Audit Attestation for

Hellenic Academic & Research Institutions Certification Authority ("HARICA")

Reference: No. 280622-01-AL

Thessaloniki, 2022-06-28

To whom it may concern,

This is to confirm that QMSCERT has audited the CAs of the GREEK UNIVERSITIES NETWORK (dba "GUNET"), owner of HELLENIC ACADEMIC & RESEARCH INSTITUTIONS CERTIFICATION AUTHORITY ("HARICA"), without findings.

This present Audit Attestation Letter is registered under the unique identifier number "280622-01-AL" and consists of 12 pages.

Kindly find here below the details accordingly.

In case of any question, please contact:

QMSCERT
90, 26th October Str.
546 27 Thessaloniki, Greece
E-Mail: ict-certification@qmscert.com
Phone: +30 2310 443041

With best regards,

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Lazaros Karanikas
Managing Director

Identification of the conformity assessment body (CAB) and assessment organization acting as ETSI auditor:	- QMSCERT 26th October Str., 90 546 27 Thessaloniki Greece Registered under nº 042094606000 - Accredited by ACCREDIA under registration 272B[1] for the certification of trust services according to "EN ISO/IEC 17065:2013" and "ETSI EN 319 403 V2.2.2 (2015-08)" and/or "ETSI EN 319 403-1 V2.3.1 (2020-06)" respectively. - Insurance Carrier (BRG section 8.2): AIG Europe S.A., Policy No. P2301004773 - Third-party affiliate audit firms involved in the audit: None.
Identification and qualification of the audit team:	- Number of team members: Two (2) - Academic qualifications of team members: All team members have formal academic qualifications or professional training or extensive experience indicating general capability to carry out audits based on the knowledge given below and at least four years full time practical workplace experience in information technology, of which at least two years have been in a role or function relating to relevant trust services, public key infrastructure, information security including risk assessment/management, network security and physical security. - Additional competences of team members: All team members have knowledge of: 1) audit principles, practices and techniques in the field of CA/TSP audits gained in a training course of at least five days; 2) the issues related to various areas of trust services, public key infrastructure, information security including risk assessment/management, network security and physical security; 3) the applicable standards, publicly available specifications and regulatory requirements for CA/TSPs and other relevant publicly available specifications including standards for IT product evaluation; and 4) the Conformity Assessment Body's processes. Furthermore, all team members have language skills appropriate for all organizational levels within the CA/TSP organization; note-taking, report-writing, presentation, and

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https://services.accredia.it/ppsearch/accredia_orgmask.jsp?ID_LINK=1733&area=310&PPSEARCH_ORG_SEARCH_MASK_ORG=3761&PPSEARCH_ORG_SEARCH_MASK_SCHEMI=&PPSEARCH_ORG_SEARCH_MASK_SCHEMI_ALTRI=&PPSEARCH_ODC_SEARCH_MASK_SETTORE_ACCR=&PPSEARCH_ORG_SEARCH_MASK_CITTA=&PPSEARCH_ORG_SEARCH_MASK_PROVINCIA=&PPSEARCH_ORG_SEARCH_MASK_REGIONE=&PPSEARCH_ORG_SEARCH_MASK_STATO=&orgtype=all&PPSEARCH_ORG_SEARCH_MASK_SCOPO=&PPSEARCH_ORG_SEARCH_MASK_PDFACCREDITAMENTO=&submitBtn=Cerca

	interviewing skills; and relevant personal attributes: objective, mature, discerning, analytical, persistent and realistic.
	• Professional training of team members: See "Additional competences of team members" above. Apart from that are all team members trained to demonstrate adequate competence in: a) knowledge of the CA/TSP standards and other relevant publicly available specifications; b) understanding functioning of trust services and information security including network security issues; c) understanding of risk assessment and risk management from the business perspective; d) technical knowledge of the activity to be audited; e) general knowledge of regulatory requirements relevant to TSPs; and f) knowledge of security policies and controls.
	• Types of professional experience and practical audit experience: The CAB ensures, that its personnel performing audits maintains competence on the basis of appropriate education, training or experience; that all relevant experience is current and prior to assuming responsibility for performing as an auditor, the candidate has gained experience in the entire process of CA/TSP auditing. This experience shall have been gained by participating under supervision of lead auditors in a minimum of four TSP audits for a total of at least 20 days, including documentation review, on-site audit and audit reporting.
	• Additional qualification and experience Lead Auditor: On top of what is required for team members (see above), the Lead Auditor a) has acted as auditor in at least three complete TSP audits; b) has adequate knowledge and attributes to manage the audit process; and c) has the competence to communicate effectively, both orally and in writing.
	• Special skills or qualifications employed throughout audit: none.
	• Special Credentials, Designations, or Certifications: All members are qualified and registered assessors within the accredited CAB.
	• Auditors code of conduct incl. independence statement: Code of Conduct as of Annex A, ETSI EN 319 403 or ETSI EN 319 403-1 respectively.
Identification and qualification of the reviewer performing	• Number of Reviewers/Audit Quality Managers involved independent from the audit team: One (1)

audit quality management:	• The reviewer fulfils the requirements as described for the Audit Team Members above and has acted as an auditor in at least three complete CA/TSP audits.

Identification of the CA / Trust Service Provider (TSP):	GREEK UNIVERSITIES NETWORK ("GUNET") Network Operation Center, National and Kapodistrian University of Athens, Panepistimioupoli Ilissia 157 84 Athens Greece Registered under 13392/28-9-2000

Type of audit:	☐ Point in time audit ☐ Period of time, after x month of CA operation ☒ Period of time, full audit
Audit period covered for all policies:	2021-03-30 to 2022-03-29
Point in time date:	none, as audit was PoT audit
Audit dates:	2022-03-28 to 2022-04-05 (on site)
Audit locations:	MR1, Thessaloniki, Greece (operations) MR4, Thessaloniki, Greece (disaster recovery)

Standards considered:	European Standards: ☐ ETSI TS 119 495 V1.5.1 (2021-04) ☐ ETSI EN 319 421 V1.1.1 (2016-03) ☒ ETSI EN 319 411-2, V2.4.1 (2021-11) ☒ ETSI EN 319 411-1, V1.3.1 (2021-05) ☒ ETSI EN 319 401, V2.3.1 (2021-05) CA Browser Forum Requirements: ☒ EV SSL Certificate Guidelines, version 1.7.8 ☒ Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, version 1.8.2 ☒ Baseline Requirements for the Issuance and Management of Code Signing Certificates, version 2.7 For the Trust Service Provider Conformity Assessment: ☒ ETSI EN 319 403-1 V2.3.1 (2020-06) ☒ ETSI TS 119 403-2 V1.2.4 (2020-11)

The full annual audit was based on the following policy and practice statement documents of the CA / TSP:

1. [CP/CPS] Certificate Policy/ Certification Practice Statement, version 4.5, dated 2022-03-23

2. [CP/CPS] Certificate Policy/ Certification Practice Statement, version 4.4, dated 2021-05-21

3. [CP/CPS] Certificate Policy/ Certification Practice Statement, version 4.3, dated 2021-02-18

No major or minor non-conformities have been identified during the audit.

No incidents have been reported or remain open within the audit period.

Distinguished Name	SHA-256 fingerprint	Applied policy and OID	Technical constraints
C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2011	BC104F15A48BE709DCA542A7E1D4B9DF6F054527E802EAA92D595444258AFE71	ETSI EN 319 411-1: LCP, NCP, NCP+, DVCP, OVCP, IVCP; ETSI EN 319 411-2: QCP-l, QCP-l-qscd, QCP-n, QCP-n-qscd	nameConstraints Permitted: DNS:gr DNS:eu DNS:edu DNS:org DNS:net email:.gr email:.eu email:.edu email:.org

Table 1: Root-CA in scope of the audit

The TSP named the Sub-CAs that have been issued by the aforementioned Root-CA, that are listed in the following table and that have been covered in this audit.

Distinguished Name	SHA-256 fingerprint	Applied policy OID	EKU
CN=Technical University of Crete CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BDBCFE1193FBB923ABEE14CA66228FEC890B18E02102C0D9A98EF2E8626ECA7B	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=National and Kapodistrian University of Athens CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	58AA92961C1E035054ADDA64E883BFAE1B21439CBF7AD61E33F67DC56E295F6A	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Greek Academic Network CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	8CFE1315B167FCBFC8B1A9EB54E97F13282EE2507E0D23B0148D053AE8736FE3	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined

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CN=Aristotle University of Thessaloniki Central CA R5,O=Aristotle University of Thessaloniki,C=GR	E83566E6F599481678C0D99892169C87F77914C621FDF1E659C7085772D4A487	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Technological Educational Institution of Thessaloniki CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ADEB0AC1B37F5DA44A6848E14B735970F920FF9C7625DA8AA099A89EA6D77C72	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Athens University of Economics and Business CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	452E84552410D43DE588499E33BB5D28D5E79B871706496A3F4242E854B90A5B	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined
CN=University of Western Macedonia CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	08A2773F908B89E35F83DC270AFB8BC65E8D192F0DD24B5211617168D60DD3AB	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=University of the Peloponnese CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	C973BEACA65449451E5C4131570D05E72F34D2ADEBD94DB2E51E9A544E1E0101	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Technological Educational Institution of Thessaly CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BF8ABE927D18EB66EF9FB525ED20EE091EB782A48FDA6F4CF232D0668FCD5CC6	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=HEAL-LINK Hellenic Academic Libraries Link CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FCD733CF243AA322F1890A19B922F6FAADCF33C44985372F1FD40360E5DB4540	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined
CN=Greek School Network CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	A046697FB859F0C26BB1360C0DE6E4A914B3BAE8C0631A56EC688923F9541EEA	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined

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CN=University of Ioannina CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	3A5F4EF758DAD62E4369246445E068E4DADFDD4862DCDC352CBCA3F58CB1028A	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Technological Educational Institution of Central Macedonia CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	6777464451C99B85B12AD323F73F7136C82BF4D13E175E9508258FC1375C73C7	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Technological Educational Institute of Epirus CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FD2954A6BC7F47DD443F6164D8454245BB0CFE9CF55ACE37DBB35B8E4895A7D9	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=University of Macedonia CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	17B4E0AD0482A3D027F58BDFC8A9BD55F75CABC8DF059A4056A16CC8DEE533EF	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=University of Patras CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	1BA440F7EB048A402A87091C4940740462549A2AF3962F8BC7184AD0B04B831D	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Democritus University of Thrace CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	F71DA328231C30D7E3C059C6261423D10C4FF2C8EB92EB9093A5D9AF7160AB55	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=University of Piraeus CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	3ABCE953019DF2581EDACAB58BE8E143FE690A7F93C28C373C207627F818264E	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined

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CN=CEDEFOP CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	0619905C92CAEC89788DB557AB177B0A4CD50531E3ED57F27370B7EC8DAC1B5A	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined
CN=Technological Educational Institute of Western Greece CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	0B89633F122F75821950AE27E0BADD40D49BB50F0CB1B75EE4F4662ACE4CB3D8	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Piraeus University of Applied Sciences CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BA8ED190E9325AED4382C684463102501F831B96F63E88CA35F2FE1BBC8C22C0	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined
CN=Harokopio University CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	26F7ADB721CC2D3E26DF063A6FE28739894B1847060C351DC6F5311C57DF0B5F	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=University of Crete CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FC8889A411D1910B7A6DE159FB328F84DFFD2756A39A78E91CB9BB90C6FEA6E4	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n	Not defined
CN=International Hellenic University CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	884C51D643BE1126E72F3B1B7238BA57E0268C1D6C4A22ACDD6249C1758A53B6	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Panteion University of Social and Political Sciences CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	23D3AA2C53136F789FF7C231E92B6210FCC7B80E5DA4287C5DF1BC525B4F4612	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined
CN=Eastern Macedonia and Thrace Institute of Technology CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FBEACB1EE5BD5F33515C64AC752FF078224D88EE406474C331F9543D4B721846	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	Not defined

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CN=Hellenic Academic and Research Institutions AdminCA R6,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	A3077125D69FC9CD99B5DAA7CFE80A0EF2B2E984E6D71ED078BF2424E9A6CFD5	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP	Not defined
CN=HARICA SSL Intermediate CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	F470AE8A7371800FC9F394EED7167B45E6AA38EAB020093864985C15C1E8B8CB	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication
CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	F28A97AC28CFED10A93A7F078F978C8F6204C9D8451F745D5FEBBD6E0B6D4D7C	[Cross-Certificate]	Not defined
CN=Academy of Athens Client CA R1,O=Academy of Athens,L=Athens,C=GR	DDAA5F72E10FD3AD072AD2C0D21958DBF1709E7AED13B38C264728FCE5C9BA1E	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311 .10.3.12
CN=HARICA Qualified Legal Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	93ADD7C8486BF15A416949E1637BC219A3455E374E0EAF980153035AB17F3EC5	ETSI EN 319 411-2: QCP-l-qscd, QCP-l	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311 .10.3.12
CN=HARICA Qualified Natural Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	357554CED3C49BA13DDD55A5682629B6FCE2ACFC4519AB2BE04B3A8601A59F2F	ETSI EN 319 411-2: QCP-n-qscd, QCP-n	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311 .10.3.12
CN=Institute of Accelerating Systems and Applications SSL CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	918D2995DA1BE219E3A7E4BA2DAFA11A025EEBF4D4A35A3A8B2DB99E792C687E	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication

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CN=Ionian University SSL CA R1,O=Ionian University,L=Kerkyra,C=GR	9DF0D3D5540DEAE996C1B26DA31D0ED4E60EFDF3A3DA39B63FA8381D3BA893DA	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication
CN=Institute of Accelerating Systems and Applications Client CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	DC1AB1EFCA2083FE1EA6D0D3DC4A7879D5CC6D3DA3F0A81E94C8699D3AA7CB0E	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12
CN=Ionian University Client CA R1,O=Ionian University,L=Kerkyra,C=GR	C95A9426410E11E70EED947806FD87F6F0DE77B98F1C454BE10D35C4442DC1DD	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12
CN=HARICA S/MIME RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	E530511259D33FB3EDD38E0E799FF9E8F99D4DB2DA0DEE08EAF5A6D15CCE9BFC	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication, E-mail Protection
CN=HARICA Client Authentication RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	D25B6C50594F6119DC3AB2E59F5509FC904F10C4FFA757C0129EEBDA86BFFCB1	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication

Table 2: Sub-CA's issued by the Root-CA or its Sub-CA's in scope of the audit

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Modifications record

Version	Issuing Date	Changes
Version 1	2022-06-28	Initial attestation

End of the audit attestation letter.

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