

Kitemark™ Certificate

This is to certify that:

KPN B.V.
Fauststraat 1
7323 BA Apeldoorn
The Netherlands

Holds Certificate Number:

ETS 029

In respect of:

ETSI EN 319 411-1 v1.1.1 (Trust Service Providers issuing certificates; Part 1: General requirements)

Delivers a Trust Services according to the requirements of the standard mentioned above for services specified (see page with detailed scope).

This issues the right and license to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from the time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions..

The use of the Kitemark is authorized in respect of the Trust Services detailed on this Certificate provided at or from the addresses specified on following page(s).

For and on behalf of BSI:

Chris Lewis - Certification Director, Product Certification

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 1 of 8



003

...making excellence a habit.™

Kitemark™ Certificate

No. ETS 029

On the request of KPN B.V. (hereafter referred to as: KPN), the annual certification audit on all areas and processes was performed by BSI Group The Netherlands B.V. (John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands) on behalf of BSI Assurance UK Ltd.

The full audit covered all applicable requirements from the audit criteria listed below (see "Audit Information") and are defined in KPN's Statement of Applicability, dated 18 May 2018 and the Overview of Applicability, dated 23 April 2018.

The scope of the assessment comprised the following Trust Service Provider component services:

- Registration Service (p);
- Certificate Generation Service (c);
- Dissemination Service (c);
- Revocation Management Service (c);
- Revocation Status Service (c);
- Subject Device Provision Service (p);

The TSP component services are performed, partly (p) or completely (c) by subcontractors under the final responsibility of KPN.

These TSP component services are being provided for:

- Issuance of public key certificates (non-qualified trust service), in accordance with the policies: NCP+, OVCP, EVCP and PTC

First Issued: 2014-09-30
Latest Issue: 2018-09-28

Effective Date: 2017-09-30
Expiry Date: 2019-09-29

Page: 2 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated [online](#). Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

The certificates are issued through its issuing certification authorities, as specified below:

Root CA: Staat der Nederlanden Root CA - G2 (not in scope)

Domain CA: Staat der Nederlanden Organisatie CA (not in scope)

- Issuing CA: KPN Corporate Market CSP Organisatie CA - G2
 - + Authenticiteit (2.16.528.1.1003.1.2.5.1), in accordance with policy: NCP+;
 - + Vertrouwelijkheid (2.16.528.1.1003.1.2.5.3), in accordance with policy: NCP+
 - + Services – Authenticiteit (2.16.528.1.1003.1.2.5.4), in accordance with policy: NCP+
 - + Services – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.5), in accordance with policy: NCP+
 - + Services – Server (2.16.528.1.1003.1.2.5.6), in accordance with policy: OVCP, PTC

- Intermediate CA: KPN Corporate Market CSP Organisatie CA - G2
- Issuing CA: KPN Corporate Market CSP Justitie CA - G2
 - + Authenticiteit (2.16.528.1.1003.1.2.5.1), in accordance with policy: NCP+;
 - + Vertrouwelijkheid (2.16.528.1.1003.1.2.5.3), in accordance with policy: NCP+
 - + Services – Authenticiteit (2.16.528.1.1003.1.2.5.4), in accordance with policy: NCP+
 - + Services – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.5), in accordance with policy: NCP+
 - + Services – Server (2.16.528.1.1003.1.2.5.6), in accordance with policy: OVCP, PTC

- Issuing CA: KPN PKIOverheid Organisatie CA - G2
 - + Authenticiteit (2.16.528.1.1003.1.2.5.1), in accordance with policy: NCP+
 - + Vertrouwelijkheid (2.16.528.1.1003.1.2.5.3), in accordance with policy: NCP+
 - + Services – Authenticiteit (2.16.528.1.1003.1.2.5.4), in accordance with policy: NCP+
 - + Services – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.5), in accordance with policy: NCP+
 - + Services – Server (2.16.528.1.1003.1.2.5.6), in accordance with policy: NCP+

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 3 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

An electronic certificate can be authenticated [online](#).

Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

Root CA: Staat der Nederlanden Root CA - G3 (not in scope)

Domain CA: Staat der Nederlanden Organisatie Persoon CA - G3 (not in scope)

- Issuing CA: KPN PKIOverheid Organisatie Persoon CA - G3
 - + Persoon – Authenticiteit (2.16.528.1.1003.1.2.5.1), in accordance with policy: NCP+
 - + Persoon – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.3), in accordance with policy: NCP+

- Issuing CA: KPN BV PKIOverheid Organisatie Persoon CA - G3
 - + Persoon – Authenticiteit (2.16.528.1.1003.1.2.5.1), in accordance with policy: NCP+
 - + Persoon – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.3), in accordance with policy: NCP+

Domain CA: Staat der Nederlanden Organisatie Services CA - G3 (not in scope)

- Issuing CA: KPN PKIOverheid Organisatie Services CA - G3
 - + Services – Authenticiteit (2.16.528.1.1003.1.2.5.4), in accordance with policy: NCP+
 - + Services – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.5), in accordance with policy: NCP+

- Issuing CA: KPN BV PKIOverheid Organisatie Services CA - G3
 - + Services – Authenticiteit (2.16.528.1.1003.1.2.5.4), in accordance with policy: NCP+
 - + Services – Vertrouwelijkheid (2.16.528.1.1003.1.2.5.5), in accordance with policy: NCP+

- Issuing CA: KPN PKIOverheid Organisatie Server CA - G3
 - + Services – Server (2.16.528.1.1003.1.2.5.6), in accordance with policy: OVCP, PTC

- Issuing CA: KPN BV PKIOverheid Organisatie Server CA - G3
 - + Services – Server (2.16.528.1.1003.1.2.5.6), in accordance with policy: OVCP, PTC

First Issued: 2014-09-30
Latest Issue: 2018-09-28

Effective Date: 2017-09-30
Expiry Date: 2019-09-29

Page: 4 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated [online](#).
Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

Root CA: Staat der Nederlanden EV Root CA (not in scope)

Intermediate CA: Staat der Nederlanden EV Intermediair CA (not in scope)

- Issuing CA: KPN CM PKI Overheid EV CA
 - + EV policy OID (2.16.528.1.1003.1.2.7), in accordance with policy: EVCP
- Issuing CA: KPN PKIOverheid EV CA
 - + EV policy OID (2.16.528.1.1003.1.2.7), in accordance with policy: EVCP

Root CA: Staat der Nederlanden Private Root CA - G1 (not in scope)

Domain CA: Staat der Nederlanden Private Services CA - G1 (not in scope)

- Issuing CA: KPN PKIOverheid Private Services CA - G1
 - + Server (2.16.528.1.1003.1.2.8.6), in accordance with policy: OVCP

The TSP component services are documented in the following KPN Certification Practice Statement(s):

- KPN PKIOverheid Certification Practice Statement, v4.29 (OID: 2.16.528.1.1005.1.1.1.2)
- KPN PKIOverheid Extended Validation (EV SSL) Certification Practice Statement v1.3.1 (OID: 2.16.528.1.1005.1.1.1.5)
- KPN PKIOverheid CPS Private Services (2.16.528.1.1005.1.1.1.6)
- KPN PKIOverheid PKI Disclosure Statement

Our annual certification audit was performed in May 2018. The result of the full audit is that we conclude, based on the objective evidence collected during the certification audit for the period from 1 June 2017 through 31 May 2018, the areas assessed during the audit were generally found to be effective, based on the applicable requirements defined in KPN's Statement of Applicability, dated 18 May 2018 and the Overview of Applicability, dated 23 April 2018.

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 5 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated [online](#). Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

Audit information:

Issuing CA:

KPN Corporate Market CSP Organisatie CA - G2

Sha256 Fingerprint:

CB:37:E0:5D:BC:45:5A:09:48:1F:3E:F5:6A:AC:7E:88:76:76:A4:B6:13:46:39:4E:6E:E6:A9:44:7E:A8:D6:BD

Issuing CA:

KPN Corporate Market CSP Justitie CA - G2

Sha256 Fingerprint:

E3:BF:E8:F0:42:B2:C4:44:06:FB:54:AC:B8:5A:DD:81:E8:8F:93:66:88:4B:7B:42:94:79:68:F8:6E:7E:9A:23

Issuing CA:

KPN PKIOverheid Organisatie CA - G2

Sha256 Fingerprint:

8F:25:66:A8:FC:CF:6A:E8:C3:58:B0:B8:A6:D8:C7:FF:0A:B1:63:41:63:64:78:C8:BB:54:4E:9D:D6:AA:60:11

Issuing CA:

KPN PKIOverheid Organisatie Persoon CA - G3

Sha256 Fingerprint:

3F:78:50:25:BC:CF:AC:A4:70:1A:17:34:CE:0F:7B:30:CE:41:06:94:2C:8D:92:F4:1B:70:B0:67:ED:65:D3:54

Issuing CA:

KPN BV PKIOverheid Organisatie Persoon CA - G3

Sha256 Fingerprint:

A9:B5:69:8C:52:63:BE:FF:3D:60:72:0D:C1:84:4C:B9:5D:16:F0:6E:04:26:8B:CE:3B:E4:D6:02:82:B0:1E:F9

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 6 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

An electronic certificate can be authenticated [online](#).

Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

Issuing CA:

KPN PKIOverheid Organisatie Services CA - G3

Sha256 Fingerprint:

E9:56:B8:A1:56:87:1F:71:D4:34:CA:C7:8E:BD:23:D5:0E:FD:1A:B9:07:61:CE:43:6E:79:D0:3A:ED:13:66:4C

Issuing CA:

KPN BV PKIOverheid Organisatie Services CA - G3

Sha256 Fingerprint:

F2:2D:B6:57:A1:A9:29:84:1A:BC:AC:52:67:1A:5C:EE:8A:7D:06:95:86:AF:85:CE:16:DE:2B:05:DD:A2:22:52

Issuing CA:

KPN PKIOverheid Organisatie Server CA - G3

Sha256 Fingerprint:

88:65:B0:2E:14:03:91:67:56:13:22:C8:C1:EC:2E:77:C4:7C:F7:BE:B7:31:D2:FE:1C:BB:AC:BF:72:D1:77:2C

Issuing CA:

KPN BV PKIOverheid Organisatie Server CA - G3

Sha256 Fingerprint:

7E:08:2B:BC:56:97:6B:15:9D:46:96:54:0A:96:B6:01:48:61:4B:A9:B5:E2:9B:20:35:F7:89:BE:CF:BF:06:57

Issuing CA:

KPN CM PKI Overheid EV CA

Sha256 Fingerprint:

4B:24:C5:21:C4:76:00:E8:38:00:A3:FF:0C:2D:58:DC:02:C8:17:7E:F7:DA:69:7C:5A:80:C1:D4:86:7A:66:DD

Issuing CA:

KPN PKIOverheid EV CA

Sha256 Fingerprint:

5D:B1:D2:2D:70:66:84:F0:71:9E:89:02:FB:86:B3:46:B3:FC:9E:4D:1A:1F:92:28:3A:48:8B:C3:D1:A0:48:4B

Issuing CA:

KPN PKIOverheid Private Services CA - G1

Sha256 Fingerprint:

BD:B6:85:00:AA:AE:25:63:C5:7B:45:25:78:43:60:43:6D:3E:3F:D8:DF:97:4B:25:A7:7F:13:2C:EC:C2:A4:9D

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 7 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

An electronic certificate can be authenticated [online](#).

Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

Kitemark™ Certificate

No. ETS 029

Audit criteria:

- ETSI EN 319 411-1 v1.1.1 (2016-02) Electronic Signatures and Infrastructures (ESI) - Policy and security requirements for Trust Service Providers issuing certificates - Part 1: General requirements, for the policies: NCP+, OVCP, EVCP and PTC;
- CA/Browser Forum – Baseline Requirements Certificate Policy for the Issuance and Management of Publicly-Trusted Certificates v1.5.6 (5 February 2018);
- CA/Browser Forum – Guidelines for the Issuance and Management of Extended Validation Certificates v1.6.8 (21 December 2017)
- CA/Browser Forum - Network and Certificate System Security Requirements v1.1 (31 August 2017);
- PKIoverheid - Programma van Eisen v4.6, part 3 Basiseisen, part 3 Aanvullende eisen and the requirements from parts 3a, 3b, 3e, 3f, 3g, 3h.

Audit Period of Time:

1 June 2017 – 31 May 2018

Audit performed:

May 2018

First Issued: 2014-09-30

Latest Issue: 2018-09-28

Effective Date: 2017-09-30

Expiry Date: 2019-09-29

Page: 8 of 8

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated [online](#). Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +31 (0)20 3460 780.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.