

# Q-CERT

## CERTIFICATE OF TRUST SERVICES PROVISION

This is to certify that the Trust Service Provider

**ACADEMIC NETWORK**  
**Network Operation Center,**  
**National and Kapodistrian University of Athens,**  
**Panepistimioupoli Ilissia, 157 84, Athens, Greece**  
operative units

**IT Center, Biology Building, 1<sup>st</sup> floor, Aristotle University of  
Thessaloniki, 541 24, Thessaloniki, Greece**

provides the following services

**SSL/TLS Certificates (DVCP, OVCP)**  
**Client Certificates, Code Signing Certificates (LCP, NCP, NCP+)**  
**Client Certificates for EU Advanced Electronic Signatures/Seals (QCP-n, QCP-I)**  
**Client Certificates for EU Qualified Electronic Signatures/Seals (QCP-n+qscd, QCP-I+qscd)**  
**EU Qualified and non-Qualified Electronic Timestamps (BTSP)**

under the name

**HELLENIC ACADEMIC & RESEARCH INSTITUTIONS  
CERTIFICATION AUTHORITY (HARICA)**

in conformance with the following standards

**ETSI EN 319 411-1, ETSI 319 411-2 and  
ETSI 319 421**

The certificate is valid only in conjunction with the Conformity Assessment Report (CAR) which is appended as Annexes A, B and C, and consists of 9 pages in total.



June 28, 2019  
Certification Period Ending

June 13, 2018  
Certification Date

June 29, 2017  
Initial Certification Date

  
For the QMSCERT Board

Certificate Number: 290617-7 rev.1



# QMSCERT®

Conformity Assessment Report – Main Body: Annex A to Certificate No: 290617-7 rev.1

Organization Name: Academic Network (GUNET)

Certification Authority Name: Hellenic Academic & Research Institutions Certification Authority (HARICA)

Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

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## Background

HARICA Public Key Infrastructure (PKI) is a Qualified Trust Service Provider, which certifies the identities of network users, servers and provides accurate digital Time-Stamps.

HARICA PKI is a consortium between equal members that are Academic Institutions, Research Institutions and the Greek Research and Technology Network (GRNET) which is the Greek National Research and Educational Network (NREN) and began during the VNOC2 project (funded by GRNET through the Operational Program "Information Society"). HARICA is currently funded by the Greek Academic Network (GUNET). This service is available for entities that request and successfully acquire a digital certificate issued by a Subordinate CA that chains to one of HARICA's publicly trusted Root CA Certificates.

IT Center of Aristotle University of Thessaloniki (AUTH), which is one of the consortium members, has been appointed as HARICA's operator for all activities which relate to the delivery of its Trust Services. A Policy Management Committee (PMC) with members from both GUNET and AUTH IT Center is responsible for the management, whereas the General Assembly of GUNET, on which AUTH is also represented, holds the high oversight of the HARICA TSP activities.

HARICA has been certified for ETSI TS 101 456, ETSI TS 102 042 standards since 2011, and ETSI EN 319 411-1, ETSI EN 319 411-2, ETSI EN 319 421 since 2017. It is included in the National Trusted Services List (TSL) of Greece as a Qualified Trust Service Provider (QTSP) and it is the only Greek Certification Authority which participates in all major Root CA Programs (Apple, Microsoft, Mozilla).

## Assessment Context

Q-CERT Ltd (distinctive title of "QMSCERT"), as the body carrying out the audit, is accredited by the official Italian Accreditation System (ACCREDIA) as conforming to ISO/IEC 17065 and ETSI EN 319 403 for the certification of Trust Service Providers against the Regulation (EU) 910/2014 – eIDAS and the supporting ETSI European Norms (Accreditation Certificate: [PRD No.272B](#)).

Q-CERT Ltd is also accredited by the official Hellenic Accreditation System (ESYD) as conforming to ISO/IEC 17065 for product certification in other business sectors (Accreditation Certificate: [No.654-3](#)).

Both ESYD and ACCREDIA are full members and signatories to the multilateral agreement (MLA) of both International Accreditation Forum (IAF) and the European Cooperation for Accreditation (EA).

QMSCERT is committed to providing and maintaining certification services that are discrete, non-discriminatory, ethical, professional, and focused to legal and other implied or expressed requirements for the benefit of all interested and relevant parties.

## Specifications Context

The audit was conducted in accordance with:

- REGULATION (EU) No. 910/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC

for the following trust services defined in the above Regulation:

- creation of certificates for advanced electronic signatures (QCP-n)
- creation of qualified certificates for electronic signatures (QCP-n-qscd)
- creation of certificates for advanced electronic seals (QCP-l)



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- creation of qualified certificates for electronic seals (QCP-I-qscd)
- creation of qualified electronic time stamps (BTSP)

It also included the following trust services, which are not in the scope of the above Regulation:

- creation of certificates for “non-qualified” (EU) electronic signatures, client authentication and S/MIME (LCP, NCP, NCP+)
- creation of certificates for publicly trusted web site authentication (DVCP, OVCP)
- creation of certificates for code signing (NCP, NCP+)
- creation of “non-qualified” (EU) electronic time stamps (BTSP)

Audit included all applicable requirements of the relevant ETSI European Norms and in particular:

| Name                                  | Scope  |
|---------------------------------------|--|
| ETSI EN 319 411-1<br>V1.1.1 (2016-02) | Provision of Non-Qualified Trust Services (SSL/TLS Certificates, Client Certificates, Code Signing Certificates) with the following Certificate Policy Identifiers:<br><b>LCP, NCP, NCP+, DVCP, OVCP</b> |
| ETSI EN 319 411-2<br>V2.1.1 (2016-02) | Provision of Qualified Trust Services (Client Certificates) with the following Certificate Policy Identifiers:<br><b>QCP-n, QCP-I, QCP-n+qscd, QCP-I+qscd</b>  |
| ETSI EN 319 421<br>V1.1.1 (2016-03)   | Provision of Non-Qualified and Qualified Timestamping Services with the following Time-stamp Policy Identifiers:<br><b>BTSP</b>  |

and, where applicable, has included all related CA/Browser Forum Requirements and in particular:

- Baseline Requirements Certificate Policy for the Issuance and Management of Publicly-Trusted Certificates, Version 1.5.6 effective on March 9, 2018
- Network and Certificate System Security Requirements, v.1.1, effective on March 9, 2018.

## Audit Procedure

Audit Team has been selected based on proficiency and competency in order to prepare and carry out the audit, report its results and submit its recommendation for Technical Review and Certification Decision, according to the established internal procedures of the Certification Body.

Audit was conducted on-site as a single phase and included:

- Review of documentation updates since previous audit, which verified the conformance of documented statements, policies and procedures against the Specifications Context.
- Management system implementation review, which verified that all audited policies and procedures (documented or not) were properly implemented into the actual operations of the organization in conformance with the Specifications Context
- Product verification, which verified that all audited products (certificates, timestamps) were conformant to the product requirements set in the Specifications Context.

Audit took place on sampling basis, under the inherent limitations of the system controls themselves and only in the scope and purpose of the Specifications Context. Its purpose was to verify the conformance of the CA's trust services against the requirements of the eIDAS Regulation and relevant standards.

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**Conformity Assessment Report – Main Body: Annex A to Certificate No: 290617-7 rev.1**

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An audit report was documented by the audit team, and its recommendation was submitted for technical review and certification decision, according to the Certification Body's standard procedures and regulations (TSP Audit Regulation in particular, which has been drafted according to the Accreditation Body's TSP Regulation). The conditions to conduct the audit were fully met prior and during the audit.

## **Audit Target**

All audited CA Certificates are listed in Annex B.

All audited CA and TSU Certificates to be included in the EU TSL, are listed in Annex C.

The following public documents of the TSP have been the subject matter of the audit:

- [CP/CPS] Certificate Policy/ Certification Practice Statement, version 3.6 dated 28.02.2018
- [TSA PS] TSA Practice Statement, version 3.6 dated 28.02.2018
- [SA] Subscriber Agreement (PDS Document), version 1.1 dated 28.02.2018

Examination Period includes records from **June 10, 2017 to March 30, 2018**.

## **Audit Results**

### Overview

During technical review, all audit results and internal reports were reviewed, and the TSP was found to be **fully compliant** with the provisions of the Specifications Context. **Improvement remarks** have also been submitted by the Certification Body for review by the TSP, in order to assist its continuous efforts for improvement, in line with the PDCA model. This Certificate and its Annexes (A, B, C) have been issued by the Certification Body in order to officially confirm this assessment.



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## eIDAS Compliance

The following table contains the results of the assessment for all the applicable eIDAS requirements for the trust services, which are in the Specification Context:

| Service(s)   | Article   | Requirements (paragraphs, clauses)   | Result    |
|--|---|--|-----------|
| All  | Accessibility for persons with disabilities                 | Article 15   | Compliant |
| All  | Security requirements applicable to trust service providers | Article 19: p1 – p2  | Compliant |
| All  | Requirements for qualified trust service providers          | Article 24: p1 (a), (d)<br>Article 24: p2 (a) – (k)<br>Article 24: p3 – p4 | Compliant |
| Creation of certificates for qualified electronic signatures | Qualified certificates for electronic signatures            | Article 28 p1 – p4   | Compliant |
| Creation of certificates for qualified electronic seals      | Qualified certificates for electronic seals                 | Article 38 p1 – p4   | Compliant |
| Creation of qualified electronic time stamps                 | Requirements for qualified electronic time stamps           | Article 42 p1 (a) – (c)  | Compliant |

## Next Audit

In order for this Certificate to remain valid until its expiration date, audit shall take place before June 9, 2019 at the latest. However, due to HARICA's adherence to the CA/Browser Forum Baseline Requirements and participation to Application Software Suppliers' Root CA Programs, a full audit for in-scope CAs shall take place each year, with a maximum audit period of 12 months, thus next audit is scheduled to take place **before March 30, 2019**.

# QMSCERT®

Conformity Assessment Report – Root and Sub-CAs List: Annex B to Certificate No: 290617-7 rev.1

Organization Name: Academic Network (GUNET)

Certification Authority Name: Hellenic Academic & Research Institutions Certification Authority (HARICA)

Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

## LIST OF AUDITED CERTIFICATES – ROOT CAs

|   | Subject Distinguished Name  | Certificate Fingerprint   | SHA-256 | Technically Constrained   |
|---|---|---|---------|---|
| 1 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2011              | BC:10:4F:15:A4:8B:E7:09:DC:A5:42:A7:E1:D4:B9:DF:6F:05:45:27:E8:02:EA:A9:2D:59:54:44:25:8A:FE:71 |         | nameConstraints Permitted:<br>DNS:gr<br>DNS:eu<br>DNS:edu<br>DNS:org<br>DNS:net<br>email:.gr<br>email:.eu<br>email:.edu<br>email:.org |
| 2 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2015     | A0:40:92:9A:02:CE:53:B4:AC:F4:F2:FF:C6:98:1C:E4:49:6F:75:5E:6D:45:FE:0B:2A:69:2B:CD:52:52:3F:36 |         |   |
| 3 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions ECC RootCA 2015 | 44:B5:45:AA:8A:25:E6:5A:73:CA:15:DC:27:FC:36:D2:4C:1C:B9:95:3A:06:65:39:B1:15:82:DC:48:7B:48:33 |         |   |

## LIST OF AUDITED CERTIFICATES – SUBORDINATE CAs

|   | Subject Distinguished Name   | Certificate Fingerprint   | SHA-256 | Technically Constrained                 |
|---|--|---|---------|---|
| 1 | /C=GR/O=Aristotle University of Thessaloniki/CN=Aristotle University of Thessaloniki Central CA R5   | E8:35:66:E6:F5:99:48:16:78:C0:D9:98:92:16:9C:87:F7:79:14:C6:21:FD:F1:E6:59:C7:08:57:72:D4:A4:87 |         | Name Constraints                        |
| 2 | /C=GR/L=Athens/O=Academy of Athens/CN=Academy of Athens Client CA R1   | DD:AA:5F:72:E1:0F:D3:AD:07:2A:D2:C0:D2:19:58:DB:F1:70:9E:7A:ED:13:B3:8C:26:47:28:FC:E5:C9:BA:1E |         | Extended Key Usage and Name Constraints |
| 3 | /C=GR/L=Athens/O=Academy of Athens/CN=Academy of Athens SSL CA R1  | 1B:17:31:E8:7D:86:E1:60:18:B8:AB:B8:A7:B9:EC:FA:73:10:1A:8C:D1:1A:CB:6D:65:5A:6F:B1:5C:66:F1:A8 |         | Name Constraints                        |
| 4 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions AdminCA R5                  | 7B:EC:78:27:E0:5D:19:31:DD:82:68:9A:F6:B2:F1:9A:3F:5E:4C:75:6E:FA:16:2B:D7:08:C9:27:9D:1A:9E:4E |         | Name Constraints                        |
| 5 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions AdminCA R6                  | A3:07:71:25:D6:9F:C9:CD:99:B5:DA:A7:CF:E8:0A:0E:F2:B2:E9:84:E6:D7:1E:D0:78:BF:24:24:E9:A6:CF:D5 |         | Name Constraints                        |
| 6 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Athens University of Economics and Business CA R2                       | 45:2E:84:55:24:10:D4:3D:E5:88:49:9E:33:BB:5D:28:D5:E7:9B:87:17:06:49:6A:3F:42:42:E8:54:B9:0A:5B |         | Name Constraints                        |
| 7 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=CEDEFOP CA R1   | 06:19:90:5C:92:CA:EC:89:78:8D:B5:57:AB:17:7B:0A:4C:D5:05:31:E3:ED:57:F2:73:70:B7:EC:8D:AC:1B:5A |         | Name Constraints                        |
| 8 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions Code Signing CA R1 | 68:49:4D:76:5B:5E:71:40:4F:56:D0:6A:1A:85:3A:27:C3:69:B9:6B:7D:40:5E:ED:9B:D7:9E:0F:C3:08:EB:0F |         | Extended Key Usage                      |
| 9 | /C=GR/L=Athens/O=Hellenic Academic and Research  | F2:8A:97:AC:28:CF:ED:10:A9:3  |         | Cross Certificate                       |



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Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

|    | Subject Distinguished Name   | Certificate Fingerprint   | SHA-256 | Technically Constrained                 |
|----|--|---|---------|---|
|    | Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2015  | A:7F:07:8F:97:8C:8F:62:04:C9:D8:45:1F:74:5D:5F:EB:BD:6E:0B:6D:4D:7C                             |         |   |
| 10 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Democritus University of Thrace CA R1                           | F7:1D:A3:28:23:1C:30:D7:E3:C0:59:C6:26:14:23:D1:0C:4F:F2:C8:EB:92:EB:90:93:A5:D9:AF:71:60:AB:55 |         | Name Constraints                        |
| 11 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions ECC AdminCA R1      | 0E:73:44:10:84:BB:9B:4E:23:50:AE:9C:22:1D:E2:EF:3C:C3:08:93:3A:68:3A:86:94:EA:1F:2B:07:D3:20:42 |         | Name Constraints                        |
| 12 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=HARICA Qualified Legal Entities SubCA R1               | 93:AD:D7:C8:48:6B:F1:5A:41:69:49:E1:63:7B:C2:19:A3:45:5E:37:4E:0E:AF:98:01:53:03:5A:B1:7F:3E:C5 |         | Extended Key Usage                      |
| 13 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=HARICA Qualified Natural Entities SubCA R1             | 35:75:54:CE:D3:C4:9B:A1:3D:DD:55:A5:68:26:29:B6:FC:E2:AC:FC:45:19:AB:2B:E0:4B:3A:86:01:A5:9F:2F |         | Extended Key Usage                      |
| 14 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Greek Academic Network CA R2                                    | 8C:FE:13:15:B1:67:FC:BF:C8:B1:A9:EB:54:E9:7F:13:28:2E:E2:50:7E:0D:23:B0:14:8D:05:3A:E8:73:6F:E3 |         | Name Constraints                        |
| 15 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=HEAL-LINK Hellenic Academic Libraries Link CA R2                | FC:D7:33:CF:24:3A:A3:22:F1:89:0A:19:B9:22:F6:FA:AD:CF:33:C4:49:85:37:2F:1F:D4:03:60:E5:DB:45:40 |         | Name Constraints                        |
| 16 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Harokopio University CA R1                                      | 26:F7:AD:B7:21:CC:2D:3E:26:DF:06:3A:6F:E2:87:39:89:4B:18:47:06:0C:35:1D:C6:F5:31:1C:57:DF:0B:5F |         | Name Constraints                        |
| 17 | /C=GR/L=Athens/O=Institute of Accelerating Systems and Applications/CN=Institute of Accelerating Systems and Applications Client CA R1 | DC:1A:B1:EF:CA:20:83:FE:1E:A6:D0:D3:DC:4A:78:79:D5:CC:6D:3D:A3:F0:A8:1E:94:C8:69:9D:3A:A7:CB:0E |         | Extended Key Usage and Name Constraints |
| 18 | /C=GR/L=Athens/O=Institute of Accelerating Systems and Applications/CN=Institute of Accelerating Systems and Applications SSL CA R1    | 91:8D:29:95:DA:1B:E2:19:E3:A7:E4:BA:2D:AF:A1:1A:02:5E:EB:F4:D4:A3:5A:3A:8B:2D:B9:9E:79:2C:68:7E |         | Name Constraints                        |
| 19 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=International Hellenic University CA R1                         | 88:4C:51:D6:43:BE:11:26:E7:2F:3B:1B:72:38:BA:57:E0:26:8C:1D:6C:4A:22:AC:DD:62:49:C1:75:8A:53:B6 |         | Name Constraints                        |
| 20 | /C=GR/L=Kerkyra/O=Ionian University/CN=Ionian University Client CA R1  | C9:5A:94:26:41:0E:11:E7:0E:ED:94:78:06:FD:87:F6:F0:DE:77:B9:8F:1C:45:4B:E1:0D:35:C4:44:2D:C1:DD |         | Extended Key Usage and Name Constraints |
| 21 | /C=GR/L=Kerkyra/O=Ionian University/CN=Ionian University SSL CA R1   | 9D:F0:D3:D5:54:0D:EA:E9:96:C1:B2:6D:A3:1D:0E:D4:E6:0E:FD:F3:A3:DA:39:B6:3F:A8:38:1D:3B:A8:93:DA |         | Name Constraints                        |
| 22 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Panteion University of Social and Political Sciences CA R1      | 23:D3:AA:2C:53:13:6F:78:9F:F7:C2:31:E9:2B:62:10:FC:C7:B8:0E:5D:A4:28:7C:5D:F1:BC:52:5B:4F:46:12 |         | Name Constraints                        |
| 23 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Greek School Network CA R2                                      | A0:46:69:7F:B8:59:F0:C2:6B:B1:36:0C:0D:E6:E4:A9:14:B3:BA:E8:C0:63:1A:56:EC:68:89:23:F9:54:1E:EA |         | Name Constraints                        |
| 24 | /C=GR/O=Hellenic Academic and Research Institutions  | F4:70:AE:8A:73:71:80:0F:C9:F  |         |   |



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Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

|    | Subject Distinguished Name  | Certificate Fingerprint   | SHA-256 | Technically Constrained |
|----|---|---|---------|-------------------------|
|    | Cert. Authority/CN=HARICA SSL Intermediate CA R1  | 3:94:EE:D7:16:7B:45:E6:AA:38<br>:EA:B0:20:09:38:64:98:5C:15:<br>C1:E8:B8:CB                                 |         |                         |
| 25 | /C=GR/L=Lamia/O=Technological Education Institute of Central Greece/CN=Technological Education Institute of Central Greece CA R1                              | 08:65:86:9B:3F:C8:22:56:62:1<br>3:DE:93:3F:08:4C:FE:51:26:73<br>:D2:A3:8E:39:9A:BA:EA:9C:EA:<br>91:B3:40:B3 |         | Name Constraints        |
| 26 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institution of Central Macedonia CA R3                       | 67:77:46:44:51:C9:9B:85:E1:2<br>A:D3:23:F7:3F:71:36:C8:2B:F4<br>:D1:3E:17:5E:95:08:25:8F:C1:<br>37:5C:73:C7 |         | Name Constraints        |
| 27 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Eastern Macedonia and Thrace Institute of Technology CA R1                             | FB:EA:CB:1E:E5:BD:5F:33:51:5<br>C:64:AC:75:2F:F0:78:22:4D:88<br>:EE:40:64:74:C3:31:F9:54:3D:<br>4B:72:18:46 |         | Name Constraints        |
| 28 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institute of Epirus CA R3                                    | FD:29:54:A6:BC:7F:47:DD:44:3<br>F:61:64:D8:45:42:45:BB:0C:FE<br>:9C:F5:5A:CE:37:DB:B3:5B:8E:<br>48:95:A7:D9 |         | Name Constraints        |
| 29 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Piraeus University of Applied Sciences CA R1   | BA:8E:D1:90:E9:32:5A:ED:43:8<br>2:C6:84:46:31:02:50:1F:83:1B<br>:96:F6:3E:88:CA:35:F2:FE:1B:<br>BC:8C:22:C0 |         | Name Constraints        |
| 30 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institution of Thessaloniki CA R3                            | AD:EB:0A:C1:B3:7F:5D:A4:4A:6<br>8:48:E1:4B:73:59:70:F9:20:FF<br>:9C:76:25:DA:8A:A0:99:A8:9E:<br>A6:D7:7C:72 |         | Name Constraints        |
| 31 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institution of Thessaly CAR1<br><b>REVOKED AT 24/11/2017</b> | B1:B1:1D:37:FC:32:7C:DD:ED:1<br>D:7C:30:6A:F8:1A:E1:EA:0B:BA<br>:D7:AE:E7:25:FB:84:8D:D4:8D:<br>49:3E:E3:54 |         | Name Constraints        |
| 32 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institution of Thessaly CA R2                                | BF:8A:BE:92:7D:18:EB:66:EF:9<br>F:B5:25:ED:20:EE:09:1E:B7:82<br>:A4:8F:DA:6F:4C:F2:32:D0:66:<br>8F:CD:5C:C6 |         | Name Constraints        |
| 33 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technological Educational Institute of Western Greece CA R1                            | 0B:89:63:3F:12:2F:75:82:19:5<br>0:AE:27:E0:BA:DD:40:D4:9B:B5<br>:0F:0C:B1:B7:5E:E4:F4:66:2A:<br>CE:4C:B3:D8 |         | Name Constraints        |
| 34 | /C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions Time Stamping CA R1               | F7:8A:AE:1D:F7:8D:40:3F:2B:3<br>A:4E:FF:20:08:3E:18:99:25:78<br>:0D:B3:FD:56:DE:CB:9C:61:33:<br>71:4D:7F:3E |         | Extended Key Usage      |
| 35 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Technical University of Crete CA R1  | BD:BC:FE:11:93:FB:B9:23:AB:E<br>E:14:CA:66:22:8F:EC:89:0B:18<br>:E0:21:02:C0:D9:A9:8E:F2:E8:<br>62:6E:CA:7B |         | Name Constraints        |
| 36 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=University of Piraeus CA R1  | 3A:BC:E9:53:01:9D:F2:58:1E:D<br>A:CA:B5:8B:E8:E1:43:FE:69:0A<br>:7F:93:C2:8C:37:3C:20:76:27:<br>F8:18:26:4E |         | Name Constraints        |
| 37 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=National and Kapodistrian University of Athens CA R2                                   | 58:AA:92:96:1C:1E:03:50:54:A<br>D:DA:64:E8:83:BF:AE:1B:21:43<br>:9C:BF:7A:D6:1E:33:F6:7D:C5:<br>6E:29:5F:6A |         | Name Constraints        |
| 38 | /C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=University of Crete CA R3  | FC:88:89:A4:11:D1:91:0B:7A:6<br>D:E1:59:FB:32:8F:84:DF:FD:27<br>:56:A3:9A:78:E9:1C:B9:BB:90:<br>C6:FE:A6:E4 |         | Name Constraints        |
| 39 | /C=GR/O=Hellenic Academic and Research Institutions   | 3A:5F:4E:F7:58:DA:D6:2E:43:6  |         | Name Constraints        |



# QMSCERT®

Conformity Assessment Report – Root and Sub-CAs List: Annex B to Certificate No: 290617-7 rev.1

Organization Name: Academic Network (GUNET)

Certification Authority Name: Hellenic Academic & Research Institutions Certification Authority (HARICA)

Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

|    | Subject Distinguished Name  | Certificate Fingerprint   | SHA-256 | Technically Constrained |
|----|---|---|---------|-------------------------|
|    | Cert. Authority/CN=University of Ioannina CA R2   | 9:24:64:45:E0:68:E4:DA:DF:DD<br>:48:62:DC:DC:35:2C:BC:A3:F5:<br>8C:B1:02:8A                                 |         |                         |
| 40 | /C=GR/O=Hellenic Academic and Research Institutions<br>Cert. Authority/CN=University of Macedonia CA R1   | 17:B4:E0:AD:04:82:A3:D0:27:F<br>5:8B:DF:C8:A9:BD:55:F7:5C:AB<br>:C8:DF:05:9A:40:56:A1:6C:C8:<br>DE:E5:33:EF |         | Name Constraints        |
| 41 | /C=GR/O=Hellenic Academic and Research Institutions<br>Cert. Authority/CN=University of the Peloponnese CA R2                                   | C9:73:BE:AC:A6:54:49:45:1E:5<br>C:41:31:57:0D:05:E7:2F:34:D2<br>:AD:EB:D9:4D:B2:E5:1E:9A:54:<br>4E:1E:01:01 |         | Name Constraints        |
| 42 | /C=GR/O=Hellenic Academic and Research Institutions<br>Cert. Authority/CN=University of Western Macedonia CA R2<br><b>REVOKED AT 24/11/2017</b> | 1D:EB:14:62:E9:45:E6:9E:9A:9<br>D:18:2B:07:5B:A8:8C:42:B9:69<br>:EB:D7:4C:BF:78:AD:63:99:78:<br>53:50:AA:D7 |         | Name Constraints        |
| 43 | /C=GR/O=Hellenic Academic and Research Institutions<br>Cert. Authority/CN=University of Western Macedonia CA R3                                 | 08:A2:77:3F:90:8B:89:E3:5F:8<br>3:DC:27:0A:FB:8B:C6:5E:8D:19<br>:2F:0D:D2:4B:52:11:61:71:68:<br>D6:0D:D3:AB |         | Name Constraints        |
| 44 | /C=GR/O=Hellenic Academic and Research Institutions<br>Cert. Authority/CN=University of Patras CA R1  | 1B:A4:40:F7:EB:04:8A:40:2A:8<br>7:09:1C:49:40:74:04:62:54:9A<br>:2A:F3:96:2F:8B:C7:18:4A:D0:<br>B0:4B:83:1D |         | Name Constraints        |



# QMSCERT®

Conformity Assessment Report – Certificates for the EU TSL: Annex C to Certificate No: 290617-7 rev.1

Organization's Name: Academic Network (GUNET)

Certification Authority Name: Hellenic Academic & Research Institutions Certification Authority (HARICA)

Issue No: 1, Issue Date: June 13<sup>th</sup>, 2018

## AUDIT TARGET FOR INCLUSION IN THE EU TRUST SERVICE STATUS LIST (TSL)

|  |  |
|--|--|
| <b>"Service type identifier"</b><br>(as per ETSI TS 119 612 v2.1.1 p5.5.1) | URI: <a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals</a> |
| <b>Service Name</b>  | Hellenic Academic and Research Institutions RootCA 2011  |
| <b>CA Certificate Distinguished Name</b>                                   | C=GR,<br>O=Hellenic Academic and Research Institutions Cert. Authority<br>CN=Hellenic Academic and Research Institutions RootCA 2011   |
| <b>CA Certificate Subject Key Identifier</b>                               | a6:91:42:fd:13:61:4a:23:9e:08:a4:29:e5:d8:13:04:23:ee:41:25  |
| <b>CA Certificate Fingerprint (SHA1)</b>                                   | fe:45:65:9b:79:03:5b:98:a1:61:b5:51:2e:ac:da:58:09:48:22:4d  |

|  |  |
|--|--|
| <b>"Service type identifier"</b><br>(as per ETSI TS 119 612 v2.1.1 p5.5.1) | URI: <a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals</a> |
| <b>Service Name</b>  | Hellenic Academic and Research Institutions RootCA 2015  |
| <b>CA Certificate Distinguished Name</b>                                   | C=GR,<br>L=Athens<br>O=Hellenic Academic and Research Institutions Cert. Authority<br>CN=Hellenic Academic and Research Institutions RootCA 2015   |
| <b>CA Certificate Subject Key Identifier</b>                               | 71:15:67:c8:c8:c9:bd:75:5d:72:d0:38:18:6a:9d:f3:71:24:54:0b  |
| <b>CA Certificate Fingerprint (SHA1)</b>                                   | fe:45:65:9b:79:03:5b:98:a1:61:b5:51:2e:ac:da:58:09:48:22:4d  |

|  |  |
|--|--|
| <b>"Service type identifier"</b><br>(according to ETSI TS 119 612 v2.1.1 p5.5.1) | URI: <a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/RootCA-QC</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures</a><br><a href="http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals">http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSeals</a> |
| <b>Service Name</b>  | Hellenic Academic and Research Institutions ECC RootCA 2015  |
| <b>CA Certificate Distinguished Name</b>   | C=GR,<br>L=Athens<br>O=Hellenic Academic and Research Institutions Cert. Authority<br>CN=Hellenic Academic and Research Institutions ECC RootCA 2015   |
| <b>CA Certificate Subject Key Identifier</b>                                     | b4:22:0b:82:99:24:01:0e:9c:bb:e4:0e:fd:bf:fb:97:20:93:99:2a  |
| <b>CA Certificate Fingerprint (SHA1)</b>   | 9f:f1:71:8d:92:d5:9a:f3:7d:74:97:b4:bc:6f:84:68:0b:ba:b6:66  |

|  |  |
|--|--|
| <b>"Service type identifier"</b><br>(according to ETSI TS 119 612 v2.1.1 p5.5.1) | <a href="http://uri.etsi.org/TrstSvc/Svctype/TSA/QTST">http://uri.etsi.org/TrstSvc/Svctype/TSA/QTST</a>          |
| <b>Service Name</b>  | Hellenic Academic and Research Institutions Qualified Time-Stamping Authority                                    |
| <b>Time-Stamping Unit Certificate Distinguished Name</b>                         | C=GR,<br>L=Athens<br>O=Hellenic Academic and Research Institutions Cert. Authority<br>CN=Time-Stamping Unit 2017 |
| <b>Time-Stamping Unit Certificate Subject Key Identifier</b>                     | ba d1 d6 f3 8a 05 f9 88 e2 7f f5 be 57 ef 45 2d 2e 9d ce ee  |
| <b>Time-Stamping Unit Certificate Fingerprint (SHA1)</b>                         | 8c 82 21 83 8a 01 ac 13 87 f5 b5 28 62 dd 54 41 8c 7b 49 c5  |