

# **TACAR v2.0?**

**Notes from the 6<sup>th</sup> EUGridPMA meeting  
Vienna, January 2006**

# TACAR – the original intention

- secure trusted repository for trust anchors
- for site/services administrators  
(not a service for end users)
- easy installation of root certificates

# Current status

- trusted
- not used as much as expected
- “heavy” join policy
  - face-to-face meeting
- not user (= admin) friendly
  - zip archive of .pem, .der, and .txt
- manual selection of certificates to download

# Proposed changes

- easier joining rules
  - couldn't a body like the EUGridPMA act as an introducer/RA for new CAs?
- enable end user access
  - ServerSign EDU certificate on [www.tacar.org](http://www.tacar.org)
  - direct access to .der (.CRT) format
- provide for selection/pre-selected sets of certificates
  - e. g. EUGridPMA accredited, NREN PKI roots, etc.

# TACAR v2.0 implementation

- ServerSign EDU cert for the service
  - in a couple of months
- “installable” formats of individual certificates
  - easy – just provide links to .der files extracted from the .zip archives
- installable formats for sets of certificates
  - PKCS#7 for IE
  - TARs of certs for OpenSSL-based applications (-CApath)
  - redirection for Mozilla's NSS?

# TACAR v2.0 implementation

- search/select tool
  - LDAP storage?
  - XPS? (where is the code, anyway?)
  - possibility to let major relying parties (EUGridPMA) to define their pre-selected sets
    - storing the appropriate attributes...

# Beyond TACAR - TACVAS?

- TERENA Academic Certificate Validation Service
- run/outsourced by TERENA for member CAs
- OCSP (XKMS or ... in the future)
- eduGAIN CA, eduroam™ CA, eduWhatever™ CA...