### 44th EUGridPMA Meeting

### RomanianGRID CA Self-Audit

**Toulouse, France** 24-26.09.2018

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- RomanianGRID CA was established and is operated by the Romanian Space Agency (ROSA), a public institution supervised by the Ministry of Research and Inovation in Romania.
- Purpose: A top level Certification Authority to provide PKI services for the GRID activities of the Research and Academic communities in Romania

 RomanianGRID CA reached the "Production" status on the 9<sup>th</sup> of October 2007, when the CA was included in the IGTF Distribution of Authority Root Certificates

 Since January 2008 RomanianGRID CA is listed in TACAR (TERENA Academic CA Repository)

Website / Public Repository:

http://www.romaniangrid.ro

CP/CPS structure: RFC 3647



# Facts & Figures

#### **Registration Authorities:**

#### •Published on website:

IFIN-HH - Bucuresti RO

**ISS** – Bucuresti

**UPB** – Bucuresti

ICI – Bucuresti

UTC-N - Cluj-Napoca

**ROEDUNET-IASI** – lasi

ITIM - Cluj-Napoca

**UVT** - Timisoara

UB – Bucuresti

UCv - Craiova

**CSA-INCAS** – Bucuresti

**INCDMTM** - Bucuresti

SIS - Bucuresti

**UMF** – Bucuresti

**UTCB** – Bucuresti

•Active:

IFIN-HH - Bucuresti

ISS - Bucuresti

**UPB** - Bucuresti

ICI - Bucuresti

**ROEDUNET-IASI** - lasi

ITIM - Cluj-Napoca

# Facts & Figures

#### **Certificates**

Root certificate (CA certificate) validity:

Thursday, September 30, 2027 7:56:22 PM GMT+03:00

User / Server valid certificates

41 / 84 (125)

All certificates (2007 – p)

1632 total / 125 valid / 81 revoked / 1426 expired



# Changes since 2011 audit

- Subject min Keylength 2048 bits (v 2.0, Feb 2013)
- SHA-256 signing algorithm (Feb 2016)
- Extended CA cert lifetime to 20 years (v 2.1, May 2017)

Document used:

GFD.169 v1.1 (Oct.28, 2010)

- Overview:
  - 66 As
  - 4 Bs
  - 0 Cs
  - 0 Ds
  - 12 Xs



- B (minor change):
- All communications between the CA and the RA regarding certificate issurance or changes in the status of a certificate **must** be by secure and auditable methods. (Ref 3.2.3. 10)
- Done in practice signed emails not clearly specified in CP/CPS

- B (minor change):
- The certificate request submitted for certification **must** be bound to the act of identity vetting. (Ref 3.2.2. 7)
- Done in practice by RAs not clearly specified in CP/CPS

### B (minor change):

- The secure environment **must** be documented and approved by the PMA, and that document or an approved audit thereof **must** be documented and approved by the PMA. (Ref 3.1.2. 10)
- Completely offline signing machine in a security certified environment. Not clearly specified in CP/CPS
- Not clear what "Approved by the PMA" means.

- B (minor change):
- The records must be made available to external auditors in the course of their work as auditor. (Ref 3.1.8. - 44)
- Not clearly specified in CP/CPS

# Thank you!

