

**DRAFT Minutes of TERENA Technical Committee Meeting
Tuesday 5 July 2005
TERENA Office, Amsterdam**

John DYER
APPROVED 13 October 2005

Present

Claudio Allocchio, VP Technical Programme & TTC Chairman
John Dyer (TTC Secretary)
Victor Reijs
Martin Sutter
Ton Verschuren
Karel Vietsch
Steve Williams

Egon Verharen of SURFnet and chairman of TF-VVC joined the meeting to present the work of this task force.

TERENA Staff

Valentino Cavalli
Licia Florio
Baiba Kaškina
Kevin Meynell

Apologies

Roberto Barbera
Andrew Cormack
Christoph Graf

1. Minutes of the Previous Meeting

The draft minutes of the previous meeting were approved without change.

Claudio informed that TTC that he had received a message from Brian Gilmore of Edinburgh University who had been undertaking MACE liaison for the TTC. Brian had said how much he had enjoyed being part of the TTC and thanked TTC members for their support and collaboration.

2. Review of Open Actions from Previous Meetings

Reference		Action	Status
20041220-04	LF	Email GA and TAC regarding browser certificate proposal	TTC Agenda Item
20041220-05	LF	Continue to develop browser proposal investigating the open tendering issues	DONE
20050401-01	LF	Obtain NREN commitments to funding server certificate pop-up free proposal by end April 2005	DONE
20050401-02	LF	Issue external invitation to tender for server certificate pop-up free proposal.	DELAYED

20050401-03	LF	Send one page explanation of JRA5/TF-MOBILITY relationship to TTC list.	REVISED ACTION
20050401-04	LF	Produce a proposal for guidelines for NRENs setting up CAs, so as to make them Grid compatible	ONGOING – discussions with EUGridPMA underway
20050401-05	BK	To ensure that a revised proposal from Egon is delivered to TERENA within two weeks of the TTC meeting.	DONE
20050401-06	MS	revise E2E document and present at TAC 2005	DONE
20050401-07	LF	investigate the availability of speakers and suitable location for a second introductory CAMP in October 2005 and the first advanced level event in Spring 2006	Fall 05 event scheduled for Porto, November 7-9
20050401-08	CA	Contact Roberto Sabatino of DANTE how they will handle future meetings of the collaboration group, in particular if TERENA can formally get feedback.	Use Heather Boyles of Internet2 as primary contact for this.
20050401-09	JD	Contact Diego Lopez and ask him if is willing and able to give a presentation on "Building Trust in Europe".	DONE
20050401-10	KV	to inform TTC members details of projects in which TERENA may potentially be involved	DONE

3. Report from the TEC meetings (CA)

At the 30 June meeting of the TEC, Claudio had reported that Brian Gilmore's position as European MACE liaison representative for the TTC has come to an end. Christoph Graf has also attended his last TTC meeting having served two terms of two years each. Christoph will be replaced by Andrew Cormack of UKERNA as the TTC member with responsibility for the security area. Victor Reijs will continue to be a member of the TTC for a second term. Roberto Barbera and Ton Verschuren will both stand down before the next TTC meeting in October, both having served two terms of two years.

The TEC had discussed: the TERENA Server Certificate Proposal; interactions between TERENA and the Cotswolds Group; the GN2 project and the "Connecting Schools Workshop" which is due to take place on 24/25 October in the London, UK. The TEC reviewed a document on the relationship between DANTE and TERENA, which from the TERENA perspective it concluded was complete. Two members of the TEC have produced some input for a TERENA communications strategy which will be reviewed and updated.

Claudio reported on the discussions regarding TERENA's involvement in EGEE-II, a proposal to the European Commission for a second phase of the EGEE project. It has been agreed by the TEC and the GA that it would be better for TERENA to take an independent role in the Grid community rather than being heavily involved in one specific project (such as EGEE). There are many successful Grid projects with whom the networking community should interact on a regular basis. Whilst the EC has funded activities such as the "GridCoord" project, this is primarily a Grid concertation activity, not specifically aimed at providing an information and collaboration conduit between Grid projects and the NRENs. The consensus in the TEC and GA is that TERENA should fill this gap by organising two workshops each year (similar to the May 2005 event) inviting all NRENs and Grid Projects to participate.

4. The 2005 Technical Advisory Council

The 2005 Technical Advisory Council met at PSNC, Poznan, Poland on Monday 6 June. The meeting was attended by 45 delegates representing 27 organisations in 20 countries. The meeting focused on three technical topics, each of which is introduced by a short presentation leaving sufficient time for open discussion. The topics and presenters were:

- End-to-End and Campus - Martin Sutter, SWITCH
- EUGridPMA - Christoph Graf, SWITCH
- Building Trust in Europe - Diego Lopez, RedIRIS

A report of the meeting can be found at:

<http://www.terena.nl/tech/tac/poznan/tac-20050606.pdf>

5. TERENA Networking Conference 2005

TTC members expressed their opinions of the TNC which took place in Poznan, Poland 6-9th June 2005. All the TTC members were very positive about the event. Several American delegates had asked why TERENA does not target the arts and humanities disciplines during TNC. Martin Sutter said that the SWITCH experience is that mixing arts and humanities delegates with networking techies does not necessarily mean they will talk or interact. Martin also suggested that organising an event containing a broad range of topics implies a large and complex programme which is difficult to manage.

In contrast, Victor Reijs reported that the demonstration of high-definition television streams from Gran Teatre del Liceu (the Barcelona Opera House) had stimulated the adoption of multicast on HEAnet. There was a general discussion about the use of network services to support collaboration between artists. The TTC suggested that the TNC 2006 programme committee be asked to consider a BoF on the topic. It was generally thought that it was too early in the adoption of such techniques to fill a whole TNC session with presentations.

ACTION 20050705-01: JD to inform TNC2006 PC of TTC suggestion.

TTC members agreed to try and identify arts and humanities groups that are developing novel uses of networks in order that a TNC session on the topic be organised at sometime in the future.

ACTION 20050705-02: All TTC members.

6. Reports on TERENA Task Forces

a. TF-NGN (Kevin Meynell)

The 17th meeting of TF-NGN took place during April 2005 in Zürich, Switzerland. Whilst most of the meeting was taken up with reporting progress on topics in the charter, there was also some discussion on optical technologies. There were reports on CzechLight and the SWITCH Lambda Tunnel.

b. TF-CSIRT (Baiba Kaškina)

Baiba reported that the last meeting of TF-CSIRT had taken place in Zürich on 13th May 2005. The meeting which was attended by nearly 60 people received

updates on e-coat (the European cooperation of abuse fighting teams), TRANSITS, FIRST and ENISA. Andrew Cormack spoke about the initiative to formalise assistance provision to new teams. The goal of this initiative would be to make it easier to find a team mentor, using TERENA as the initial point of contact.

c. TF-MOBILITY (Licia Florio)

Licia reported on the highlights of the previous TF-MOBILITY meeting that took place in Poznan on June 5th 2005. This included "Eduroam in a box" which is a pre-configured Linux system install DVD. Licia reported that there had been some discussion by UNI•C in Denmark regarding the integration of Eduroam with iPass. UNI•C has indicated that they would like to be the reference point for such integration.

The Internet2 community are interested in joining Eduroam, however they would like to see it Shibboleth enabled.

d. TF-EMC2 (Licia Florio)

TF-EMC2 has recently released the first version of a schema for academia. This can be found via the SCHAC web pages <http://www.terena.nl/tech/task-forces/tf-emc2/schac.html> . The TERENA Academic CA Repository (TACAR initiative) has been making good progress with the root certificates of Austria, Sweden and Portugal academic CA's recently being added. Martin Sutter pointed out that Christoph Graf suggests TACAR could provide several levels of confidence to reflect the rigor of the policy behind the trust anchors.

Licia reported on the progress that had been made with the Server Certificate Service (SCS) initiative. In brief, seven NRENs have signed up to the initiative. Administrative and procedural matters are being discussed by the TEC. Several TTC members explained their recent experiences with large procurements and it was generally agreed that an open tender following the EU procedure would be the best way to proceed. Claudio agreed to pass this message on to the TEC. The TTC also recommended that the invitation to tender should encourage a range of offerings. The suggested list is as follows:

- a. A simple discounted price for bulk purchase of normal commercial certificates;
- b. A price for running a CA dedicated to the TERENA community, including the cost of issuing the required number of certificates;
- c. The provision of a similar service offered in any other suitable fashion.

ACTION: 20050705-03: Claudio – Relay TTC suggestions on SCS procurement to TEC

Martin Sutter of SWITCH made some remarks regarding the provision of generic AAI and the Eduroam approach. In the case of a generic AAI system, when the user attempts to authenticate, the data is transmitted directly back to the home institution where the authentication process takes place. It is not sent anywhere else, so should be secure. When using web-based redirection as an interface to authentication, the data is sent via the resource and could therefore be compromised. As a consequence, SWITCH recommends that their users must not use their generic AAI credentials to authenticate on Eduroam. SWITCH maintain that it is unsafe unless there is a policy in place the specifically excludes the use of web-based authentication.

7. Middleware (Ton Verschuren)

Ton reported that a new international group called Middleware Investment Coordination for Education (MICE) had recently been set up. So far the group has not been active, but it has a dedicated email distribution list.

8. Cotswolds Group (John Dyer)

John Dyer introduced a paper that he had produced with Licia Florio on ways in which TERENA might support the Cotswold Group. In summary TERENA has discussed the scope of the work that needs to be undertaken with several individuals that have been involved in Cotswolds and jointly developed the following list:

- COOK-BOOK - Internet2 as already commissioned the cook-book, so this need not be considered by TERENA
- ROADMAP - the steps needed to put in place a framework that will allow the interconnection and interoperability of federations. This will include a survey of the Cotswold Group federations to ascertain how they operate and relate to internal bodies such as government/health/....
- FACILITATOR ROLE - This should include a dedicated website with an appropriate domain name and e-mail distribution lists. Branding for the activity including a logo and printed PR material. Organisational structures needed to implement the Cotswold Group activities will also be needed.
- COORDINATION - provision of collaborative links between Cotswold Group and TERENA activities such as TF-EMC2, SCHAC and relevant external groups such as EuroGridPMA will be needed.
- OUTREACH - The Cotswold Group will need to reach out to Grid and other appropriate communities and keep them informed of the developments undertaken in the Cotswold Group. It will also be important to be involved in the e-IRG and target inclusion of the Cotswold Group work in future editions of the e-IRG White Paper.
- POLICY - Will primarily describe an admission policy and process for additional federations to be admitted. Issues of privacy, level of assurance and liability will also be addressed. In addition the policy should address how setup a league of federations.

Ton recommended that when the list of items is completed and costed, a clear differentiation be made between the work that should be undertaken by the NRENs and their funding bodies and those items that TERENA could best coordinate. It was agreed that John and Licia would work further on the document and progress it through the most appropriate channels. Ton offered to circulate the revised document to the Cotswolds Group.

ACTION 20050705-04: John Dyer progress Cotswold proposal through appropriate channels.

9. TF-VVC (Egon Verharen)

Egon Verharen of SURFnet and chairman of the TF-VVC (Voice, Video & Collaboration) joined the meeting to present the work of task force. He reported that about half of the deliverables detailed at <http://www.terena.nl/tech/task-forces/tf-vvc/> have been completed. The remainder are currently being progressed. Egon expressed his concern that the work is rather fragmented with just a few individuals working on each activity. Egon questioned whether or not the work would be undertaken within the NREN community in the absence of such a TERENA task force. He thought there are many successful bi-lateral collaborations outside of the task force. The TTC concluded that the task force adds value by providing a single discussions forum. The findings of the task force are made accessible through the task force web pages also adding value. The TTC expressed strong support for the continuation of TF-VVC in its present form.

The TTC suggested that Egon attempts to raise the profile of the task force by inviting key people working in the area to participate. Individual task force members should invite new participants from NRENs that do not currently participate. Additionally it was suggested that Egon send a promotional email to TF-PR for onward distribution in the NRENs.

It was agreed that TF-VVC should continue to operate in its current mode until the end of August 2006 when the current mandate expires.

10. GN2 Foresight Study - successor to SERENATE (Karel Vietsch)

Karel reported that the GN2 Foresight Study which is the successor to SERENATE (<http://www.serenate.org/>) will start in March 2006 and run for 18 months. As in the first study the issues of Geographic Factors, Market Conditions and Technology will be evaluated with a view of predicting developments. The period being studied will be 2006 – 2012. The TTC were asked what technological developments should be considered. The following were suggested:

- Hybrid Networking
- Authentication and Authorisation Infrastructure
- Roaming (Wireless and UTMS integration)
- Optical Technology

It was also recommended that the study identify novel and advanced application developments by consulting research laboratories.

11. European Commission Projects

a. GN2 (Karel Vietsch)

TERENA is involved in several elements of the GN2. Karel gave a brief roundup of the status of work in these areas and reported that Tomaz Kalin has been appointed by DANTE on a part-time basis to manage the timely delivery of JRA deliverables. Details of GN2 activities can be found on the GÉANT2 web site: <http://www.geant2.net/>

b. 6NET (Kevin Meynell)

Kevin reported that the official EU review of the 6NET project had been extremely positive. The planned book has to be completed by September 2005 and will be a very useful tool for the 6DISS project.

<http://www.6net.org/>

c. EGEE (John Dyer)

The two year EGEE project started on 1 April 2004. TERENA has organised three of the four planned conference, the fourth being scheduled for October 2005. Many of the current project partners are involved in the development of a proposal for a second two year phase planned to start on 1 April 2006. As reported above, the June 2005 General Assembly decided that TERENA should work more generally with the Grid community rather than being involved as a full partner in any specific project. TERENA will therefore not be an EGEE-II partner.

<http://public.eu-egee.org/>

d. MOME (Baiba Kaskina)

The MOME project is scheduled to be completed by the end of 2005. A MOME event is planned in conjunction with the Paris IETF in July 2005. The date and location of the third MOME workshop have yet to be decided.

<http://www.ist-mome.org/>

e. LOBSTER (Baiba Kaskina)

The first LOBSTER workshop on Network Monitoring for the NREN community related issues focussed on technological advances in Network Monitoring. There was progress on policy and infrastructure design.

<http://www.ist-lobster.org/>

f. TRANSITS (Karel Vietsch)

The TRANSITS project formally comes to an end with the final report being submitted for review during September 2005. The work of this project will be continued collaboratively by TERENA and FIRST. Under an agreement that has been signed by both parties they will jointly organise two training courses in Europe. FIRST will organise a further three workshops, one being in the Asia-Pacific region and another in Latin-America. The FIRST secretariat has also committed to keep the presentational material up-to-date.

<http://www.ist-transits.org/>

g. NOAH (Kevin Meynell)

Kevin reported that the NOAH project partners gave produced a questionnaire (<http://www.fp6-noah.org/surveyor/questionnaire/index.php>) aimed at investigating the security needs of NRENs, ISPs and Companies. The purpose being to define user requirements. The NOAH project proposes to run a workshop early in 2006. NOAH partners have been in discussions with the Honeynet project (<http://www.honeynet.org/>) about possible collaboration.

<http://www.fp6-noah.org>

h. 6-DISS (Kevin Meynell)

The 6-DISS project aims to promote widespread adoption of IPv6 by providing IPv6 training and knowledge transfer in developing regions.

<http://www.6diss.org/>

i. SEEFIRE (Valentino Cavalli)

The SEEFIRE project which studies the options available for acquiring fibre network infrastructure for research and education networking in southeast Europe has been running since 1 March 2005. The project will hold a workshop in Sofia, Bulgaria during July and it is expected that many of the fibre owning companies will attend.

<http://www.seefire.org/>

12. Date of Next Meeting

The date for the next TTC meeting is Thursday, 13 October 2005 in the TERENA Office.

13. Any Other Business

Ton Verschuren informed the TTC that although his second term as TTC member does not officially expire until November, he would be unable to attend the next TTC meeting in October. The July TTC meeting would hence be his last. Ton suggested that at future meetings, the TTC focus on a specific technical topic and have in-depth discussions.

Claudio thanked Ton for his suggestion and for the four years of valuable contributions he had made to the TTC.

**Summary of New and Open Actions
As of 5 July 2005**

Reference		Action	Status
20050401-02	LF	Issue external invitation to tender for server certificate pop-up free proposal.	DELAYED
20050401-03	LF	Send one page explanation of JRA5/TF-MOBILITY relationship to TTC list.	REVISED ACTION
20050401-04	LF	Produce a proposal for guidelines for NRENs setting up CAs, so as to make them Grid compatible	ONGOING – discussions with EUGridPMA underway
20050401-07	LF	investigate the availability of speakers and suitable location for a second introductory CAMP in October 2005 and the first advanced level event in Spring 2006	Fall 05 event scheduled for Porto, November 7-9
20050705-01	JD	Inform TNC2006 PC of TTC suggestions on including arts and humanities applications in programme	NEW
20050705-02	All	identify arts and humanities groups that are developing novel uses of networks in order that a TNC session might be organised at sometime during the future.	NEW
20050705-03	CA	Relay TTC suggestions on SCS procurement to TEC	NEW
20050705-04	JD	Progress Cotswold proposal through appropriate channels.	NEW