



## SUOMI/FINLAND (FINLAND) : Trusted List

Tsl Id: id\_for\_enveloped\_signing\_of\_the\_entire\_list

Valid until nextUpdate value: 2021-01-29T00:00:00Z

## TSL Scheme Information

<b>TSL Id</b>	<i>id_for_enveloped_signing_of_the_entire_list</i>
<b>TSLTag</b>	<i>http://uri.etsi.org/19612/TSLTag</i>
<b>TSL Version Identifier</b>	<i>5</i>
<b>TSL Sequence Number</b>	<i>37</i>
<b>TSL Type</b>	<i>http://uri.etsi.org/TrstSvc/TrustedList/TSLType/EUgeneric</i>

### Scheme Operator Name

**Name** *[ en ]* *Finnish Transport and Communications Agency Traficom*

**Name** *[ fi ]* *Liikenne- ja viestintävirasto Traficom*

**Name** *[ sv ]* *Transport- och kommunikationsverket Traficom*

### PostalAddress

**Street Address** *[ en ]* *P.O. Box 313*

**Locality** *[ en ]* *Helsinki*

**Postal Code** *[ en ]* *00561*

**Country Name** *[ en ]* *FI*

### ElectronicAddress

**URI** *[ en ]* *mailto:kirjaamo@traficom.fi*

**URI** *[ en ]* *https://www.traficom.fi/en*

### Scheme Name

**Name** *[ en ]* *FI:Trusted list including information related to the qualified trust service providers which are supervised by the issuing Member State, together with information related to the qualified trust services provided by them, in accordance with the relevant provisions laid down in Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC.*

### Scheme Information URI

**URI** *[ en ]* *https://www.traficom.fi/en*

**Status Determination Approach** *http://uri.etsi.org/TrstSvc/TrustedList/StatusDetn/EUappropriate*

### Scheme Type Community Rules



**Issuer C:** *LU*

**Subject T:** *Professional Person*

**Subject E:** *maarten.ottoy@ec.europa.eu*

**Subject SERIAL NUMBER:** *10304444110080837592*

**Subject GIVEN NAME:** *Maarten Joris*

**Subject SURNAME:** *Ottoy*

**Subject CN:** *Maarten Joris Ottoy*

**Subject OU:** *0949.383.342*

**Subject O:** *European Commission*

**Subject L:** *BE*

**Subject C:** *BE*

**Valid from:** *Thu Sep 15 11:00:12 CEST 2016*

**Valid to:** *Sun Sep 15 11:00:12 CEST 2019*

**Public Key:**
  
30:82:01:22:30:0D:06:09:2A:86:48:86:F7:0D:01:01:01:05:00:03:82:01:0F:00:30:82:01:0A:02:82:01:01:00:B2:52:7E:4D:BD:D2:D7:A5:64:80:3C:5E:D2:FA:D3:B2:FC:CE:AE:63:C5:27:E6:C3:6D:D9:CF:CF:3A:CF:CE:1E:F7:1F:63:E8:21:05:7C:23:17:51:1F:7C:D5:64:BB:64:4A:AB:08:30:DF:E7:72:44:12:35:78:EA:B6:97:BA:F4:CF:D7:60:25:DE:34:CC:1E:DA:FE:9C:4C:D7:44:AC:0D:3E:35:30:90:79:89:04:58:13:89:10:EF:71:46:03:AD:68:5C:3E:77:D1:F6:0D:CF:10:80:F5:D5:97:CD:0E:34:2F:EC:1D:A4:F6:EB:56:D7:E0:8B:EA:51:4D:94:97:A1:C6:45:D9:51:E9:BA:23:C4:55:EC:47:3C:7B:7A:F2:B5:FF:1B:CA:58:1E:0E:F3:99:83:84:04:F2:EC:8E:34:00:C1:BA:DS:6:4:82:9B:F5:8A:60:93:06:F8:CE:26:85:83:AS:19:7A:63:1F:46:D9:7B:4B:4E:14:5A:38:E1:39:45:23:67:ED:B5:EA:27:BD:57:A7:0C:49:7C:E0:FB:90:A8:F4:75:52:5C:F7:6A:A2:83:61:32:B3:92:85:32:3B:23:30:E3:6B:7A:D7:01:CC:3A:4E:4B:CF:0E:06:44:A4:22:59:EF:71:C2:C7:3F:83:5A:75:BB:0F:62:6E:5C:C7:A5:02:03:01:00:01

**Basic Constraints** *IsCA: false*

**Authority Info Access**
  
*http://qca.ocsp.luxtrust.lu*
  
*http://ca.luxtrust.lu/LTGQA3.crt*

**Certificate Policies**
  
*Policy OID: 1.3.171.1.1.10.3.1*
  
*CPS text: [LuxTrust Qualified Certificate on SSCD compliant with ETSI TS 101 456 QCP+ certificate policy. Key Generation by CSP. Sole Authorised Usage: Support of Qualified Electronic Signature.]*
  
  
*CPS pointer: https://repository.luxtrust.lu*
  
*Policy OID: 0.4.0.1456.1.1*

**QCStatements - crit. = false**
  
*id\_etsi\_qcs\_QcCompliance*
  
*id\_etsi\_qcs\_QcSSCD*

**Authority Key Identifier** *63:8F:C2:8B:03:B1:AB:8E:D8:53:47:96:1D:99:A8:7D:F6:AC:A8:75*

**CRL Distribution Points** *http://crl.luxtrust.lu/LTGQA3.crl*

**Subject Key Identifier** *47:C3:B1:09:01:B1:82:2B*



**Subject L:** BE

**Subject C:** NL

**Valid from:** Thu May 11 12:27:25 CEST 2017

**Valid to:** Mon May 11 12:27:25 CEST 2020

**Public Key:**  
30820122300D06092A864886F70D01010105000382010F003082010A0282010100AB61BBD20FD3B32B7C9E22353D76078089BA6BA0DA0C1D804D932C331912D5F9578E43CD31DFDE46A3F1B3F8816CA80EA20657F1988384004968D15B15A90538C0AB137028D12747A53E146EB885C96C79895FC39C89F13CC0B34773EBCEEB37095CBB6212873BDD6DFAE3EBB9678B09FD0814C57C37ADAS8A0F74E156DCEA9C63C79CAA2A28FB241D288CC80CD0830FD5210663245F0F880D747A0BAFC204BF054EA2A79334DC3A063993C1BC8B77A0BF02FE181ED77B2DA3854D897FCD1727D9FD7616A3B824C88D4792F17C1C916CC9942507BCB23B42D3F868EDC1B7056BAEB0B51EFCBB50206093FEESD7745F6A2AE3A23C34373A97E124884495A24FA70203010001

**Basic Constraints** IsCA: false

**Authority Info Access**  
<http://qca.ocsp.luxtrust.lu>  
<http://ca.luxtrust.lu/LTGQCA3.crt>

**Certificate Policies**  
 Policy OID: 1.3.171.1.1.10.3.1  
 CPS text: [LuxTrust Qualified Certificate on SSCD compliant with ETSI TS 101 456 QCP+ certificate policy. Key Generation by CSP. Sole Authorised Usage: Support of Qualified Electronic Signature.]  
 CPS pointer: <https://repository.luxtrust.lu>  
 Policy OID: 0.4.0.1456.1.1

**QCStatements - crit. = false**  
 id\_etsi\_qcs\_QcCompliance  
 id\_etsi\_qcs\_QcSSCD

**Authority Key Identifier** 63:8F:C2:8B:03:B1:AB:8E:D8:53:47:96:1D:99:A8:7D:F6:AC:A8:75

**CRL Distribution Points** <http://crl.luxtrust.lu/LTGQCA3.crl>

**Subject Key Identifier** 40:F6:1A:7C:B8:9D:8F:D9

**Key Usage:** nonRepudiation

**Thumbprint algorithm:** SHA-256

**Thumbprint:** 59:A1:BF:29:0B:81:8B:17:7A:D6:1A:C4:B3:E6:DC:DD:D4:6D:A6:D5:BE:95:79:F8:56:4A:DE:A6:F2:CF:07:3E

## EU TSL digital identities

### TSL Scheme Operator certificate fields details

**Version:** 3

**Serial Number:** 138577062902447122524563464486164876026













Valid from: Wed Mar 07 17:01:43 CET 2018

Valid to: Sun Mar 07 17:11:00 CET 2021

Public Key: 30820122300d06092a86486f70d01010105000382010f003082010a0282010100a7464c880df9e564433ca7d4db3e8d91c3816231528d1011b53ccA6C6EBE9449394...

Authority Info Access http://trust.quovadisglobal.com/qvbecag2.crt http://uw.ocsp.quovadisglobal.com

Subject Key Identifier CF:1D:A2:3D:BF:EF:E3:E9:3E:F1:14:EA:43:A4:D0:3B:72:D2:14:F3

Authority Key Identifier 87:C9:BC:31:97:12:7A:73:BB:7E:C0:3D:45:51:B4:01:25:95:51:AB

Certificate Policies Policy OID: 1.3.6.1.4.1.8024.1.400

CPS pointer: http://www.quovadisglobal.com/repository

Policy OID: 0.4.0.194112.1.3

CRL Distribution Points http://crl.quovadisglobal.com/qvbecag2.crl

Extended Key Usage id\_kp\_clientAuth - Unknown ExtendedKeyUsage OID: 1.3.6.1.4.1.311.10.3.12

QCStatements - crit. = false id\_etsi\_qcs\_QcCompliance

id\_etsi\_qcs\_QcSSCD

Key Usage: digitalSignature - nonRepudiation

Thumbprint algorithm: SHA-256

Thumbprint: 43:55:04:BF:D8:02:ED:F4:DB:08:CB:D7:C7:72:9A:0D:45:B2:27:79:7B:72:7E:4E:6E:A1:D3:16:84:16:63:42

EU TSL digital identities

TSL Scheme Operator certificate fields details

Version: 3

Serial Number: 21267647932558803542992831893320696944

X509 Certificate

-----BEGIN CERTIFICATE----- MIHGAzCBCE=awBAGjQEAA... -----END CERTIFICATE-----

**Signature algorithm:** *SHA1withRSA*

**Issuer SERIAL NUMBER:** *201508*

**Issuer CN:** *Citizen CA*

**Issuer C:** *BE*

**Subject SERIAL NUMBER:** *67022330340*

**Subject GIVEN NAME:** *Jean-Marc*

**Subject SURNAME:** *Verbergt*

**Subject CN:** *Jean-Marc Verbergt (Signature)*

**Subject C:** *BE*

**Valid from:** *Fri May 01 20:54:54 CEST 2015*

**Valid to:** *Sat Apr 26 01:59:59 CEST 2025*

**Public Key:**  
30820122300D06092A864886F70D010105000382010F003082010A0282010100B06E77FD7C9710B99DCED865486730843E9F75408EB154D88388CE61C7489E9A30049  
838C60E94BCTB5C3AE36E87F323865A46E2636C17488B046165CD0C85E928667C7AFA08FCFDBD6AA3647288D5D9C169663FA87204927FE7F67309F7CFF90687D90  
8E81E1E4B922BA05A4006FCF15A2D160F75B8C1234AC9E46831A18EB70D3B880E374B87E30F38E4293606A2B8EF20E8FA52D09FAD9A8F8D383EF36DA416111CFF  
DC8AA4A7D87C77D8B20837E9990920DE62C4A974B5D0AC5FE6CF6D7248E2D3B2134443525E7FA23004168E58B8E68A4A8FC793331DA4992C9CC3D0EE33905C  
E09E9F355C60EA107669E77C1283CB99E5047C1148D4DF135B0203010001

**Authority Key Identifier** *6A:6F:51:E5:CC:27:5D:65:09:EE:A8:1B:12:94:03:F0:40:A0:08:F2*

**Authority Info Access**  
*http://certs.eid.belgium.be/belgiumrs3.crt*  
*http://ocsp.eid.belgium.be/2*

**Certificate Policies**  
*Policy OID: 2.16.56.10.1.1.2.1*  
*CPS pointer: http://repository.eid.belgium.be*  
*CPS text: [Gebruik onderworpen aan aansprakelijkheidsbeperkingen, zie CPS - Usage soumis Å des limitations de responsabilitA©, voir CPS - Verwendung unterliegt HaftungsbeschrÄnkungen, gemÄss CPS]*

**CRL Distribution Points** *http://crl.eid.belgium.be/eidc201508.crl*

**QCStatements - crit. = false**  
*id\_etsi\_qcs\_QcCompliance*  
*id\_etsi\_qcs\_QcSSCD*

**Key Usage:** *nonRepudiation*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *54:00:AB:71:2C:41:AA:F0:C4:0B:50:5E:26:4D:54:94:D8:AF:41:80:F8:F6:29:55:D1:62:23:B3:29:0F:97:C3*

## EU TSL digital identities

### TSL Scheme Operator certificate fields details



**Certificate Policies***Policy OID: 2.16.56.12.1.1.2.1**CPS pointer: <http://repository.eid.belgium.be>**CPS text: [Gebruik onderworpen aan aansprakelijkheidsbeperkingen, zie CPS - Usage soumis à des limitations de responsabilité, voir CPS - Verwendung unterliegt Haftungsbeschränkungen, gemäss CPS]**Policy OID: 0.4.0.194112.1.2***CRL Distribution Points***<http://crl.eid.belgium.be/eidc201803.crl>***Extended Key Usage***id\_kp\_emailProtection***QCStatements - crit. = false***id\_etsi\_qcs\_QcCompliance**id\_etsi\_qcs\_QcSSCD***Key Usage:***nonRepudiation***Thumbprint algorithm:***SHA-256***Thumbprint:***D2:06:4F:DD:70:F6:98:2D:CC:51:6B:86:D9:D5:C5:6A:EA:93:94:17:C6:24:B2:E4:78:C0:B2:9D:E5:4F:84:74***TSL Type***<http://uri.etsi.org/TrstSvc/TrustedList/TSLType/EUlistofthelists>***Scheme Territory***EU***Mime Type***application/vnd.etsi.tsl+xml***Scheme Operator Name****Name***[ en ]**European Commission***Scheme Type Community Rules****URI***[ en ]**<http://uri.etsi.org/TrstSvc/TrustedList/schemerules/EUlistofthelists>***List Issue Date Time***2020-07-29T01:00:00Z***Next Update****date Time***2021-01-29T00:00:00Z***Distribution Points****URI***<https://dp.trustedlist.fi/fi-tl.xml>*

## 1 - TSP: Digital and Population Data Services Agency

### TSP Name

**Name** [ en ] *Digital and Population Data Services Agency*

**Name** [ fi ] *Digi- ja vaestotietovirasto*

**Name** [ fi ] *DVV*

### TSP Trade Name

**Name** [ en ] *Population Register Centre*

**Name** [ fi ] *Vaestorekisterikeskus*

**Name** [ fi ] *VRK*

**Name** [ en ] *NTRFI-0245437-2*

**Name** [ en ] *Vaestorekisterikeskus CA*

**Name** [ en ] *Population Register Centre*

**Name** [ fi ] *Vaestorekisterikeskus*

**Name** [ fi ] *VRK*

### PostalAddress

**Street Address** [ en ] *P.O.Box 123*

**Locality** [ en ] *Helsinki*

**Postal Code** [ en ] *00531*

**Country Name** [ en ] *FI*

### ElectronicAddress

**URI** [ en ] *mailto:kirjaamo@dvv.fi*

**URI** [ en ] *https://www.dvv.fi/*

### TSP Information URI

**URI** [ fi ] *https://dvv.fi/tietoa-virastosta*

**URI** [ en ] *https://dvv.fi/en/about-the-agency*



## 1.1 - Service (granted): VRK Gov. CA for Citizen Qualified Certificates

<b>Service Type Identifier</b>	<i>http://uri.etsi.org/TrstSvc/Svctype/CA/QC</i>
<b>Service type description</b> [en]	A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.
<b>Service Name</b>	
<b>Name</b> [en]	VRK Gov. CA for Citizen Qualified Certificates
<b>Service digital identities</b>	
<b>Certificate fields details</b>	
<b>Version:</b>	3
<b>Serial Number:</b>	100505
<b>X509 Certificate</b>	<pre> -----BEGIN CERTIFICATE----- MIIFDCCBHgAwIBAgIDAYZMAOGCSqGSIb3DQEBAQUAMIGMQswCOYDVOQGEwJGSTEOMA4GA1UE CBHRmlubGZuZDEhMB8GA1UECMyVmFkZ3RvcmlvZmVzXN0ZCjpa2Zva3VzIEhBNBMSkwJwYDVOQGEw JGSTEOMA4GA1UEAxAQVHIEhhdidmipwKcBQQAaFw09wMzAxMTA5MTU5MDVodWw0TAAMKzMI4 MzBhMIGhMQswCOYDVOQGEwJGSTEOMA4GA1UECByMHRmlubGZuZDEhMB8GA1UECMyVmFkZ3Rvcmlv ZmVzXN0ZCjpa2Zva3VzIEhBNBMSQWglYDVQQLExR3YXV0aWw0GhbnNhbG9pczZhem1lbmZlZC5ocnZl RmVBR0VHIEhhdidmipwKcBQQAaFw09wMzAxMTU5MDVodWw0TAAMKzMI4MzBhMIGhMQswCOYD VOQGEwJGSTEOMA4GA1UECBAQEFwagEKAoIBAQCSAJ527okDHOuKQOU=BG1FUs0x08Qw2z3Nmg V7yOKYRwiC7aAbwae7Lzq8APGidR=Pf0N3XQnWwWyzC2krw=IQq5YjCpYKbnciAIG6IQSAB oXSeV6eSCKWkC6mIpfKcXN1Rl0y9XW1U4H4vYVpccp9p9K95=7IQYCDXUk16cmIEip NQZIRFpaqLEfmQp2ubgyZAHVTFBb7T66pw=LzA V P Y B C y U G 7 a J H S h u l R a s Y 8 w 3 B F B B x CHfsc7uK49kQmNGhQA7C2h3V5KPsrsuz0ummeHk0b53wgvk9t6m0l0p8qumyY49V6eZ AgEMBAAGggHfMIBuzsSBzVYHfMBAEBCDAGAHAgEAMBECCWCSAGCFEBAQOEAWIBBjCBByYD VR0BHHdHJAMIG9BkggXaEBOEKAQEFwagEwYOGCCSGAQUFBwICMlgadIZhem1lbmZlZC5ocnZl aWtrYSBvdzYWF0YXZpKkadhCQgQ2VjY0t1maWidkBWb2xpY3kgZmlubmMglSBZDZlOjIwZyZpY ZSBwZ2xyY3RgaXNlY3ZuWzA5YmVzYmVzYmVzYmVzYmVzYmVzYmVzYmVzYmVzYmVzYmVzYmVz AgEwGmb0dHAGL3B343uzZmlhZWJlLnZpLn2wczEwMEICCSGAOUFBwIEBBDYwNDYBgggBGFEBQcw Ao1maHR0cDovL3B3b3h3LmZpbnVpZC5maS9Y592cmY8290Y55cmQwDgYDVRR0AQUHBAQAgIHG MB8GA1UdIwQ1MB8AFNpZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZl L3B3b3h3LmZpbnVpZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5ocnZlZC5 slpTYAobBcwDQYJKoZIhvcNAQEFBQADggEBAE3x09p00=0R0VTKS78K11sqE8duUwLsoevdB HfMIBuzsSBzVYHfMBAEBCDAGAHAgEAMBECCWCSAGCFEBAQOEAWIBBjCBByYDVR0BHHdHJAM yp8Ez0z28vTILBD34YQyp14u7ph5aY2zybKjSAo5lah1329MNZAGoNv=jMKa1Nlkg pysVEAsZ4RkRk43Ezhs4WyxTER=ulC1l0QngKOSjWGGGhOAb13mP9YASBR70NdvobYF zwUOQ=800882hwZA=2CDFR9VqC7vBMCP0CvL6EYccwIQ8=ulQ8AEjE3AQvTNgUW8= -----END CERTIFICATE----- </pre>
<b>Signature algorithm:</b>	SHA1withRSA
<b>Issuer CN:</b>	VRK Gov. Root CA
<b>Issuer OU:</b>	Varmennepalvelut
<b>Issuer OU:</b>	Certification Authority Services
<b>Issuer O:</b>	Vaestorekisterikeskus CA
<b>Issuer ST:</b>	Finland
<b>Issuer C:</b>	FI
<b>Subject CN:</b>	VRK Gov. CA for Citizen Qualified Certificates
<b>Subject OU:</b>	Valtion kansalaisvarmentee
<b>Subject O:</b>	Vaestorekisterikeskus CA
<b>Subject ST:</b>	Finland

<b>Subject C:</b>	<i>FI</i>
<b>Valid from:</b>	<i>Fri Jan 10 13:59:05 CET 2003</i>
<b>Valid to:</b>	<i>Wed Jan 09 13:58:30 CET 2019</i>
<b>Public Key:</b>	<small>30820122300D06092A864886F70D01010105000382010F003082019A0282010100B9023E76EE89710C73AD910414F811B5154B34C4ECBC430DB3DCD9A057BC8E9184708B00BB806EF0B27BBD76A8C00F1A20DAF8E7F437F3F340DCA7596CB30B692BBFE7D0A0B96231B2A516E7BD88004466C94123C1A17E7C795EAC7790962CA18CA35807C6C5CD53A2FD8FDE54962D41F8C5B62F42DFA8C5FA6D8096CAE44FBBD4E602F032F4294EB19A511FB8F35067545FDE9AA09447E64233F6E2E6D0832DD900755314187BAD3EBAA70F8BE730153D8042C941BBA0DD5C74BD86E9516B863C37045441C5B0A11EC73BB6E2A4F64426346850009EC2749C7757990FB2B067B3B4EB078A67812A80795F7C20BE4F5FEB89FAD09A74AAE9A765897D57AA190203010001</small>
<b>Basic Constraints</b>	<i>IsCA: true - Path length: 0</i>
<b>Certificate Policies</b>	<i>Policy OID: 1.2.246.517.1.10.1.1</i> <i>CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available http://www.fineid.fi/cps1]</i> <i>CPS pointer: http://www.fineid.fi/cps1/</i>
<b>Authority Info Access</b>	<i>http://proxy.fineid.fi/ca/vrkrootc.crt</i>
<b>Authority Key Identifier</b>	<i>DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0</i>
<b>CRL Distribution Points</b>	<i>http://proxy.fineid.fi/arl/vrkroota.crl</i>
<b>Subject Key Identifier</b>	<i>88:5A:6F:1D:42:47:82:86:FD:D7:E9:0D:B2:57:CF:4D:50:28:04:17</i>
<b>Key Usage:</b>	<i>digitalSignature - nonRepudiation - keyCertSign - cRLSign</i>
<b>Thumbprint algorithm:</b>	<i>SHA-256</i>
<b>Thumbprint:</b>	<i>36:C5:EB:DE:1D:6A:9A:0E:D4:E6:6B:61:4A:0C:7A:21:7A:07:7D:C6:38:EE:70:4F:BF:66:68:44:3B:59:54:B1</i>
<b>Service Status</b>	<i>http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted</i>
<b>Service status description</b>	<i>[en] undefined.</i>
<b>Status Starting Time</b>	<i>2016-06-30T22:00:00Z</i>
<b>Service Supply Points</b>	
<b>Service Supply Point</b>	<i>http://ocsp.fineid.fi/vrkqcq</i>

**1.1.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation**

<b>URI</b>	<i>[ en ]</i>	<i>http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures</i>
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**1.1.2 - Extension (critical): Qualifiers [QCForESig]**

<b>Qualifier type description</b>	<i>[en]</i>	<i>undefined.</i>
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**Criteria list assert=all**

**Key Usage** [ nonRepudiation ] true

**Description** Citizen qualified certificates for generating electronic signatures. Certificate private keys are stored on a smart card.

**1.1.3 - History instance n.1 - Status: undersupervision**

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service Name**

**Name** [ en ] VRK Gov. CA for Citizen Qualified Certificates

**Service digital identities****X509SubjectName**

**Subject CN:** VRK Gov. CA for Citizen Qualified Certificates

**Subject OU:** Valtion kansalaisvarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject ST:** Finland

**Subject C:** FI

**X509SKI**

**X509 SK I** iFpvHUUHgob91+kNslfPTVAoBBc=

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/undersupervision>

**Status Starting Time** 2003-03-31T10:00:00Z

**1.2 - Service (granted): VRK Gov. CA for Citizen Qualified Certificates - G2**

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service type description** [ en ] A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.

**Service Name**

**Name** [ en ] VRK Gov. CA for Citizen Qualified Certificates - G2

**Service digital identities**



**Certificate Policies**

Policy OID: 1.2.246.517.1.10.21.1

CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
http://www.fineid.fi/cps21]

CPS pointer: http://www.fineid.fi/cps21/

**Authority Key Identifier**

DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0

**CRL Distribution Points**

http://proxy.fineid.fi/arl/vrkroota.crl

**Subject Key Identifier**

C1:AF:1D:8A:5F:1D:9A:87:0D:82:10:FC:9D:DD:F5:B0:1E:70:D3:B5

**Key Usage:**

digitalSignature - nonRepudiation - keyCertSign - cRLSign

**Thumbprint algorithm:**

SHA-256

**Thumbprint:**82:63:C4:EC:2B:EF:EB:26:BD:D8:33:F7:78:73:CC:8E:C5:9D:93:4A:16:28:2C:2B:08:48:CD:A2:A  
F:DA:8E:B5**Service Status**

http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted

**Service status description**

[en]

undefined.

**Status Starting Time**

2016-06-30T22:00:00Z

**Service Supply Points****Service Supply Point**

http://ocsp.fineid.fi/vrkqc2

**1.2.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation****URI**

[en]

http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures

**1.2.2 - Extension (critical): Qualifiers [QCForESig]****Qualifier type description**

[en]

undefined.

**Criteria list assert=all****Key Usage**

[ nonRepudiation ]

true

**Description**

Citizen qualified certificates for generating electronic signatures. Certificate private keys are stored on a smart card.

**1.2.3 - History instance n.1 - Status: undersupervision****Service Type Identifier**

http://uri.etsi.org/TrstSvc/Svctype/CA/QC

**Service Name**

**Name** [ en ] VRK Gov. CA for Citizen Qualified Certificates - G2

**Service digital identities****X509SubjectName**

**Subject CN:** VRK Gov. CA for Citizen Qualified Certificates - G2

**Subject OU:** Valtion kansalaisvarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

**X509SKI**

**X509 SK I** wa8dil8dmocNghD8nd31sB5w07U=

**Service Status**

<http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/undersupervision>

**Status Starting Time**

2014-01-08T11:00:00Z

**1.3 - Service (granted): VRK CA for Qualified Certificates****Service Type Identifier**

<http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service type description** [ en ] A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.

**Service Name**

**Name** [ en ] VRK CA for Qualified Certificates

**Service digital identities****Certificate fields details**

**Version:** 3

**Serial Number:** 100506



**CRL Distribution Points** <http://proxy.fineid.fi/arl/vrkroota.crl>

**Subject Key Identifier** *54:1A:02:37:8F:8E:63:DF:8F:F0:30:23:4A:A8:FC:67:57:F0:53:A8*

**Key Usage:** *digitalSignature - nonRepudiation - keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *AE:75:B2:00:65:5E:16:AF:C6:35:01:2C:99:FE:50:3D:C0:70:EA:CA:88:A3:62:E8:2F:D7:40:EA:3C:F3:68:5E*

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted>

**Service status description** [en] *undefined.*

**Status Starting Time** *2016-06-30T22:00:00Z*

### Service Supply Points

**Service Supply Point** <http://ocsp.fineid.fi/vrkqc>

#### 1.3.1 - Extension (critical): additionalServiceInformation

##### AdditionalServiceInformation

**URI** [en] <http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures>

#### 1.3.2 - Extension (critical): Qualifiers [QCForESig]

**Qualifier type description** [en] *undefined.*

**Criteria list assert=all**

**Key Usage** [nonRepudiation] *true*

**Description** *Qualified certificates for generating electronic signatures. Certificate private keys are stored on a smart card.*

#### 1.3.3 - History instance n.1 - Status: undersupervision

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

### Service Name

**Name** [en] *VRK CA for Qualified Certificates*

### Service digital identities

#### X509SubjectName





**Issuer OU:** *Varmennepalvelut*

**Issuer OU:** *Certification Authority Services*

**Issuer O:** *Vaestorekisterikeskus CA*

**Issuer ST:** *Finland*

**Issuer C:** *FI*

**Subject CN:** *VRK CA for Qualified Certificates - G2*

**Subject OU:** *Organisaatiovarmenteet*

**Subject O:** *Vaestorekisterikeskus CA*

**Subject C:** *FI*

**Valid from:** *Thu Nov 21 14:20:58 CET 2013*

**Valid to:** *Sun Dec 17 22:59:59 CET 2023*

**Public Key:**  
30820222300D06092A864886F70D01010105000382020F003082020A0282020100BE09C9CC730B594B8DB469AA1E12CFD7C4419633FEAD2F98FCFF86A89B7BE2629B07  
0A7C7A21762E124E79AE001E0F06E3309C74ADCD31077D95B17435F96978640E04D99B3C1A9F893F8B7B4494F3E8B85FA75083E501A8C86BEA1774B4741660B982  
8D72A20373390ABF0C03A0E8E58BDBDDCBAA1B32DA28C426CC4CCDD18793E600ED25CC0E77674160A475E681857C448222F73D43E983226A7C2A0DBF49DE29A  
67ED3519AA2E7F36CD00C04E472BB8A433AB03AA15D9A621B5F20F2BEA771F91C64690C3FE5E41880BBD4E301970256B58EC763E88E443E89C75389644DA37  
E5408E11759B2E9EFAAC5E0C2A1E90C193A2CEDC87F18B697C8F39A2085473A7A7B716758765B10594CE954D692BF071C7C9DA97BE164F7D3D4F38941C6DB59  
685B833CD96BACBB357E7D7E47829382965ECC00A13D6484D259FC09EC3432BB168C4B2F14A6D73E24A44E9FA3E293E0B0E34A0BDD1A44D0D9AC3C777E1E105  
AB05CBEFE849778C62A9D09AA0E0D26034CBEFE24905E0615F723A61CA69E7F659819A3CC5D3C55E179882E46E89706F5DEFAE658545DD968DA456FB9BCFE136EE3  
3AF84779053AA14B9FC9DECF87E3209EF74660A1E94629898D7BB37E76F13A2B4D3D9A21542313392C7C564C03FC82E985DA4CB952106F131F973F07A40710C8921  
806837802613966F2E5DD40F08AED23A0BD4A29A93D6090203010001

**Basic Constraints** *IsCA: true - Path length: 0*

**Authority Info Access** *http://proxy.fineid.fi/ca/vrkrootc.crt*

**Certificate Policies**  
*Policy OID: 1.2.246.517.1.10.21.2*  
*CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
http://www.fineid.fi/cps22]*  
*CPS pointer: http://www.fineid.fi/cps22/*

**Authority Key Identifier** *DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0*

**CRL Distribution Points** *http://proxy.fineid.fi/arl/vrkrootc.crl*

**Subject Key Identifier** *56:A9:57:AF:D6:31:7E:71:D6:2D:BA:0E:E3:EE:8A:13:14:CA:29:D7*

**Key Usage:** *digitalSignature - nonRepudiation - keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *A5:DF:C5:AD:09:B2:F6:6A:68:EF:0F:B3:B4:BD:AA:42:AA:3A:DD:6F:3E:7B:BF:CB:DF:D2:7F:  
C7:CC:D9:F3:D8*

**Service Status** *http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted*

**Service status description** *[en] undefined.*

**Status Starting Time** 2016-06-30T22:00:00Z

## Service Supply Points

**Service Supply Point** <http://ocsp.fineid.fi/vrkqc2>

### 1.4.1 - Extension (critical): additionalServiceInformation

#### AdditionalServiceInformation

**URI** [ en ] <http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures>

### 1.4.2 - Extension (critical): Qualifiers [QCForESig]

**Qualifier type description** [ en ] undefined.

**Criteria list assert=all**

**Key Usage** [ nonRepudiation ] true

**Description** Qualified certificates for generating electronic signatures. Certificate private keys are stored on a smart card.

### 1.4.3 - History instance n.1 - Status: undersupervision

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

## Service Name

**Name** [ en ] VRK CA for Qualified Certificates - G2

## Service digital identities

### X509SubjectName

**Subject CN:** VRK CA for Qualified Certificates - G2

**Subject OU:** Organisaatiovarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

### X509SKI

**X509 SK I** VqIXr9YxfnHWLboO4+6KExTKKdc=

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/undersupervision>



**Subject ST:** *Finland*

**Subject C:** *FI*

**Valid from:** *Wed Oct 27 13:41:26 CEST 2010*

**Valid to:** *Sun Dec 17 20:59:59 CET 2023*

**Public Key:**  
30820122300D06092A864886F70D01010105000382010F003082010A0282010100AF 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 D0 25 08 1E D2 B9 B1 80 BD 4A A7 B4 61 26 B7 C5 02 80 E 7 18 4F 15 CC BA C3 19 84 EA 37 AA B3 4A F7 D9 2F AA BD B5 14 E5 S7 A3 1D 37 D4 F9 C4 E0 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 0B 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 D0 66 3C 2E 5D 69 1B F8 DC C0 1B B9 5C AB 85 B3 09 BF 52 A7 F7 46 F8 6E 40 01 E5 3F 25 6B 7B 7E 66 9 B 43 1C 45 4A 3B FB B2 0D 24 A0 90 B1 5A 44 5D 85 79 0D 44 BD F7 DA A4 30 63 02 03 01 00 01

**Basic Constraints** *IsCA: true - Path length: 0*

**Certificate Policies** *Policy OID: 1.2.246.517.1.10.1.7*  
*CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available http://www.fineid.fi/cps6]*  
*CPS pointer: http://www.fineid.fi/cps6/*

**Authority Info Access** *http://proxy.fineid.fi/ca/vrkrootc.crt*

**Authority Key Identifier** *DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0*

**CRL Distribution Points** *http://proxy.fineid.fi/arl/vrkroota.crl*

**Subject Key Identifier** *CD:1B:7F:D6:56:5F:06:F5:0A:29:32:5E:EA:2D:6C:9C:26:58:00:12*

**Key Usage:** *digitalSignature - nonRepudiation - keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *C2:73:FA:D0:43:93:0E:B4:F5:F5:20:2F:5A:92:EA:D9:35:15:7F:DD:73:E2:9F:80:7A:95:B0:E4:2C:16:0F:99*

**Service Status** *http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted*

**Service status description** *[en] undefined.*

**Status Starting Time** *2016-06-30T22:00:00Z*

**Service Supply Points**

**Service Supply Point** *http://ocsp.fineid.fi/vrkhcp*

### 1.5.1 - Extension (critical): additionalServiceInformation

#### AdditionalServiceInformation

**URI** *[ en ] http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures*

**1.5.2 - Extension (critical): Qualifiers [QCForESig]**

**Qualifier type description** [en] undefined.

**Criteria list assert=all**

**Key Usage** [ nonRepudiation ] true

**Description** Qualified certificates for generating electronic signatures. Certificate private keys are stored on a smart card.

**1.5.3 - History instance n.1 - Status: undersupervision**

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service Name**

**Name** [en] VRK CA for Healthcare Professionals Qualified Certificates

**Service digital identities****X509SubjectName**

**Subject CN:** VRK CA for Healthcare Professionals Qualified Certificates

**Subject OU:** Terveysdenhuollon ammattivarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject ST:** Finland

**Subject C:** FI

**X509SKI**

**X509 SK I** zRt/1lZfBvUKKTJe6i1snCZYABI=

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/undersupervision>

**Status Starting Time** 2010-12-01T11:00:00Z

**1.6 - Service (granted): VRK Gov. CA for Citizen Certificates - G3**

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service type description** [en] A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.

**Service Name**



**Subject Key Identifier** 83:29:6B:5F:FF:C3:EC:F4:3F:48:D5:9A:A5:9E:C9:C6:D8:34:D9:C2

**Certificate Policies** Policy OID: 1.2.246.517.1.10.201.1  
 CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
<http://www.fineid.fi/cps31>]  
 CPS pointer: <http://www.fineid.fi/cps31/>

**Basic Constraints** IsCA: true - Path length: 0

**CRL Distribution Points** <http://proxy.fineid.fi/arl/vrkroot2a.crl>

**Authority Info Access** <http://ocsp.fineid.fi/vrkroot2c>  
<http://proxy.fineid.fi/ca/vrkroot2c.crt>

**Key Usage:** keyCertSign - cRLSign

**Thumbprint algorithm:** SHA-256

**Thumbprint:** 39:A8:35:B1:4B:6B:63:13:F7:78:37:1C:79:CB:43:4D:D5:18:C8:FD:32:5B:74:9D:9B:E6:69:DF:F2:03:84:E8

**X509SubjectName**

**Subject CN:** VRK Gov. CA for Citizen Certificates - G3

**Subject OU:** Valtion kansalaisvarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

**X509SKI**

**X509 SK I** [gylrX//D7PQ/SNWapZ7Jxtg02cI=](http://proxy.fineid.fi/arl/vrkroot2a.crl)

**Service Status**

<http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted>

**Service status description** [en] undefined.

**Status Starting Time**

2019-02-18T22:00:00Z

**Service Supply Points**

**Service Supply Point** <http://ocsp.fineid.fi/vrkqc3>

**1.6.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation**





**Issuer O:** Vaestorekisterikeskus CA

**Issuer C:** FI

**Subject CN:** VRK CA for Organisational Certificates - G3

**Subject OU:** Organisaatiovarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

**Valid from:** Thu May 03 12:12:46 CEST 2018

**Valid to:** Sun May 02 12:12:46 CEST 2038

**Public Key:**  
30820222300D06092A864886F70D01010105000382020F003082020A02820201008A687B439D96C38B59C2F5F9E24964B239F1B92860E3E7D3A465BEB308D0F18B D0FED  
C0C42CDA75DD2A288616B48B7E89B1343E6E2B0E20A8B36C7F2EEF3F5B61B E4493B02F48EA1FCAD44FA9B41D52219198ED65D94C1E31333D5864DC557DD5E7217  
0A051A0EA2F2CA95FD5D07B0108FD4E21CCAD0579DFA52B09872613C36D0DB8ACD D5034B48CD974D22680A4A7B673B819F2F99E12EB0E240C95F9DCECA774E EC2  
6284BED2031A5E1CD40DBDE35EC45383F5193BEBF2564BA B34ED9E4C733A5A0C7ED3653EC8056EE280C47E1D714089348FF3756562B4870D05398B0E7D11D61E4C2  
1C2FC6F1FC0F024E25730C8031570586E424CF582D4B6E4A2946D3E495D5B4271C6602274CF488F9047882580F0048542405F4ABF9F71D4B2F6252BA D2C245E7C551  
13979139D6623217BF831765362BAEA2E747A477EF4D43CBAAB417B59A63439245B9D9C656A6F E87C8CB16B C7AD2231370E446517FD4CF9B5CC A33A48C7AD17E7  
294A8C3ACB3D27B3219364D0C5CE30682AA4E766C9362C2870C3DCED6C4BADFED5E59A9F21C347BA9B1C8FD269EBA88AA3B40AD0FCEFA737265873646CF9DA  
D947EFD42C5E44878A0755297D8C35EF72A8992EE02FF68B682AAE6CE72B70C7459CEBE4C0FC30128DB37A0D6DE679BC43162751A843EFECA23303B0D5F1E DF  
0C535DF9139724A2CD4FBCA56C5D5755364B5265FAEAAD0203010001

**Authority Key Identifier** D1:A7:08:16:07:9E:E9:BD:4E:D3:D7:20:53:96:59:06:27:D7:88:4D

**Subject Key Identifier** 44:88:EF:84:05:DF:02:F6:93:7C:B4:9E:99:9D:BA:59:8F:06:BD:EF

**Certificate Policies**  
Policy OID: 1.2.246.517.1.10.201.2  
CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
<http://www.fineid.fi/cps32/>]  
CPS pointer: <http://www.fineid.fi/cps32/>

**Basic Constraints** IsCA: true - Path length: 0

**CRL Distribution Points** <http://proxy.fineid.fi/arl/vrkroot2a.crl>

**Authority Info Access**  
<http://ocsp.fineid.fi/vrkroot2c>  
<http://proxy.fineid.fi/ca/vrkroot2c.crt>

**Key Usage:** keyCertSign - cRLSign

**Thumbprint algorithm:** SHA-256

**Thumbprint:** 9C:0B:9E:BE:A9:55:90:D0:FA:FE:4A:46:C6:2E:49:DD:0B:A6:CC:0A:80:F8:90:19:A2:3D:03:7E:1A:4C:1B:5B

**X509SubjectName**

**Subject CN:** VRK CA for Organisational Certificates - G3

**Subject OU:** Organisaatiovarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

## X509SKI

**X509 SK I** RIjvhAXfAvaTfL.SemZ26WY8Gve8=

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted>

**Service status description** [en] undefined.

**Status Starting Time** 2019-02-18T22:00:00Z

## Service Supply Points

**Service Supply Point** <http://ocsp.fineid.fi/vrkqc3>

### 1.7.1 - Extension (critical): additionalServiceInformation

#### AdditionalServiceInformation

**URI** [en] <http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures>

### 1.7.2 - Extension (critical): Qualifiers [QCForESig]

**Qualifier type description** [en] undefined.

**Criteria list assert=all**

**Key Usage** [nonRepudiation] true

**Description** Qualified certificates for electronic signatures. Certificate private keys are stored on a smart card.

### 1.8 - Service (granted): VRK CA for Service Providers - G3

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

**Service type description** [en] A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.

## Service Name

**Name** [en] VRK CA for Service Providers - G3

## Service digital identities

### Certificate fields details

**Version:** 3

Serial Number:

109207

X509 Certificate

-----BEGIN CERTIFICATE-----

MIIUTCCBmgAwIBAgIDAAQXMA0GCSqGSIb3DQEwCwUAMIGM0sCQYDVQQGEwGSTEOMA4GA1UEC...

-----END CERTIFICATE-----

Signature algorithm:

SHA256withRSA

Issuer CN:

VRK Gov. Root CA

Issuer OU:

Varmennepalvelut

Issuer OU:

Certification Authority Services

Issuer O:

Vaestorekisterikeskus CA

Issuer ST:

Finland

Issuer C:

FI

Subject CN:

VRK CA for Service Providers - G3

Subject OU:

Palveluvarmentee

Subject O:

Vaestorekisterikeskus CA

Subject C:

FI

Valid from:

Mon Dec 07 10:12:34 CET 2015

Valid to:

Mon Dec 18 14:51:08 CET 2023

Public Key:

30:82:02:22:30:0D:06:09:2A:86:48:86:F7:0D:01:01:01:05:00:03:82:02:0F:00:30:82:02:0A:02:82:02:01:00:B4:AE:91:CS:27:D9:A5:D7:A1:CS:41:97:1C:DC:35:F0:A4:01:8D:80:7E:95:82:48:EF:9E:8C:09:3C:14:29:50:83:B...

Authority Key Identifier

DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0

Subject Key Identifier

65:04:E8:2D:92:E7:CB:2A:AB:57:15:A8:65:2A:AA:FA:B7:16:74:F6

Certificate Policies

Policy OID: 1.2.246.517.1.10.31.3

CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available http://www.fineid.fi/cps33]

CPS pointer: http://www.fineid.fi/cps33/

**Basic Constraints** *IsCA: true - Path length: 0*

**CRL Distribution Points** *http://proxy.fineid.fi/arl/vrkroota.crl*

**Authority Info Access** *http://proxy.fineid.fi/ca/vrkrootc.crt*

**Key Usage:** *keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *B7:50:A1:25:F5:FB:28:5B:FE:5C:C1:FF:2D:97:13:88:75:DB:CE:C7:5A:B6:78:12:4C:27:0E:26:D8:C1:9A:8E*

**Service Status** *http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted*

**Service status description** *[en] undefined.*

**Status Starting Time** *2019-11-11T22:00:00Z*

### Service Supply Points

**Service Supply Point** *http://ocsp.fineid.fi/vrksp3*

#### 1.8.1 - Extension (critical): additionalServiceInformation

##### AdditionalServiceInformation

**URI** *[ en ] http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication*

#### 1.8.2 - Extension (critical): Qualifiers [QCForWSA]

**Qualifier type description** *[en] undefined.*

##### Criteria list assert=all

**Key Usage** *[ cRLSign ] true*

**Key Usage** *[ keyCertSign ] true*

##### Policy Identifier:

**Identifier** *[ OIDsURI ] http://www.fineid.fi/cps33/*

**Description** *VRK CA for Service Providers QWAC*

#### 1.9 - Service (granted): VRK CA for Service Providers - G4

**Service Type Identifier** *http://uri.etsi.org/TrstSvc/Svctype/CA/QC*



**Public Key:**

30:82:02:22:30:0D:06:09:2A:86:48:86:F7:0D:01:01:05:00:03:82:02:0F:00:30:82:02:0A:02:82:02:01:00:CB:E6:BE:06:A8:12:86:A9:A2:DC:C1:E9:DB:10:46:71:51:56:97:88:CF:93:0D:F9:2E:48:D7:8A:97:B7:21:54:5A:86:1  
 67D53FA405F49B00DB8BF02FC7CA9C922479279089046001E9FAC06875F5BDCN8FADLEA25E4AB4C5127246F801C8624A1E68B0FBCB652FA571FBBA9B3947E2D00277B  
 02AE6E4470FD8EC12F71EFCFAESD4A96249F7E4BE:DS:72:7E:3B:81:D2:28:45:C3:2E:2D:CF:9E:ED:38:96:BF:31:A3:41:2D:3B:19:91:B8:8C:95:9E:C5:FA:4F:37:70:D2:DB:28:30:69:65:B2:4E:10:04:7  
 1:7B:21:37:0E:75:EA:60:A7:87:99:CC:E2:D1:3D:F6:92:A9:2E:DS:78:71:1B:6B:2B:A3:8A:2B:A0:3D:8B:3D:F2:91:68:DA:C7:B5:63:78:01:73:D2:92:19:52:D5:D5:1F:C2:9D:4B:3C:00:E2:B1:1D:5B:E3:15:6E:C4:9A:56:0A:5  
 4BBE1049F2847474076A28842B392B1CA8C:7E:43:EB:C6:46:02:53:C7:75:B2:69:F1:44:48:E9:3C:AF:04:BF:2B:9F:91:13:5A:FS:9E:70:02:2B:96:55:D4:E0:28:01:9F:48:28:E9:4E:97:58:7B:EE:96:8A:08:A5:22  
 A9:54:F2:2B:0E:79:0E:87:04:3B:24:36:74:B6:0A:95:D4:B4:DC:D3:56:BF:A0: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:83:7  
 8:F2:AC:E8:CF:ES:2E:8C:D7:DC:2F:DS:70:F8:2B:DE:72:64:00:6F:32:FF:53:72:08:95:7A:3D:D3:E4:45:3E:CD:CF:DB:63:15:5B:F6:FB:3C:93:BC:0A:9A:A6:6F:D4:62:5E:F2:11:D4:43:68:78:E7:4D:00:1B:57:EE:18:3C:A3:0  
 E:99:E6:5F:BA:6D:33:8F:FD:90:82:65:1C:DE:DS:D9:44:A7:1F:91:7C:32:43:61:61:C6:8F:45:68:68:6E:69:F9:8B:FD:5A:5B:F7:0E:CF:07:70:0D:0A:C7:90:AB:3A:8A:49:B1:06:34:FE:2A:B7:35:39:4E:ES:0A: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

**Authority Key Identifier**

D1:A7:08:16:07:9E:E9:BD:4E:D3:D7:20:53:96:59:06:27:D7:88:4D

**Subject Key Identifier**

31:1C:60:27:0A:CB:05:86:88:6E:C2:EA:C5:BF:03:93:78:D9:00:14

**Certificate Policies**

Policy OID: 1.2.246.517.1.10.201.4

CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
<http://www.fineid.fi/cps43>]

CPS pointer: <http://www.fineid.fi/cps43/>

**Basic Constraints**

IsCA: true - Path length: 0

**CRL Distribution Points**

<http://proxy.fineid.fi/arl/vrkroot2a.crl>

**Authority Info Access**

<http://ocsp.fineid.fi/vrkroot2c>

<http://proxy.fineid.fi/ca/vrkroot2c.crt>

**Key Usage:**

keyCertSign - cRLSign

**Thumbprint algorithm:**

SHA-256

**Thumbprint:**

1B:D3:87:0B:84:2F:F0:A6:37:28:42:68:01:7E:18:E4:55:A7:FD:2D:84:46:8F:3C:DF:7D:58:7C:7A:  
 B3:5C:9D

**Service Status**

<http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted>

**Service status description**

[en]

undefined.

**Status Starting Time**

2019-11-11T22:00:00Z

**Service Supply Points****Service Supply Point**

<http://ocsp.fineid.fi/vrksp4>

**1.9.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation****URI**

[en]

<http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication>

**1.9.2 - Extension (critical): Qualifiers [QCForWSA]****Qualifier type description**

[en]

undefined.

**Criteria list assert=all**





**Issuer C:** *FI*

**Subject CN:** *VRK CA for Healthcare Service Providers*

**Subject OU:** *Terveystuettajien palveluvarmisteet*

**Subject O:** *Vaestorekisterikeskus CA*

**Subject ST:** *Finland*

**Subject C:** *FI*

**Valid from:** *Wed Oct 27 13:20:21 CEST 2010*

**Valid to:** *Sun Dec 17 20:59:59 CET 2023*

**Public Key:**  
30820122300D06092A864886F70D01010105000382010F003082010A0282010100B08B192D4D405D8DA01E7539B28E83C7CE4B8DE777949052880E850C50E6AF67B1D87E3FBE1A34789A6546C1693F17D138AA5F099B7BF6BADA19231D2723883BCE1F1FE5E778332509AB4A09443837D49C5A2CF69BB78685C5658D9B167C42C26D4721B724F6B8E58498CA896AA738E55F0DC695F2AEBFE2C3DE17743138F8FC9DE8FB0BE8D3331CS1EA87CBCB17E7587624CE47A1568D5781780C6497047F091283EC6E4F45901D91B225EDDABFA40C789620B19F998A50639462315DE1B8FE07E5493B64D8BA2B3058071E0CD7E6B401F033A5E23840316FE8E4E94BDBA1D5461F17F4384C1D4C0830113B9AF87F479807435251BC01720936454875010203010001

**Basic Constraints** *IsCA: true - Path length: 0*

**Certificate Policies** *Policy OID: 1.2.246.517.1.10.1.9*  
*CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available http://www.fineid.fi/cps8]*  
*CPS pointer: http://www.fineid.fi/cps8/*

**Authority Info Access** *http://proxy.fineid.fi/ca/vrkrootc.crt*

**Authority Key Identifier** *DB:E9:E1:9B:D2:D1:24:0B:FC:AB:E3:A0:67:EA:AE:9C:4B:77:F4:B0*

**CRL Distribution Points** *http://proxy.fineid.fi/arl/vrkroota.crl*

**Subject Key Identifier** *14:F1:6B:DF:4A:A5:D0:22:ED:AB:B3:91:A7:CD:8B:5F:DA:FB:BA:5E*

**Key Usage:** *digitalSignature - nonRepudiation - keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:** *DC:A6:93:F3:A4:1D:AA:9C:75:C0:09:0A:A6:DE:70:16:73:CF:32:13:CD:60:8B:1E:75:4C:AF:EF:F5:16:87:A6*

**Service Status** *http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted*

**Service status description** *[en] undefined.*

**Status Starting Time** *2019-11-11T22:00:00Z*

**Service Supply Points**

**Service Supply Point** *http://ocsp.fineid.fi/vrkshsp*

**1.10.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation**

<b>URI</b>	[ en ]	<a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication</a>
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**1.10.2 - Extension (critical): Qualifiers [QCForWSA]**

<b>Qualifier type description</b>	[ en ]	undefined.
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**Criteria list assert=all**

<b>Key Usage</b>	[ crlSign ]	true
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<b>Key Usage</b>	[ keyCertSign ]	true
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<b>Description</b>	VRK CA for Social Welfare and Health Care Service Providers
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**1.10.3 - History instance n.1 - Status: granted**

<b>Service Type Identifier</b>	<a href="http://uri.etsi.org/TrstSvc/Svctype/CA/QC">http://uri.etsi.org/TrstSvc/Svctype/CA/QC</a>
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**Service Name**

<b>Name</b>	[ en ]	VRK CA for Social Welfare and Health Care Service Providers
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**Service digital identities****X509SubjectName**

<b>Subject CN:</b>	VRK CA for Healthcare Service Providers
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<b>Subject OU:</b>	Terveysturvien palveluvarmointi
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<b>Subject O:</b>	Vaestorekisterikeskus CA
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<b>Subject ST:</b>	Finland
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<b>Subject C:</b>	FI
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**X509SKI**

<b>X509 SK I</b>	FPFr30q10CLtq7ORp82LX9r7ul4=
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**Service Status**

<a href="http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted">http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted</a>
---

**Status Starting Time**

2019-11-11T22:00:00Z
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1.10.3.1 - Extension (critical): additionalServiceInformation

AdditionalServiceInformation

URI [ en ] http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication

1.10.3.2 - Extension (critical): Qualifiers [QCForWSA]

Qualifier type description [en] undefined.

Criteria list assert=all

Key Usage [ crlSign ] true

Key Usage [ keyCertSign ] true

Description VRK CA for Social Welfare and Health Care Service Providers

1.11 - Service (granted): VRK CA for Social Welfare and Healthcare Service Providers - G2

Service Type Identifier http://uri.etsi.org/TrstSvc/Svctype/CA/QC

Service type description [en] A certificate generation service creating and signing qualified certificates based on the identity and other attributes verified by the relevant registration services.

Service Name

Name [ en ] VRK CA for Social Welfare and Healthcare Service Providers - G2

Service digital identities

Certificate fields details

Version: 3

Serial Number: 200007

X509 Certificate

-----BEGIN CERTIFICATE-----
MH5TCBZmgAwIBAgIDAwIHM4O0CSqGSIb3DQEBAQUAA4ICDwAwggKAOIAOAC...
-----END CERTIFICATE-----

**Signature algorithm:** *SHA512withRSA*

**Issuer CN:** *VRK Gov. Root CA - G2*

**Issuer OU:** *Varmennepalvelut*

**Issuer OU:** *Certification Authority Services*

**Issuer O:** *Vaestorekisterikeskus CA*

**Issuer C:** *FI*

**Subject CN:** *VRK CA for Social Welfare and Healthcare Service Providers - G2*

**Subject OU:** *Sosiaali- ja terveydenhuollon palveluvarmenteet*

**Subject O:** *Vaestorekisterikeskus CA*

**Subject C:** *FI*

**Valid from:** *Thu May 03 12:37:17 CEST 2018*

**Valid to:** *Sun May 02 12:37:17 CEST 2038*

**Public Key:**  
30820222300D06092A864886F70D01010105000382020F003082020A0282020100BF9283C8ED45D7EF27D4BE4259C23884BACC0D50DB6E9FFD7E212BA04881B93246485  
9D21423078549D4FCF78BFDF856F40A227DC046B009D6798FB4D12435FC9D3E6A27A87E78883EFA5F611DC27989728ACB69836E02B33C030B1CF007D27F0989D8  
FB65E95832241428053AEF9D63533EGD97E47C07730684F5F3F3FDD9D774FE2C619BC8B79B701A71162828EDC5954FAFF8A84C0D54A59ABFA9578345C6407F55FE  
FDFAA797A9822BA0D4ACEF3F7C439E7CA79C5F68A0F826F5C3B2A1BA1D3C617BE95E0A093465C083ED9D1726F30A3D169B86640620E335C29D8F2B937D5BFCE83  
CT330B9CBAF158E86E8735D206B9717A7CC8929F395D13916AD856E8FDD39838DA8CCAEE222045F5FB10A1865B8A8425131CC74CD8E5EA762CE95E4918E26344350B0  
A0CE670B0A9AAB26822C24CC33882CAE.CE:14D438A6705B0B4D52E992A630E33F.FE:62F438236F:153F9AE3748F.CF:8908E9F13E:110905313C4F:32533AB8735213B6A054  
64B389DF36E73822BC730EA461B6A876DA53393857EB421C0788F701AC47724E9D3BD9E4A66EAB22A82D25BB CD52DB24B5F41323832675D07119F4BBB623499839E  
2CF71760F5A.CF:A6DA844087F84246970E91BB56F1FA.FE:90D9CA3073FF06A5A1173E324305F4EA15A9E66F92ECCAC:1B:E60396B68B00F461637C:F374B09153F6DF9C  
CA.CE:75851789771749F71B3E.D6:0284AE7E.BF4FE5:0203010001

**Authority Key Identifier** *D1:A7:08:16:07:9E:E9:BD:4E:D3:D7:20:53:96:59:06:27:D7:88:4D*

**Subject Key Identifier** *39:FA:C5:74:E7:7B:AD:46:C9:2B:E3:6F:93:1E:CF:1C:EB:7F:4A:98*

**Certificate Policies**  
*Policy OID: 1.2.246.517.1.10.201.7*  
*CPS text: [Varmennepolitiikka on saatavilla - Certifikat policy finns - Certificate policy is available  
<http://www.fineid.fi/cps28>]*  
*CPS pointer: <http://www.fineid.fi/cps28/>*

**Basic Constraints**  
*IsCA: true - Path length: 0*

**CRL Distribution Points**  
*<http://proxy.fineid.fi/arl/vrkroot2a.crl>*

**Authority Info Access**  
*<http://ocsp.fineid.fi/vrkroot2c>*  
*<http://proxy.fineid.fi/ca/vrkroot2c.crt>*

**Key Usage:**  
*keyCertSign - cRLSign*

**Thumbprint algorithm:** *SHA-256*

**Thumbprint:**  
*A6:B3:4F:7B:0E:87:44:63:62:BB:1A:2B:F3:EE:95:DD:56:D8:BA:97:A9:FF:B0:3D:F4:10:31:37:7E  
:CD:D6:F8*

**Service Status** <http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted>

**Service status description** [en] undefined.

**Status Starting Time** 2019-11-11T22:00:00Z

## Service Supply Points

**Service Supply Point** <http://ocsp.fineid.fi/vrkshsp2/>

### 1.11.1 - Extension (critical): additionalServiceInformation

#### AdditionalServiceInformation

**URI** [en] <http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication>

### 1.11.2 - Extension (critical): Qualifiers [QCForWSA]

**Qualifier type description** [en] undefined.

**Criteria list assert=all**

**Key Usage** [crlSign] true

**Key Usage** [keyCertSign] true

**Description** VRK CA for Social Welfare and Healthcare Service Providers - G2

### 1.11.3 - History instance n.1 - Status: granted

**Service Type Identifier** <http://uri.etsi.org/TrstSvc/Svctype/CA/QC>

## Service Name

**Name** [en] VRK CA for Social Welfare and Healthcare Service Providers - G2

## Service digital identities

### X509SubjectName

**Subject CN:** VRK CA for Social Welfare and Healthcare Service Providers - G2

**Subject OU:** Sosiaali- ja terveydenhuollon palveluvarmenteet

**Subject O:** Vaestorekisterikeskus CA

**Subject C:** FI

**X509SKI**

**X509 SK I** *OfiFdOd7rUbJK+Nvkx7PHOt/Spg=*

**Service Status** *http://uri.etsi.org/TrstSvc/TrustedList/Svcstatus/granted*

**Status Starting Time** *2019-11-11T22:00:00Z*

**1.11.3.1 - Extension (critical): additionalServiceInformation****AdditionalServiceInformation**

**URI** *[ en ]* *http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForWebSiteAuthentication*

**1.11.3.2 - Extension (critical): Qualifiers [QCForWSA]**

**Qualifier type description** *[ en ]* *undefined.*

**Criteria list assert=all**

**Key Usage** *[ crlSign ]* *true*

**Key Usage** *[ keyCertSign ]* *true*

**Description** *VRK CA for Social Welfare and Healthcare Service Providers - G2*