



Welcome to the World of Standards



ETSI TC ESI PRESENTATION TO CAB FORUM

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March 2015 meeting, Cupertino

- **ETSI Deliverables. Dates**
- **ETSI audits**
- **eIDAS timeline: Qualified web site certificates**
- **RFC 3647 and Code signing status**
- **CA day Berlin**
- **AOB**

ETSI DELIVERABLES



Current situation:

- TS 102 042 remains recommended reference for compliance to CABF (versions of EN 319 411-2 & 319 411-3 issued in 2013 were not aligned under to new regulation and are very soon to be replaced)
- ETSI has drafted replacement TS 102 042 in EN 319 411-1 for policies (including CABF SSL EV, BR and NetSec) and EN 319 412-4 for profiles aligned with eIDAS regulation – currently being revised to take into account public review comments to be published in Q2 2015 (initially as Technical Specifications – TS 119 411/ TS 119 412) for adoption from July 2016 (when eIDAS requirements comes into force)
- ETSI has published requirements for conformity assessments TS 119 403 (to be EN 319 403) for adoption from July 2016
 - Suggestion to require that ETSI audits are carried out only by auditing bodies accredited in accordance with Annex E of TS 102 042 in line with the direction being taken for EU audits in line with the regulation.

Trust Service Providers Supporting Electronic Signatures for public comment until Feb 15th

- [EN 319 401](#) General Policy Requirements for Trust Service Providers

EN 319 411 Policy and security requirements for Trust Service Providers issuing certificates

- [319 411-1](#): General requirements
- [319 411-2](#): Requirements for trust service providers issuing EU qualified certificates

EN 319 412 Certificate Profiles

- [319 412-1](#): Overview and common data structures
 - [319 412-2](#): Certificate profile for certificates issued to natural persons
 - [319 412-3](#): Certificate profile for certificates issued to legal persons
 - [319 412-4](#): Certificate profile for web site certificates issued to organisations
 - [319 412-5](#): QCStatements
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- [EN 319 421](#) Policy and Security Requirements for Trust Service Providers issuing Electronic Time-Stamps
 - [EN 319 422](#) Time-stamping protocol and electronic time-stamp profiles

- [EN 319 403](#): Conformity Assessment for Trust Service Providers
- [TS 119 312](#): Cryptographic suites for secure electronic signatures, aka “Algo paper”
- Yet to come: TS for **code signing**. At the moment, [EN 319 411-3](#) can be used.

- EN 319 401 includes CAB Forum Network Security requirements
- EN 319 411-x reference EN 319 401 for security of TSPs generic controls requirements
- EN 319 411-x include CA key ceremony (root and subordinates)
- EN 319 401 / 411-x already recommends use of ISO 27002 controls identifying the specific controls that are appropriate.
- EN 319 411-1 references CAB Forum specific controls as appropriate.
- All parts of EN 319 411 will have an informative Annex in the form of a check list with all the controls listed in the EN.
- EN 319 403 includes all the audit process and report and the capabilities of the auditor, using ISO 17065.

Simplified picture of European Norms with relevance for CA/B-Forum



Policy EN 319 411-1
CA/B-Requirements
NCP+
 $PTC=(EVC+OV/DV)$
(ex 102 042)

Policy EN 319 411-2
Qualified based on
eIDAS Requirements
(ex 101 456)

319 412-2: Certificate profile natural persons

319 412-4: Certificate profile for web site
certificates issued to organisations

319 412-3: Certificate profile legal persons

EN 319 401 General Policy Req.

EN 319 403 Conformity Assessment

ETSI Audits



<https://portal.etsi.org/TBSiteMap/ESI/TrustServiceProviders.aspx>

Message warning

“ This list is for information only. The relevant national accreditation body should be contacted to affirm the status of a conformity assessment body. Inclusion or non-inclusion in this list and should not be taken as a definitive statement of accreditation status of a conformity assessment body.

Conformity assessment bodies that wish to be included this list should contact ETSI (ESIsupport@etsi.org) with information concerning their accreditation as required in TS 102 042 Annex E or TS 119 403 V2.1.1. This should include a web link or document providing evidence of their accreditation with a link to any further information about their audit including an up to date list of certified conformity assessments against ETSI standards. “

- Find which National accreditation body (NAB) belongs to that country by checking the [EA web site](#) and/or [IAF](#)
- Check if the conformity assessment body (CAB) is accredited under its own NAB
- Check if the CAB is accredited to perform ETSI audits
 - To July 2016: Annex E of the TS 102 042
 - From July 2016: TS 119 403 (to be EN 319 403)

- The situation with regard to the eIDAS Regulation is the following: the EC lets the EA (European for Accreditation) implement the TSP's assessment framework (i.e. all TSP, Q_ or non_Q TSPs). This is done in the framework of the EA mission under Regulation 765/2008 (i.e. creating the framework for NABs (national accreditation bodies) to accredit CABs for the assessment of any type of things in any kind of sectors, for example TSP (CAs)).
- The situation today is that EA already started the discussions around the eIDAS topics and there is an agreement on the principle that, within the ISO 17065 framework applied to certification bodies, ETSI EN 319 403 would be the conformity assessment guidance framework for TSPs audit. The next step is to fix the TSP audit criteria against which the TSP will be audited (319 403 allows to use the x19 411-x series, and/or other documents).
- However, EA is already considering the current proposed TS 119 411-1 for the purpose of TSPs evaluation in general
- The planning is, once this TS is published, the NABs can start accrediting CABs in their country for the TSPs assessment against the TS 119 411-1. It should take a bit more than 1,5 year to have the first CABs accredited since the NAB are supposed to perform the very first audit with the CAB in order to assess their competencies... Theoretically, one could have duly accredited CABs for 411-x within 20 months, provided the EA and NABs are doing their mission correctly.

eIDAS Timeline



eIDAS – Timeline of implementation



2014

2015

2016

2017

2018

2019

17.09.2014 Entry into force of the regulation

18.09.2015 Voluntary recognition eIDs

1.07.2016 Date of application of rules for trust services

18.09.2018 Mandatory
– recognition of eIDs

Implementing act on EU Trust Mark for QTS



03.07.2014

Launch of e-Mark U Trust Competition

15.09.2014

End of submission period



14.10.2014 Public
online voting



14.11.2014
End of voting



By 01.07.2015
Adoption of the
implementing act

RFC 3647 and Code signing status



RFC 3647

- STF 458 is discussing
- Draft will circulate internally by the end of March to take a decision
- Standards affected: EN 319 411-1 and 319 411-2

Code signing status

- An initial TS draft will be proposed by the next ESI meeting at the end of April

CA Day - Berlin



Invitation for 5. CA-Day in Berlin



- 09. of June 2015 in Berlin
- Venue “Unter den Linden” at the Brandenburg Gate
- Organized by TÜVIT, Bundesdruckerei/D-Trust and ETSI STF 458
- Overview on EU Regulation, CA/B-Forum and Browser-Requirements
- On 08. of June a Google CT-Workshop is in preparation.



Thank you !



Interesting links

TSP standards:

<http://www.etsi.org/index.php/technologies-clusters/technologies/security/certification-authorities-and-other-trust-service-providers>

All drafts are available here:

[http://docbox.etsi.org/ESI/Open/Latest Drafts/](http://docbox.etsi.org/ESI/Open/Latest_Drafts/)

General e-signature

<http://www.e-signatures-standards.eu/>

EU Regulation

<http://ec.europa.eu/digital-agenda/trust-services-and-eid>

<http://bit.ly/1kC3Tnz>



AOB

THANK YOU ON BEHALF OF ETSI ESI – STF 458