

## eduPKI

Addressing and harmonising trust across GN3 services

eduPKI aims to ease the usage of digital certificates for GN3 services, reducing the operational burden.

## 1 eduPKI provides three main facilities:

- Policy Management Authority (PMA), which will define procedures to assess GN3 services' requirements and categorise them into profiles; and also procedures to assess existing national CA operations against the agreed profiles
- A dedicated Certification Authority (eduPKI CA) to support participants of GÉANT services who cannot get certificates from national CA services and to test certificate profiles needed by GÉANT services
- An enhanced version of the existing TACAR, to store and distribute the eduPKI-participating Certificate Authority's root certificates (including the eduPKI CA root) in a secure manner

## eduPKI flow **GN3 Service A** presents NREN-CA wishes to issue the security requirements certificates in compliance to the eduPKI PMA. with the eduPKI profile A. **GN3 Service A** NREN-CA **Service A** publishes service's specifications on service A NREN-CA is added to website. These also include TACAR, under Profile A. compatibility with the edu PKI profile A. eduPKI service elements PMA verifies that NREN-CA's The PMA assesses service A requirements and prepares a procedures comply with profile Trust Profile for service A A. In the affirmative case the (Profile A). CA is accredited. eduPKI PMA **TACAR** 5 eduPKI CA TACAR is a trust eduPKI CA is added eduPKI CA supports all repository to handle to TACAR and linked profiles defined by the the distribution of root to the various PMA. certificates. certificate Profile.

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