

The certification body of TÜV Informationstechnik GmbH hereby awards this certificate to the company

Volkswagen AG
Berliner Ring 2
38440 Wolfsburg, Germany

to confirm that its trust service

VW Car2X PKI
Root-CA, RA und PCA service

fulfils all relevant requirements defined in certificate policy

**(draft) certificate policy for the
European C-ITS trust model based
on public key infrastructure**

The appendix to the certificate is part of the certificate and consists of 4 pages.

The certificate is valid only in conjunction with the conformity assessment report.



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Certificate valid until
2021-04-29

Certificate ID: 01113.20

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Essen, 2020-04-29

Dr. Christoph Sutter
Head of Certification Body

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Certificate

Certification Scheme

The certification body of TÜV Informationstechnik GmbH performs its certification on the basis of the following certification scheme:

- German document: “Zertifizierungsprogramm (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV Informationstechnik GmbH”, version 1.0 as of 2015-08-24, TÜV Informationstechnik GmbH

Evaluation Report

- „Audit Report – Initial Audit – Certificate Policy C-ITS TUVIT.01113.C-ITS, Root-CA service of VW Car2X PKI“, version 1.1 as of 2020-04-23, TÜV Informationstechnik GmbH
- „Audit Report – Initial Audit – Certificate Policy C-ITS TUVIT.01113.C-ITS, RA and PCA service of VW Car2X PKI“, version 1.1 as of 2020-04-23, TÜV Informationstechnik GmbH

Evaluation Requirements

The evaluation requirements are defined in the document: (draft) certificate policy for the European C-ITS trust model based on public key infrastructure (C-ITS CP):

- Appendix 3 of COMMISSION DELEGATED REGULATION (EU) .../... of 13.3.2019 supplementing Directive 2010/40/EU of the European Parliament and of the Council with regard to the deployment and operational use of cooperative intelligent transport systems, C(2019) 1789 final

for the following C-ITS trust model elements:

- Root-CA,
- Enrolment Authority (EA),
- Authorisation Authority (AA).

Evaluation Target

The target of evaluation is characterized by the certificate information of the inspected trust service:

Root-CA, RA and PCA service of VW Car2X PKI:

1) Root-CA

<u>Issuer of the certificate (id name):</u> rca.volkswagen.de	
<u>SHA-256 hash value:</u> 1CDB077C56197034A5D667A71C87EBF53DD04B6F6126442E C051E7A33B7E6FAA	
ID name	SHA-256 hash value
rca.volksw agen.de	1CDB077C56197034A5D667A71C87EBF53DD04 B6F6126442EC051E7A33B7E6FAA

2) Registration Authority (RA)

<u>Issuer of the certificate (id name):</u> rca.volkswagen.de	
<u>SHA-256 hash value:</u> 1CDB077C56197034A5D667A71C87EBF53DD04B6F6126442E C051E7A33B7E6FAA	
ID name	SHA-256 hash value
VWG_CAR 2X_LIVE_ PRD_CXEA RA_001	D5FCE25DAE2A8C38344D7B0BA89B013A100A 0EF87B7AB3B2C65A9643D9E21774

3) Pseudonym CA (PCA)

<u>Issuer of the certificate (id name):</u> rca.volkswagen.de	
<u>SHA-256 hash value:</u> 1CDB077C56197034A5D667A71C87EBF53DD04B6F6126442E C051E7A33B7E6FAA	
ID name	SHA-256 hash value
VWG_CAR 2X_LIVE_ PRD_CXPS CA_001	1A269B077C20BBD2AD2702B79729DE6FCA4C 9EF1BAE0752EDDC63E576A4F4487

together with the documentation of the operator:

- „Volkswagen Group Product Public Key Infrastructure – Certification Practice Statement (CPS) for the Car2X – Root-CA of the Volkswagen Group Product-PKI“, version 1.0 as of 2019-11-20, Volkswagen AG
- „Volkswagen AG Car2X Public Key Infrastructure – Certification Practice Statement for the RA and PCA services“, version 0.5 as of 2019-09-23, Technology Nexus Secured Business Solutions AB

Evaluation Result

- The target of evaluation fulfills all applicable evaluation requirements.
- The certification requirements defined in the certification system are fulfilled.

Summary of the Evaluation Requirements

The C-ITS CP contains requirements for trust services under the following headlines:

- 1 Introduction**
- 2 Publication and repository responsibilities**
- 3 Identification and authentication**
- 4 Certificate Life-cycle operational requirements**
- 5 Facility, management and operational controls**
- 6 Technical Security Controls**
- 7 Certificate profiles, CRL and CTL**
- 8 Compliance audit and other assessments**
- 9 Other Provisions**
- 10 References**