Code Signing BR Audit Attestation for

Hellenic Academic & Research Institutions

Certification Authority ("HARICA")

Reference: 220626-02-AL

Thessaloniki, 2026-06-26

To whom it may concern,

This is to confirm that "QMSCERT Audits Inspections Certifications S.A. (Q-CERT S.A.)" has audited the CAs of the "GREEK UNIVERSITIES NETWORK (dba GUNET)", owner of HELLENIC ACADEMIC & RESEARCH INSTITUTIONS CERTIFICATION AUTHORITY ("HARICA") without critical findings.

This present Audit Attestation Letter is registered under the unique identifier number "220626-02-AL" covers multiple Root-CAs and consists of 24 pages.

Kindly find here below the details accordingly.

In case of any question, please contact:

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With best regards,

ELENI BAKIRTZI
Digitally signed by ELENI BAKIRTZI
Date: 2026.06.26 08:40:32 +03'00'

Eleni Bakirtzi
Head of Conformity Assessment Body

General audit information

Identification of the conformity assessment body (CAB) and assessment organization acting as ETSI auditor
• QMSCERT Audits Inspections Certifications S.A. (Q-CERT S.A.), 5 Maria Kallas Str., 555 35, Pylaia, Thessaloniki, Greece, registered under nº 042094606000 • Accredited by ACCREDIA under registration no. 01326[1] for the certification of trust services according to “EN ISO/IEC 17065:2012” and “ETSI EN 319 403 V2.2.2 (2015-08)” / “ETSI EN 319 403-1 V2.3.1 (2020-06)”. • 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 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:

[1] 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

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 audit quality management
• Number of Reviewers/Audit Quality Managers involved independent from the audit team: Two (2) • 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:	☒ Period of time, full audit
Audit period covered for all policies:	2025-03-30 to 2026-03-29
Point in time date:	none, as audit was a period of time audit

Audit dates:	2025-03-30 to 2026-03-29
Audit location:	KEDEK, Thessaloniki, Greece (operations) MR1, Thessaloniki, Greece (operations) MR4, Thessaloniki, Greece (disaster recovery)

Root 1: Hellenic Academic and Research Institutions RootCA 2011

Standards considered:	European Standards: • ETSI EN 319 411-1 V1.4.1 (2023-10) • ETSI EN 319 401 V3.1.1 (2024-06) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates, version 2.2.5 • Network and Certificate System Security Requirements, version 1.7 For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.3.1 (2023-03)

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

- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.11, as of 2025-11-28
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.10.1, as of 2025-06-20
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.9, as of 2025-03-14

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

To the best of our knowledge, no incidents have occurred within this Root-CA’s hierarchy during the audited period.

Distinguished Name	SHA-256 fingerprint	Applied policy
CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BC104F15A48BE709DCA542A7E1D4B9DF6F054527E802EAA92D595444258AFE71	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP

Table 1: Root-CA 1 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
CN=Academy of Athens Client CA R1,O=Academy of Athens,L=Athens,C=GR	DDAA5F72E10FD3AD072AD2C0D21958DBF1709E7AED13B38C264728FCE5C9BA1E	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Legal Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	93ADD7C8486BF15A416949E1637BC219A3455E374E0EAF980153035AB17F3EC5	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Natural Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	357554CED3C49BA13DDD55A5682629B6FCE2ACFC4519AB2BE04B3A8601A59F2F	[Technically-constrained non-Code Signing CA]
CN=Institute of Accelerating Systems and Applications SSL CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	918D2995DA1BE219E3A7E4BA2DAFA11A025EEBF4D4A35A3A8B2DB99E792C687E	[Technically-constrained non-Code Signing CA]
CN=Ionian University SSL CA R1,O=Ionian University,L=Kerkyra,C=GR	9DF0D3D5540DEAE996C1B26DA31D0ED4E60EFDF3A3DA39B63FA8381D3BA893DA	[Technically-constrained non-Code Signing CA]

CN=Institute of Accelerating Systems and Applications Client CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	DC1AB1EFCA2083FE1EA6D0D3DC4A7879D5CC6D3DA3F0A81E94C8699D3AA7CB0E	[Technically-constrained non-Code Signing CA]
CN=Ionian University Client CA R1,O=Ionian University,L=Kerkyra,C=GR	C95A9426410E11E70EED947806FD87F6F0DE77B98F1C454BE10D35C4442DC1DD	[Technically-constrained non-Code Signing CA]
CN=HARICA S/MIME RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	E530511259D33FB3EDD38E0E799FF9E8F99D4DB2DA0DEE08EAF5A6D15CCE9BFC	[Technically-constrained non-Code Signing CA]
CN=HARICA Client Authentication RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	D25B6C50594F6119DC3AB2E59F5509FC904F10C4FFA757C0129EEBDA86BFFCB1	[Technically-constrained non-Code Signing CA]

Table 2: Sub-CA’s issued by the Root-CA 1 or its Sub-CA’s in scope of the audit

Root 2: Hellenic Academic and Research Institutions RootCA 2015

Standards considered:	European Standards: • ETSI EN 319 421 V1.2.1 (2023-05) • ETSI EN 319 411-1 V1.4.1 (2023-10) • ETSI EN 319 401 V3.1.1 (2024-06) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates, version 2.2.5 • Network and Certificate System Security Requirements, version 1.7 For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.3.1 (2023-03)

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

- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.11, as of 2025-11-28
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.10.1, as of 2025-06-20
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.9, as of 2025-03-14

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

To the best of our knowledge, no incidents have occurred within this Root-CA’s hierarchy during the audited period.

Distinguished Name	SHA-256 fingerprint	Applied policy
CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	A040929A02CE53B4ACF4F2FFC6981CE4496F755E6D45FE0B2A692BCD52523F36	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP; ETSI EN 319 421: BTSP

Table 3: Root-CA 2 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
CN=Hellenic Academic and Research Institutions Time Stamping CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	F78AAE1DF78D403F2B3A4EFF20083E189925780DB3FD56DECB9C6133714D7F3E	ETSI EN 319 421: BTSP
CN=HARICA S/MIME RSA SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	5C97E0FD1EBD6E136A71626F860AB5D65B797E7ED3C1C1BF4E653822375A4644	[Technically-constrained non-Code Signing CA]
CN=HARICA Client Authentication RSA SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	15DACB49F048B95408A0EEC6891729D9235CCAE32F45CFDA07175402BEE78300	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Legal Entities SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	CDF27EEA0C3A5512369108FD74635D2D4CF50E94D6CA199BED7DE81B0D09A336	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Natural Entities SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	094F78C53EC5D8082BC5D5AAD1B11D5DF952BE56933358DBF5963542913A50CD	[Technically-constrained non-Code Signing CA]

CN=Aristotle University of Thessaloniki SSL RSA SubCA R2,O=Aristotle University of Thessaloniki,L=Thessaloniki,C=GR	0EE82CEB7ECA241CCC29D4E588062C43E447EDE6C696F135ACC411966126BA83	[Technically-constrained non-Code Signing CA]
CN=Academy of Athens SSL SubCA R2,O=Academy of Athens,L=Athens,C=GR	DC9455CA47F5FD9BF3BBABBEACF88F3DEB3B58BFA85AF404DFD21617CE90A0DD	[Technically-constrained non-Code Signing CA]
CN=Ecclesiastical Academy of Vella SSL RSA SubCA R2,O=University Ecclesiastical Academy of Vella of Ioannina,L=Ioannina,C=GR	CDFF27AFA3DAF9F706AA7AC530298337E520C8B10A22F6514E00E21FD2873B79	[Technically-constrained non-Code Signing CA]
CN=GRnet SSL RSA SubCA R2,O=Greek Research and Technology Network,L=Athens,C=GR	C161F5AADE40FBC9723F0892DE963D4D10405561A6BDC69A72798F918BED19CD	[Technically-constrained non-Code Signing CA]
CN=HARICA SSL RSA SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	70B6A10C0CA76DECE7ADBE970B76A37D8A02857B134C7505B184EBD5FCA4F3EA	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Legal Entities SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	C6CB08B5D6DFE461AECE9AA3CF03AF7FED1341C9E6EE0052129C27CA754933F2	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Natural Entities SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ADDBE88B468154CF8F7773288C8C50F760879E490892AA9272815B814E721E7D	[Technically-constrained non-Code Signing CA]
CN=HARICA S/MIME RSA SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	593C4AB6066CDF6185067F562677FDDFF533656DB4BD2D577735301704150218	[Technically-constrained non-Code Signing CA]

CN=GRNET TLS RSA SubCA R1,O=National Infrastructures for Research and Technology,L=Athens,C=GR	88CE49E3A4FA37EAE28E8E35F8FF8CF7568CA845639CEF3B8DFDF4E4693AC14A	[Technically-constrained non-Code Signing CA]
CN=International Hellenic University TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	9C782F6B0558ADCB1CC9EF845320D14592C9220FCF0030C0980D9D753B06624F	[Technically-constrained non-Code Signing CA]
CN=University of Ioannina TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	46727B90C5A5F73375082D9B1BC9F17B445F5020A95E37DFDF1EF20B287C5115	[Technically-constrained non-Code Signing CA]
CN=University of Patras TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	673E34D7E1E6B25C187F391CC49138B4722A907E33F5B7487B613BB6DFE78909	[Technically-constrained non-Code Signing CA]
CN=National Technical University of Athens TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1E8F051F2226F992D17B7CF17F0DECE0AA769902E9FE8D11F35B19B18A5A14F1	[Technically-constrained non-Code Signing CA]
CN=University of the Aegean TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	7E2C537397E7B8D9B24D87F304C96EA057A407CE11D0B66D99BA4B8A22BB1167	[Technically-constrained non-Code Signing CA]
CN=HARICA EV Code Signing RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	0324BF1DE988B39D2A86F6A217B21940D631EFB746898E838C49120DA63749AC	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA EV TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	F628264C79DBFBDFCFDEC643171BDCBD4DE7483F9C80EA59068887AE449A2E48	[Technically-constrained non-Code Signing CA]

CN=HARICA QWAC RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),L=Athens,C=GR	DAB3FA0D6E821006FE709AE12176ABA2F397706CC9C71F5C1C0D098044DAEBDC	[Technically-constrained non-Code Signing CA]
CN=Athens University of Economics and Business TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	3995B01A17800AECF5480E939D9DA44EDCCC7CF2935657C6179D5A1EFA25D74D	[Technically-constrained non-Code Signing CA]
CN=CEDEFOP TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	44CE97F5C957DD056D44C3E1BDFCEB2CF9A7B428ED089839264336303BCAC7EF	[Technically-constrained non-Code Signing CA]
CN=Democritus University of Thrace TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	220040DDA377C944429E8CE913B7D81B36DE34EBF2DC218D2066393D94863439	[Technically-constrained non-Code Signing CA]
CN=Greek Universities Network TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	DC9993DC33A71FD95808787D19A4B55704E601D57EBCEACC8802C78B5C36F5C7	[Technically-constrained non-Code Signing CA]
CN=HEAL-LINK Hellenic Academic Libraries Link TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	8C0994B2AED0085FE542813EE03C4B2D732ECDCC257AE6453114C6C875933BD4	[Technically-constrained non-Code Signing CA]
CN=Harokopio University TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	BA425122F31D9BAE7CBE1E7FA2FF437ADF283E014333485F7691CB856AEC776A	[Technically-constrained non-Code Signing CA]
CN=Inst. of Accelerating Systems and Applications TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	146C1CF9BB7D231060D0FABD986E9850F00501F5A3B7B6AC42C51B38C8E22A23	[Technically-constrained non-Code Signing CA]

CN=Ionian University TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	DA0C4981F6336E06C129F7E8143B2A54AA85A14A63CA44FCE2CDDC69EEE788C9	[Technically-constrained non-Code Signing CA]
CN=Panteion Univ. of Social and Political Sciences TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	F0043E9FEFB37AEA794E690437DC239D6BD2C5CA0FB58A12244555A1A8A2A01A	[Technically-constrained non-Code Signing CA]
CN=Greek School Network TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	CFDFEF037CFDBD6BB0E311E9BB281CA60271C5DAE2695312033806FA4B0E94B7	[Technically-constrained non-Code Signing CA]
CN=Technical University of Crete TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1AF8B4D49C5A7B6DA536DEA92FDFAF45736205AFCA2DAFFFAECB712DA9C3EBD1	[Technically-constrained non-Code Signing CA]
CN=University of Piraeus TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	25EED131D7193597E48D4E36536CC5CFFBF9EB2042C62573AE8968D8A3695F1C	[Technically-constrained non-Code Signing CA]
CN=National and Kapodistrian University of Athens TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1744B474101FE6A91936F5E60307C63DA58B88405B045323DEC8C8C00176AF77	[Technically-constrained non-Code Signing CA]
CN=University of Crete TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	5DABDA046272EEC89ECB95A6297DBA910D0144F7EEB5814D073AE54A4A8CF646	[Technically-constrained non-Code Signing CA]
CN=University of Macedonia TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	6539235A5A1F94180C5233EAF8A5D67102DEAA16C0751AEF35B3E67CE5607F29	[Technically-constrained non-Code Signing CA]

CN=University of the Peloponnese TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1C9D3E8E0CF1E4F39C734D19E479AE971FC3066C000353A2B6AF32795A97EA1B	[Technically-constrained non-Code Signing CA]
CN=University of Western Macedonia TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	EFB44844F37EE6DE3FB4CC8D2C0C832FC8FEEBA9506237E0D1FC7AD4574A4CCA	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Time Stamping RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	1D3BDB9882F3D16AD807903DA797EC4ABAC27365D9B3C9B0E227B6B7E265972A	ETSI EN 319 421: BTSP
CN=University of West Attica TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1E3349CD366A93E59EF4152A1E483DAC6076184C5D46D4CDA00E6093EFC9E6A3	[Technically-constrained non-Code Signing CA]
CN=HARICA Institutional Client SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	FEE2CD981C00C5CF3B0A47F3F4BC5DB1E6F4307AD45CE78F998F9BCBD82478EA	[Technically-constrained non-Code Signing CA]
CN=Greek Federation of Judicial Officers Client RSA SubCA R4,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	8884A7E1A5E7FED19E60E3598E10EF2105ADFF02A0B91DF227069097F9DFDB62	[Technically-constrained non-Code Signing CA]

CN=Ministry of Digital Governance (Hellenic Republic) SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	6014F88C181CA075E2F7B82A1F518FA604A22486ABB72A76591962FB08646C63	[Technically-constrained non-Code Signing CA]
CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR [Cross-Certificate]	4ACD8DC6020A545A858943A553B5E0F3FC5B859AEA1746650D69CF1210F956D8	[Technically-constrained non-Code Signing CA]
CN=HARICA Institutional TLS RSA,O=Hellenic Academic and Research Institutions CA,C=GR	C5B4ABBD3BAE38114A3A823A8AC4CD31C45465B7C1CEBD84F36D72054AFBE8BB	[Technically-constrained non-Code Signing CA]
CN=ACER Client RSA SubCA R3,O=Agency for the Cooperation of Energy Regulators,L=Ljubljana,C=SI	B8355501E3658AAA20986EFB67A1064ED9E9ACE94CA9E87C8BEE93946E0333E6	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Code Signing RSA 2,O=Hellenic Academic and Research Institutions CA,C=GR	9B92D7AA0D29B18AFE9E7A66A1BB1A332361B5EE061964A2FC12085093C0D799	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Time-stamping Certificates RSA 2,O=Hellenic Academic and Research Institutions CA,C=GR	668A4E057F27DF063D0D37C0A6142AAAF786F405DFC5A30F7A7DD5B02DD5A922	ETSI EN 319 421: BTSP
CN=HARICA Code Signing RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR [Cross-Certificate]	2EDB3472C14ABB088840B8CD3EA70A65A620F4D2C54A05291DA786F685AFE8F4	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP

Table 4: Sub-CA’s issued by the Root-CA 2 or its Sub-CA’s in scope of the audit

Root 3: Hellenic Academic and Research Institutions ECC RootCA 2015

Standards considered:	European Standards: • ETSI EN 319 421 V1.2.1 (2023-05) • ETSI EN 319 411-1 V1.4.1 (2023-10) • ETSI EN 319 401 V3.1.1 (2024-06) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates, version 2.2.5 • Network and Certificate System Security Requirements, version 1.7 For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.3.1 (2023-03)

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

- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.11, as of 2025-11-28
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.10.1, as of 2025-06-20
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.9, as of 2025-03-14

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

To the best of our knowledge, no incidents have occurred within this Root-CA’s hierarchy during the audited period.

Distinguished Name	SHA-256 fingerprint	Applied policy
CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	44B545AA8A25E65A73CA15DC27FC36D24C1CB9953A066539B11582DC487B4833	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP; ETSI EN 319 421: BTSP

Table 5: Root-CA n 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
CN=HARICA Code Signing ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	013932465EE4FC2448D0C9AEEEA049DE9063AF5E773E8A501AB626F0957E1345	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Client Authentication ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	4D63F8747A9680F81882B62D0FA993C33581D314C5B596FA373DF92B2C65D4FF	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Legal Entities ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	DD5BAC4F1BB5356AE98D3F0C8E24C59DF84199A56F78F1C161196AAD70283094	[Technically-constrained non-Code Signing CA]
CN=HARICA Qualified Natural Entities ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	4D961AEE0D2DD0ADF433B4AAC261CE5871665CF39FCA1B4838AE6620DA685046	[Technically-constrained non-Code Signing CA]
CN=HARICA S/MIME ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	9CD07290E8BEDD99CF7397F94CB012B22EEC13DA52ED94F3017A2EA4146EA98D	[Technically-constrained non-Code Signing CA]

CN=HARICA SSL ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	11D5EF460DAB3582B742123127127D54040FB1C206E26F025CB58458F225111A	[Technically-constrained non-Code Signing CA]
CN=HARICA Administration SSL ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	3E1479804765A62BB7BD4F0DDEBB55A946A2063CD2882F05461B1754F1B667B1	[Technically-constrained non-Code Signing CA]
CN=HARICA EV Code Signing ECC SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	523EC59EC9E637E635F8BE2954D56D7624371B10BAEC6D123C11D84BFD7D5261	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA EV TLS ECC SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	701EB23F95564CD5569CD20E5F05C2888900BAE9BA03ABF5ABE57BFE04B54A60	[Technically-constrained non-Code Signing CA]
CN=HARICA QWAC ECC SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),L=Athens,C=GR	BA0312F7B72F6B64B4CCEE34B5F628CF65A1F3B9F16B8DFE7ADA90C54E475A1C	[Technically-constrained non-Code Signing CA]
CN=HARICA Administration Client ECC SubCA R3,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	978011D478E7BC4C3BCBB2F2659759278AA41A17F53F0AED132726281CE34BAF	[Technically-constrained non-Code Signing CA]
CN=HARICA TLS ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR [Cross-Certificate]	50E27F90EB6AF495B0E6EEB655CC89444C27D3C95B6823FA02ABDC95F1636AE1	[Technically-constrained non-Code Signing CA]

CN=HARICA Institutional TLS ECC,O=Hellenic Academic and Research Institutions CA,C=GR	B67E4E92286E168A916F3DBCADC3F0B83DBC0ADBE43F995C1FAAD316DDEC75D8	[Technically-constrained non-Code Signing CA]
CN=HARICA Code Signing ECC 2,O=Hellenic Academic and Research Institutions CA,C=GR	F2CB382030F2910E8D5E4D1BA98992AFA7635BFECB5F76BEF53FD822ED691F0E	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Code Signing ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR [Cross-Certificate]	AC70544B35F91FB5CAD41698ABDD6825FCDEBDF6E082100190B8F1F437F92195	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP

Table 6: Sub-CA’s issued by the Root-CA n or its Sub-CA’s in scope of the audit

Root 4: HARICA Code Signing RSA Root CA 2021

Standards considered:	European Standards: • ETSI EN 319 421 V1.2.1 (2023-05) • ETSI EN 319 411-1 V1.4.1 (2023-10) • ETSI EN 319 401 V3.1.1 (2024-06) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates, version 2.2.5 • Network and Certificate System Security Requirements, version 1.7 For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.3.1 (2023-03)

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

- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.11, as of 2025-11-28
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.10.1, as of 2025-06-20
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.9, as of 2025-03-14

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

To the best of our knowledge, no incidents have occurred within this Root-CA’s hierarchy during the audited period.

Distinguished Name	SHA-256 fingerprint	Applied policy
C=GR, O=Hellenic Academic and Research Institutions CA, CN=HARICA Code Signing RSA Root CA 2021	C40EBDCD75A90E4B7496ABB23E789A48E33C03284F75D95130575AE6860AE13C	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP; ETSI EN 319 421: BTSP

Table 7: Root-CA n 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
CN=HARICA Code Signing RSA,O=Hellenic Academic and Research Institutions CA,C=GR	EC00641B7881FD98F9A325E9C7F72BB3ACD69E8CE0C304B216C745819DB5DA80	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA EV Code Signing RSA,O=Hellenic Academic and Research Institutions CA,C=GR	703C9D761E3A5C26642050256ACEE30687CBE16B8F49EC9B0CAFB4B8EDBE1EA0	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Time-stamping Certificates RSA,O=Hellenic Academic and Research Institutions CA,C=GR	C4929E65D20856C526C86152C94528C9E2969BF29A8FA3DBE9841929A55325A9	ETSI EN 319 421: BTSP

Table 8: Sub-CA’s issued by the Root-CA n or its Sub-CA’s in scope of the audit

Root 5: HARICA Code Signing ECC Root CA 2021

Standards considered:	European Standards: • ETSI EN 319 421 V1.2.1 (2023-05) • ETSI EN 319 411-1 V1.4.1 (2023-10) • ETSI EN 319 401 V 3.1.1 (2024-06) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates, version 2.2.5 • Network and Certificate System Security Requirements, version 1.7 For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) ETSI TS 119 403-2 V1.3.1 (2023-03)

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

- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.11, as of 2025-11-28
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.10.1, as of 2025-06-20
- [CP/CPS] Certificate Policy and Certification Practices Statement for the Hellenic Academic and Research Institutions Public Key Infrastructure, version 4.9, as of 2025-03-14

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

To the best of our knowledge, no incidents have occurred within this Root-CA’s hierarchy during the audited period.

Distinguished Name	SHA-256 fingerprint	Applied policy
C=GR, O=Hellenic Academic and Research Institutions CA, CN=HARICA Code Signing ECC Root CA 2021	794E774638CE7B3CF05EBC8967CF47315316C351DC26387476E0C099C2ED47CC	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP; ETSI EN 319 421: BTSP

Table 9: Root-CA n 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
CN=HARICA Code Signing ECC,O=Hellenic Academic and Research Institutions CA,C=GR	CEC58A70EE816F2FE9E9D1F5E84AB99E41AC892779F17495C0146FA298A3D654	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA EV Code Signing ECC,O=Hellenic Academic and Research Institutions CA,C=GR	5C8C6D8D72F71849DFA7EE1856C479158677789BC901ACB09BCE2714EB1628E5	ETSI EN 319 411-1: NCP, NCP+, OVCP, IVCP, EVCP
CN=HARICA Time-stamping Certificates ECC,O=Hellenic Academic and Research Institutions CA,C=GR	5A9E55A4106BE11467E606C4C6C2A7F016C5D14FD9A866AB7F511DC110D6B5CA	ETSI EN 319 421: BTSP

Table 10: Sub-CA’s issued by the Root-CA n or its Sub-CA’s in scope of the audit

Modifications record

Version	Issuing Date	Changes
Version 1	2026-06-26	Initial attestation

End of the audit attestation letter.