Scheme name

BE:Supervision/Accreditation Status List of certification services from Certification Service Providers, which are supervised/accredited by the referenced Member State for compliance with the relevant provisions laid down in Directive 1999/93/EC and its implementation in the referenced Member State's laws.

Legal Notice

The applicable legal framework for the present TSL implementation of the Trusted List of supervised/accredited Certification Service Providers for Belgium is the Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures and its implementation in Belgian laws. The applicable legal national framework is the Belgian CSP act of 9 July 2001 to create a legal framework for the usage of electronic signatures and certification services.

Scheme territory

Scheme status appropriate

determination approach

Scheme type http://uri.etsi.org/TrstSvc/eSigDir-1999-93-EC-TrustedList/schemerules/common community rules

http://uri.etsi.org/TrstSvc/eSigDir-1999-93-EC-TrustedList/schemerules/BE

Issue date 2011-09-01T00:00:00.000Z Next update 2012-01-15T00:00:00.000Z

Historical information 10959 days

period

Sequence number

Scheme information

http://tsl.belgium.be/

Scheme Operator

Scheme operator FPS Economy, SMEs, Self-employed and Energy - Quality and Security -

NG III - Koning Albert II-laan 16

Information Management name

Scheme operator

street address

Scheme operator

postal code

1000

Brussels

Brussels

Scheme operator

locality

Scheme operator

state

Scheme operator

country

BE

Scheme operator

http://economie.fgov.be contact

mailto:be.sign@economie.fgov.be

Trust Service Providers

Certipost NV/SA

Service provider trade name

Certipost NV/SA

Information URI

http://repository.eid.belgium.be/EN/Index.htm

http://www.certipost.be/dpsolutions/en/e-certificates-legal-info.html

Service provider street address

Centre Monnaie

Service provider

1000

postal code

Service provider

Brussels

locality

Service provider state Brussels

Service provider

BE

country

CN=Belgium Root CA, C=BE

Type CA/OC

undersupervision Status

2003-01-26T23:00:00.000Z Status starting time

Service digital identity (X509)

Version

Serial number 117029288888937864350596520176844645968

Signature algorithm SHA1withRSA

Issuer CN=Belgium Root CA, C=BE Valid from Mon Jan 27 00:00:00 CET 2003 Valid to Mon Jan 27 00:00:00 CET 2014 CN=Belgium Root CA, C=BE Subject Public key Sun RSA public key, 2048 bits

2532727247174242475310876111302551541350771290487408393990707355 3139389403581555633427000903307438065008396155423372038139338001 12922839738743756616914614756910113215373514757637257855001524459884908283374968661826239871065222401938973133495715806769163244 2561241462450868417538609485432931629806056877222374520561111218 9904505418533484099385023144445138975351025575749503679547226381 90266507753545893758022556650119414854675563337473296025894960416159860774175448506963241118776049541934983183035608916277217984

30948172071644141969017225065301229219951

public exponent: 65537

Authority key identifier

Subject key identifier 10f00c569b61ea573ab635976d9fddb9148edbe6 10f00c569b61ea573ab635976d9fddb9148edbe6

PDF document generated on Tue Aug 23 10:16:31 CEST 2011, page 2

Key usage keyCertSign

cRLSign

CA=true; PathLen=unlimited Basic constraints

SHA1 Thumbprint dfdfac8947bdf75264a9233ac10ee3d12833dacc

SHA256 Thumbprint 7c7ed4240bb253bb35c376e12e00b027f1659df9d8267422a93eed75edc7adfb

Extension (critical: true)

Qualifications

Qualifier: QCSSCDStatusAsInCert

Assert: atLeastOne

Policy OID: 2.16.56.1.1.1.2.1 Policy OID: 2.16.56.1.1.1.7.1

Additional service information

```
RootCA-QC
The decoded certificate:
Version: V3
Subject: CN=Belgium Root CA, C=BE
Signature Algorithm: SHAlwithRSA, OID = 1.2.840.113549.1.1.5
Key: Sun RSA public key, 2048 bits
public exponent: 65537
Validity: [From: Mon Jan 27 00:00:00 CET 2003,
To: Mon Jan 27 00:00:00 CET 2014]
Issuer: CN=Belgium Root CA, C=BE
SerialNumber: [ 580b056c 5324dbb2 5057185f f9e5a650]
Certificate Extensions: 6
[1]: ObjectId: 2.16.840.1.113730.1.1 Criticality=false
NetscapeCertType [
 SSL CA
 S/MIME CA
 Object Signing CA]
[2]: ObjectId: 2.5.29.14 Criticality=false
SubjectKeyIdentifier [
KeyIdentifier [
0000: 10 F0 OC 56 9B 61 EA 57 3A B6 35 97 6D 9F DD B9 ...V.a.W:.5.m...
0010: 14 8E DB E6
[3]: ObjectId: 2.5.29.35 Criticality=false
AuthorityKeyIdentifier [
KeyIdentifier [
0000: 10 F0 0C 56 9B 61 EA 57 3A B6 35 97 6D 9F DD B9 ...V.a.W:.5.m...
0010: 14 8E DB E6
[4]: ObjectId: 2.5.29.32 Criticality=false
CertificatePolicies [
[CertificatePolicyId: [2.16.56.1.1.1]
[PolicyQualifierInfo: [
qualifierID: 1.3.6.1.5.5.7.2.1
qualifier: 0000: 16 20 68 74 74 70 3A 2F 2F 72 65 70 6F 73 69 74 . http://reposit
0010: 6F 72 79 2E 65 69 64 2E 62 65 6C 67 69 75 6D 2E ory.eid.belgium.
11 1
[5]: ObjectId: 2.5.29.15 Criticality=true
KeyUsage [
Key_CertSign
Crl_Sign
[6]: ObjectId: 2.5.29.19 Criticality=true
BasicConstraints:
```

```
CA:true
PathLen:2147483647
Algorithm: [SHA1withRSA]
Signature:
0000: C8 6D 22 51 8A 61 F8 0F
                               96 6E D5 20 B2 81 F8 C6 .m"Q.a...n.
0010: DC A3 16 00 DA CD 6A E7
                               6B 2A FA 59 48 A7 4C 49
                                                       .....j.k*.YH.LI
0020: 37 D7 73 A1 6A 01 65 5E
                               32 BD E7 97 D3 D0 2E 3C 7.s.j.e^2.....<
0030: 73 D3 8C 7B 83 EF D6 42
                               C1 3F A8 A9 5D 0F 37 BA s.....B.?..].7.
0040: 76 D2 40 BD CC 2D 3F D3
                               44 41 49 9C FD 5B 29 F4 v.@..-?.DAI..[).
0050: 02 23 22 5B 71 1B BF 58
                               D9 28 4E 2D 45 F4 DA E7 .#"[q..X.(N-E...
0060: B5 63 45 44 11 0D 2A 7F
                               33 7F 36 49 B4 CE 6E A9 .cED..*.3.6I..n.
                               42 7B D7 F1 60 F2 D7 87 .1.\...B...`
0070: 02 31 AE 5C FD C8 89 BF
0080: F6 57 2E 7A 7E 6A 13 80
                               1D DC E3 D0 63 1E 3D 71 .W.z.j.....c.=q
                               F0 94 C7 48 75 54 81 F3 1.`.....HuT...
0090: 31 B1 60 D4 9E 08 CA AB
00A0: 18 AD 77 9C F8 B2 8F DB
                               83 AC 8F 34 6B E8 BF C3 ..w.....4k...
00B0: D9 F5 43 C3 64 55 EB 1A
                               BD 36 86 36 BA 21 8C 97 ..C.dU...6.6.!..
                               EC A7 1D AB BE B9 4A 9B
00C0: 1A 21 D4 EA 2D 3B AC BA
00D0: 35 2F 1C 5C 1D 51 A7 1F
                               54 ED 12 97 FF F2 6E 87 5/.\.Q..T....n.
                               7D E6 59 6E 06 94 04 E4 .F.t...=..Yn...
00E0: 7D 46 C9 74 D6 EF EB 3D
```

The certificate in PEM format:

----BEGIN CERTIFICATE-----

MIIDlDCCAnvaAwIBAaIOWAsFbFMk27JOVxhf+eWmUDANBakahkiG9w0BAOUFADAn MQswCQYDVQQGEwJCRTEYMBYGA1UEAxMPQmVsZ2l1bSBSb290IENBMB4XDTAzMDEy NjIzMDAwMFoXDTE0MDEyNjIzMDAwMFowJzELMAkGA1UEBhMCQkUxGDAWBgNVBAMT D0JlbGdpdW0qUm9vdCBDOTCCASIwDOYJKoZIhvcNAOEBBOADqqEPADCCAOoCqqEB AMihcekcRkJ5eHFvna6pqKsot03HIOswkVp19eLSz8hMFJhCWK3HEcVAQGpa+XQS J4fpn0VxTiIs0RIYqjBeoiG52bv/9nTrMQHn035YD5EWTXaJqAFPrSJmcPpLHZXB MFiqvNll2Ja0i0tJRlLf0lMVdssUXRlJsW9a09P9vMIt7EU/CT9YvvzU7wCMaTVv v/cY6pZifSsofxVsY9LKyn0FrMhtB20yvmi4BUCuVJhWPmbxM0jvxKuTXgfeMo8S dKpbNCNUwOpszv42kqgJF+qhLc9s44Qd3ocuMws8d0IhUDiVLlzg5cYx+dtA+mqh pIqTm6chBocdJ9PEoclMsG8CAwEAAa0BuzCBuDA0BgNVHQ8BAf8EBAMCAQYwDwYD VROTAQH/BAUwAwEB/zBCBgNVHSAEOzA5MDcGBWA4AQEBMC4wLAYIKwYBBQUHAgEW IGh0dHA6Ly9yZXBvc2l0b3J5LmVpZC5iZWxnaXVtLmJlMB0GA1UdDgQWBBQQ8AxWarder and the property of thm2HqVzq2NZdtn925FI7b5jARBglghkgBhvhCAQEEBAMCAAcwHwYDVR0jBBgwFoAU EPAMVpth6lc6tjWXbZ/duRS02+YwDQYJKoZIhvcNAQEFBQADggEBAMhtIlGKYfgP lm7VILKB+MbcoxYA2s1q52sq+llIp0xJN9dzoWoBZV4yveeX09AuPHPTjHuD79ZC wT+ogV0PN7p20kC9zC0/00RBSZz9Wvn0AiMiW3Ebv1iZKE4tRfTa57ViRU0RDSp/ M382SbT0bqkCMa5c/ciJv0J71/Fg8teH9lcuen5qE4Ad30PQYx49cTGxYNSeCMqr 8JTHSHVUgfMbrXec6LKP240sjzRr6L/D2fVDw2RV6xq9NoY2uiGMlxoh10ot06y6 7Kcdq765Sps1LxxcHVGnH1TtEpf/8m6HfUbJdNbv6z195lluBpQE5KJVhzgoaiJe 4r50ErAEQyo=

----END CERTIFICATE----

CN=Belgium Root CA2, C=BE

Type CA/QC

Status undersupervision

Status starting time 2007-10-04T10:00:00.000Z

Service digital identity (X509)

Version 3

Serial number 3098404661496965511

Signature algorithm SHA1withRSA

Public key Sun RSA public key, 2048 bits

modulus:

2505202035897286929802442931365977782136110157856742564234839581 64367953802839672248769831300340203168205752163553604166050045334718830407023741150537135469000352360279650474826843696574001315 552436395329655960576829372646274868386780797947622304693692109500887975787577283413392923336546545109817976430306701793579151565262158435123606358334230710497624432217765218126527057253528859 3688668361490384043063624052887014382463758810568004079588144865 4643858460532713400822409146679502714797245542101554942867836639 3080491585356622044306227220916440412947986826263456222477031966

11536459503012648921426461410998536799349

public exponent: 65537

Authority key

Subject key identifier 858aebf4c5bbbe0e590394ded6800115e3109c39 858aebf4c5bbbe0e590394ded6800115e3109c39

identifier Key usage

keyCertSign

cRLSign

Basic constraints CA=true; PathLen=unlimited

SHA1 Thumbprint 51cca0710af7733d34acdc1945099f435c7fc59f

SHA256 Thumbprint 9f9744463be13714754e1a3becf98c08cc205e4ab32028f4e2830c4a1b2775b8

Extension (critical: true)

Qualifications

Qualifier: QCSSCDStatusAsInCert

Assert: atLeastOne

Policy OID: 2.16.56.9.1.1.2.1 Policy OID: 2.16.56.9.1.1.7.1

Additional service information

RootCA-QC

```
The decoded certificate:
Version: V3
 Subject: CN=Belgium Root CA2, C=BE
Signature Algorithm: SHA1withRSA, OID = 1.2.840.113549.1.1.5
Key: Sun RSA public key, 2048 bits
modulus:
25052020358972869298024429313659777821361101578567425642348395816436795380283967224876983130034020316820575216355360416605904533471883040702374115053713546900035236027965047
10497624432217765218126527057253528859368866836149038404306362405288701438246375881056800407958814486546438584605327134008224091466795027147972455421015549428678366393080491
58535662204430622722091644041294798682626345622247703196611536459503012648921426461410998536799349
public exponent: 65537
Validity: [From: Thu Oct 04 12:00:00 CEST 2007
           To: Wed Dec 15 09:00:00 CET 20211
Issuer: CN=Belgium Root CA2, C=BE
SerialNumber: [
                2affbe9f a2f0e987]
Certificate Extensions: 6
[1]: ObjectId: 2.16.840.1.113730.1.1 Criticality=false
NetscapeCertType [
 SSL CA
 S/MIME CA
 Object Signing CA]
[2]: ObjectId: 2.5.29.14 Criticality=false
{\tt SubjectKeyIdentifier}\ [
KeyIdentifier [
0000: 85 8A EB F4 C5 BB BE 0E 59 03 94 DE D6 80 01 15 ......Y.....
0010: E3 10 9C 39
[3]: ObjectId: 2.5.29.35 Criticality=false
AuthorityKeyIdentifier [
KeyIdentifier [
```

0000: 85 8A EB F4 C5 BB BE 0E 59 03 94 DE D6 80 01 15Y.....

```
0010: E3 10 9C 39
]
[4]: ObjectId: 2.5.29.32 Criticality=false
CertificatePolicies |
 [CertificatePolicyId: [2.16.56.9.1.1]
[PolicvOualifierInfo: [
 qualifierID: 1.3.6.1.5.5.7.2.1
 qualifier: 0000: 16 20 68 74 74 70 3A 2F 2F 72 65 70 6F 73 69 74 . http://reposit
0010: 6F 72 79 2E 65 69 64 2E 62 65 6C 67 69 75 6D 2E ory.eid.belgium.
0020: 62 65
11 1
[5]: ObjectId: 2.5.29.15 Criticality=true
KeyUsage [
Key_CertSign
[6]: ObjectId: 2.5.29.19 Criticality=true
BasicConstraints:[
PathLen: 2147483647
Algorithm: [SHA1withRSA]
 Signature:
0000: 51 D8 85 DD BB 57 6F CC A0 6C B5 A3 20 9C 53 09 Q....Wo..l.. .S.
0010: F3 4A 01 0C 74 BF 2B B3
                               9A 9A BA 18 F2 0B 88 AC .J..t.+....
0020: 1C B3 33 AF CE E5 13 01
                               27 92 84 58 9A 10 B9 F7
                                                         ..3.....'..X....
                               E8 51 EF BF FA 4A 25 A7 ...kt....Q...J%.
0030: CC 14 92 6B 74 16 8A 96
0040: 89 B6 63 2B 5D 94 58 D1
                               CF 11 72 B6 1E B9 39 41 ..c+1.X...r...9A
0050: 16 4D 29 BC 35 53 0B DA
                               DE 8E 0E CD A9 95 77 25 .M).5S......w%
0060: CA 94 5A E9 B2 69 AE D8
                                CO 13 BE 98 FC 96 9C 84
                               20 A4 A4 36 68 6B 4D 60 .U..<....6hkM
0070: 7F 55 13 E6 3C 87 E3 BC
                                2E B9 41 8A D3 65 D3 84 f.....f..A..e..
0090: 80 02 EF 50 1D 5E 46 DC
                                F7 C9 BA B5 34 7C 2A F3 ...P.^F....4.*.
                               CD 11 E7 FD 14 02 83 66 ..__T..M......f
CE 14 FE BB 1F A7 61 F7 ^...._a.
00A0: C6 D8 5F 5F 54 9D DB 4D
00B0: 5E C8 A6 00 12 A0 5F BE
00C0: AB 4A F1 06 14 9F CA 49
                               42 C2 A9 BC ED 85 B1 AB .J....IB.....
00D0: 81 41 E6 0D C5 42 69 53
                               87 39 9D 4C 1F 00 0E 3E .A...BiS.9.L...>
00E0: 07 0D 75 57 44 A8 53 B4
00F0: 46 6E 14 5D 5E 47 53 8D 78 4D E0 27 BB 8E 85 76 Fn.]^GS.xM.'...v
```

The certificate in PEM format:

----BEGIN CERTIFICATE-----

MIIDjjCCAnagAwIBAgIIKv++n6Lw6YcwDQYJKoZIhvcNAQEFBQAwKDELMAkGA1UE WhcNMiExMiE1MDqwMDAwWiAoMOswCOYDVOOGEwJCRTEZMBcGA1UEAxMOOmVsZ2l1 bSBSb290IENBMjCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMZzQh6S /3UPi790hqc/7bIYLS2X+an7mEoj39WN4IzGMhwWLQdCli22bi+n9fzGhYJdld61 IgDMqFNAn68KNaJ6x+HK92AQZw6nUHMXU5WfIp8MXW+2QbyM69odRr2nlL/zGsvU +400HiPIltfsiFPekx40HopOcSZYtF3CiInaYNKJIT/e1wEYNm7hLHADBGXvmAYr XR5i3FVr/mZkIV/4L+HXmymvb82fqgxG0YjFnaKVn6w/Fa7yYd/vw2uaItgscf1Y HewApDgglVrH1Tdjuk+bqv5WRi5j2Qsj1Yr6tSPwiRuhFA0m2kHw0I8w7QUmecFLine American AmeriTaG4flVSOmlGhHUCAwEAAa0BuzCBuDA0BaNVH08BAf8EBAMCA0YwDwYDVR0TA0H/ BAUWAWEB/zBCBgNVHSAE0zA5MDcGBWA4CQEBMC4wLAYIKwYBBQUHAgEWIGh0dHA6 Ly9yZXBvc2l0b3J5LmVpZC5iZWxnaXVtLmJlMB0GA1UdDgQWBBSFiuv0xbu+DlkD lN7WgAEV4xCcOTARBglahkaBhvhCAOEEBAMCAAcwHwYDVR0iBBgwFoAUhYrr9MW7 vg5ZA5Te1oABFeMQnDkwDQYJKoZIhvcNAQEFBQADggEBAFHYhd27V2/MoGy1oyCc JaeJtmMrXZRY0c8RcrYeuTlBFk0pvDVTC9reiq7NqZV3JcqUWumvaa7YwB0+mPvW nIR/VRPmPIfjvCCkpDZoa01gZhz5v6yAlGYuuUGK02XThIAC71AdXkbc98m6tTR8 KvPG2F9fVJ3bTc0R5/0UAoNmXsimABKgX770FP67H6dh96tK8QYUn8pJQsKpv02F sauB0eYNxUJpU4c5nUwfAA4+Bw11V0SoU702dmSZ3G7rPUZuFF1eR10NeE3gJ7u0 ----END CERTIFICATE----

CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE

Type CA/QC

Status undersupervision

Status starting time 2005-07-26T10:00:00.000Z

Service digital identity (X509)

Version

Serial number 4835703278459639067624485

Signature algorithm SHA1withRSA

CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE Issuer

Valid from Tue Jul 26 12:00:00 CEST 2005 Valid to Sun Jul 26 12:00:00 CEST 2020

Subject CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE

Sun RSA public key, 2048 bits Public key

modulus:

2198165027276639742335246370299919491834299685174947076499863829 710198451108362985094873473925989264451780406693419632454996429131929507801877488868263056625892314811981652410138907899996057327037799082855868763511239453871155320357733059447691386874174245 6351418525550214828297591584323227847019805029382183516476456072 1350350984913304723496042939229874921930931967750335049019790482 8017572130561815887751919653650932481620948873902322540903538293 2017480465444929903218227769334668958530404811571842689601047281 9175682817566553198501338089830997047280971197474917236039149732

00214236187812432050305807187505398614653

public exponent: 65537

Subject key identifier f078f9077710bbdc1ea1ae79fb3010dbc634f817

Key usage keyCertSign

cRLSign

Basic constraints CA=true; PathLen=unlimited

SHA1 Thumbprint 742cdf1594049cbf17a2046cc639bb3888e02e33

SHA256 Thumbprint 058a40323ec8c46262c3052a5d357b91ac24d3da26351b3ff4407e99f7a4e9b4

Extension (critical: true)

Qualifications

Qualifier: QCForLegalPerson

Assert: atLeastOne

Policy OID: 0.3.2062.7.1.1.112.1 Policy OID: 0.3.2062.7.1.1.140.1 Policy OID: 0.3.2062.7.1.1.111.1

Additional service information

RootCA-QC

```
The decoded certificate:
```

Subject: CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE

Signature Algorithm: SHA1withRSA, OID = 1.2.840.113549.1.1.5

Key: Sun RSA public key, 2048 bits

public exponent: 65537

Validity: [From: Tue Jul 26 12:00:00 CEST 2005, To: Sun Jul 26 12:00:00 CEST 2020]

SerialNumber: [04000000 00010552 64c425]

Certificate Extensions: 5

[1]: ObjectId: 2.16.840.1.113730.1.1 Criticality=false

NetscapeCertType [

```
SSL CA
 S/MIME CA
 Object Signing CA]
[2]: ObjectId: 2.5.29.14 Criticality=false
SubjectKeyIdentifier [
KeyIdentifier [
0010: C6 34 F8 17
[3]: ObjectId: 2.5.29.32 Criticality=false
CertificatePolicies [
[CertificatePolicvId: [0.3.2062.7.1.0.1.2.0]
[PolicyQualifierInfo: [
qualifierID: 1.3.6.1.5.5.7.2.1
 qualifier: 0000: 16 22 68 74 74 70 3A 2F 2F 77 77 77 2E 65 2D 74 ."http://www.e-t
0010: 72 75 73 74 2E 62 65 2F 43 50 53 2F 51 4E 63 65 rust.be/CPS/QNce
]] ]
[4]: ObjectId: 2.5.29.15 Criticality=true
KeyUsage [
Key CertSign
Crl_Sign
[5]: ObjectId: 2.5.29.19 Criticality=true
BasicConstraints:[
CA:true
PathLen: 2147483647
Algorithm: [SHA1withRSA]
Signature
0000: 6C E1 D8 5F 74 58 E9 70
                            49 D6 CA 0D 2C 58 DA CA l., tX.pI...X..
0010: 64 B6 51 4F C3 06 64 01
                            E9 8A 73 1D 9E CF 46 78 d.QO..d...s...Fx
0020: BF 3B 85 86 E2 3D 4A 18
                            94 2A 81 77 6F 82 F8 6F .;...=J..*.wo..o
                            60 BB 18 80 82 95 FB F9 .."...!r`.....
0030: F4 EE 22 FC 9D 18 21 72
0040: F7 95 24 81 66 C1 B5 C3
                            B5 D2 B6 76 8B 3B 81 5C ...$.f.....v.;.\
0050: B8 A1 0E 2B 01 14 8B 80
                            09 40 EE F8 60 4C 19 E4 ...+....@..`L.
                            A4 08 C9 B4 BF 9E 50 4E ..'..c.....PN
0060: 17 CD 27 01 B3 63 12 05
0070: B5 DE 0F 92 33 66 75 D0
0080: FE 3E 2E 36 79 A1 E5 29
                            50 23 35 05 95 78 BB 9F
                                                  .>.6y..)P#5..x.
                            5C 33 CD C2 BB 7E 68 77 yd.WH',.\3....hw
0090: 79 64 DC 57 48 27 2C E2
00A0: A7 2F A3 49 17 72 E1 00
                            84 6B 7D 7A AF 39 0B 2C ./.I.r...k.z.9.,
00B0: D5 D8 57 64 32 6C 84 0A
                            6A 76 3A D3 AC CD 9D B1 ..Wd2l..jv:..
00C0: E7 37 DC EC 0C 2F C5 57
                            60 DF 88 F5 43 B1 01 64 .7.../.W`...C..d
00D0: 26 B4 27 82 10 B2 A3 50
                            EF 97 E6 7F BF 91 87 B3 &.'....P.....
00E0: DB 90 A9 2A E2 7A 34 6C
                            73 49 F4 E8 8D 2E 6B 8A ...*.z4lsI....k.
```

The certificate in PEM format:

----BEGIN CERTIFICATE-----

 ${\tt MIID3jCCAsagAwIBAgILBAAAAAABBVJkxCUwDQYJKoZIhvcNAQEFBQAwXDELMAkG}$ A1UEBhMCOkUxHDAaBqNVBAoTE0NlcnRpcG9zdCBzLmEuL24udi4xLzAtBqNVBAMT JkNlcnRpcG9zdCBFLVRvdXN0IFBvaW1hcnkgUXVhbGlmaWVkIENBMB4XDTA1MDcv ${\tt NjEwMDAwMFoXDTIwMDcyNjEwMDAwMFowXDELMAkGA1UEBhMCQkUxHDAaBgNVBAoTMAkgA1UEBhMCQkUxHDAaBgNVBAoTMAkgA1UEBhMCQkUxHDAaBgNVBAOTMAkgA1UEBhMCQkUxHDAABgA1UEBhMCQkUxHDAABgNVBAOTMAkgA1UEBhMCQkUxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQkuxHDAABgA1UEBhMCQ$ E0NlcnRpcG9zdCBzLmEuL24udi4xLzAtBgNVBAMTJkNlcnRpcG9zdCBFLVRydXN0 IFBvaW1hcnkgUXVhbGlmaWVkIENBMIIBIiANBgkghkiG9w0BA0EFAA0CA08AMIIB CgKCAQEAriDSeNuaoHKcBFIlLG1S2NcniT0g4bLV+zBlay1/HGe0DucfEt8XeRi7 $\verb+tBtv+D11G55nN/Dx+g917YadAwShKHAtPLJroHNR4zWpdKUIPpSFJzYqqnJk/Hfu$ dpOccuu/Msd3A2olaakFr19aPH+sG7vS6Dx0Wc7xfFOtOK6W8KxvoTMMIVoBuiMa W6CGAtVT3EkfqDKzrztG07bvnzmz0Avneor2KPmnb1ApyHlYi0nSpdiFflbxaRV4 RBE116VUPqtmJdLb4xjxLivicSMJN2RDQnQylnfel6LploacJUQJ1AGdUX4ztwlEurope and the property of th5YCXDWRbdxiXpUupnhCdh/pWp88Kf0IDAOABo4GaMIGdMA4GA1UdDwEB/w0EAwIB BjAPBgNVHRMBAf8EBTADAQH/MB0GA1UdDgQWBBTwePkHdxC73B6hrnn7MBDbxjT4 FzBIBgNVHSAEQTA/MD0GCQ0QDgcBAAECADAwMC4GCCsGAQUFBwIBFiJodHRw0i8v d3d3LmUtdHJ1c30uYmUv01BTL1F0Y2VvdHMaMBEGCWCGSAGG+EIBA00EAwIABzAN BgkqhkiG9w0BAQUFAAOCAQEAbOHYX3RY6XBJ1soNLFjaymS2UU/DBmQB6YpzHZ7P Rni/04WG4j1KGJQqgXdvgvhv904i/J0YIXJguxiAgpX7+feVJIFmwbXDtdK2dos7 gVy4oQ4rARSLgAlA7vhgTBnkF80nAbNjEgWkCMm0v55QTrXeD5IzZnXQPecifOol cXz+Pi42eaHlKVAjNQWVeLufeWTcV0gnL0JcM83Cu35od6cvo0kXcuEAhGt9eq85 CyzV2FdkMmyECmp2Ot0szZ2x5zfc7AwvxVdg34j1Q7EBZCa0J4IQsqNQ75fmf7+R h7PbkKkq4no0bHNJ90iNLmuK3aGKf2PQv1ger8w/klAt0Q== ----END CERTIFICATE---

Trusted List Signer

Subject OU=Ministry of Economic Affairs, O=Belgian Federal Government, C=BE,

CN=Belgian Trust List Scheme Operator

Issuer OU=Ministry of Economic Affairs, O=Belgian Federal Government, C=BE,

CN=Belgian Trust List Scheme Operator

Not before Fri Feb 26 11:42:04 CET 2010

Not after Mon Feb 24 11:42:04 CET 2020

Serial number 15681248625855287085

Version 3

Public key SHA1 Thumbprint 0e2b1b3ce368b11ae8b9221982ce69740e3dceb9

Public key SHA256

2efdccbd9b768ea9654152816c48a53857f658c50462c12f66f5d56c0961616d

Thumbprint

```
The decoded certificate:
```

```
Subject: OU=Ministry of Economic Affairs, O=Belgian Federal Government, C=BE, CN=Belgian Trust List Scheme Operator
Signature Algorithm: SHA1withRSA, OID = 1.2.840.113549.1.1.5
Key: Sun RSA public key, 2048 bits
public exponent: 65537
Validity: [From: Fri Feb 26 11:42:04 CET 2010,
           To: Mon Feb 24 11:42:04 CET 2020
Issuer: OU=Ministry of Economic Affairs, O=Belgian Federal Government, C=BE, CN=Belgian Trust List Scheme Operator
SerialNumber: [
               d99efc8a daafcf2d]
Certificate Extensions: 4
[1]: ObjectId: 2.5.29.14 Criticality=false
SubjectKeyIdentifier [
0010: 75 CC 6E 6C
[2]: ObjectId: 2.5.29.37 Criticality=false
ExtendedKeyUsages [
0.4.0.2231.3.0
[3]: ObjectId: 2.5.29.15 Criticality=false
DigitalSignature
[4]: ObjectId: 2.5.29.19 Criticality=false
BasicConstraints:[
PathLen: undefined
Algorithm: [SHA1withRSA]
Signature:
                        D5 9F E5 E2 BF DD FA E7 .%..?....
0000: A6 25 D0 FC 3F B8 08 F8
0010: A9 C1 F0 5F 2E 7B FC 54
                         B8 1A 69 D0 2B 4F 2B BE ..._..T..i.+0+.
                        1E 6B B5 A7 CD 58 B2 1B R..S....k...X.
0020: 52 F0 D2 53 FF 11 C5 BD
0030: 1C 49 23 70 0C FD FD 1C
                         33 32 5F 2E 01 6D 43 CC .I#p....32_..mC.
                         59 77 11 4F 2B 01 22 9C
0040: D1 BF F2 A0 8C BC 6D 1A
                                            ....m.Yw.0+.
0050: 48 57 D5 E2 74 07 1F 51
                         9A C7 26 6C 1C 40 FC 41 HW..t..Q..&l.@.A
0060: 57 1F 9F F8 F4 41 03 7F
                         DF 7E E1 58 BB 68 6D 00 W....A....X.hm.
0070: 1B E4 B0 D7 03 9C 6B DC
                         17 EA 1E 49 93 16 23 B5 .....k...I..#.
0080: 82 0F 66 D2 F6 D6 BF 8D
                         1A 28 3B 4A 5A DB DF 9C
0090: 86 61 95 86 25 97 BD 40
                         09 70 9F B6 D7 C5 30 4D
                                            .a..%..@.p....0M
00A0: 24 CE F8 E4 12 30 EE 6C
                         1D 5D 47 DA 91 81 63 99 $....0.l.]G...c.
00B0: 88 4F B7 8B 8D CF 9D 69
                         7D 74 B4 56 37 5B 58 DF
                                            .0....i.t.V7[X.
00C0: CC 26 B5 11 CC 1A 20 A0
                         AF 19 00 D7 04 33 0F 8C .&....
                        EB 95 53 C4 07 13 FE 01 ...l...d..S....
00D0: 96 FC 16 6C BC B2 BC 64
                        75 D5 DB FC 69 22 9F 61
00E0: E7 AF 6E BA 99 50 5B 0C
                                           ..n..P[.u...i".a
00F0: 92 43 1B 65 1D 49 51 D5
                         51 1B 2C E1 36 BC D5 42 .C.e.IQ.Q.,.6..B
```

The certificate in PEM format:

----BEGIN CERTIFICATE----

MIID3TCCAsWgAwIBAgIJANme/Irar88tMA0GCSqGSIb3DQEBBQUAMIGGMSswKQYD VQQDE5JCZWxnaWFuIFRydXN0IExpc30gUZNoZWl1IE9wZXJhdG9yMQswCQYDVQQG EwJCRTEjMCEGA1UEChMaQwVsZ2lhbiBGZWRlcmFsIEdvdmVybmllbnQxJTAjBgNV BASTHE1pbmlzdHJ5IG9mIEVjb25vbWljIEFmZmFpcnMwHhcNMTAwMjI2MTAOMjA0 WhcNMjAwMjI0MTA0MjA0WjCBhjErMCkGA1UEAxMiQmVsZ2lhbiBUcnVzdCBMaXN0 IFNjaGVtZSBPcGVYXRvcjELMAKGA1UEBhMCQkUXIZAhBgNVBAOTGkJlbGdpYW4g RmVkZXJhbCBHb3Zlcm5tZW50MSUMIwYDVQQLExXNaW5pc3RyeSBvZiBFY29ub2lp YyBBZmZhaXJzMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAviuMAuZ4 2Bg3jIlV+lKmIFNaAgBzjDDXtP9+zqI+0f0jzBacWXR67a5hUuPggpEgPt8yGe83 dQkjmhS8hpUwZbs7WcbDgCGewT7+L5Ex4wq2sEU/9mXMbDTqyhmnxu5pDeMBfGV uBzQWWLj2ZsmRbeGEfZXbp37tT3X5ok289YbUp5ngyMrYZjlh75ncHT495JgaIVq V+y03zwJYDHeBLZDVMLcVPJX68LJ7Pbfdw0pCrf/b04AzLAMARVsWv0olMvHUIF

FxhOenzVTEkduqtBzTicZNomw5qIdK0Lb6gWEcRbvBJzgcNauln30GgXuAlWMdVd 3SOfAWQKvRb83QIDAQABo0wwSjAJBgNVHRMEAjAAMAsGA1UdDwQEAwIHgDAdBgNVHQ4EFgQUlbMH5fNSsMsP6WsAH9C0ZXXMbmwwEQYDVR0lBAowCAYGBACRNwMAMA0G CSqGSIb3DQEBBQUAA4IBAQCmJdD8P7gI6NWf5eK/3frnqcHwXy57/FS4GmnQK08r vlLw0lP/EcW9Hmulp81YshscSSNwD03tHDMyXy4BbUPM0b/yoIy8bRpZdxFPKwEi nEhX1eJ0Bx9RmscmbBxA/EFXHp745EEDf99+4Vi7aG0AG+Sw1w0ca9wX6h5JkxYj tYIPZtL21r+NGig7Slrb35yGYZWGJZe9QAlwn7bXxTBNJM745BIw7mwdXUfakYFj mYhPt4uNz51pfXS0VjdbWN/MJrURzBogoK8ZANcEMw+MlvwWbLyyvGTrlVPEBxP+ AeevbrqZUFsMddXb/Gkin2GSQxtlHUlR1VEbL0E2vNVC ----END CERTIFICATE----

The public key in PEM format:
....BEGIN PUBLIC KEY.....
MIIBIJANBgkqhkiG9w0BAQEFAAOCAQBAMIIBCgKCAQEAviuMAu242Bg3jIlV+lKm 1FNaAgBzjDDXtP9+zqI+0f0jzBacWXR67a5hUuPggpEgPt8yGe83dQkjmhS8hpUw Zbs7WcbDg0C6ewI7+LSEx4wq2sEU/9mXMbDTqyhmnxu5p0eM8fGVuBzQWWLj2Zsm $RbeGEfZXbp37tT3X5ok289YbUp5ngyMrYZjlh75ncHT495JgaIVqV+y03zwJvTDH\\ eBLZDvMucvPJX68lu7Pbfdw0pCrf/b04AzLAMARVsWv0olMvHUlFfxh0enzVTEkd$ ${\tt uqtBzTicZNomw5qIdK0Lb6gWEcRbvBJzgcNauln30GgXuA1WMdVd3S0fAWQKvRb8}$ 3QIDAQAB

-----END PUBLIC KEY-----