

**Minutes of TERENA Technical Committee Meeting  
Monday 6 June 2006  
TERENA Office, Amsterdam**

John DYER  
APPROVED: 19 September 2006

**Present**

Claudio Allocchio, VP Technical Programme & TTC Chairman  
Andrew Cormack  
John Dyer (TTC Secretary)  
Jean-Paul Gautier  
Diego Lopez  
Victor Reijs (by video link)  
Martin Sutter  
Karel Vietsch  
Steve Williams

**TERENA Staff**

Valentino Cavalli  
Licia Florio  
Cătălin Meiroşu  
Kevin Meynell

**1. Minutes of the Previous Meeting**

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

**2. Review of Open Actions from Previous Meetings**

Reference		Action	Status
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.	CONTINUES
20060120-02	MS	Write a paragraph explaining the E2E-CI activity and the goals	ONGOING
20060327-01	LF JD DL	discuss urn:mace:terena.org with Keith Hazelton.	DONE
20060327-02	CA	Claudio to include AAI in Grid Strategy	DONE
20060327-03	JD	ask Klaus Moeller to circulate 3 <sup>rd</sup> NREN-Grids calling notice.	DONE
20060327-04	JD	send out the TAC agenda and calling notice	DONE
20060327-05	JD	to raise the question of whether to continue supporting the MOME database from TERENA's own resources after the end of the project.	DONE
20060327-06	LF	Identify TACAR accreditation representative in the US.	ONGOING
20060327-07	LF	arrange for the TACAR host to have an SCS certificate installed	DONE
20060327-08	LF	Include the REFEDs activity in the revised draft charter of TF-EMC2.	DONE

### **3. Meeting Reports (CA)**

#### **a) TEC**

Claudio reported that much of the April TEC meeting had been dedicated to the preparations for TNC. The TERENA NREN-Grid strategy was discussed and the TEC agreed that they are eager to increase TERENA collaboration with EUNIS in this area. It was known that the EUNIS president is keen to work on a top-down approach for the support of AAI. In support of this collaboration Martin Sutter will give a presentation on the "Campus perspective of AAI & Grid Users" at the EUNIS conference at the end of June 2006. The TEC also discussed TERENA's potential involvement in some project proposals to for European Commission calls. Two invitations to participate were turned down and one accepted.

#### **b) 2006 TAC**

Claudio gave an overview of the TAC. The full TAC meeting report can be found at: <http://www.terena.nl/about/tac/catania/tac-20060515.pdf>. In summary the presentations and discussions included: SCS; pan-European Video Conferencing Services; Connecting Schools; Email Whitelisting and the new task force on Life Cycle and Portfolio Management. The TAC reviewed the technical programme Special Interest Areas and made no changes.

#### **c) Catania GA**

Elections for two positions on the TEC took place due to members reaching the end of their terms of office. Lajos Balint of Hungary was reappointed as treasurer and Miroslav Milinovic of Croatia was elected as VP conferences.

### **4. Review of TNC2006 (CA)**

TTC members had been asked by Claudio to look out for interesting ideas whilst at TNC with a view to incorporating them into the TERENA technical programme.

A major area of interest was the presentation by Ann Doyle of Internet2 on their Arts & Humanities Initiatives. The initiative is focused on outreach and enabling collaborative live performances, master classes, and remote auditions in the performing arts. High Definition video is used to support these projects. In addition other activities involving museums and library collections, language instruction centers, history and film departments are underway to foster wider use of Internet2. Ann has made contact with several European NRENs (including: ACOnet; GARR; RENATER and SURFnet) with a view to undertaking collaborative work. The TTC believes that there is a role for TERENA in this field.

In discussions it was agreed that supporting this sort of application would very different in nature from other high-bandwidth applications that have established locations like radio-telescopes etc. The performing arts usually take place in theatres and other venues not normally connected with high bandwidth to the Internet. It was suggested that such use of the network might make a good case study for the EARNEST project.

**Action: 20060606-01:** John Dyer to feed this into the "other-users" studies for EARNEST

The TTC agreed that TERENA could take a role in promoting this sort of use of the network by gathering technical information on: setting up and testing the network; setting up microphones; lights; codecs etc. Maybe TERENA could coordinate events such as those Internet2 already hold. It was noted in passing that many of the end-to-end problems occur on the campus, sometimes as a result of "bad-boxes".

It was agreed that TERENA should try and form a panel of experts and TTC members provided a suggested list of contacts. Information gathering, discussion and dissemination should be achieved using an e-mail distribution list, wiki and web pages.

**Action: 20060606-02:** Cătălin Meiroșu to contact suggested list of experts and ascertain interest.

Other TNC topics that TTC members found interesting were:

- How to control hybrid networks, in particular support for high demand users whilst still serving the majority of traditional users.
- Security of networks being used for clinical data
- Sensor networks which are low-bandwidth but require total availability in hostile environments.

## **5. Global Environment for Network Innovations (GENI)**

The NSF Directorate for Computer and Information Science and Engineering (CISE) is planning an Initiative called Global Environment for Networking Innovations (GENI) to explore new networking capabilities that will advance science and stimulate innovation and economic growth. It was agreed by the TTC that we need to improve knowledge and understanding about this initiative in Europe, to ascertain if there should be European NREN involvement. As a first step, Valentino Cavalli will identify a European person with some understanding of the initiative to speak at the next TF-NGN meeting.

**Action: 20060606-03:** Valentino Cavalli to invite a presentation on GENI at TF-NGN.

## **6. NREN-Grids Workshop (JD)**

John Dyer made a verbal report on the 3<sup>rd</sup> TERENA NREN-Grids meeting that took place 27/28<sup>th</sup> April 2006. A link to the full meeting report can be found on the TERENA web site at: <http://www.terena.nl/nrens-n-grids/>. The workshop focussed on the topic of security and incident handling and concluded that:

- Grid Security and Incident Handling can best be handled by existing NREN-CERTs
- NREN-CERTs and Grid experts need to develop a close working relationship and good communication channels

It was suggested by TTC members that the 4<sup>th</sup> workshop which will be held in the autumn of 2006 should review the output of the first three events and verify that we are making progress.

**Action: 20060606-04:** John Dyer to put review of first three NREN-Grid workshops as an agenda item for 4<sup>th</sup> workshop.

## **7. MACE Liaison (DL)**

Diego reported that MACE has engaged with the work of SCHAC having provided useful comments on the schemas. He also mentioned the proposed merger between NLNR and Internet2 seems to be going ahead. As a consequence, Internet2 as we currently know it may disappear, however MACE may become an independent body. As a consequence the work of MACE has slowed a little.

## **8. EUGridPMA (LF)**

Licia Florio attended the EUGridPMA meeting at the end of May 2006 to present a proposal for a TACAR Trusted Introducer. Briefly, the process of using a Trusted Introducer relies on TERENA's ability to delegate authority for identification and verification to a small number of accredited individuals (the Trusted Introducers). These individuals will undertake the process normally undertaken by TERENA staff and pass the verified information back to TERENA in a secure manner for inclusion in TACAR. The proposal was accepted by EUGridPMA.

Christos Kanellopoulos of Greece presented a proposal to bring the Grid community on board with eduroam. The proposal is to create something similar to a Virtual Organisation for the Grid community which would operate its own top level radius server. Christos had talked to Jürgen Rauschenbach, the leader of GN2-JRA5 who saw problems in bringing non-European institutions into eduroam. The TERENA eduroam service already has AARNET in Australia NCHC in Taiwan as members however.

Milan Sova of CESNET presented the TERENA SCS to members of the EUGridPMA reporting the inclusion of multi-domain certification in the latest release of the CA.

## **9. TERENA Task Forces**

### **a) TF-NGN (KM)**

TF-NGN is scheduled to hold its next meeting 4-5 Jul 2006 in Ljubljana, Slovenia. The feeling is that although TF-NGN provides a forum in which useful discussions on lower-layer topics can take place, interest in the group has been falling for some time. The future of the group will be discussed at the next meeting to determine if there is sufficient interest in continuing, and if there is, what should be the focus. One suggestion was that it could be a European forum in which to discuss topics including GENI and GLIF.

### **b) TF-CSIRT (AC)**

Andrew Cormack presented the new charter for TF-CSIRT to the TTC. The document received unanimous approval and the group was re-chartered for a period of two further years.

### **c) TF-MOBILITY (LF)**

The revised TF-MOBILITY charter is not yet complete. It will be ready for consideration at the next TTC meeting.

**Action: 20060606-05:** Licia Florio to send TF-MOBILITY revised charter to the TTC list when complete.

#### **d) TF-EMC2 (LF)**

There have been many discussions regarding how TF-EMC2 should be organised due to wide field of topics that the task force covers. It was agreed by the TTC that a steering-committee should be setup comprised of the activity leaders. When this point has been incorporated in the revised charter it will be sent to the TTC which will make a decision by email.

**Action: 20060606-06:** Licia Florio to send TF-EMC2 revised charter to the TTC list when complete.

**Action: 20060606-07:** Claudio Allocchio to ensure TTC reaches a decision on revised TF-EMC2 charter.

#### **e) TF-VVC (SW, CM)**

A discussion regarding the future of TF-VVC was postponed until the outcome of work on a successor group has been concluded. Cătălin Meiroşu is working with members of the community to develop a charter for this which should be submitted to the next TTC meeting.

**Action: 20060606-08:** Cătălin Meiroşu to submit new charter to the next TTC meeting.

### **10. External Projects**

#### **a) 6DISS (KM)**

As part of its responsibilities in the 6DISS project, TERENA will organise an IPv6 workshop in South America. CLARA will provide local logistic support and select the attendees. Since the workshop location of Quito in Ecuador has only margin connectivity there have been some discussions on whether to provide the practical hands-on sessions locally or with a remote lab. Kevin Meynell who will represent TERENA will use his visit to make new contacts in the region.

#### **b) GN2 (KV, VC)**

Karel Vietsch was able to report that the financial support for the work of NA6 is secure until 2008.

Valentino Cavalli reported on the progress in the area of development support in NA4 of GN2. Since the beginning of 2006, a confidential report on the state of research and education networking in Romania has been produced; a country needs assessment as taken place in Moldova and follow-on activities for Morocco have been underway. TERENA is currently exploring arrangements for another four countries.

#### **c) LOBSTER (KM)**

There were two well attended LOBSTER events held at TNC2006 including a tutorial session. Project partners are currently looking for host institutions for three LOBSTER traffic measurement probes. The requirement is that the institution provides a basic PC with a gigabit Ethernet connector – LOBSTER will provide the software.

#### d) NOAH (KM)

Kevin reported that NOAH had held a successful workshop with three sessions on the topic of honeypots.

#### e) SEEREN2

TERENA is leading the information dissemination activity for SEEREN2, a project which aims to create the next generation of the southeast European segment of GEANT. A SEEREN2 session at TNC2006 provided an overview of optical networking in the region. TERENA will organise two training events for SEEREN2 including a summer school, probably in September 2006. The following event will be a conference track in the Balkans.

### 11. Next Meeting

The next TTC meeting will take place on Tuesday 19 September 2006 in the TERENA Secretariat offices, Amsterdam.

#### Summary of New and Open Actions As of 06 June 2006

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20060120-02	MS	Write a paragraph explaining the E2E-CI activity and the goals	ONGOING
20060327-06	LF	Identify TACAR accreditation representative in the US.	ONGOING
20060606-01	JD	John Dyer to feed Internet2 work with the arts community into the "other-users" studies for EARNEST	NEW
20060606-02	CM	Contact video for arts potential experts and ascertain interest	NEW
20060606-03	VC	Invite a presentation on GENI at TF-NGN.	NEW
20060606-04	JD	to put review of first three NREN-Grid workshops as an agenda item for 4 <sup>th</sup> workshop	NEW
20060606-05	LF	send TF-MOBILITY revised charter to the TTC list when complete.	NEW
20060606-06	LF	send TF-EMC2 revised charter to the TTC list when complete.	NEW
20060606-07	CA	to ensure TTC reaches a decision on revised TF-EMC2 charter.	NEW
20060606-08	CM	to submit charter of new video group to the next TTC meeting.	NEW