

Assurance Continuity Reassessment Report

BSI-DSZ-CC-0919-2019-RA-01

CASA 1.0

SW: 30000000__X026b/c

HW: 10 301, 10 302, 10 303, 10 304,

from

EMH metering GmbH & Co. KG



SOGIS
Recognition Agreement
for components up to
EAL 4

The IT product identified in this report certified under the certification procedure BSI-DSZ-CC-0919-2019 amended by Assurance Maintenance Procedures [5] has undergone a re-assessment of the vulnerability analysis according to the current state of the art attack methods and



based on the Security Target [6].

This reassessment confirms resistance of the product against attacks on the level of AVA_VAN.5 as stated in the product certificate.

More details are outlined on the following pages of this report.

This report is an addendum to the Certification Report BSI-DSZ-CC-0919-2019 and the Assurance Maintenance Report BSI-DSZ-CC-0919-2019-MA-01.



Common Criteria
Recognition
Arrangement
for components up to
EAL 2 and ALC_FLR
only

Bonn, 16 December 2021

The Federal Office for Information Security



Assessment

The reassessment was performed based on CC [1], CEM [2] and relevant AIS [4] and according to the BSI Certification Procedures [3] by the ITSecurity Evaluation Facility (ITSEF) TÜV Informationstechnik GmbH, approved by BSI.

The following guidance specific for the technology have been applied as a refinement of CC and CEM:

- AIS 34, Version 3, Evaluation Methodology for CC Assurance Classes for EAL 5+ and EAL 6
- AIS 46, Version 3, Informationen zur Evaluierung von kryptographischen Algorithmen und ergänzende Hinweise für die Evaluierung von Zufallszahlengeneratoren
- AIS 48, Version 1.0, Anforderungen an die Prüfung von Sicherheitsetiketten

The results are documented in an updated version of the ETR [7].

Within the scope of this reassessment parts of the guidance documentation related to the product have been updated (see [8]). The new guidance document replaces specific statements from the guidance documentation [9] as explained in [8] and summarized in the next paragraph.

Conclusion

This reassessment confirms resistance of the product against attacks on the level AVA_VAN.5 as claimed in the Security Target [6].

The obligations and recommendations as outlined in the certification and maintenance reports [5] are still valid and have to be considered.

The obligations and recommendations as outlined in the guidance documentation as outlined in [5] and [8] have to be considered by the user of the product.

Especially, the following instruction from [8] needs to be followed when using the TOE:

- Due to a possible weakness in the DNS service, the URL of the Gateway Administrator has to be filled in as IPv4 or IPv6 address. The use of host names is not allowed.

Bibliography

- [1] Common Criteria for Information Technology Security Evaluation, Version 3.1, Part 1: Introduction and general model, Revision 4, September 2012
Part 2: Security functional components, Revision 4, September 2012
Part 3: Security assurance components, Revision 4, September 2012
<http://www.commoncriteriaportal.org>
- [2] Common Methodology for Information Technology Security Evaluation (CEM), Evaluation Methodology, Version 3.1, Rev. 4, September 2012,
<http://www.commoncriteriaportal.org>
- [3] BSI certification: Scheme documentation describing the certification process (CC-Produkte) <https://www.bsi.bund.de/zertifizierung>
- [4] Application Notes and Interpretations of the Scheme (AIS) as relevant for the TOE¹ <https://www.bsi.bund.de/AIS>
- [5] Certification Report BSI-DSZ-CC-0919-2019 for CASA 1.0 (Software Version: 30000000__X026b, Hardware Version: 10 301 / 10 302 / 10 303 / 10 304) from EMH metering GmbH & Co. KG,
Bundesamt für Sicherheit in der Informationstechnik, 17 December 2019

amended by the following Assurance Maintenance Report:

BSI-DSZ-CC-0919-2019-MA-01 for CASA 1.0 (Software Version: 30000000__X026c, Hardware Version: 10 301 / 10 302 / 10 303 / 10 304) from EMH metering GmbH & Co. KG,
Bundesamt für Sicherheit in der Informationstechnik, 4 June 2020
- [6] CASA 1.0 Security Target (CASA-ST), Version 2.01, 23 March 2020, EMH metering GmbH & Co. KG
- [7] EVALUATION TECHNICAL REPORT SUMMARY (ETR SUMMARY), Version 1, 2021-12-13, TÜV Informationstechnik GmbH (confidential document)
- [8] CASA 1.0 (CASA-AGD) Installations- und Konfigurationshandbuch für Service-Techniker und Gateway-Administratoren – Korrekturdokument, Version 1.17-Korrektur. 09.02.2021, EMH metering GmbH & Co. KG
- [9] CASA (CASA-AGD) Installations- und Konfigurationshandbuch für Service-Techniker und Gateway-Administratoren, Version 1.18, 2020-03-20

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- AIS 32, Version 7, CC-Interpretationen im deutschen Zertifizierungsschema
- AIS 34, Version 3, Evaluation Methodology for CC Assurance Classes for EAL 5+ and EAL 6
- AIS 46, Version 3, Informationen zur Evaluierung von kryptographischen Algorithmen und ergänzende Hinweise für die Evaluierung von Zufallszahlengeneratoren
- AIS 48, Version 1.0, Anforderungen an die Prüfung von Sicherheitsetiketten