

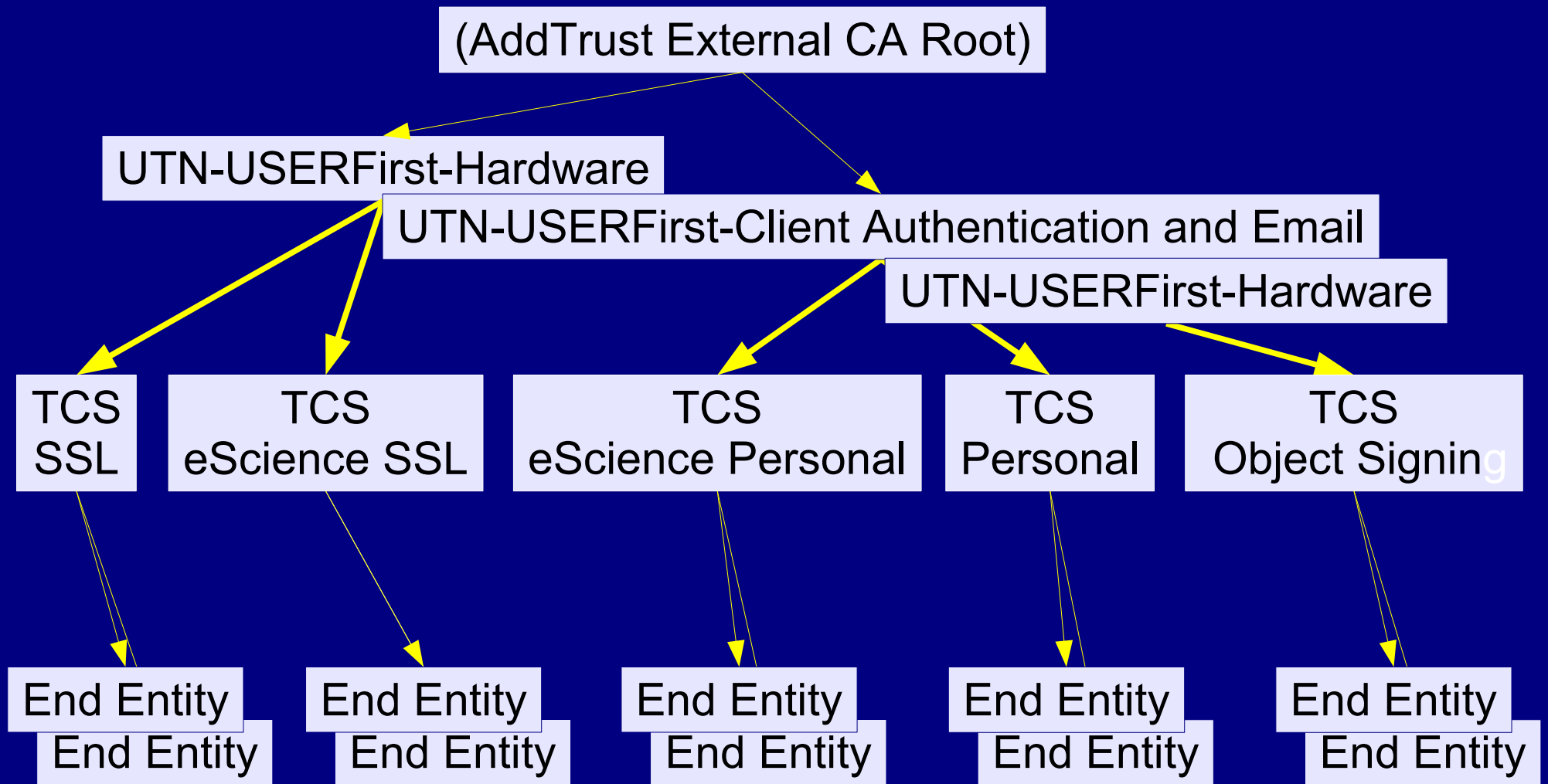
# TCS Status

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Feb 15 2010

# TCS overview

- TERENA SSL CA
- TERENA eScience SSL CA
- TERENA Personal CA
- TERENA eScience Personal CA
- TERENA Object Signing CA

# TCS Certificate Chain



# TERENA SSL CA

- TCA Server and Object Signing CPS 1.3
  - both *eScience SSL* and *SSL*
- cert validity
  - 395 days (*eScience SSL*)
  - 1, 2, 3 years (*SSL*)
- *SSL* operational since June 2009
  - *eScience SSL* expected in Apr 2010
- portal software
  - e. g. djangora by Kent Engström

# (eScience) SSL CA: Procedures

- NREN
  - web portal
  - registers organizations
    - administrators
    - DNS zones

# (eScience) SSL CA: Procedures

- server admin requests a certificate
  - DNS names
    - checked by the portal against the register
  - public key (PKCS#10)
- organization admin
  - checks DNS – requester relation
  - approves

# TERENA Personal CA

- TERENA Personal CA CPS 1.0
  - minor changes pending
- cert validity 1, 2 ,3 years
- operational February 2010

# TERENA eScience Personal CA

- TERENA eScience Personal CA CPS 1.0
  - accredited Jan 2010
- cert validity 395 days
- 7bit names
- operational February 2010

# (eScience) Personal: Procedures

- “self-service” certificate issuance
- federated portal
  - front-end to TCS CA
- organizations – Identity Providers
  - identity checked using official ID
  - account management
  - attributes release

# Attributes

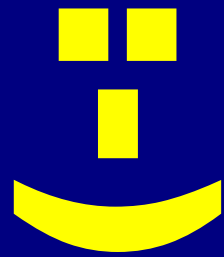
- eduPersonEntitlement
  - authorization
    - ID vetted properly
  - eligibility
- uniqueID
  - traceability, naming conflicts
    - specific value, eduPersonPrincipalName,...
    - in CN (eScience Personal CA)
    - in CN or unstructuredName (Personal CA)

# Attributes

- commonName
  - “reasonable representation” of person's name
- email
  - up to 10 addresses
  - **verified** by IdP
- organization name
  - pre-registered with portal

# TERENA Shared Portal

- TCS Personal, TCS eScience Personal
- CESNET, CSC, UNINETT, SUNET, SURFnet, UNI•C
  - open for others
- *Confusa* software (UNINETT)
- operated by Tilburg University



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