

« *networking the networkers* »

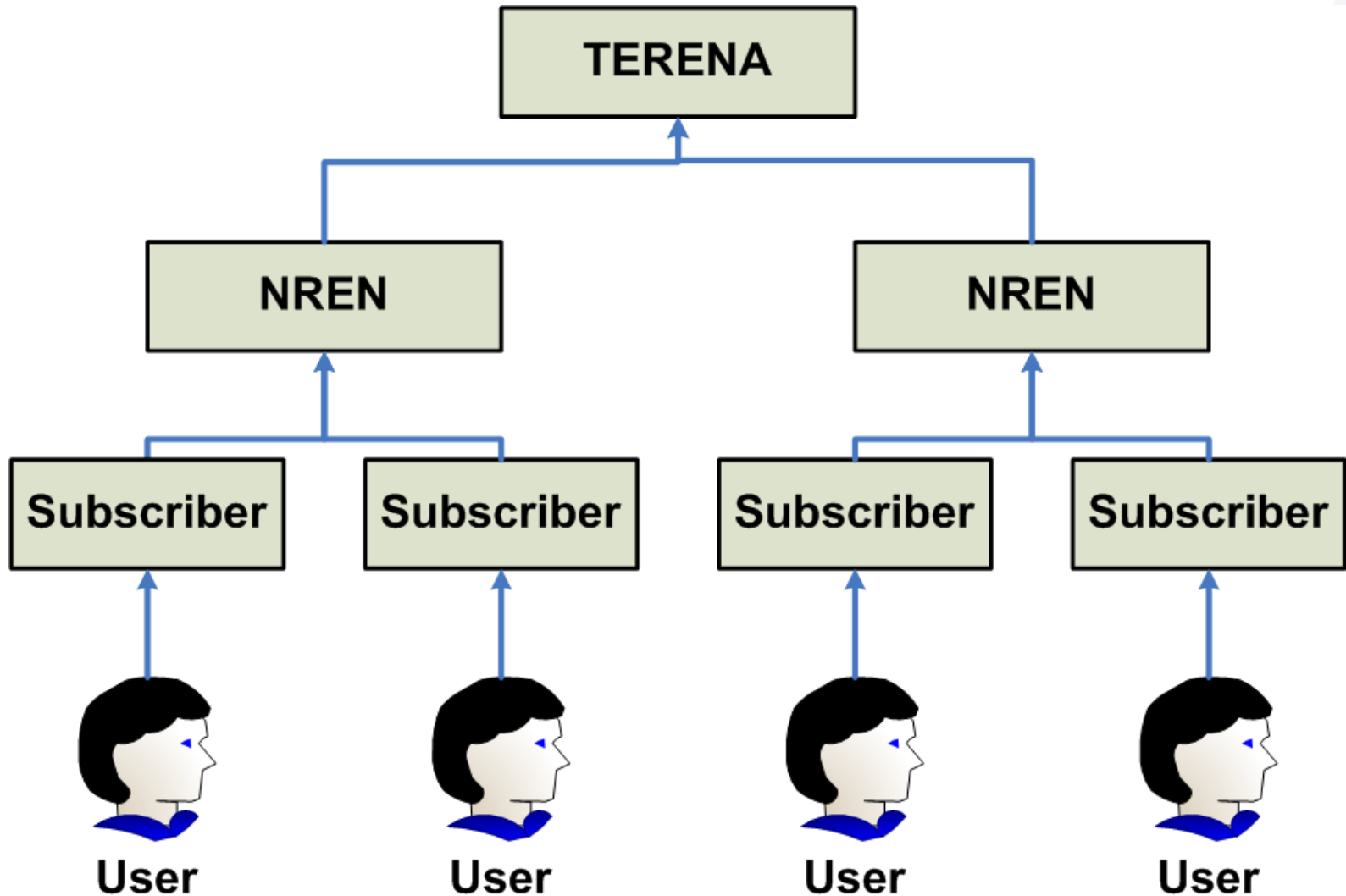


TERENA Certificate Service Roles and Responsibilities

17 March 2014



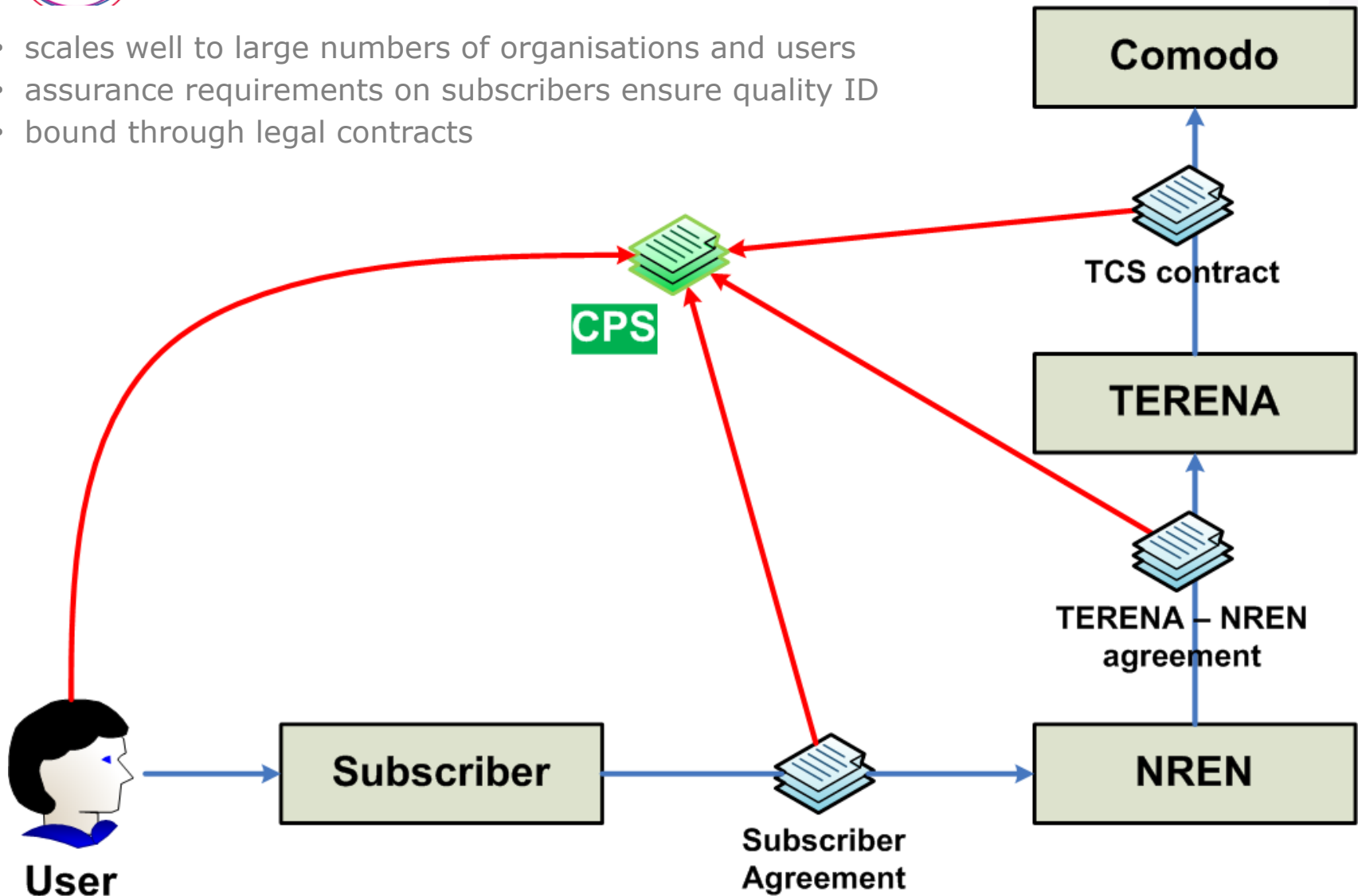
Delegated Responsibilities & Scaling





Built using contracts

- scales well to large numbers of organisations and users
- assurance requirements on subscribers ensure quality ID
- bound through legal contracts





TCS Documentation

- › TCS Certificate Practice Statement:
<http://www.terena.org/activities/tcs/repository/cps-server.pdf>.
- › TCS Subscriber Agreement (template):
<http://www.terena.org/activities/tcs/repository/subscriber-agreement.pdf>.
- › NREN RA Agreement (confidential).



Role Definitions - TERENA

- › is the legal entity contracting the service with the Supplier;
- › coordinates the service;
- › acts as administrative single point of contact for the Supplier on behalf of the NRENs;
- › does not perform any operational tasks directly related to certificate requests or certificate revocation requests;
- › interacts with the CA and with the NREN-RAs.



Role Definitions – Certificate Authority (CA)

- › commercial certificate vendor;
- › issues certificates on instruction of the RAs;
- › revokes certificates on instruction of the RAs or certificate holders;
- › involves no per-certificate human handling;
- › Provides functionalities for NREN-RA to perform their role.



Role Definitions – NREN Registration Authority (RA)

- › performs the validation of Subscribers for its constituency;
- › performs the validation of every certificate request for its constituency;
- › maintains the archive for the validation processes that it performs;
- › is usually run as a centralised unit by the NREN;
- › has direct access to the CA backend to authorise issuing certificates or revoking certificates;
- › is responsible for ensuring adherence to policies and procedures;
- › interacts with TERENA and with Subscribers;
- › delivers technical support to the certificate holders;
- › facilitates auditors.



Organisational Subscriber Representative

- › is officially appointed by a organisation served by an NREN (university, university college, research institution, etc.);
- › acts on behalf of that organisation in the process of requesting a certificate or revoking a certificate within the context of the TERENA SCS;
- › is a role usually fulfilled by at least two persons, depending on the size of the organisation and the number of certificates that it typically requests;
- › interacts with the NREN-RA and with the certificate holder.



User

- › is the person responsible for the certificate;
- › is typically a member of technical staff within an organisation: system administrator etc.(for server certificates) or a member or staff or student (personal certificates);
- › interacts with the Subscriber from a procedural point of view and with the NREN-RA for technical support.