

Belgique/België (Belgium): Trusted List

Scheme name

BE:Supervision/Accreditation Status List of certification services from Certification Service Providers, which are supervised/accredited by the referenced Scheme Operator Member State for compliance with the relevant provisions laid down in 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 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 BE

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 2010-09-01T00:00:00.000Z

Next update 2011-01-15T00:00:00.000Z

Historical information period 10959 days

Sequence number 3

Scheme information URIs <http://tsl.belgium.be/>
<http://tsl.belgium.be/nl/>
<http://tsl.belgium.be/fr/>

Scheme Operator

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

Scheme operator street address NG III - Koning Albert II-laan 16

Scheme operator postal code 1000

Scheme operator locality Brussels

Scheme operator state Brussels

Scheme operator country BE
Scheme operator contact <http://economie.fgov.be>
<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 postal code 1000
Service provider locality Brussels
Service provider state Brussels
Service provider country BE

CN=Belgium Root CA, C=BE

Type CA/QC
Status undersupervision
Status starting time 2003-01-26T23:00:00.000Z

Service digital identity (X509)

Version 3
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
Subject CN=Belgium Root CA, C=BE
Public key Sun RSA public key, 2048 bits
modulus:
2532727247174242475310876111302551541350771290487408393990707355
3139389403581555633427000903307438065008396155423372038139338001
1292283973874375661691461475691011321537351475763725785500152445
9884908283374968661826239871065222401938973133495715806769163244
2561241462450868417538609485432931629806056877222374520561111218
9904505418533484099385023144445138975351025575749503679547226381
031300213808727950333496722494200200493483881237347138441152657
9026650775354589375802255665011941485467556333747329602589496041
6159860774175448506963241118776049541934983183035608916277217984
30948172071644141969017225065301229219951
public exponent: 65537
Subject key identifier 10f00c569b61ea573ab635976d9fddb9148edb6

Authority key identifier 10f00c569b61ea573ab635976d9fddb9148edbe6

Key usage keyCertSign
cRLSign

Basic constraints CA=true; PathLen=unlimited

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: SHA1withRSA, OID = 1.2.840.113549.1.1.5

Key: Sun RSA public key, 2048 bits
modulus:
25327272471742424753108761113025515413507712904874083939907073553139389403581555633427000903307438065008396155423372038139338001129228397387437566169146147569101132153735147
57637257855001524459884908283374968661826239871065222401938973133495715806769163244256124146245086841753860948543293162980605687722237452056111121899045054185334840993850231
44445138975351025575749503679547226381031300213808727950333349672249420020049348388123734713844115265790266507753545893758022556650119414854675563337473296025894960416159860
77417544850696324111877604954193498318303560891627721798430948172071644141969017225065301229219951
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 5324d4bb2 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 0C 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.
0020: 62 65 be
]
] ]

[5]: ObjectID: 2.5.29.15 Criticality=true
KeyUsage [
Key_CertSign
Crl_Sign
]
```

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```
[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 50 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 58 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.
0070: 02 31 AE 5C FD C8 89 BF 42 7B D7 F1 60 F2 D7 87 .1.\....B...`...
0080: F6 57 2E 7A 7E 6A 13 80 1D DC E3 D0 63 1E 3D 71 .W.z.j.....c.=q
0090: 31 B1 60 D4 9E 08 CA AB F0 94 C7 48 75 54 81 F3 1.'.....HuT...
00A0: 1B AD 77 9C E8 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.!...
00C0: 1A 21 D4 EA 2D 3B AC BA EC A7 1D AB BE B9 4A 9B .!...;.....J.
00D0: 35 2F 1C 5C 1D 51 A7 1F 54 ED 12 97 FF F2 6E 87 5/. \..Q..T.....n.
00E0: 7D 46 C9 74 D6 EF EB 3D 7D E6 59 6E 06 94 04 E4 .F.t...=.Yn....
00F0: A2 55 87 38 28 6A 22 5E E2 BE 74 12 B0 04 43 2A .U.8(j"^\t...C*
```

The certificate in PEM format:

```
-----BEGIN CERTIFICATE-----
MIIDLDCCAnygAwIBAgIQWAsFbFMk27JQVxhf+eWmUDANBgkqhkiG9w0BAQUFADAn
MQswCQYDVQQGEwJCRTYEMBYGA1UEAxMPQmVsZ21lbSBSb290IENBMB4XDTAzMDUy
NjIzMDAwMFoXDTE0MDUyNjIzMDAwMFowJzELMAkGA1UEBhMCQXJlYXN0QmVhbnVAMT
D0Jlbgpdw0gUm9vdCBDQTCASiWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEB
AMihcekcRk35eHFvna6ppKsot03HIOswkVp19eLSz8hMFJhCwK3HEcVAQGpa+X0S
J4fph0VxTi150RIYqjBeoiG52bv/9nTrMQHn035YD5EWTXaJqAFP5JmcPpLHZXB
MFjqvNl12jq0i0tJRLLf0LMVdsSUXRLJsw9q09P9vMI t7EU/CT9YvzvU7wCMgTVy
v/cY6pZ1fSsofxVsY9LKyn0FrMhtB20yvmi4BUCUvJhWPmbxM0jvXkuTXgfeMo8S
dKpbNCNUw0pszv42kqgJF+qhLc9s44Qd3ocuMws8d0IhUDiVLz95cYx+dtA+mqh
pIqTm6chBocdJ9PEocLMSG8CAwEAa0BuzCBuDA0BgNVHQ8BAf8EBAMCAQYwDwYD
VR0TAQH/BAUwAwEw/zBCBgNVHSAE0zA5MDcGBWA4AQEBMC4wLAYIKwYBBQUHAgEW
IGh0dHA6Ly9yZXBvc2l0b3J5LmVpZC5iZWxnaXVtLmJlMB0GA1UdDgQWBWBQ8AxW
m2HqVzq2Nzdt925F17b5jARBglghkgBhvhCAQEEBAMCAAcwHwYDVR0jBBgwFoAU
EPAMVpth6Lc6tjWXBZ/duRS02+YwDQYJKoZIhvcNAQEFBQADggEBAMhtILGKyfgP
lm7VILKB+MbcocxYA2s1q52sq+l1Ip0xJN9dz0w0BZV4yveeX09AuPHPTjHuD79ZC
wT+oqV0PN7p20kC9zC0/00RBSZz9Wyn0AiM1W3Ebv1jZKE4trftA57VjRUQR0Sp/
M3B25bT0bqkCma5c/ciJv0J71/Fg8teH9Lcuen5qE4Ad30P0Yx49cTGxYNSecMqr
8JTHSHVUgFMbrXec6LKP240szjzRr6L/D2fVDw2RV6xq9NoY2u1GMLxoh10o06y6
7Kcdq765Sps1LxxcHVGNH1tEpF/8m6HfUbjdNbv6z1951luBpQE5KJVhZgoaiJe
4r50ErAEQyo=
-----END CERTIFICATE-----
```

CN=Belgium Root CA2, C=BE

<i>Type</i>	CA/QC
<i>Status</i>	undersupervision
<i>Status starting time</i>	2007-10-04T10:00:00.000Z

Service digital identity (X509)

<i>Version</i>	3
<i>Serial number</i>	3098404661496965511
<i>Signature algorithm</i>	SHA1withRSA
<i>Issuer</i>	CN=Belgium Root CA2, C=BE
<i>Valid from</i>	Thu Oct 04 12:00:00 CEST 2007
<i>Valid to</i>	Wed Dec 15 09:00:00 CET 2021
<i>Subject</i>	CN=Belgium Root CA2, C=BE

Public key Sun RSA public key, 2048 bits
modulus:
2505202035897286929802442931365977782136110157856742564234839581
6436795380283967224876983130034020316820575216355360416605004533
4718830407023741150537135469000352360279650474826843696574001315
5524363953296559605768293726462748683867807979476223046936921095
0088797578757728341339292333654654510981797643030670179357915156
5262158435123606358334230710497624432217765218126527057253528859
3688668361490384043063624052887014382463758810568004079588144865
4643858460532713400822409146679502714797245542101554942867836639
3080491585356622044306227220916440412947986826263456222477031966
11536459503012648921426461410998536799349
public exponent: 65537

Subject key identifier 858aebf4c5bbbe0e590394ded6800115e3109c39

Authority key identifier 858aebf4c5bbbe0e590394ded6800115e3109c39

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:
25052020358972869298024429313659777821361101578567425642348395816436795380283967224876983130034020316820575216355360416605004533471883040702374115053713546900035236027965047
48268436965740013155524363953296559605768293726462748683867807979476223046936921095008879757875772834133929233365465451098179764303067017935791515652621584351236063583342307
10497624432217765218126527057253528859368866836149038404306362405288701438246375881056800407958814486546438584605327134008224091466795027147972455421015549428678366393080491
58535662204430622722091644041294798682626345622247703196611536459503012648921426461410998536799349
public exponent: 65537
Validity: [From: Thu Oct 04 12:00:00 CEST 2007,
To: Wed Dec 15 09:00:00 CET 2021]
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
SubjectKeyIdentifier [
KeyIdentifier [
0000: 85 8A EB F4 C5 BB BE 0E 59 03 94 DE D6 80 01 15Y.....
0010: E3 10 9C 39 ...9
]

[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.....

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```
0010: E3 10 9C 39          ...9
]

]

[4]: ObjectID: 2.5.29.32 Criticality=false
CertificatePolicies [
  [CertificatePolicyId: [2.16.56.9.1.1]
  [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.
0020: 62 65          be

]] ]
]

[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: 51 D8 85 DD BB 57 6F CC A0 6C B5 A3 20 9C 53 09 Q...Wo...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....
0030: CC 14 92 6B 74 16 8A 96 E8 51 EF BF FA 4A 25 A7 ...kt...Q...J%.
0040: 89 B6 63 2B 5D 94 58 D1 CF 11 72 B6 1E B9 39 41 ...c+].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 C0 13 BE 98 FC 96 9C 84 ..Z..i.....
0070: 7F 55 13 E6 3C 87 E3 BC 20 A4 A4 36 68 6B 4D 60 .U..<...6hkM'
0080: 66 1C F9 BF AC 80 94 66 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.*.
00A0: C6 D8 5F 5F 54 9D DB 4D CD 11 E7 FD 14 02 83 66 ...T..M.....f
00B0: 5E C8 A6 00 12 A0 5F BE CE 14 FE BB 1F A7 61 F7 ^....._.....a.
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 36 76 64 99 DC 6E EB 3D ..uW0.S.6vd..n.=
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-----
MIIDjjCCAnagAwIBAgIIVKv+n6Lw6YcwDQYJKoZIhvcNAQEFBQAwKDELMAkGA1UE
BhMCQkUxGTAXBgNVBAMTEEJlbgdpdW0gUm9vdCBDQTIwHhcNMDCxMDA0MTAwMDAw
WhcNMjE1MDgwMDAwMjAoMQswCQYDVQQGEwJCRTEZMBcGA1UEAxMQMVsZ211
bS5Bb290IENBMjCCASIAwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMZz0h6S
/3UPi790hqC/7bIYLS2X+an7mEoj39WN4IzGMhwLQdC1i22bi+n9fzGHYJd1d61
IgdMqFNAn68KNaJ6x+HK92AQZw6nHMXU5WfIp8MXW+2QbyM69odRr2nLL/zGsvU
+400HjPlltfsjFPekx40HopQcSZYtF3CiInaYnkJIT/eIwEYnm7hLHADBGXvmAYr
XR5i3FVr/mZkIV/4L+HXmymvb82fqqxG0YjFnaKvN6w/Fa7yYd/vw2uaItgscf1Y
HewApDggLVrH1Tdjuk+bqv5WR15j2Qsj1Yr6tSPwiRuhFA0m2kHw0I8w7QUmecFL
TqG4f1V50mlGhHUCaWEAAa0BuzCBuDAOBgNVHQ8BA8FEBAMCAQYwDwYDR0TAQH/
BAUwAwEB/zBCBgNVHSAE0zA5MDcGBW44CQEBMC4wLAYIKwYBBQUHAgEWIgH0dHA6
Ly9yZXBvc2l0b3J5LmVpZC5iZWxnaXVtLmJlMB0GA1UdDgQWBBSFiuuv0xbu+DlkD
lN7WgAEV4xCcOTARBg1ghkgBhvCAQEEBAMCAAcwHwYDR0jBBgwFoAUHyr9MM7
vgZ5A5Te1oABFeMQndkwDQYJKoZIhvcNAQEFBQADggEBAFHYhd27V2/MoGy1oyCc
Uwnz5GmDL8rs5qauhJyC4isHLmZr87LEwEnkoRYmhC598wUkmt0F0qW6FHvv/pK
JaeJtmMrZRY0c8RcrYeuTLBFk0pvDVTc9rejj7NqZV3JcUWumyaa7YwB0+mPyW
nIR/VRPmPIfjvCCKpDZoa01gZhz5v6yALGYuuUGK02XThIAC71AdXkbc98m6tTR8
KvPG2F9fVJ3bTc0R5/0UAoNmXsimABKqX770FP67H6dh96tK8QYUn8pJ0sKpv02F
sauB0eYXUjpu4c5nUwFAA4+Bw11V0S0U7Q2dmS23G7rPUZuFF1eR10NeE3gJ7u0
hXY=
-----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 3
Serial number 4835703278459639067624485
Signature algorithm SHA1withRSA
Issuer CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE
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
Public key Sun RSA public key, 2048 bits
modulus:
2198165027276639742335246370299919491834299685174947076499863829
7101984511083629850948734739259892644517804066934196324549964291
3192950780187748886826305662589231481198165241013890789999605732
7037799082855868763511239453871155320357733059447691386874174245
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:

```
[
  [
    Version: V3
    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
    modulus:
    21981650272766397423352463702999194918342996851749470764998638297101984511083629850948734739259892644517804066934196324549964291319295078018774888682630566258923148119816524
    7101984511083629850948734739259892644517804066934196324549964291319295078018774888682630566258923148119816524
    31929507801877488868263056625892314811981652410138907899996057327037799082855868763511239453871155320357733059447691386874174245635141852555021482829759158432322784701980502938218351647645607213503509849133047234960429
    39229874921930931967750335049019790482801757213056181588775191965365093248162094887390232254090353829320174804654449299032182277693346689585304048115718426896010472819175682
    81756655319850133808983099704728097119747491723603914973200214236187812432050305807187505398614653
    public exponent: 65537
    Validity: [From: Tue Jul 26 12:00:00 CEST 2005,
      To: Sun Jul 26 12:00:00 CEST 2020]
    Issuer: CN=Certipost E-Trust Primary Qualified CA, O=Certipost s.a./n.v., C=BE
    SerialNumber: [ 04000000 00010552 64c425]

Certificate Extensions: 5
[1]: ObjectID: 2.16.840.1.113730.1.1 Criticality=false
NetscapeCertType [
```

Belgique/België (Belgium): Trusted List

Not after Mon Feb 24 11:42:04 CET 2020
Serial number 15681248625855287085
Version 3
Public key SHA1 Thumbprint 0e2b1b3ce368b11ae8b9221982ce69740e3dceb9
Public key SHA256 Thumbprint 2efdccb9b768ea9654152816c48a53857f658c50462c12f66f5d56c0961616d

The decoded certificate:

```
[
[
Version: V3
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
modulus:
24006751729987737463285030452993902374629050526542016130031750322293743139213202784813213482709335152611031406391633037540032036565000829743608508868431427838960727335586132
72260024738022754521550978668073613848886314527876619695170205142182992106517625874476574000109694632025016183163606961399776610711940089307587500742164497411652253547139771
693345733439955849589195312738566002937623678279114644381873908075825205464253844880969308236875842871404076829907711873922725665031816974673658205335188697019790131215442
97724080223514852080052393728286375475080791685309752463786509412302789223792002372173162207444189
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 [
```

```
KeyIdentifier [
0000: 95 B3 07 E5 F3 52 B0 CB 0F E9 68 00 1F D0 B4 65 .....R....k....e
0010: 75 CC 6E 6C .....u.nl
]
```

```
[2]: ObjectID: 2.5.29.37 Criticality=false
ExtendedKeyUsages [
0.4.0.2231.3.0
]
```

```
[3]: ObjectID: 2.5.29.15 Criticality=false
KeyUsage [
DigitalSignature
]
```

```
[4]: ObjectID: 2.5.29.19 Criticality=false
BasicConstraints:[
CA:false
PathLen: undefined
]
```

```
]
Algorithm: [SHA1withRSA]
Signature:
0000: A6 25 D0 FC 3F B8 08 E8 D5 9F E5 E2 BF DD FA E7 ..%..?.....
0010: A9 C1 F0 5F 2E 7B FC 54 B8 1A 69 D0 2B 4F 2B BE ..._...T...i.+0+.
0020: 52 F0 D2 53 FF 11 C5 BD 1E 6B B5 A7 CD 58 B2 1B R...S.....k....X.
0030: 1C 49 23 70 0C ED ED 1C 33 32 5F 2E 01 6D 43 CC .I#p....32...m.C.
0040: D1 BF F2 A0 08 BC 6D 1A 59 77 11 4F 2B 01 22 9C .....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 1E 9E F8 E4 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 ..f.....(;JZ...
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 .&.....3...
00D0: 96 FC 16 6C BC B2 BC 64 EB 95 53 C4 07 13 FE 01 ...l...d...S.....
00E0: E7 AF 6E BA 99 50 5B 0C 75 D5 DB FC 69 22 9F 61 ...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-----
MIID3TCAasWgAwIBAgIJAnMe/Irar88tMA0GCSqGSIb3DQEBBQUAMIGGMSwKQYD
VQDEYjCZWhxnaWFiFRydXN0IExpca3QgU2NoZW11IE9wZjhdG9yMQswCQYDVQQG
EwJCRTEjMCEGA1UEChMaQmQmVsZ2ZlbnJlbnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bn
BAStHE1pbnlzdHJ5IG9mIEVjbnZ5bWVjIEFmZmFmZmFmZmFmZmFmZmFmZmFmZmFmZmFm
WhcNMjAwMjI0MTA0MjA0MTA0MjA0MTA0MjA0MTA0MjA0MTA0MjA0MTA0MjA0MTA0MjA0
IFNjaG9mZjZ5bWVjFRydXN0IExpca3QgU2NoZW11IE9wZjhdG9yMQswCQYDVQQG
RmVkb2ZlbnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bn
YyBZbWVkb2ZlbnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1LnN1bnN1Ln
2Bg3j1lV+KmlFNAGBzjDDXtP9+qI+0f0jzBacWXR67a5HuUgPggpEgPt8yGe83
dQkjmH58hpUwZbs7WcbDgOC6ewI7+LSE4wq2sEU/9mXMBdTqyhmXu5pOeM8fGV
uBz0WMLj2ZsmrBGeGfZXbp37tT3X5ok289YbUp5ngYMrYzjLh75ncht495JgaIVq
V+yO3ZwJvTDHeBLZDVmucvPJXG8Lu7Pbfw0pCrF/b04AZLAMARVsvH0o1MvHULF
```

Belgique/België (Belgium): Trusted List

```
Fxh0enzVTEkduqtBzTicZNomw5qIdK0Lb6gWEcRbvBJzgcNauLn30GgXuA1WmDvd
350fAWQKvRb83QIDAQABo0wSjAJBgNVHRMEAjAAMAsGA1UdDwQEAwIHgDAdBgNV
H04EFgQU1bMH5fNSMsP6WsAH9C6ZXXMbmwEQYDVR0LBAowCAYGBACRNwMAMA0G
CSqGS1b3DQEBBQUAA4IBAQCmJdD8P7gI6Nwf5eK/3frnqchWxY57/FS4GmnQK08r
vLLw0LP/Ecw9Hmu1p81YshscSSNwD03tHDMYxy4BbUPM0b/yoIy8bRpZdxFPKwEi
nEhX1eJ0Bx9RmscmbBxA/EFXHp745EEDf99+4Vi7aG0AG+Sv1w0ca9wX6h5JkxYj
tYIPZtL2l1r+NGig7S1rb35yGYZwGJZe9QALwn7bXtBNJM745BIw7mwdXUfakYfj
mYhPt4uNz51pFXS0VjdbwN/HJrURzBogok8ZANcEMw+MlvwBlyyVGT rLVPEBxP+
AeevbrqZUFsMddXb/Gkin2GSQxtLHULR1VEbLOE2vNVC
-----END CERTIFICATE-----
```

The public key in PEM format:

```
-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAuMAu242Bg3jILV+lKm
lFNAGBzjDDXtP9+zqI+0f0jzBacWXR67a5hUuPggpEgPt8yGe83dQkjmhS8hpUw
Zbs7WcbDg0C6ewI7+LSEx4wq2sEU/9mXMBDTqyhmnu5p0eM8fGVuBzQWMLj2Zsm
RbeGEfZxbp37tT3X5ok289YbUp5ngyMrYZjLh75ncHT495JgaIVqV+y03zwJvTDH
eBLZDvMucvPJX68Lu7Pbfdw0pCrF/b04AzLAMARVsvW0oLMvHU1FFxh0enzVTEkd
uqtBzTicZNomw5qIdK0Lb6gWEcRbvBJzgcNauLn30GgXuA1WmDvd350fAWQKvRb8
3QIDAQAAB
-----END PUBLIC KEY-----
```