service Providers – G2

- 42 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI
- Serial No.: 01 aa 8b (hex)
- Valid from: 12. November 2013 10:09:06
- Valid to: 17. December 2023 23:59:59
- Certification Authority: CN = VRK CA for Service Providers - G2, OU = Palveluvarmenteet, O = Vaestorekisterikeskus CA, C = FI
- Information on Algorithm: sha1RSA
- Public key (ASN.1-notation): 4096 bits
- ```

30 82 02 0a 02 82 02 01 00 b5 d9 3b e4 4f 3e 60 2f 74 e0 06 96 20 76 f3 7d d4 18
a3 86 0c 0a 1c 30 17 5b 99 3c 53 cd 46 24 8b 01 fa e7 dc 5e 32 3f 5d e0 73 b4 e5 c2
cc 59 8b 9f 50 d7 98 f7 13 62 c9 b8 27 b4 b9 02 b8 b7 43 eb 63 f2 5e 67 87 f8 25 28
4f e9 cf b8 90 31 eb 15 09 e5 0b 2b 65 28 bf b8 ag fo 70 5a 59 78 2d fa b9 35 fb 59
8b b5 63 55 61 f3 fo ec 1d 7b 46 89 db 7f 95 cd f8 81 44 53 86 72 e1 1c 96 99 29 84
08 b3 f8 ef 5b de 72 61 7e e9 2b 92 9c od 1f 57 ba 01 b1 f5 43 70 16 2e 53 30 c5 28
fd ed 29 af 63 oc 21 b6 37 78 3a 45 21 5f 71 95 50 e8 86 73 60 2a 4d 43 bf 50 eb b5
c1 ed 70 4e 42 35 4f 76 95 32 c7 98 42 e1 ce oc 23 cf 04 cf 61 29 d1 7d de 0a 59 b8
9b 7a 12 71 9c e9 bc 2e 4a 6d 59 b8 ca e1 8c a3 od 29 12 96 8f 9b 85 72 f9 46 ee c3
cb 5a fa b9 3d f8 bd c5 d1 d7 39 2f 87 f6 74 2f 58 26 18 ef ag b8 aa 1e db 1b be ab
a8 a4 1d 52 61 15 4f fc 08 25 b0 a1 58 1d of 43 4a 73 1a a5 57 ab e5 ee 2f 64 90 f3 95
c3 4b d4 14 d9 a3 41 f9 c7 4c 41 32 70 e6 fc 5c 42 9b 04 76 2e d8 ec 6e 6a 51 c8 c5
92 54 e4 3b e4 e1 4d 8f oa 34 04 85 ae 18 e3 50 45 e7 78 2d 86 cd 6a do 76 4f d3
e7 75 8a 97 4e d8 9b 70 12 80 d7 a3 17 f2 e7 b1 5b 59 25 f4 f9 c1 a7 2d 90 18 4c 85
e3 9d d6 05 c9 08 6b a3 e8 02 3d bd 59 e8 73 b6 50 bc c1 5e e7 65 94 59 9c 4c 93
04 6e 45 58 6b 2c 08 7b 9f a6 f2 94 e9 26 f7 68 2c 4f fo 66 76 e3 52 05 44 62 23 13
25 6c ob co 3b 12 dd oo of oe 17 54 oe e9 35 1f a1 6e 2b 81 11 01 2f 1d 43 60 e7 6f
6d f4 52 02 36 93 ff 13 a8 a8 ab 1c 14 73 4f 29 45 82 aa 57 97 e6 da 3e 13 6e 8c 45
68 d8 d6 1a 84 48 41 39 1b 61 a6 e6 ba 9c 5c bd co 77 89 02 03 01 00 01

```
- SHA256 thumbprint:
- ```

41D2E6F4678D2428045083AC074A2AD60EF2F811BA06E1963FE319B2FF67C137

```
- Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = 0.4.0.2042.1.7
- 43 This service is referred to as “Server Certificates - G2”. The service issues certificates for website authentication, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP.
- 44 The set of documents describing the service is [7], [42], [43], [44], and [67].
- ## Qualified Certificates for Service Providers – G3
- 45 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 01 aa 97 (hex)

Valid from: 7. December 2015 10:12:34

Valid to: 18. December 2023 14:51:08

Certification Authority: CN = VRK CA for Service Providers - G3, OU = Palveluvarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha256RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 b4 af ae 91 c5 27 d9 a5 d7 a1 c5 41 97 1c dc 35 fo a4 01
8d 80 e7 95 82 48 ef 9e 8c 09 3c 14 29 50 83 b6 a4 c9 1c 26 19 a7 fd f8 57 05 3f 66
61 3c 1f b3 a8 70 ce 00 a2 ob c2 f3 4d bb 33 5a 44 d2 65 5d 75 4f 76 1c 8b be oc 6e
25 df 4e 34 35 39 9e 59 f5 55 fc 65 dc 2f 60 oe 38 b4 59 a3 07 13 1f 3c 9c af ff a2 5c
72 14 44 9d c2 41 34 db o8 6d 2b eb 52 46 49 5e 5b 19 74 06 5d od 9f 86 5f fd a2 f7
77 b8 60 38 7f 6a fo fo 43 81 81 d6 eb 16 d4 fo b2 49 fd 13 9e fe 30 27 fb 18 fi 68
f6 ee 3a e3 9d 88 52 od a7 2b 6d 52 65 37 e2 c5 de f4 79 76 e6 48 a1 ce 67 bo o6
5a 4d 38 54 99 ed 7d 1b 2a cc od 38 aa ao 61 14 5c 10 e3 db d5 89 bb c2 56 45 3d
b6 e5 45 84 b2 72 12 8c c3 5a ff d4 c5 f2 20 39 5a 50 a7 b4 a9 95 b9 1f 6e 63 f8 o2
d3 a5 35 3e 18 e9 c2 a9 49 be 33 b1 eb 4b ec 69 6c 2b 14 aa 74 6d 7d 93 5c 8c f6 eo
dd d2 28 3f f9 b6 9a be 6e 2f oe 8f 22 ae 49 13 57 e4 f9 d8 5b o1 2a 51 c5 2b 3b eo
bd 85 56 be f8 51 6c e8 d5 39 6c 3f 85 43 3a fd 26 a7 cb 21 6e 53 c1 86 34 a6 16 cf 7f
cb 71 79 94 3b 29 2d oo d3 de 19 c5 9d c4 6f 5e o8 33 56 de b7 4a 31 6d 9e 7f e9 40
63 ff 32 ob o8 97 45 32 18 70 80 2f 52 82 af 23 bb b4 e1 6f 8b a7 65 db 3c e8 bb ba
dd cc 98 f4 bd o2 9a e5 d3 1f f2 6e a3 71 42 ed 15 d8 54 8d a4 41 b2 1f e8 e4 8a d2
60 69 4f 2a cc 22 eo 6e 6e 97 fb 93 91 ef a6 85 bd 66 19 34 d5 73 71 bo be 13 f2 c1
51 dd e7 79 5b 44 cc oo c4 61 c6 o4 57 6a 23 7c f9 e1 98 2b 87 ef 24 9e 69 69 ca 30
8f e5 bo 49 c5 13 fb 77 f6 30 15 6d f9 f8 39 78 o1 e8 67 47 14 63 4b 47 2e 5d 3c 3c 41
41 a5 79 70 13 o4 94 72 77 76 7f d4 5f o4 a8 a9 o2 o3 o1 oo o1
```

SHA256 thumbprint:

B75oA125F5FB285BFE5CC1FF2D97138875DBCEC75AB678124C27oE26D8C19A8E

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = o.4.o.2042.1.7

- 46 This service is referred to as “Server Certificates - G3”. The service issues certificates for website authentication, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP.
- 47 The set of documents describing the service is [7], [42], [43], [44], and [67].

Qualified Certificates for Service Providers – G4

- 48 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Serial No.: 03 od 45 (hex)

Valid from: 3. May 2018 12:19:19

Valid to: 2. May 2038 12:19:19

Certification Authority: CN = VRK CA for Service Providers - G4, OU = Palveluvarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 cb e6 be 06 a8 12 86 ag a2 dc c1 e9 db 10 46 71 51 56
97 88 cf 93 od fg 2e 48 d7 8a 97 b7 21 54 5a 86 16 7d 53 fa 40 5f 49 bo od b8 bf 02
fc 7c ag c9 22 47 92 79 08 90 46 00 1e 9f 6c 06 87 5f bo c8 6f ad ea 25 e4 ab 4c 51
27 24 6f 60 1c 86 24 a1 e6 8b of bc b6 52 fa c5 71 fb ba bb 39 47 e2 do 27 7b 02 ae
e6 44 70 fo 8e c1 2f 71 1e fc fa e5 d4 ag 62 49 f7 e4 be d3 72 7e 3b 81 d2 28 45 c3 2e
2d cf 9e ed 38 96 bf 31 a3 41 2d 5b 19 91 b5 5c c6 35 9e c5 fa 4f 37 70 d2 db 28 30
69 65 b2 4e 10 04 71 7b 21 37 oe 75 ea 60 a7 87 99 cc e2 d1 3d f6 92 ag 2e d5 78 71
1b 6b 2b a3 8a 2b ao 3d 8b 3d f2 91 68 da c7 b5 63 78 01 73 d2 92 19 52 d5 d5 1f c2
9d 4b 5c 00 e2 b1 1d 5b e3 15 6e c4 9a 56 oa 54 bb e1 04 9f 26 47 47 40 76 a2 88
42 b3 92 b1 ca bc 7f 43 eb c6 46 b2 53 c7 75 b2 69 f1 44 48 e9 3c af 04 bf 2b 9f 91
13 5a f5 9e 70 02 2b 96 55 d4 eo 28 01 9f 48 28 e9 4e 97 58 7b ee 96 8a 08 a5 22
ag 54 f2 2b oe 79 oe 87 04 3b 24 36 74 b6 oa 93 d4 b4 dc d3 56 bf ao c3 7e dd 4b
11 95 dc 50 ce 1e 69 ad fd 75 34 70 f9 8c 65 16 12 a2 97 b3 a2 b2 67 93 ca f9 ba 25
5f 34 76 80 f7 89 ee 6b 7b 83 78 f2 ac e8 cf f5 2e 8c d7 dc 2f d5 70 f8 2b de 72 64
00 6f 32 ff 53 72 08 95 7a 5d d3 e4 45 3e cd cf db 63 15 5b f6 fb 3c 93 bc oa 9a a6
6f d4 62 5e f2 11 d4 43 68 78 e7 4d 00 1b 57 ef 18 3c a3 oe 99 e6 5f b4 6d 33 58 f6
dd 90 82 65 1c de d5 d9 44 a7 1f 91 7c 32 43 61 61 c6 8f 45 68 68 6e 69 f9 8b fd 5a
5b f7 oe cf 07 70 od oa c7 90 ab 3a 8a 49 b1 06 34 fe 2a b7 35 39 4e e5 oa 36 35
8a co 4e 2d 7a 00 d7 33 87 c4 64 9d 90 31 c4 f6 d3 ca 9a 5b 8b 02 03 01 00 01
```

SHA256 thumbprint:

```
1BD3870B842FF0A637284268017E18E455A7FD2D84468F3CDF7D587C7AB35C9D
```

Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = 0.4.0.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = 0.4.0.2042.1.7

- 49 This service is referred to as “Server Certificates - G4”. The service issues certificates for website authentication, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.
- 50 The set of documents describing the service is [8], [45], [46], [47], and [67].

Qualified Certificates for Service Providers - G5R

- 51 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a399c459600b353ba79987192f (hex)

Valid from: 25. May 2021 13:39:39

Valid to: 20. May 2041 14:09:39

Certification Authority: CN = DVV Service Certificates - G5R, OU = Palveluvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 bb 1c 4e cb 91 f9 e9 e9 41 7d 51 89 be a3 04 fd fa 9b
7b bf b2 79 44 58 39 13 8d 23 b8 31 97 b5 25 a1 43 5e d5 49 70 70 9e 7c a8 24 e7 73
09 25 28 b9 6f c2 b5 eb bf 33 e1 69 41 b6 8f 46 99 7c 88 17 1f 4a 32 99 e6 28 27 24
70 09 64 5e 8f 87 a4 d2 05 48 20 e9 do 2b 1a 15 9f 1f 87 54 41 4b c7 bc 34 98 51 8c
eb a7 d4 8a fb 66 2a 81 90 1e 82 5f 9f dd 9f fa ce fe e9 f5 1a 09 44 d9 30 4f d2 f6
6e 80 04 d4 50 f6 b3 e6 09 6c ed 1d ob 61 31 fo af ec 07 bd 22 ef 90 90 e4 1b 26
9e 81 7b 61 e2 6c e1 4c 96 ed a5 23 47 d5 7e 63 6f 96 ea 27 f3 13 2e e8 a6 51 a3 1f d6
67 19 57 d2 e4 dc do 08 02 09 d5 5f 99 45 3f 8f 4a 56 db 85 67 6f 77 oa 9f c6 6b
ab 88 78 63 39 4c d3 65 90 6a 2d 3e 47 19 bd 8d ca 4b e7 de 4b cd 58 54 df 35 b6
49 ea dd oe 18 15 4b d5 bo e6 f5 1e 60 40 9a 86 38 ee oa 3a 9a 71 fd 66 52 c8 c9
1e 97 d4 25 16 61 co 8d 9b 54 46 ob c1 e9 53 56 a7 ba f3 5c dd 92 17 8c 29 6d 5a 44
2a 21 b1 06 89 a6 9c 3c 7d 96 f5 00 d6 e9 ed 65 da 87 5a cd a5 23 1c ad ff 7d 9b aa
5e dd e2 97 c3 81 7e cb 32 01 84 61 69 c7 08 37 df 2d 52 dc 16 03 73 83 5a 41 13 16
be c4 a9 d8 77 85 do 53 a8 87 62 bd f9 8d e7 ef cb a7 oe e9 00 9b ac ec 9a fa f7
36 bf 97 21 c1 fe 96 b4 42 70 a2 bb 3e 37 77 4f 13 ab 9b 39 7a 8e 18 b6 2f e1 57 47 01
eb 63 oe 49 7c a5 d7 60 be 68 80 od 4d 01 b7 2e 31 34 7b oc 84 b2 30 71 5a f2 e2
fd eb 58 7a 77 ed cf 98 cc e9 90 6e 38 99 2b 23 a2 ab 68 de 24 oa 36 83 ca 5d b8
31 77 23 d4 f4 06 1d 81 b8 68 f4 bb b7 36 b9 df 9b 2b d5 69 35 8e 47 2c b8 6e 00
bc of 4e 68 54 58 e4 c1 be d7 31 ca f5 a6 66 c1 1a 5c dd 8c bc df a6 9d 02 03 01 00
01
```

SHA256 thumbprint:

```
46319C69041DB9A0D93DAE802E3002CC615365931FE0976D392E8863E3F3BE31
```

Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = 0.4.0.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = 0.4.0.2042.1.7

- 52 This service is referred to as “Server Certificates – G5R”. The service issues certificates for website authentication, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.
- 53 The set of documents describing the service is [9], and [68].

Qualified Certificates for Service Providers - G5E

- 54 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a39cdd1496bf683b2044650e56 (hex)

Valid from: 25. May 2021 13:40:27

Valid to: 20. May 2041 14:10:27

Certification Authority: CN = DVV Service Certificates - G5E, OU = Palveluvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha384ECDSA

Public key (ASN.1-notation): ECDSA_P384, 384 bits

04 3b 72 4c b1 a1 6d ce f5 bo 2e 57 47 ef 44 dc ec cb 44 f4 ao 6e 88 8b fc 98 b9 2c
94 ff 7a b9 16 75 01 94 9e 37 a4 f4 17 ec 3f a1 65 ao 01 36 a2 89 4a oc 80 15 18 e8
52 66 e5 c3 da 5f 9b 09 96 12 a6 a3 05 do d5 4e 8f 01 e1 e5 o8 15 f6 d8 a5 fe df 6d
53 ab 1f 33 ac 14 eo 8f of d8 f4 aa e3

SHA256 thumbprint:

93C176167ECA02A1B262B16517AC5FB5FC25D3568D97ECDDDo4E3A6126B6C7BA

Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = o.4.o.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = o.4.o.2042.1.7

- 55 This service is referred to as “Server Certificates - G5E”. The service issues certificates for website authentication, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.
- 56 The set of documents describing the service is [9], and [68].

Healthcare Professionals Qualified Certificates

- 57 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 01 a6 55 (hex)

Valid from: 27. October 2010 13:41:26

Valid to: 17. December 2023 23:59:59

Certification Authority: CN = VRK CA for Healthcare Professionals Qualified Certificates, OU = Terveystietoviraston ammattivarmenteet, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Information on Algorithm: sha1RSA

Public key (ASN.1-notation): 2048 bits

30 82 01 0a 02 82 01 01 00 af e1 db 88 83 21 c5 bb d3 ee 7e e5 17 80 e9 9c ed 48 09
15 c4 52 57 8d e9 ea 3f fe cc e6 6e f3 8d 7c d6 89 b6 32 a5 cf aa d8 18 c9 47 d6 6d

c3 35 59 42 9f 94 55 1e 45 db f6 93 42 c5 76 28 a8 15 74 d1 13 bf 47 2e e7 13 2d 1d 07
 f6 55 95 c9 3c do 25 08 1e d2 b9 b1 80 bd 44 a7 b4 61 26 b7 c5 02 80 e7 18 4f 15 cc
 ba c3 19 84 ea 37 aa b3 4a f7 d9 2f aa bd b5 14 e5 57 a3 1d 37 d4 f9 c4 eo 87 02 e2
 13 45 cb co 14 e3 2b 97 17 f1 2f 20 18 7b 19 be 02 54 bc 80 ff 83 de 25 e8 06 8e ob
 7c 4e 55 27 b3 19 65 b6 54 98 9c 31 49 75 9f f7 4d a6 34 2c ca d7 a7 d3 74 d1 8c 65
 88 e5 38 36 ef 03 59 bc 66 do 66 3c 2e 5d 69 1b f8 dc co 1b b9 5c ab 85 b3 09 bf
 52 a7 f7 46 f8 6e 40 01 e5 3f 25 6b 7b 7e 66 9b 43 1c 45 4a 3b fb b2 od 24 ao 90 b1
 5a 44 5d 85 79 od 44 bd f7 da a4 50 63 02 03 01 00 01

SHA256 thumbprint:

C273FAD043930EB4F5F5202F5A92EAD935157FDD73E29F807A95BoE42C16oF9g

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural (o) = o.4.o.194112.1.o

- 58 This service is referred to as “Healthcare Professionals Qualified Certificates”. The service issues certificates for nonrepudiation and authentication to healthcare regulated personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n.
- 59 The set of documents describing the service is [13], [38], and [63].

Social Welfare and Healthcare Professional Qualified Certificates

- 60 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI

Serial No.: 03 od 46 (hex)

Valid from: 3. May 2018 12:24:51

Valid to: 2. May 2038 12:24:51

Certification Authority: CN = VRK CA for Social Welfare and Healthcare Prof. Certs, OU = Sosiaali- ja terveydenhuollon ammattivarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

30 82 02 0a 02 82 02 01 00 a9 47 fd 86 65 a2 44 88 6a e8 53 eb a9 8b 6e 1a 96 ec
 d5 7d 50 ce 31 2c 61 d5 f1 d1 41 87 e8 c5 91 c8 df f9 70 fb 4b 9d eb fo c9 f9 9c 17 16
 00 23 16 62 4a 92 49 61 5e c4 35 15 be fe be b7 93 23 f6 16 51 69 5f 95 15 b7 b7 eo
 84 90 75 3d 8f 23 32 4f 5b 7c d9 72 e5 05 9f 46 48 61 09 10 83 08 60 db 90 ao 6c
 9a 3e 7d 9c 31 50 96 5f d1 d9 32 82 96 7f 9c 9b 6d e5 32 28 56 d5 a4 b2 87 52 fc ba
 8a a4 0a d8 35 df fd 4e 1b 17 1a of ec oe do ee a9 61 56 29 99 38 bb 10 ab 74 69
 oe 67 94 f8 c9 a2 58 fb f5 c9 54 co 9a of 94 15 43 e6 17 39 48 72 72 23 02 f6 e8 81
 9f e2 ad 15 33 b1 7a 9b ca 76 53 ef 38 co fe 70 1e 44 9d 01 71 38 26 29 co db 2f d7
 b7 4c 15 05 36 b4 3f 75 4f 2b e8 ce d1 f7 1d 59 28 co 1a 22 c2 a5 97 01 52 38 78 ae a3
 ad 61 ea ec ce 5f 9e 80 03 fo df 38 co eb 54 f4 od 7a 5d 4b 3c d3 c1 e7 2f 9c 76 9e
 4d aa 9c 79 dd cf 56 24 be 49 88 ed b8 ef c4 ae b3 69 b3 c3 ca f3 d9 d5 93 b6 f4 e1

01 30 55 06 f9 29 c7 4f 67 f1 fc 33 of 31 77 c5 d1 13 02 07 a1 00 d7 39 46 06 66 ba
bc eg ff 92 1d b4 8e e2 6c 45 42 2e 83 b2 oc d5 d6 00 90 1b 06 88 oe 9c cf c1 18 c3
68 1a 6a 14 af 83 e1 2f c3 94 84 7c 8a b5 od de a2 57 8c f3 af ef a5 69 56 44 67 ac
1d f9 ac 82 07 ee 30 04 a0 d7 b8 7e 60 8d 1e 04 83 3e 2f fb oc 2c 53 94 1d 26 ed ea
c5 4a 88 85 2d 3e 12 62 9a 47 92 80 a6 7e c5 27 14 f8 89 ac bc 27 5b 6d e3 ae 8a 1a
a7 3d 8a cb 1b 65 53 be 04 bo 6c d9 2a 25 a4 30 d4 8a 31 41 63 29 a6 2c 19 af b2 1b
33 4a 8b 43 f6 d3 31 9d a0 13 d1 00 f1 b1 c3 5c 37 b1 b9 5d 70 8f 39 e3 72 91 fe 67 4c
8a 6e d1 ob 3a 02 b5 4d d3 99 57 24 e8 ac 3c c5 97 02 03 01 00 01

SHA256 thumbprint:

oE839EE68B1EEF721D31E62E589E692Co318oFAADADE48A71837C2509oB3ACC4

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = 0.4.0.194112.1.2

- 61 This service is referred to as “Social Welfare and Healthcare Professional Certificates”.
The service issues certificates for nonrepudiation and authentication to social welfare
and healthcare regulated personnel, where the private signing keys reside in a secure
signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 62 The set of documents describing the service is [12], [37], and [62].

Social Welfare and Healthcare Professional Qualified Certificates - G2R

- 63 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU =
Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a39f3adfaaffabco1ffd3e62ea6 (hex)

Valid from: 25. May 2021 13:41:08

Valid to: 20. May 2041 14:11:08

Certification Authority: CN = DVV Social Welfare and Healthcare Prof.
Certificates - G2R, OU = Sosiaali- ja terveydenhuollon ammattivarmenteet, O =
Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

30 82 02 0a 02 82 02 01 00 b5 5a b4 5d 75 fo df 45 2c 78 ff 3a cf be b1 da 89 52 ae
1f 4a aa af 35 e9 98 b4 a9 59 99 71 49 29 3d 51 94 4a 7d 71 28 4e 71 51 8c 9c 12 79
db d7 57 67 7e 98 a3 b9 b4 52 78 6f e1 95 34 ce 53 fd 2a 5e fb 39 ad 88 e5 03 fo fe
25 c6 e3 7a ba fc 81 36 16 aa 7c d4 31 5f ff a4 a1 61 78 3c 82 54 9f a6 ab 96 d9 65 ee
43 d9 ed ef 2b 8d 7d fc 82 43 4e 60 21 f8 74 2f 42 9a 59 2e 26 8c eb 97 co b2 64 24
e5 2f dd 6c e3 e5 15 80 71 3c 33 45 6b 63 40 1d 9e 90 48 48 b7 fe c1 34 71 f6 88 8a
4f 10 c7 58 cb d5 17 53 19 45 c9 c3 83 c7 da 66 20 8f 50 f1 03 a7 63 8a 02 bb 71 ob
4e d2 58 bf 46 24 82 71 b5 ad 79 41 b3 bf 45 4a d1 65 79 54 f4 ce ba 63 8b 70 32 e6
9c 3c oc 3a 10 b6 2d 6c 69 d8 d3 d8 92 63 82 57 62 a1 oa c4 20 6a d3 c8 e4 9d 22
27 4c 99 ac 7d 81 68 74 48 16 d1 ee a9 2e o8 66 1e cb b2 cf b3 e1 b8 e3 96 21 e4 ed
7a 4a a5 f9 7e c5 01 44 2c 1c af 16 fb 83 e4 ba 74 59 oa 4a 93 24 30 1e 2a 99 b3 c4

60 73 1a 43 1b 7e 90 7b f6 f2 7e 7e 5d ce dd 9d 2a 80 5d d4 5e 79 4f a4 64 60 50
 40 bd 4d dc 34 of b7 aa 7d 7f bb dd 23 64 1e 73 9c 21 9c a8 77 c7 73 7c 04 f3 91 8b
 f2 57 05 oc 98 81 of 10 8c 9d 3b a5 53 1e 62 cc 87 62 82 50 bc e8 eb d2 a8 f3 1e 45
 7a 9f eb 22 cd cc 6b 9f 3e 55 b4 25 df 61 d6 74 bo a8 c4 d9 6a af 1b 72 7f 62 9a 3d
 a9 5f 20 2e 11 e4 83 f3 7b 68 6e 54 42 31 bc 52 84 34 44 79 2e a1 b6 60 e2 83 68 f1
 5c 63 91 51 56 e5 8e e6 28 44 d3 fb b9 fo d3 da d8 25 71 c5 74 ff e4 62 a6 ab ed 56
 53 ec 84 91 b3 6c 8d 74 2e fd 4e 57 22 07 06 bo 6b 08 ao 1a a2 4b ff 68 of 8e c9
 84 e6 c6 72 39 6e b3 10 e5 60 e2 e7 bf co of 50 5d 31 85 02 03 01 00 01

SHA256 thumbprint:

6073359DE6BDFBF83874CBD53D4BDE3D8165A8E7A9F772Fo2A7C6A48A8E7B77
 B

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 64 This service is referred to as “Social Welfare and Healthcare Professional Certificates - G2R”. The service issues certificates for authentication and nonrepudiation to social welfare and healthcare regulated personnel, where the private keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 65 The set of documents describing the service is [14], [39], and [64].

Social Welfare and Healthcare Professional Qualified Certificates - G2E

- 66 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI
- Serial No.: 0179a3a1683ec94b58d9233e0e78aa (hex)
- Valid from: 25. May 2021 13:41:41
- Valid to: 20. May 2041 14:11:41
- Certification Authority: CN = DVV Social Welfare and Healthcare Prof. Certificates - G2E, OU = Sosiaali- ja terveydenhuollon ammattivarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI
- Information on Algorithm: sha384ECDSA
- Public key (ASN.1-notation): ECDSA_P384, 384 bits
- 04 84 dc 74 67 6c 04 a4 df 9a 99 49 c4 89 96 1d 21 14 bc 9c 91 c4 12 19 5b f5 3b fd
 e1 b3 b6 5e 26 75 09 dd 06 f4 9f d7 8d ce 8c b3 48 96 86 8c 82 81 84 cd co 07 16
 1f fc 21 oc be 85 38 fb 7b 44 25 fe 72 35 ec f8 a1 64 fe df b5 eo 23 05 ef ob 05 oa 86
 24 1a 8e e7 e4 d6 bc ae 7e e3 71 62 1b
- SHA256 thumbprint:
- A155B9FB8A372683A3825054F9A5265C55430A68616BAD8A1726E70F09F95A26
- Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-
 policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 67 This service is referred to as “Social Welfare and Healthcare Professional Certificates - G2E”. The service issues certificates for authentication and nonrepudiation to social welfare and healthcare regulated personnel, where the private keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 68 The set of documents describing the service is [14], [39], and [64].

Social Welfare and Health Care Service Providers Certificates

- 69 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI
- Serial No.: 01 af 8b (hex)
- Valid from: 7. December 2015 11:21:01
- Valid to: Montag, 18. Dezember 2023 15:51:08
- Certification Authority: CN = VRK CA for Social Welfare and Health Care Service Providers, OU = Sosiaali- ja terveydenhuollon palveluvarmenteet, O = Vaestorekisterikeskus CA, C = FI
- Information on Algorithm: sha256RSA
- Public key (ASN.1-notation): 4096 bits
- ```

30 82 02 0a 02 82 02 01 00 c4 66 57 fd 60 b9 8f d3 6c 64 68 f1 0a 26 41 37 85 fe
db c9 8b 9f f5 4d a4 68 4d 80 5f 59 ef e4 a3 45 eo d1 da 07 fb 9c od 5d 9b 02 58
6e a3 4d b6 86 05 ec 73 11 od ob f1 c5 de ac 19 a3 9c 7b 6b f3 4b d6 eb 08 8c c3 e5
8d 6d 49 f8 9e 28 2a 31 1b 58 f8 7e 7e 82 24 4a 8b 7e 3d 9e 4e 0a e5 4d 69 a6 3e
58 83 f2 8e 5e 04 eg 7e 6a 02 e6 fa ad 85 26 aa c9 6d ba b5 79 48 82 28 8a 6d bo
6b 5a 66 60 9a 3b fa fb cf f5 86 1a 44 69 e3 3c 82 77 36 3c ee 6d od c1 e3 87 27 24
8b ee 95 74 41 43 f5 do 8e a1 06 dc c9 25 7c 8a 05 a5 54 cc 48 a4 9c 09 70 9e 94
6b cd d8 1d c4 9a 5e 90 06 19 20 27 fe d8 6a 45 e7 6a 53 ac bo co 9c 6a db 15 23
47 1c c6 5d a4 93 ef a4 00 47 56 72 7e 6b 56 d2 od 1d cb 29 ad eg cc b7 ce 28 5a 96
58 14 oe 51 42 fc db 00 7b 5a c3 ce b8 d5 e1 ab 9c 2c c1 78 oa 73 do 41 2b 73 80 8e
6a 55 58 4f 92 64 of db f6 c5 18 b2 9d e3 42 26 e4 b4 e7 c1 5d ce 5c 7d 56 00 27 75
ce a6 f9 86 ed ba 05 fb ae 09 33 62 98 ca 21 2c 96 c9 e2 d7 fe 1c fe 66 53 04 11 df
e7 51 80 4f f9 f5 56 f1 d2 1c ba 00 73 9e 46 ae bo f5 5b bo 1e 04 2d 51 54 03 98 1e
f6 1b fo 2d ef e6 2d 72 bd 1a ad 79 98 8e 83 f7 8e db a4 eg 1a e7 99 5a 7d 88 b8 ca
41 ff c8 3b 45 d5 c1 38 03 eo 83 2a e2 84 53 1e 32 6a b5 b1 ac c9 51 51 29 97 12 98 f2
13 07 6f 3a 8c 3e 05 eo 9c 5e 59 ad db 98 b9 4c 90 8f 3e e4 8a b2 21 80 55 65 2e
40 8c 31 05 ee 30 d9 1d f9 cc 8d 05 ba dc a8 4e a9 f2 d5 70 41 41 50 72 37 49 3f 09
00 of 54 e2 5b 37 91 ao 26 70 9b ee oe 08 42 ea 76 d8 f4 1a 88 25 b2 16 ag af 4e
eg 6a 46 9d 28 20 06 d5 05 42 5a ef 02 3a ad d9 23 cf 06 10 d6 df ag d3 02 03 01
00 01

```
- SHA256 thumbprint:
- ```

7DCA925E39E2A45C8E61FAEB7D9A8701DBA0D29FFEE9797465207CFA0FCB4B
01

```

Applied policy: itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = 0.4.0.2042.1.7

- 70 This service is referred to as “Service Certificate for the Social Welfare and Healthcare Sector”. The service issues certificates for website authentication to registered social welfare and healthcare providers, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP.
- 71 The set of documents describing the service is [15], [50], [51], and [69].

Social Welfare and Health Care Service Providers Certificates – G2

- 72 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = VRK Gov. Root CA - G2, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, C = FI
- Serial No.: 03 od 47 (hex)
- Valid from: 3. May 2018 12:37:17
- Valid to: 2. May 2038 12:37:17
- Certification Authority: CN = VRK CA for Social Welfare and Healthcare Service Providers - G2, OU = Sosiaali- ja terveydenhuollon palveluvarmenteet, O = Vaestorekisterikeskus CA, C = FI
- Information on Algorithm: sha512RSA
- Public key (ASN.1-notation): 4096 bits
- ```

30 82 02 0a 02 82 02 01 00 bf 92 83 c8 ed 45 d7 ef 27 d4 be 42 59 c2 38 84 ba cc
d5 od b6 ef ff d7 e2 12 ba 04 88 1b 93 24 64 85 9d 21 42 30 b7 95 49 d4 fc f7 8b f8
df 85 6f 40 a2 27 dc 04 6b 00 9d 67 98 fb 4d d2 43 5f c9 d3 e6 a2 7a b7 e7 68 83
ef a5 f6 1f dc 27 98 97 28 ac b6 98 36 e0 2b 33 c0 30 b1 cf 00 7d 27 fo 98 9d 8f b6
56 e9 58 32 24 14 28 05 3a ef f9 d6 35 33 e0 d9 7f 47 c0 77 30 68 4f 5f f3 ff dd 9d
77 4f e2 c6 19 bc 8b 79 b7 01 a7 11 62 82 8e dc 59 54 fa ff e8 a8 4c d5 4a 59 ab fa
95 78 34 5c 64 07 f5 5f ef df aa 79 7a 98 22 ba od 4a ce f3 f7 c4 39 e7 ca 79 c5 f6
8a of 82 6f 5c 3b 2a 1b a1 d3 c6 17 be 95 e0 a0 93 46 5c 08 3e d9 d1 72 6f 30 a3 d1
69 b8 66 40 62 oe 33 5c 29 d8 f2 b9 37 d5 bf c1 83 c7 33 6b 9c ba f1 58 e8 6e b7 35
d2 06 b9 71 7a cc 89 29 f5 95 d1 39 e6 ad 65 6e bf d3 94 38 da 8c ca ee 22 20 45 f5
fb 10 a1 66 5b a8 42 51 31 cc 74 cd 8b 5e a7 62 ce 95 e4 91 8e 26 34 43 50 bo ao ce
67 ob oa 9a ab 26 82 2c 24 cc 33 88 2c ae ce 14 d4 38 a6 70 5b ob 4d 52 e9 92 a6
30 e3 3f fe 62 f4 38 23 6f 15 5f 9a e3 74 8f cf 89 08 e9 f1 3e 11 09 05 31 3c 4f 32 53
3a b8 73 52 13 b6 ao 54 64 b3 89 df 36 e7 38 22 bc 73 oe a4 61 b6 a8 76 da 53 39 38
57 eb 42 1c 07 88 f7 01 ac 47 72 4e 9d 3b d9 e4 a6 6e ab 22 a8 2d 25 bb cd 52 db 24
b5 f4 13 23 83 26 75 do 71 19 f4 bb b6 23 49 98 39 e2 cf 71 76 of 5a cf a6 d4 84 40
87 f8 42 46 97 of 91 bb 56 f1 fa fe 90 d9 ca 30 73 ff 06 a5 a1 17 3e 32 43 05 f4 ea 15
ag e6 6f 92 ec dc ac 1b e6 03 96 b6 8b bo f4 61 63 7c f3 74 bo 91 53 f6 df 9c ca ce
75 85 17 89 77 17 49 f7 1b 3e d6 02 84 ae 7e bf 4f e5 02 03 01 00 01

```
- SHA256 thumbprint:
- A6B34F7BoE87446362BB1A2BF3EE95DD56D8BA97A9FFBo3DF41031377ECDD6F8

Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = o.4.o.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = o.4.o.2042.1.7

- 73 This service is referred to as “Social Welfare and Healthcare Service Providers - G2”. The service issues certificates for website authentication to registered social welfare and healthcare providers, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.
- 74 The set of documents describing the service is [16], [52], [53], and [71].

### Social Welfare and Health Care Service Providers Certificates - G3R

- 75 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a3a6e94664d8c5feg7c2aegdca (hex)

Valid from: 25. May 2021 13:43:57

Valid to: 20. May 2041 14:13:57

Certification Authority: CN = DVV Social Welfare and Healthcare Service Certificates - G3R, OU = Sosiaali- ja terveydenhuollon palveluvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```

30 82 02 0a 02 82 02 01 00 e3 dd 50 f4 d3 e2 1c a3 7b d4 4e fb 4c c9 cc db bo 50
d2 fb f8 07 9d 44 6c 60 56 06 09 15 c2 67 14 0a 77 dc e8 45 a6 ob a4 b7 d7 93 86
b7 73 a4 ff f6 10 2f 2b 10 d1 2a 25 c7 69 5e db a3 3e 27 cf a7 f1 fd b9 46 42 d7 a8 79
55 46 8f 92 f6 eb 7e 3c 5d 7e 6b dd ea d1 a6 d3 40 83 72 92 eo eo co c6 f1 78 82 49
b6 40 c3 ed od 80 65 41 fo df 4b d8 88 93 ad de 4f e8 95 42 ob 6a 9c 6d o4 5e fa
76 29 08 oc 96 73 10 f1 44 59 3a e7 09 f1 54 9d 7c df a7 2b f9 31 b2 6a d7 5f ef 56
07 6b 96 9c 9b af af de c3 37 01 37 11 5c b9 59 9b b3 72 c5 8c 76 e5 od c8 95 dc e6
of 8b dd 9f b9 e9 6e 4d d8 43 f3 a4 a5 a8 5d 16 d2 d9 38 8e f5 f9 cf af 2a 15 oe 2f
ad 3f 6f 18 5f fe b2 14 fa 10 60 6c 86 2c ce 70 c6 99 00 43 85 bd cf ad 67 2e 84 c9
57 96 ad 1c 22 84 ae 21 ab 51 08 9c f1 19 ed 46 65 d3 a8 de 5f 25 3c 2f 59 c8 13 c1 f1
ba 5e 50 76 97 e7 ea ce 30 bo f3 4a ob 48 67 7c bc 97 4c 7c aa 27 ee 92 46 ff b2 f7
6c 5e b5 30 a4 69 93 26 a1 d5 bf c3 3a 5b bd de 2d 1c 71 b5 f1 bd c7 53 84 dd 1e fa
ed 71 81 8f ee ef 32 9a 95 56 dd 3a 55 20 1e 81 b9 bb 68 32 f6 07 8a bc 84 d1 bb ff
10 b6 4f 4c 00 6c e6 c6 61 33 83 9f 5f cc 78 de c1 3e ae dc 7a 74 fo 28 ea 46 77 2d
a9 c5 ce 7f aa 82 fd 6c ab 7e 92 e4 c4 f7 a2 ca ba 43 e6 57 e9 47 22 81 08 35 1b 2d
eo d1 30 13 89 6d f3 42 fo af 3f 9a 16 f1 20 b5 5b 49 4d a9 a9 ef 8c e4 c6 7c a6 60
ea 09 50 3b 7a 2d c5 72 co 8e c5 55 ed a8 c5 40 d8 9e 19 97 65 e8 09 53 9b f3 03
e8 5f c9 b5 63 27 38 57 co 81 7c oc 46 2b 9d 4a 94 9e 69 a5 c7 d4 ba 6e 97 97 73
bf 41 bc 2b f5 a6 46 51 3d e6 96 ff 4f 96 87 2f 54 f5 a7 5d o2 o3 o1 oo o1

```

SHA256 thumbprint:

9D433C237C3AEE7A676C9A2ED4ECCB9E40ED17914655571624FoA89969B634B  
F

Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = o.4.o.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = o.4.o.2042.1.7

- 76 This service is referred to as “Social Welfare and Healthcare Service Certificates - G3R”. The service issues certificates for website authentication to registered social welfare and healthcare providers, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.
- 77 The set of documents describing the service is [17], [48], [49], and [70].

### Social Welfare and Healthcare Service Providers Certificates - G3E

- 78 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = DVV Gov. Root CA - G3 ECC, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI
- Serial No.: 0179a3a8d9ce45add46f9d72bbc99b (hex)
- Valid from: 25. May 2021 13:44:24
- Valid to: 20. May 2041 14:14:24
- Certification Authority: CN = DVV Social Welfare and Healthcare Service Certificates - G3E, OU = Sosiaali- ja terveydenhuollon palveluvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI
- Information on Algorithm: sha384ECDSA
- Public key (ASN.1-notation): ECDSA\_P384, 384 bits
- 04 6f 81 5b 83 39 c6 c4 64 7c 2e c6 2a 75 47 fe 51 do 55 27 ec 7c c3 5a 5c d8 b1 25  
40 a7 46 1f 7c 4c 39 b9 fb 1d 46 d7 97 ba 48 86 cd d6 c9 o6 7e bo 9a 7b 90 6b 72  
f9 b4 61 3b f9 72 ed a2 fd ea a3 o5 67 83 5c 39 b3 84 8f 9f 52 6f 95 b5 69 cf af 7e  
11 od ob f9 95 83 73 3d dd 9d 9f 67 fb ed
- SHA256 thumbprint:
- A5C53CF6843A395E6EC244E9B27D58413295428DED97586FD4F67AA4AB8D49A  
0
- Applied policies: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-web (4) = o.4.o.194112.1.4 AND itu-t(o) identified-organization(4) etsi(o) other-certificate-policies(2042) policy-identifiers(1) ovcp (7) = o.4.o.2042.1.7
- 79 This service is referred to as “Social Welfare and Healthcare Service Certificates - G3E”. The service issues certificates for website authentication to registered social welfare and healthcare providers, according to ETSI EN 319 411-1 V1.3.1 (2021-05), OVCP and ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-w.

- 80 The set of documents describing the service is [17], [48], [49], and [70].

### Qualified Temporary Certificates – G2

- 81 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 02 02 ac (hex)

Valid from: 3. May 2018 14:09:59

Valid to: 18. December 2023 15:51:08

Certification Authority: CN = VRK CA for Temporary Certificates - G2, OU = Tilapaisvarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha256RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 d7 fa 78 oe cd 74 cd 27 d7 4b 21 38 of 12 3e 27 72 4a 8a
4b 5a 51 00 72 6c b2 8d a6 co 45 dd f9 11 b3 60 99 b1 55 d5 2b 32 84 ce 67 cb 02 a3
ab f2 48 do 18 35 00 e7 ed 3b 12 fc 01 39 2e e5 33 00 06 10 af do 9e 30 41 5d 43 97
da b4 52 f5 b6 5f a5 8d cf 23 5e c7 ac 93 7a ad 4c aa e5 5e d4 8d 22 7c ad b1 ea cb
59 bo co dc 4f e6 bf db 1e eo 7e cc c4 69 ed 63 fd 2b c3 oc 3d 73 22 2c 52 c8 c2 5f
da 13 a5 30 12 aa de c2 37 of db 86 aa oe 5e 91 6c 79 8e f7 2c 64 eo 65 54 6e 1c 4c
33 24 ce 52 3f 97 c8 1f 11 fe bf f9 60 2f c1 d7 ff c7 ob 3d 4c db aa cf e2 8e 2c c1 d4 42
3c 67 cb f9 oe 37 d5 63 21 70 9a ba 81 fb 09 b3 12 63 05 c5 25 9e aa 5a 57 58 08 e9
f1 03 cc ca 5e 34 2e ba 03 6e e7 19 b1 ac 35 7a 99 67 50 c1 08 8e 66 74 81 00 bd 32
fa b3 3f a1 ob 06 b8 43 4f e8 6b da 67 16 76 67 7e 86 81 ec 8d 70 2e 10 99 fc 1a 9b
66 78 7b cd 1c 31 46 4a 71 6c b8 b4 8e 77 1a 84 5f 83 20 8c c8 29 57 8a b4 4a f7 c4
41 b8 10 19 3b e8 2a f9 eo ca 58 ed 6d 93 5f 09 17 d1 od ae 93 76 41 of a5 60 8e a3
e2 2f of e3 9b 5a eo 82 4f a3 48 1a da 12 ad 71 c5 05 5f d4 08 14 co e5 3c b8 95 ec
6f ba a3 38 aa 4b ob c6 e9 7d 30 9f a3 e5 62 a6 23 b2 76 bb d4 ef 60 03 od co 36
8e a3 ee 34 29 7c 86 f1 f7 f4 ec 74 7c 84 46 c1 58 02 77 8d 96 1e 04 oe 9a 2a 40 ef
4d a4 02 46 e4 co a3 97 eb 69 03 c3 16 79 43 db 73 ob f8 7d b5 64 bo 26 of 5e 9c
47 03 fa 51 52 oe 97 23 48 cb 4f f8 e7 63 35 41 95 od 57 33 12 18 6f e8 22 a6 11 3b f7
7d a6 f8 7f aa 79 8b bf 04 04 c5 ce 81 od bb 54 03 2f 59 3b 03 4e c9 6a 8c od be
25 91 a1 54 c6 b1 73 7e 13 23 bd 5f c2 de 70 eo db 02 03 01 00 01
```

SHA256 thumbprint:

```
Co1BoD65Eo87050D2F88BB14351C8A573044C1E16EoDE5CC562693A2CD8ADAF
D
```

Applied policy: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 82 This service is referred to as “Temporary Certificates - G2”. The service issues certificates for nonrepudiation and authentication to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel,

where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.

- 83 The set of documents describing the service is [10], [35], and [60].

### Qualified Temporary Certificates – G3R

- 84 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI

Serial No.: 0179a3978c5aee5f5d9606cedfc144 (hex)

Valid from: 25. May 2021 13:35:03

Valid to: 20. May 2041 14:05:03

Certification Authority: CN = DVV Temporary Certificates - G3R, OU = Tilapaisvarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI

Information on Algorithm: sha512RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 9b 7f 1f 1f a4 56 c8 58 73 89 5c d7 f9 7d 1c ed 04 3c oc
ed e5 22 d7 20 a6 fe 56 5a b7 a4 8e 09 73 35 b3 5f 3f 36 60 10 ff 2c 07 8f ca 49 b4
ce 1f 41 db 95 e1 61 3f dd 79 33 72 56 29 b1 7c ac 39 6d 76 47 7d d8 cd 15 79 49 4e
79 93 8a 18 4b c8 0b bf fa 9f 3a 77 fb ca 2f 3d bf 77 ec 4e 6e 12 1f 7a 6a 7a 64 62 2a
2f 48 84 07 do 60 2d 17 00 fc 23 1f 07 63 37 fa 18 43 03 d1 56 1e 1f 7a f8 9b 7d 80
5b 3f da 3b c3 eo 69 36 40 3f 66 66 7c 33 6b fe e4 f3 ao 2e cb 75 b5 db fb 34 9d 7f
a4 b7 38 8c f8 oa 6a fa a4 2e 73 80 95 30 46 d5 66 03 78 12 ff 53 d7 ao 15 b7 03 90
b3 49 e2 c1 ac 79 72 2a ab 34 86 8a 8b e1 a4 37 c5 ff 46 99 c1 6b b4 5f a3 eb 41 b1
42 4b 43 eb cc bb c9 ae e8 ac f4 b8 a6 09 ce 64 ed 76 75 9d ec a9 39 c2 37 97 86
70 2c f3 63 c6 e3 08 d2 bd bf 36 c2 fe 39 69 do 3d 56 a8 96 87 1c 15 e8 3d 7a 2d c7
9e 29 6b 05 3e 9f f5 fo e8 76 4c 91 65 f7 af 84 77 31 c6 c7 8b 6a 6d 09 dc 48 e2 5f
ef f3 24 2f 09 01 f5 bf oa 3a 39 01 a1 02 44 bf 06 89 ea c6 db 9a 3d df 2b 2f oc cb
ca 5f 64 ce 4d 62 4a b4 7b e5 6e 8c bo d5 56 ao 2a af 8a ae 6f 05 2d ee a3 od 38
3e d6 89 fd ac ab ba 28 a6 da 98 oe 44 95 8d a5 b2 cd c5 7a 7f a3 99 82 55 37 26
d2 9d fe 71 do 7a cf 45 84 23 7e 3a d1 31 25 77 37 42 21 c7 80 26 b7 82 3a 6d b1 75 ff
f8 35 88 7a 42 aa 2d 67 20 00 a6 de ce 60 20 8f 81 cf d8 29 73 c6 ed 8f d8 f9 97
06 28 6a 45 f2 6e fo 1e a4 d4 fe 25 fb 27 b6 38 00 bb 08 bo 66 08 ee dc e6 7e b3
a9 29 12 84 5e 01 01 40 dd 27 d9 1d 30 c5 5a a5 ef 97 94 51 20 e8 78 06 6f 9e 6f 69
ac 28 66 c5 of f5 77 ao e6 23 df 93 14 co c4 4e 21 48 a5 5b 02 03 01 00 01
```

SHA256 thumbprint:

428089726472CA75A47F8E011AEB6483036973C72CF05478953B2FC2E012B731

Applied policy: itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = 0.4.0.194112.1.2

- 85 This service is referred to as “Temporary certificates - G3R”. The service issues certificates for authentication and nonrepudiation to organisational personnel, healthcare non-regulated personnel and healthcare national operator personnel,



where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.

- 86 The set of documents describing the service is [11], [36], and [61].

### Qualified Temporary Certificates for Social Welfare and Healthcare Professionals

- 87 The full annual audit covered the service provided under the CA certificate:

Issuer: CN = VRK Gov. Root CA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Vaestorekisterikeskus CA, S = Finland, C = FI

Serial No.: 02 02 ad (hex)

Valid from: 3. May 2018 14:19:36

Valid to: 18. December 2023 15:51:08

Certification Authority: CN = VRK CA for Social Welfare and Healthcare Prof. Temp. Certs, OU = Sosiaali- ja terveydenhuollon tilapaisammattivarmenteet, O = Vaestorekisterikeskus CA, C = FI

Information on Algorithm: sha256RSA

Public key (ASN.1-notation): 4096 bits

```
30 82 02 0a 02 82 02 01 00 b6 93 bc d7 b8 08 51 f1 73 67 41 79 d8 2a a4 c2 d6 dd
b3 60 97 60 05 68 f9 67 58 44 1b 1a 5b 39 9e 28 11 18 c1 2b 08 3d 6d 4c cc f9 fo 5e
07 cf 95 62 35 28 fd 24 01 79 cf d6 3b 40 2f 6c 81 02 4f 3c 84 97 60 f8 da 2b 98 2c
d1 21 6b db 41 f4 fb 88 c7 5f 92 36 18 84 fo 08 ao 28 ab 97 dc 6e fe fc 4b e7 c5 7f
0e 00 86 6c 75 45 15 05 f3 b7 62 of 71 e2 97 5e ce a4 ef b4 ce oc b4 ao ea c3 19 8c
76 33 cb ec 13 02 a4 af fb 5f 36 e1 3b 17 47 06 5c oe 38 6a 52 4e a4 63 ba ag eg 98
59 92 b4 e7 7a d9 05 cc 51 46 04 16 1a f4 4f 96 cf d7 oe d7 6c 3c 52 ec fa fd 1b 28
8f e3 8b 7f 24 fo 9e eb e4 6f 6d f3 eb b8 05 6d a6 54 f6 92 2e 5a 90 7b 92 02 85
94 5b 53 20 37 co fa dd 1e e1 06 9c 18 86 b3 a2 41 f9 b5 b4 e5 31 dd 3a 19 92 15 28
35 34 a2 6e 6a 45 12 87 14 co f4 44 52 4b 29 bf dd f1 ea f1 26 81 5a 9c 21 b8 28 b7
8b d1 96 cf 23 e6 7c 98 f5 3e b9 5a 03 1c eo 77 18 d2 ff 3d oa b9 b2 4e 21 86 e2 do
9c 7a 3a 20 36 e7 3b d2 do ea 65 05 ed ac 99 57 ec 3d c5 87 05 eo of 14 56 5b 94
a3 4e c4 5a da cf ff 52 co 7f f2 6e 71 c2 6a e6 09 fd ea 64 40 ed 30 bb 70 e7 1d 25
od b4 c7 c3 36 d1 ac 1f cc 91 bb 46 aa 8f oe c8 1d e7 15 34 27 d5 ee ba 08 35 3b 67
07 85 36 c4 b9 8f 50 12 04 c9 5c a3 d7 c4 ao 73 9d d4 84 3b 17 22 9d 22 34 92 4a c6
d7 53 b8 fd fc 82 9e 6c 21 32 fd e3 ae 85 05 97 b3 f1 5f ef 4c 41 72 26 31 65 d3 be 78
cb 10 ab c4 ba 98 62 80 81 58 58 64 4a 3f 83 af 1b 6e 70 77 d3 01 fo 8e 3f e8 59 16
56 28 8f 10 ob 3e 23 46 ca c1 52 40 08 8a 69 3e e5 21 ca 73 b9 82 30 eb 62 1d 69 dd
7a 63 57 2c d2 6a af c6 92 a3 47 c8 9b 9c 9d 8e 45 e8 e3 02 03 01 00 01
```

SHA256 thumbprint:

```
61F660851B6A5524DEFoCB9E9EA56F688A80oDF9EA1829CC6Do2982o72B1AF
A5
```

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 88 This service is referred to as “Temporary certificates for social welfare and healthcare professionals”. The service issues certificates for authentication and nonrepudiation to social welfare and healthcare regulated personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 89 The set of documents describing the service is [18], [40], and [65].

### Qualified Temporary Certificates for Social Welfare and Healthcare Professionals - G2R

- 90 The full annual audit covered the service provided under the CA certificate:
- Issuer: CN = DVV Gov. Root CA - G3 RSA, OU = Varmennepalvelut, OU = Certification Authority Services, O = Digi- ja vaestotietovirasto CA, C = FI
- Serial No.: 0179a3a390119317475e07e2dd4fc8 (hex)
- Valid from: 25. May 2021 13:38:35
- Valid to: 20. May 2041 14:08:35
- Certification Authority: CN = DVV Social Welfare and Healthcare Prof. Temp. Certificates - G2R, OU = Sosiaali- ja terveydenhuollon tilapaisammattivarmenteet, O = Digi- ja vaestotietovirasto CA, C = FI
- Information on Algorithm: sha512RSA
- Public key (ASN.1-notation): 4096 bits
- ```

30 82 02 0a 02 82 02 01 00 ac 7f 46 a2 98 f4 12 ae 6c 63 1b a5 be ea 9b a9 26 oe
a1 af f3 df 49 3f 6b 2b b2 fo 20 50 45 1a dc c4 87 9b e1 30 59 97 05 d8 6e e4 6e 65
oa ce 36 21 28 e5 1c 08 ef 41 58 13 3c 92 e8 6d ba 17 45 31 d7 d3 dc dc bc 83 34 80
fd d2 84 5e 09 70 6f 49 f7 c3 86 68 eo 5d 61 15 19 e8 b3 cd 05 ao 84 do 7a 40 86
5d 12 2a 7c 17 18 dd 46 20 03 85 d9 do 18 9d o8 ao 03 ao eo 40 ff 23 c4 b5 9d 73
19 e6 90 82 71 42 58 6d cc f5 d2 fe 4f 2c be 2a 73 fe 36 33 6f 8e 58 of 07 91 bc 8c
4c 98 do c1 b3 5f a3 87 d9 b7 c4 c9 66 47 f6 1e e3 db 4b d9 a7 38 f3 80 fa fo a9 d5
77 b4 18 2b 93 36 bc ac fc b3 5b de dc 97 59 5a ba 7d 65 96 ea f6 ae 52 a4 1e 78 9f
58 db dd d1 c8 de ef 4a 3a 44 b8 ce be a2 3e c1 f8 6b 4b 51 2b ea a3 3b 3d 45 68 73
78 52 d6 7d e5 1c be 1f 89 f9 a1 fe 8c 4e e4 47 74 9b a6 ba b3 4b f1 co aa bc 6a 3d
bf da 40 c4 31 c1 72 82 56 56 c6 2b f9 a1 4c 88 3d 33 b1 75 36 a9 2c da 1c a3 26 9b
2a 2a 1a e9 c9 do cd 18 03 68 1d 4d 1a b7 b8 93 3d 4e 97 fe 17 e7 a8 fa d7 oa 2e 64
87 65 6b a9 10 a3 01 a8 b7 45 6f d1 of d2 30 21 4f 51 c2 14 9d 88 2f 6a 9d e9 a5 06
46 do 98 bd f2 19 oe 7f 13 12 57 a5 4b 88 7b 2b 3d ab 60 c6 bc d4 24 86 03 9e 48
5a 44 c8 cd d2 57 c5 8d eo 7e e1 89 do f7 8f f3 16 4e f1 44 14 2f 47 36 7f 90 do 19
b8 49 af 66 1a 5a a9 32 e9 5d e6 bd e7 01 1a 45 co c8 53 9b 09 of ec 96 76 40 35
19 1b 8f 73 3a 05 d2 f3 af 2c 23 05 11 5b 21 3b f7 43 90 16 a2 61 3e 51 7f 73 19 e7 9b
f3 74 9b 4c do 88 2f 7f e7 3e 61 82 37 cd 9e f6 eb 99 f6 3a bo 94 do 74 e4 ao c3 85
fc 14 9a ff 20 47 02 b4 b8 c5 f5 3c 03 1d 30 ad fe 9c 29 00 45 02 03 01 00 01

```
- SHA256 thumbprint:
- 6E73C6A3422AE3BB37AF6D3933092A1F6959C09EB17FoA7E14F539665F50C949

Applied policy: Itu-t(o) identified-organization(4) etsi(o) qualified-certificate-policies(194112) policy-identifiers(1) qcp-natural-qscd (2) = o.4.o.194112.1.2

- 91 This service is referred to as “Temporary certificates for social welfare and healthcare professionals - G2R”. The service issues certificates for authentication and nonrepudiation to social welfare and healthcare regulated personnel, where the private signing keys reside in a secure signature creation device, according to ETSI EN 319 411-2 V2.3.1 (2021-05), QCP-n-qscd.
- 92 The set of documents describing the service is [19], [41], and [66].
- 93 The audit was completed successfully without critical findings.
- 94 For contact information, see page 2.

End of Audit Attestation