



Audit Attestation for

Hellenic Academic & Research Institutions Certification Authority (“HARICA”)

Reference: 040620-01-AL

Thessaloniki, June 4, 2020

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 critical findings.

This present Audit Attestation Letter is registered under the unique identifier number “040620-01-AL” and consists of 34 pages.

Kindly find here below the details accordingly.

In case of any question, please contact:

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With best regards,

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Identification of the conformity assessment body (CAB):	<p>QMSCERT 26th October Str., 90 546 27 Thessaloniki Greece</p> <p>Registered under n^o 042094606000</p> <p>Accredited by ACCREDIA under registration 272B¹ for the certification of trust services according to “EN ISO/IEC 17065:2013” and “ETSI EN 319 403 V2.2.2 (2015-08)”.</p>
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Identification of the trust service provider (TSP):	<p>GREEK UNIVERSITIES NETWORK (“GUNET”) Network Operation Center, National and Kapodistrian University of Athens, Panepistimioupoli Ilissia 157 84 Athens Greece</p> <p>Registered under 13392/28-9-2000</p>
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Identification of the audited Root-CA:	Hellenic Academic and Research Institutions RootCA 2011	
	Distinguished Name	C=GR/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2011
	SHA-256 fingerprint	BC104F15A48BE709DCA542A7E1D4B9DF6F054527E802EAA92D595444258AFE71
	Applied policies	ETSI EN 319 411-1: LCP, NCP, NCP+, DVCP, OVCP, IVCP; ETSI EN 319 411-2: QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd
	Technical constraints	nameConstraints Permitted: DNS:gr DNS:eu DNS:edu DNS:org DNS:net email:gr

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_ORG_DC_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

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Identification of the audited Root-CA:	Hellenic Academic and Research Institutions RootCA 2015	
	Distinguished Name	C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions RootCA 2015
	SHA-256 fingerprint	A040929A02CE53B4ACF4F2FFC6981CE4496F755E6D45FE0B2A692BCD52523F36
	Applied policies	ETSI EN 319 411-1: LCP, NCP, NCP+, DVCP, OVCP, IVCP, EVCP; ETSI EN 319 411-2: QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd, QCP-w, QCP-w-psd2; ETSI EN 319 421: BTSP
	Technical constraints	-

Identification of the audited Root-CA:	Hellenic Academic and Research Institutions ECC RootCA 2015	
	Distinguished Name	C=GR/L=Athens/O=Hellenic Academic and Research Institutions Cert. Authority/CN=Hellenic Academic and Research Institutions ECC RootCA 2015
	SHA-256 fingerprint	44B545AA8A25E65A73CA15DC27FC36D24C1CB9953A066539B11582DC487B4833
	Applied policies	ETSI EN 319 411-1: LCP, NCP, NCP+, DVCP, OVCP, IVCP, EVCP; ETSI EN 319 411-2: QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd, QCP-w, QCP-w-psd2; ETSI EN 319 421: BTSP
	Technical constraints	-

The audit was performed as full period of time audit at the TSP's location in Thessaloniki, Greece. It took place from 2020-03-16 until 2020-03-29 and covered the period from 2019-03-30 until 2020-03-29. The audit was performed according to the European Standards "ETSI TS 119 495 V1.2.1 (2018-11)", "ETSI EN 319 421, V1.1.1 (2016-03)", "ETSI EN 319 411-2, V2.2.2 (2018-04)", "ETSI EN 319 411-1, V1.2.2 (2018-04)" and "ETSI EN 319 401, V2.2.1 (2018-04)" as well as CA/Browser Forum Guidelines "Guidelines For The Issuance And Management Of Extended Validation Certificates, version 1.7.1", "Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, version 1.6.8", "Baseline Requirements for the Issuance and Management of Code Signing Certificates, version 1.2" and "Guidelines For The Issuance And Management Of Extended Validation Code Signing Certificates, version 1.4" considering the requirements of the "ETSI EN 319 403, V2.2.2 (2015-08)" for the Trust Service Provider Conformity Assessment.

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

1. [\[CP/CPS\]](#) Certificate Policy/ Certification Practice Statement, version 3.9, dated 2019-10-10²

The TSP named the Sub-CAs that have been issued by the aforementioned Root-CAs, that are listed in table 1 and that been covered in this audit.

In the following areas, non-conformities have been identified throughout the audit:

Non-conformities with regards to ETSI EN 319 411-2:

6.2.2 Initial Identity Validation

One (1) QCP-w certificate was issued without sufficiently documented evidence to demonstrate equivalent assurance in terms of reliability to the physical presence of an authorized representative of the legal person, in accordance with CP/CPS 3.2.2. [REG-6.2.2-04]

6.5.1 Key Pair Generation and Installation

The QTSP shall improve its controls to ensure that the device used by distant validation officers of institutions is certified as a QSCD according to CP/CPS 3.2.1. [SDP-6.5.1-02]

For all non-conformities, remediation has been scheduled within three months after the onsite audit at latest and will be covered by a corresponding audit.

This Audit Attestation also covers the following incidents as documented under

- Bug 1580393, HARICA: *OCSP Responder Returned "Unauthorized" for Some Precertificates:*

https://bugzilla.mozilla.org/show_bug.cgi?id=1580393³

² With Errata in Annex F of the CP/CPS document, added at 2020-04-02.

³ This incident was closed as Invalid

- Bug 1597135, HARICA: *3 EV TLS Certificates without L or ST*:
https://bugzilla.mozilla.org/show_bug.cgi?id=1597135

The remediation measures taken by HARICA as described on Bugzilla (see links above) have been checked by the auditors and properly addressed the incident. The long-term effectiveness of the measures will be rechecked at the next regular audit.

#	CA Subject Distinguished Name	SHA-256 fingerprint	CA Issuer Distinguished Name	Applied policies	EKU	Other technical constraints ⁴
1	CN=Technical University of Crete CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BDBCFE1193FBB923ABEE14 CA66228FEC890B18E02102C 0D9A98EF2E8626ECA7B	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
2	CN=National and Kapodistrian University of Athens CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	58AA92961C1E035054ADDA 64E883BFAE1B21439CBF7A D61E33F67DC56E295F6A	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
3	CN=Greek Academic Network CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	8CFE1315B167FCBFC8B1A9 EB54E97F13282EE2507E0D2 3B0148D053AE8736FE3	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
4	CN=Aristotle University of Thessaloniki Central CA R5,O=Aristotle University of Thessaloniki,C=GR	E83566E6F599481678C0D99 892169C87F77914C621FDF1 E659C7085772D4A487	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
5	CN=Technological Educational Institution of Thessaloniki CA	ADEB0AC1B37F5DA44A6848 E14B735970F920FF9C7625D A8AA099A89EA6D77C72	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2:		Name Constraints

⁴ Other technical restrictions to limit the scope of Certificate issuance (as per BR §7.1.5)

	R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR		Academic and Research Institutions Cert. Authority,C=GR	QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		
6	CN=Athens University of Economics and Business CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	452E84552410D43DE588499E33BB5D28D5E79B871706496A3F4242E854B90A5B	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints
7	CN=University of Western Macedonia CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	08A2773F908B89E35F83DC270AFB8BC65E8D192F0DD24B5211617168D60DD3AB	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
8	CN=University of the Peloponnese CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	C973BEACA65449451E5C4131570D05E72F34D2ADEBD94DB2E51E9A544E1E0101	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
9	CN=Technological Educational Institution of Thessaly CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BF8ABE927D18EB66EF9FB525ED20EE091EB782A48FDA6F4CF232D0668FCD5CC6	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
10	CN=HEAL-LINK Hellenic Academic Libraries Link CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FCD733CF243AA322F1890A19B922F6FAADCF33C44985372F1FD40360E5DB4540	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints

			Institutions Cert. Authority,C=GR			
11	CN=Greek School Network CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	A046697FB859F0C26BB1360 C0DE6E4A914B3BAE8C0631 A56EC688923F9541EEA	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints
12	CN=University of Ioannina CA R2,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	3A5F4EF758DAD62E4369246 445E068E4DADFDD4862DCD C352CBCA3F58CB1028A	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
13	CN=Technological Educational Institution of Central Macedonia CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	6777464451C99B85B12AD32 3F73F7136C82BF4D13E175E 9508258FC1375C73C7	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
14	CN=Hellenic Academic and Research Institutions AdminCA R5,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	7BEC7827E05D1931DD82689 AF6B2F19A3F5E4C756EFA1 62BD708C9279D1A9E4E	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints
15	CN=Technological Educational Institute of Epirus CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FD2954A6BC7F47DD443F61 64D8454245BB0CFE9CF55A CE37DBB35B8E4895A7D9	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints

16	CN=University of Macedonia CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	17B4E0AD0482A3D027F58BDFC8A9BD55F75CABC8DF059A4056A16CC8DEE533EF	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
17	CN=University of Patras CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	1BA440F7EB048A402A87091C4940740462549A2AF3962F8BC7184AD0B04B831D	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
18	CN=Democritus University of Thrace CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	F71DA328231C30D7E3C059C6261423D10C4FF2C8EB92EB9093A5D9AF7160AB55	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
19	CN=University of Piraeus CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	3ABCE953019DF2581EDACA B58BE8E143FE690A7F93C28C373C207627F818264E	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
20	CN=CEDEFOP CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	0619905C92CAEC89788DB557AB177B0A4CD50531E3ED57F27370B7EC8DAC1B5A	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints

21	CN=Technological Educational Institute of Western Greece CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	0B89633F122F75821950AE27E0BADD40D49BB50F0CB1B75EE4F4662ACE4CB3D8	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
22	CN=Piraeus University of Applied Sciences CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	BA8ED190E9325AED4382C684463102501F831B96F63E88CA35F2FE1BBC8C22C0	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints
23	CN=Harokopio University CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	26F7ADB721CC2D3E26DF063A6FE28739894B1847060C351DC6F5311C57DF0B5F	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
24	CN=University of Crete CA R3,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FC8889A411D1910B7A6DE159FB328F84DFFD2756A39A78E91CB9BB90C6FEA6E4	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n		Name Constraints
25	CN=International Hellenic University CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	884C51D643BE1126E72F3B1B7238BA57E0268C1D6C4A22ACDD6249C1758A53B6	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints

26	CN=Panteion University of Social and Political Sciences CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	23D3AA2C53136F789FF7C231E92B6210FCC7B80E5DA4287C5DF1BC525B4F4612	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
27	CN=Eastern Macedonia and Thrace Institute of Technology CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	FBEACB1EE5BD5F33515C64AC752FF078224D88EE406474C331F9543D4B721846	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-l-qscd, QCP-l		Name Constraints
28	CN=Hellenic Academic and Research Institutions AdminCA R6,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	A3077125D69FC9CD99B5DA A7CFE80A0EF2B2E984E6D71ED078BF2424E9A6CFD5	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+, DVCP, OVCP		Name Constraints
29	CN=Hellenic Academic and Research Institutions Code Signing CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	68494D765B5E71404F56D06A1A853A27C369B96B7D405EED9BD79E0FC308EB0F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+, EVCP	Code Signing	
30	CN=HARICA SSL Intermediate CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	F470AE8A7371800FC9F394EED7167B45E6AA38EAB020093864985C15C1E8B8CB	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	

31	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	F28A97AC28CFED10A93A7F078F978C8F6204C9D8451F745D5FE8BD6E0B6D4D7C	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+, DVCP, OVCP, IVCP, EVCP; ETSI EN 319 411-2: QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd, QCP-w; ETSI TS 119 495: QCP-w-psd2; ETSI EN 319 421: BTSP		Cross-certificate
32	CN=Hellenic Academic and Research Institutions Time Stamping CA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	F78AAE1DF78D403F2B3A4EFF20083E189925780DB3FD56DECB9C6133714D7F3E	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 421: BTSP	Time Stamping	Name Constraints
33	CN=Academy of Athens Client CA R1,O=Academy of Athens,L=Athens,C=GR	DDAA5F72E10FD3AD072AD2C0D21958DBF1709E7AED13B38C264728FCE5C9BA1E	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	Name Constraints
34	CN=HARICA Qualified Legal Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	93ADD7C8486BF15A416949E1637BC219A3455E374E0EAF980153035AB17F3EC5	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-2: QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	Name Constraints
35	CN=HARICA Qualified Natural Entities SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	357554CED3C49BA13DDD55A5682629B6FCE2ACFC4519AB2BE04B3A8601A59F2F	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research	ETSI EN 319 411-2: QCP-n-qscd, QCP-n	TLS Web Client Authentication, E-mail Protection,	Name Constraints

			Institutions Cert. Authority,C=GR		1.3.6.1.4.1.311. 10.3.12	
36	CN=Institute of Accelerating Systems and Applications SSL CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	918D2995DA1BE219E3A7E4BA2DAFA11A025EEBF4D4A35A3A8B2DB99E792C687E	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
37	CN=Ionian University SSL CA R1,O=Ionian University,L=Kerkyra,C=GR	9DF0D3D5540DEAE996C1B26DA31D0ED4E60EFDF3A3DA39B63FA8381D3BA893DA	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
38	CN=Institute of Accelerating Systems and Applications Client CA R1,O=Institute of Accelerating Systems and Applications,L=Athens,C=GR	DC1AB1EFCA2083FE1EA6D0D3DC4A7879D5CC6D3DA3F0A81E94C8699D3AA7CB0E	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	Name Constraints
39	CN=Ionian University Client CA R1,O=Ionian University,L=Kerkyra,C=GR	C95A9426410E11E70EED947806FD87F6F0DE77B98F1C454BE10D35C4442DC1DD	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	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	Name Constraints
40	CN=Ecclesiastical Academy of Vella Client RSA SubCA R1,O=University Ecclesiastical Academy of Vella of Ioannina,L=Ioannina,C=GR	978BCF39C3C3AACEFE1048FA0360283DC2EBFA5150024C5E378514D3E75E7295	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	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	Name Constraints

					10.3.12, OCSP Signing	
41	CN=ACER Client RSA SubCA R2,O=Agency for the Cooperation of Energy Regulators,L=Ljubljana,C=SI	EB9DCA726590EB81299EE224807041D97AAF97CF9425A8D146D682B502871EA5	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication	
42	CN=HARICA S/MIME RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	E530511259D33FB3EDD38E0E799FF9E8F99D4DB2DA0DEE08EAF5A6D15CCE9BFC	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication, E-mail Protection	
43	CN=HARICA S/MIME RSA SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	5C97E0FD1EBD6E136A71626F860AB5D65B797E7ED3C1C1BF4E653822375A4644	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication, E-mail Protection	
44	CN=HARICA Client Authentication RSA SubCA R1,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	D25B6C50594F6119DC3AB2E59F5509FC904F10C4FFA757C0129EEBDA86BFFCB1	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication	
45	CN=HARICA Client Authentication RSA SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	15DACB49F048B95408A0EEC6891729D9235CCAE32F45CFDA07175402BEE78300	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication	

46	CN=Greek Federation of Judicial Officers Client SubCA R1,O=Greek Federation of Judicial Officers,L=Athens,C=GR	2D819AF397E289DC41709C4AAF6DA3B1904749C37A995860745803716D7D5690	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-2: QCP-n, QCP-n-qscd, QCP-I, QCP-I-qscd	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
47	CN=GRnet Client RSA SubCA R1,O=Greek Research and Technology Network,L=Athens,C=GR	A1A04E4CFC56FD1917EB481FC46629A2E46656756FA08E22487F54B64E1CA3E7	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
48	CN=HARICA Qualified Legal Entities SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	CDF27EEA0C3A5512369108FD74635D2D4CF50E94D6CA199BED7DE81B0D09A336	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-2: QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	
49	CN=HARICA Qualified Natural Entities SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	094F78C53EC5D8082BC5D5AAD1B11D5DF952BE56933358DBF5963542913A50CD	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	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	
50	CN=Aristotle University of Thessaloniki Client RSA SubCA R1,O=Aristotle University of Thessaloniki,L=Thessaloniki,C=GR	663FDE94F8836A1FEBD83BE8310979312D65FF8C1B716394E68F41D82396C1F8	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n, QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	Name Constraints

					10.3.12, OCSP Signing	
51	CN=HARICA Code Signing ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	013932465EE4FC2448D0C9A EEEA049DE9063AF5E773E8 A501AB626F0957E1345	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+, EVCP	Code Signing	
52	CN=HARICA Client Authentication ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	4D63F8747A9680F81882B62 D0FA993C33581D314C5B596 FA373DF92B2C65D4FF	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication	
53	CN=HARICA Qualified Legal Entities ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	DD5BAC4F1BB5356AE98D3F 0C8E24C59DF84199A56F78F 1C161196AAD70283094	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	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	
54	CN=HARICA Qualified Natural Entities ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	4D961AEE0D2DD0ADF433B4 AAC261CE5871665CF39FCA 1B4838AE6620DA685046	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	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	

55	CN=HARICA S/MIME ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	9CD07290E8BEDD99CF7397F94CB012B22EEC13DA52ED94F3017A2EA4146EA98D	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication, E-mail Protection	
56	CN=HARICA SSL ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	11D5EF460DAB3582B742123127127D54040FB1C206E26F025CB58458F225111A	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP, IVCP, EVCP; ETSI EN 319 411-2: QCP-w; ETSI TS 119 495: QCP-w-psd2	TLS Web Client Authentication, TLS Web Server Authentication	
57	CN=HARICA Administration Client ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	7A52945F5902D53C0DB76A200EB9F85C7C424B23F939FF E140C5DBD0B1F2C7D8	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
58	CN=HARICA Administration SSL ECC SubCA R2,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	3E1479804765A62BB7BD4F0DDEBB55A946A2063CD2882F05461B1754F1B667B1	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
59	CN=Aristotle University of Thessaloniki SSL RSA SubCA R2,O=Aristotle University of	0EE82CEB7ECA241CCC29D4E588062C43E447EDE6C696F135ACC411966126BA83	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

	Thessaloniki,L=Thessaloniki, C=GR		Institutions Cert. Authority,L=Athens,C=GR			
60	CN=Academy of Athens SSL SubCA R2,O=Academy of Athens,L=Athens,C=GR	DC9455CA47F5FD9BF3BBAB BEACF88F3DEB3B58BFA85A F404DFD21617CE90A0DD	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
61	CN=Ecclesiastical Academy of Vella SSL RSA SubCA R2,O=University Ecclesiastical Academy of Vella of Ioannina,L=Ioannina,C=GR	CDFF27AFA3DAF9F706AA7A C530298337E520C8B10A22F 6514E00E21FD2873B79	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
62	CN=GRnet SSL RSA SubCA R2,O=Greek Research and Technology Network,L=Athens,C=GR	C161F5AADE40FBC9723F08 92DE963D4D10405561A6BD C69A72798F918BED19CD	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
63	CN=HARICA SSL RSA SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	70B6A10C0CA76DECE7ADB E970B76A37D8A02857B134C 7505B184EBD5FCA4F3EA	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP, IVCP, EVCP; ETSI EN 319 411- 2: QCP-w; ETSI TS 119 495: QCP-w-psd2	TLS Web Client Authentication, TLS Web Server Authentication	
64	CN=Academy of Athens Client SubCA R2,O=Academy of Athens,L=Athens,C=GR	BE6863CB0D3BB57314EE4B 627FB346E8CD20581DE17F E0782AFB438EF034AC0B	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411- 2: QCP-n-qscd, QCP-n	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.	Name Constraints

					10.3.12, OCSP Signing	
65	CN=Aristotle University of Thessaloniki Client RSA SubCA R2,O=Aristotle University of Thessaloniki,L=Thessaloniki,C=GR	48395F71CC26F64274BD06C7EB1591F9D4EC62B64FA6C16531F3CB72C2469D82	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
66	CN=Ecclesiastical Academy of Vella Client RSA SubCA R2,O=University Ecclesiastical Academy of Vella of Ioannina,L=Ioannina,C=GR	77BBABD8E1C2AA51AFCE71D6AD940E219647B9320245C4BBBD6B31DD28E1F32C	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
67	CN=HARICA Qualified Legal Entities SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	C6CB08B5D6DFE461AECE9AA3CF03AF7FED1341C9E6EE0052129C27CA754933F2	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-2: QCP-I-qscd, QCP-I	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12	
68	CN=HARICA Qualified Natural Entities SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ADDBE88B468154CF8F7773288C8C50F760879E490892AA9272815B814E721E7D	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	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	
69	CN=GRnet Client RSA SubCA R2,O=Greek Research and Technology Network,L=Athens,C=GR	1CC3F7B1368F476010DBB254B3970B859C94524C6B62EBCE946C8AE63939E68F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n	TLS Web Client Authentication, E-mail Protection,	Name Constraints

			Institutions Cert. Authority,L=Athens,C=GR		1.3.6.1.4.1.311. 10.3.12, OCSP Signing	
70	CN=Greek Federation of Judicial Officers Client SubCA R2,O=Greek Federation of Judicial Officers,L=Athens,C=GR	0EF3960A0811490F4D53E33 FAFC41F5C94EEB1667A1A2 CC96BF3F29D619CAF88	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-2: QCP-n-qscd	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311. 10.3.12, OCSP Signing	Name Constraints
71	CN=HARICA S/MIME RSA SubCA R3,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	593C4AB6066CDF6185067F5 62677FDDFF533656DB4BD2 D577735301704150218	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: LCP, NCP, NCP+	TLS Web Client Authentication, E-mail Protection	
72	CN=GRNET TLS RSA SubCA R1,O=National Infrastructures for Research and Technology,L=Athens,C=GR	88CE49E3A4FA37EAE28E8E 35F8FF8CF7568CA845639CE F3B8DFDF4E4693AC14A	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
73	CN=GRNET Client RSA SubCA R3,O=National Infrastructures for Research and Technology,L=Athens,C=GR	F808656236725B566F0721C5 18158A6756C96903CB71EB4 8DDDA8EDDFEA0F26C	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
74	CN=International Hellenic University TLS RSA SubCA R1,O=Hellenic Academic and	9C782F6B0558ADCB1CC9EF 845320D14592C9220FCF003 0C0980D9D753B06624F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication,	Name Constraints

	Research Institutions CA,C=GR		Academic and Research Institutions Cert. Authority,L=Athens,C=GR		TLS Web Server Authentication	
75	CN=International Hellenic University Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	4E78271768494088ED1F9BB 2712531AB5D138C6C59B466 50D285B35858E67B13	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
76	CN=University of Ioannina TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	46727B90C5A5F73375082D9 B1BC9F17B445F5020A95E37 DFDF1EF20B287C5115	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
77	CN=University of Ioannina Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	42A21F37285804F2E736075 CB54874368CF0E2110088B3 F138412EEC88590954	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
78	CN=University of Patras TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	673E34D7E1E6B25C187F391 CC49138B4722A907E33F5B7 487B613BB6DFE78909	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

79	CN=University of Patras Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	46716EBF6A22AEA1DF1F97E62A5EF7095127CE4550B6242EBA6907AFC5C482CF	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
80	CN=National Technical University of Athens TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1E8F051F2226F992D17B7CF17F0DECE0AA769902E9FE8D11F35B19B18A5A14F1	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
81	CN=National Technical University of Athens Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	887D7F1DEB7F0712C85AFA BF50CADF89BF02EB13E552 CBF52D7B5DF3F21DB0DA	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
82	CN=University of the Aegean TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	7E2C537397E7B8D9B24D87F304C96EA057A407CE11D0B66D99BA4B8A22BB1167	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

83	CN=University of the Aegean Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	55B80DEF607F88E31C584067D09D43344D94117BAF648365847B1CE5B67677C9	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
84	CN=Ionian University Client RSA SubCA R2,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	FC3A98938E2ED3BD36E0D41F18517649322906B2E6B33690891325AAECD19644	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
85	CN=Aristotle University of Thessaloniki Client RSA SubCA R3,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	523575047371BBA88263E5AB5DED8F6B0695C5D2A192A6DD11406C476BA3C72F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
86	CN=Greek Federation of Judicial Officers Client RSA SubCA R3,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek	2A508A5FE6173C4E8F0126694A1A6A71D9000451FA31DB033B8705890441ECC5	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-2: QCP-n-qscd	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints

	Universities Network (GUnet),C=GR					
87	CN=Academy of Athens Client RSA SubCA R3,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	FD2F33248F3964564687980235A5F0BCB3AB562E47F404F742E53342C5375280	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
88	CN=GRNET Client RSA SubCA R4,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	538A45AAF9003D4D3988BBFCF9F859B325CE5F775DC0601205058517F9BC15E5	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
89	CN=Ecclesiastical Academy of Vella of Ioannina Client RSA SubCA R3,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	E74AD44B0D56EEBE39BB185C52AB9BEFE4F75899B6A81416E9103D5C29BF27FB	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
90	CN=HARICA EV Code Signing RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	0324BF1DE988B39D2A86F6A217B21940D631EFB746898E838C49120DA63749AC	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: NCP+, EVCP	Code Signing	

			Institutions Cert. Authority,L=Athens,C=GR			
91	CN=HARICA EV TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	F628264C79DBFBDFCFDEC6 43171BDCBD4DE7483F9C80 EA59068887AE449A2E48	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: EVCP	TLS Web Client Authentication, TLS Web Server Authentication	
92	CN=HARICA EV Code Signing ECC SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	523EC59EC9E637E635F8BE 2954D56D7624371B10BAEC6 D123C11D84BFD7D5261	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP+, EVCP	Code Signing	
93	CN=HARICA QWAC RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),L=Athens,C=GR	DAB3FA0D6E821006FE709A E12176ABA2F397706CC9C71 F5C1C0D098044DAEBDC	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: OVCP, EVCP; ETSI EN 319 411-2: QCP-w; ETSI TS 119 495: QCP-w-psd2	TLS Web Client Authentication, TLS Web Server Authentication	
94	CN=HARICA EV TLS ECC SubCA R1,O=Hellenic Academic and Research Institutions CA,L=Athens,C=GR	701EB23F95564CD5569CD20 E5F05C2888900BAE9BA03A BF5ABE57BFE04B54A60	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: EVCP	TLS Web Client Authentication, TLS Web Server Authentication	

95	CN=HARICA QWAC ECC SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),L=Athens,C=GR	BA0312F7B72F6B64B4CCEE34B5F628CF65A1F3B9F16B8DFE7ADA90C54E475A1C	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: OVCP, EVCP; ETSI EN 319 411-2: QCP-w; ETSI TS 119 495: QCP-w-psd2	TLS Web Client Authentication, TLS Web Server Authentication	
96	CN=Athens University of Economics and Business Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	E77AC02DB6EAA0E9A6B573A99870C6DF4DBDB8339DDA3BC40786F70E2BD7F7F6	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
97	CN=Athens University of Economics and Business TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	3995B01A17800AECF5480E939D9DA44EDCCC7CF2935657C6179D5A1EFA25D74D	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
98	CN=CEDEFOP Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	1E953E15123A95E47044BFAF06B1974FB9976B84F4371EBD77F8AD81EFD05C00	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints

99	CN=CEDEFOP TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	44CE97F5C957DD056D44C3E1BDFCEB2CF9A7B428ED089839264336303BCAC7EF	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
100	CN=Democritus University of Thrace Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	E57BBF5079F98293B4142F348972E68E351E52B90373F05F46F09CCB30AF5BF0	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
101	CN=Democritus University of Thrace TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	220040DDA377C944429E8CE913B7D81B36DE34EBF2DC218D2066393D94863439	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
102	CN=Greek Universities Network Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VATGR-099028220,O=Greek Universities Network (GUnet),C=GR	BD4420C592A6F7F252AE898124E002F1B9CFE1F2538864D56B34A7B4DFB31FC8	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
103	CN=Greek Universities Network TLS RSA SubCA R1,O=Hellenic Academic and	DC9993DC33A71FD95808787D19A4B55704E601D57EBCEACC8802C78B5C36F5C7	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

	Research Institutions CA,C=GR		Institutions Cert. Authority,L=Athens,C=GR			
104	CN=HEAL-LINK Hellenic Academic Libraries Link Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	084ECA70A9B40E4E1563E35 776B716E410A972BB27ED51 C248C48D3242FA8DAF	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311. 10.3.12, OCSP Signing	Name Constraints
105	CN=HEAL-LINK Hellenic Academic Libraries Link TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	8C0994B2AED0085FE542813 EE03C4B2D732ECDCC257A E6453114C6C875933BD4	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
106	CN=Harokopio University Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	6EC8D3551BD0454B0CC4B9 DB876366AE08764C5FCF15 B00F9411BDE30D5336AE	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
107	CN=Harokopio University TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	BA425122F31D9BAE7CBE1E 7FA2FF437ADF283E0143334 85F7691CB856AEC776A	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

108	CN=Inst. of Accelerating Sys and Applications Client RSA SubCA R2,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	A8E352DB0C8E27BAE583D015146E8B79DEE091D5638F583A0C442F3BF55DEEB3	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
109	CN=Inst. of Accelerating Systems and Applications TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	146C1CF9BB7D231060D0FABD986E9850F00501F5A3B7B6AC42C51B38C8E22A23	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
110	CN=Ionian University TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	DA0C4981F6336E06C129F7E8143B2A54AA85A14A63CA44FCE2CDDC69EEE788C9	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
111	CN=Panteion Univ. of Social and Political Sciences Client SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	2D1B244FACEAFAD94755B5E99AABF7AC91C599DA73BFA461EEEEBAFB4B969B5C9	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints

112	CN=Panteion Univ. of Social and Political Sciences TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	F0043E9FEFB37AEA794E690437DC239D6BD2C5CA0FB58A12244555A1A8A2A01A	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
113	CN=Greek School Network Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	EADC80F7DF630560CC1B353F68EA660159CE966E22D404588780787C0476D0E4	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+	TLS Web Client Authentication, E-mail Protection, 1.3.6.1.4.1.311.10.3.12, OCSP Signing	Name Constraints
114	CN=Greek School Network TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	CFDFEF037CFDBD6BB0E311E9BB281CA60271C5DAE2695312033806FA4B0E94B7	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
115	CN=Technical University of Crete Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	22E5E6DB5CAE428EDA96AED0564E2B9770ECA2CC025158E37A9DDEEDE31F45E5	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
116	CN=Technical University of Crete TLS RSA SubCA R1,O=Hellenic Academic and	1AF8B4D49C5A7B6DA536DEA92FDFAF45736205AFCA2DAFFFAECB712DA9C3EBD1	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

	Research Institutions CA,C=GR		Institutions Cert. Authority,L=Athens,C=GR			
117	CN=University of Piraeus Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	BC489C6DC2BDE253F586DA 34134D6640B8B583A312089 CE10933C4BC03FC5F33	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
118	CN=University of Piraeus TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	25EED131D7193597E48D4E3 6536CC5CFFBF9EB2042C62 573AE8968D8A3695F1C	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
119	CN=National and Kapodistrian Univ. of Athens Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	F3D916D1B73201F049EDA7 E597FE0A5CCD5711A6958F BC0B7A6F7FA64F7AFE47	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
120	CN=National and Kapodistrian University of Athens TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1744B474101FE6A91936F5E 60307C63DA58B88405B0453 23DEC8C8C00176AF77	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

121	CN=University of Crete Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	87AAD978A5FE2EE941E4068 F9963EA29BDAA58878D2412 249A82CD22F8126D82	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
122	CN=University of Crete TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	5DABDA046272EEC89ECB95 A6297DBA910D0144F7EEB5 814D073AE54A4A8CF646	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
123	CN=University of Macedonia Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	444CEFEDD83F6315C5EC86 B2F1CD63B1DBF2387CFA2B EB0FB400153F2AF9408F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
124	CN=University of Macedonia TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	6539235A5A1F94180C5233E AF8A5D67102DEAA16C0751 AEF35B3E67CE5607F29	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
125	CN=University of the Peloponnese Client RSA SubCA R1,OU=Hellenic Academic and Research	EA4793E2EB814D43261F806 8AEFDE783B837E7C021AC1 9C8E9B08551F2D6C83F	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research	ETSI EN 319 411-1: NCP, NCP+; ETSI EN 319 411-2: QCP-n-qscd, QCP-n	TLS Web Client Authentication, E-mail Protection,	Name Constraints

	Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR		Institutions Cert. Authority,L=Athens,C=GR		1.3.6.1.4.1.311. 10.3.12, OCSP Signing	
126	CN=University of the Peloponnese TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	1C9D3E8E0CF1E4F39C734D 19E479AE971FC3066C00035 3A2B6AF32795A97EA1B	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints
127	CN=University of Western Macedonia Client RSA SubCA R1,OU=Hellenic Academic and Research Institutions CA,organizationIdentifier=VA TGR-099028220,O=Greek Universities Network (GUnet),C=GR	0CB6684F601C416F992A894 09914A32A0C2099716875F5 F78EC0C46B1B57099C	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: NCP, NCP+; 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, OCSP Signing	Name Constraints
128	CN=University of Western Macedonia TLS RSA SubCA R1,O=Hellenic Academic and Research Institutions CA,C=GR	EFB44844F37EE6DE3FB4CC 8D2C0C832FC8FEEBA95062 37E0D1FC7AD4574A4CCA	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR	ETSI EN 319 411-1: DVCP, OVCP	TLS Web Client Authentication, TLS Web Server Authentication	Name Constraints

Table 1: Sub-CA's issued by the Root-CAs or its Sub-CA's

Modifications record

Version	Issuing Date	Changes
Version 1	2020-06-04	Initial attestation

End of the audit attestation letter.