TR-GRID CA SELF-AUDIT & UPDATES
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Feyza Eryol
Chief Researcher
TÜBİTAK ULAKBİM

Overview

▶ General Information

▶ Statistics

▶ Self-Auditing Report

▶ Policy Updates

▶ Next Steps

General Information

▶ Accredited in September 2005.

▶ Single CA in Turkey for academic field.

▶ It provides X509 certificates for academic research and educational activities in Turkey.

▶ Managed by TÜBİTAK ULAKBİM

▶ http://www.grid.org.tr/ca -> http://www.truba.gov.tr/index.php/en/certification-authority/

▶ CP/CPS:

    ▶ Follows RFC3647

    ▶ Current version 2.3 since May, 2014

    ▶ Plan to update CP/CPS to version 2.4

Statistics

Certificates	Number	Valid	Expired	Revoked
Users	2547	17	2066	464
Servers	492	26	380	86

Self Audit

▶ Performed by GFD.169

▶ Scores:

   ▶ 1 item with score B (minor change)

   ▶ 4 item with score C (major change)

   ▶ 5 item with score X (N/A)

Self Audit (cont.)

▶ **B (minor changes)**

  ▶ 3.2 (1) is defined different sections in CP/CPS, it is needed to be defined in 4.1, 4.2, 4.6, 4.7

▶ **C (major changes):**

We could not kept official identity documents due to the Personal Data Protection Law. This part is needed to change in CP/CPS document

  ▶ 3.1.8 (43)

  ▶ 3.1.11 (54)

  ▶ 3.2.3(11)

  ▶ 3.2.3 (12)

- *Authentication of Individual Identity*
- *Identification and Authentication for Revocation Request*
- *Enrollment Process and Responsibilities*
- *Performing Identification and Authentication Functions*
- *Types of Event Recorded*
- *Privacy of Personal Information*

Self Audit (cont.)

- X (N/A)
  - 3.1.2(9) Online CA
  - 3.1.2(10) Secure Environment
  - 3.1.2(16) Online CA
  - 3.1.3(40) Hardware Token
 - 3.1.6(41) Hardware Token

Policy Updates

- ▶ There is a need to change the CRL path of the TR-Grid CA
  - ▶ Next CA certificate update.
- ▶ Change Identity vetting with e-Government systems:
  - ▶ IGTF Level of Authentication Assurance V1.1-2016, Section 3.1
    - ▶ «be validated using notary-public attestations and/or official government data sources and supported by remote live video conversation;»
  - ▶ It is possible to check the status of a researcher at any time.
  - ▶ Not need to store any identity card after f-2-f identity vetting.
- ▶ These updates will be done at the end of April, 2021 in CP/CPS document.

Policy Updates

- Ready to use systems

  - «The e-Government Gateway is a website offering access to all public services from a single point. The aim of the Portal is to offer public services to citizens, businesses, and government agencies in an efficient and effective manner through information technologies.»

    - Authenticate any user

  - YOKSIS: Higher Education Information System

    - Check if he/she is a researcher

Policy Updates
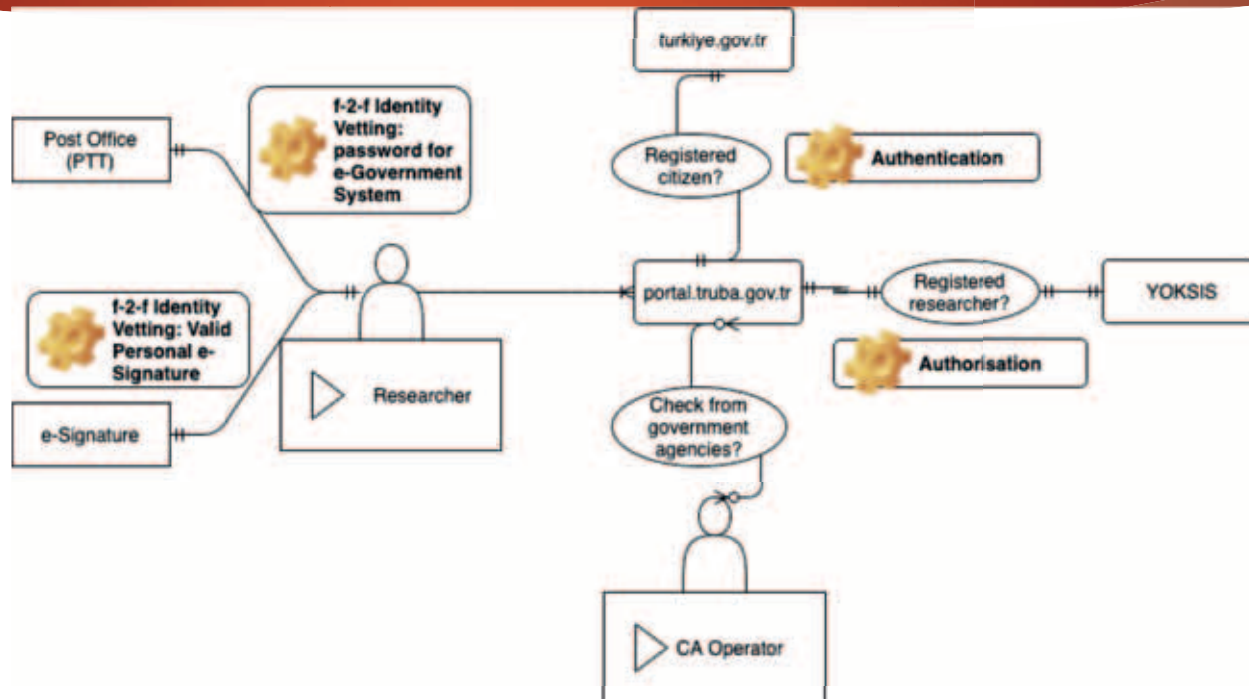
Next steps

▶ The portal is used to authenticate our infrastructure users now.

  ▶ We get request from this portal,

  ▶ Identity validation made by video conference,

  ▶ Get authenticated photocopy refers to the verification made by legal accepted notary public under Turkish law – We want to change this with official government data resources.

▶ Update CP/CPS as soon as possible.

▶ Submit for approval to PMA members.