

**Minutes of TERENA Technical Committee Meeting
 Tuesday 20 January 2006
 TERENA Office, Amsterdam**

John DYER
 Approved: 27 March 2006

Present

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

TERENA Staff

Valentino Cavalli
 Licia Florio
 Baiba Kaškina

Apologies

Kevin Meynell

1. Minutes of the Previous Meeting

The draft minutes of the previous meeting were approved without 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
20051013-01	LF	Write definition of prerequisites for CAMPs.	OVERTAKEN – see notes below
20051013-02	AC	Convey the proposal for an AAI BOF at TNC 2006 to the Programme Committee.	DONE
20051013-03	LF	Check the status of the TERENA membership application to the Liberty Alliance.	DONE
20051013-04	AC	Convey the proposal for a Control-Plane session at TNC 2006 to the Programme Committee.	DONE
20051013-05	(T)	produce a stand-alone version of Chapter 3 "Deciding what system to use" and circulate to all NRENS	DONE – on meeting agenda for review
20051013-06	(T)	Identify a funding source to provide regular updates to a condensed version of the document "Recommendations on Real-Time Group Communication & Collaboration Services in Support of International Projects"	On agenda
20051013-07	SW BK	Liaise with document authors to condense the current version of the document and publish online	On agenda
20051013-08	JD	Discuss the possibility of utilising the UKERNA IPv6 workshop to support GN2-NA4 less-developed NRENS with VC	DONE
20051013-09	KM	Raise use of UKERNA IPv6 workshop material at TF-NGN	DONE
20051013-10	MS	Prepare a revised E2E and Campus Issues paper for the next TTC meeting	DONE

Matters arising from the minutes of the last meeting

1. An individual and a group interested in the areas of arts and humanities on the Internet have been identified:
 - a. Robin Mansell, Chair in New Media & the Internet, LSE, UK
 - b. Victor Reijs of HEAnet explained there was an initiative in Ireland to bring arts to the schools using the Internet

It was agreed that if we can be sure that we have a critical-mass of delegates who are interested in the topic of arts/humanities use of the Internet at TNC06, then a BoF should be arranged. If not, TTC members should continue to monitor the situation and plan a BoF at a later TNC.

Action 20060120-01: JD - Consider BoF at TNC2006

2. Arising from point 1b above, there was a discussion on whether or not schools would be eligible to use *eduroam*. The consensus of the TTC was that they would. In passing Andrew Cormack of UKERNA said that in the UK, the school community are rolling out shibboleth more aggressively than HE.
3. In respect of the statement of pre-requisites for EuroCAMP, Licia mentioned that the level of prior-knowledge of the attendees at the last camp varied considerably. Those from the NRENs have more technical knowledge and deployment experience than those from the campuses. Licia intends investigate the how to focus the programme accurately by questioning some of the attendees. In addition Licia will attempt to find more speakers from universities for future events. The intention is that the programme of future camps will be: high level information on the first day; policy on the second day. Future information pages about camps will explicitly mention if previous attendance at a lower level camp is a prerequisite.

3. Report from the previous TEC meeting (CA)

Claudio reported on the following topics:

- The DANTE-TERENA paper is now considered to be complete.
- The status of TERENA PDO recruitment.
- Claudio thanked Baiba Kaškina for her excellent work for TERENA over the past 3 years and wished her well in her new career back in Riga.
- The TEC appointed Jean-Paul Gautier of CNRS to serve on the TTC for a period of two years to look after Grid topics. They re-appointed Martin Sutter of SWITCH for a second two year period to continue looking after End-to-End and campus issues.
- The SCS contract was signed on the 9th January 2006. It is expected that the first certificates will be issued early March after a few remaining minor details have been agreed. TTC members congratulated the secretariat on the SCS initiative.
- The TEC approved the creation of TF-LCPM for a period of two years starting 1 January 2006 with Urs Eppenberger as the chairman.

4. Report on the activities of MACE (DL)

Diego Lopez reported on the MACE telephone conferences that take place every two weeks. A major topic of discussion has been the merger of National Lambda Rail and Internet2. There is some concern in MACE that the merger may lead to a curtailment or at least reduction in the middleware activity funded by NSF.

MACE reports significant progress in federation coordination. A group called shib-able has been created to drive content-providers into using Shibboleth compatible solutions. Currently many content providers are using either non-shib or proprietary solutions.

There is currently a review of Authentication and Authorisation architectures going on involving Internet2, MACE, EuroCAMP and GN2-JRA5. In the context of this, Diego noted that the Grid community roadmap foresees the use of X.509 based certificates (in VOMS). Diego would like to see a shift in the Grid community to adopt shibboleth based solutions. There will be some initial discussions at GGF in Athens during February 2006.

5. End-to-End and Campus Issues (MS)

Martin Sutter explained that in order to get to grips with the topic of End-to-End and Campus Issues (E2E-CI) in an effective way it is vital to understand which groups have problems and identify the nature of these problems. To that end we need to find out more about the work of Internet2's End-to-End Performance Initiative (E2Epi) and Middleware End-To-End Diagnostics Advisory Group (E2ED). We should also understand the impact that E2E-CI will have on Grid deployment particularly in respect of Virtual Organisations (VOs). Martin pointed out the complexities of supporting VOs.

Whilst VOs are comprised of people who themselves are affiliated to local physical organisations, it is highly likely that not all VO members belong to the same local physical organisation. There is hence the problem that the end-to-end services are delivered across multiple administrative domains. To further complicate matters, the services delivered by core-middleware are usually invisible to the end users. It is unlikely that VOs will be able to deal with tracking down and solving E2E-CI problems on their own. Martin suggested that a possible solution would be to put in place a service centre that has the appropriate knowledge and skills. The service centre could work in the area of understanding and coordinating the adaptation of communication services, collaboration services and ubiquity and roaming to the services provided by core middleware for VOs.

The TTC were asked to consider how this could best be progressed in the TERENA technical programme. Martin reported that there is growing acknowledgement of the issues from the community with interest in the topic being expressed by individuals from: France; Netherlands; Portugal and the United Kingdom. Activities such as: developing a list of high level questions to be addressed; resources; timeline and other groups to interact with need to be followed-up. Martin suggested getting an informal group together in the form of a BoF at TNC06 might be a good way forward. It was suggested that a presentation at the EUNIS conference in 28-30 June 2006 maybe a good vehicle for reaching campus staff. If these activities are successful in demonstrating community interest, a stand-alone E2E event could be organised after the summer. In the meantime Martin agreed to write a paragraph explaining the activity and the goals, and talk to a few people to hammer out the details.

Action 20060120-02: MS - write a paragraph explaining the E2E-CI activity and the goals

Andrew Cormack reported that UKERNA has a draft document exploring organizational issues for campuses that wish to deploy Grids. It is currently out with the UK academic community for consultation. Andrew offered to send a copy of the draft to the TTC.

Action 20060120-03: AC – send a copy of the UKERNA draft on deploying grids to the TTC email distribution list.

6. TERENA Strategy for Grids (CA)

Claudio suggested that following the two successful NREN-Grids workshops held in 2005, it was time to review progress and as a consequence had produced a draft strategy for future TERENA activities in support of Grids. Claudio said that it has become apparent that TERENA needs to encourage the involvement of campus administrators and identity providers. It was generally agreed that this will be difficult, but that should not prevent us from trying. TERENA can explore EuroCAMP delegates and other fora such as EUNIS for new participants.

Claudio noted that the next TF-CSIRT meeting to be held 23-26 January will be a joint event with FIRST. The programme includes Grid Security and Claudio suggested this as the “hot-topic” for the next TERENA NREN-Grids workshop, planned for April.

The topic of Bandwidth on Demand (BoD), was explored during the second workshop in November 2005 when Jean-Marc Uze of Juniper made a presentation on Schedulable Deterministic End-to-End Pipes. Whilst GÉANT offers premium-IP as a production service, European NRENs generally offer premium-IP only as a pilot or on-demand service. There was some question of whether or not the European NREN community is currently ready to embrace the provision of BoD. The general opinion was that it is a little early, however the TTC should monitor the situation with a view to raising it again soon.

Claudio summarised the strategy as a continuation of the six monthly workshops, each focussing on a single major topic. He also stressed the importance of involving campus administrators and identity providers. Claudio will be revising the strategy document, incorporating the ideas of the TTC discussion in a second version that will be presented to the TEC at their next meeting in February.

Action 20060120-04: CA – Revise the Grid Strategy paper, present to TEC and circulate to TTC.

7. Real-Time Group Communication & Collaboration Services (SW)

Steve Williams led a review of the document: “Recommendations on Real-Time Group Communication & Collaboration Services in Support of International Projects” by Egon Verharen & Erik Dobbelsteijn of SURFnet. In particular he wished the TTC to address the issue of TERENA’s role in this area.

The consensus view of the TTC is that TERENA can offer a useful service to the community by collating and distributing up-to-date information about Group Communication & Collaboration Services in the European NRENs. This should include the decision matrix and information about the services and support

offered by each NREN. If this is to be a useful resource, then it is vital that it is kept up-to-date. Various mechanisms for updating were discussed. The most appropriate seems one that allows a representative of each NREN to have write access to the store of information or pointers from the TERENA site to information held locally in a prescribed format. The secretariat will investigate and put in place such a system after the new PDOs are in post (after 1 April 2006).

Action 20060120-05: JD – Have new PDO with responsibility for TF-VVC to work on the above system (after 1 April 2006).

It was agreed that providing pan-European communication and collaboration services is not in the remit of TERENA and is best left to the NRENs and DANTE. TERENA may of course contribute some resources to the collective system in terms of local facilities which might include an MCU.

Steve Williams agreed to give the document a final proofread. During the process he will change the terms “should” to “will” in the sections describing TERENA activities.

Action 20060120-06: SW – Make the above changes and undertake final proof-read of the document

Action 20060120-07: BK will put the updated document on the TERENA webserver.

There was some discussion led by Victor Reijs of HEAnet regarding a proposal for a GN2 Service Activity in this area. In summary the work will flow on from the proposals in the Recommendations on Real-Time Group Communication & Collaboration Services in Support of International Projects document. In particular the suggestion which was backed by the TTC was to develop the SA without becoming a “buying-entity”. Victor agreed to discuss the way forward with parties involved (TF-VVC, HEAnet, SURFnet and DANTE).

Action 20060120-08: VR - discuss the way forward on GN2-SA with parties involved

7. Review of Progress in TERENA Activities (PDOs)

Each of the TERENA technical staff gave reviews of progress in the task forces and projects that they manage. For brevity, only the highlights are recorded here.

Baiba reported that the 17th TF-CSIRT meeting will take place in Amsterdam on 23-26 January 2006. The event is being organised jointly by TERENA and FIRST and is expected to be attended by around 130-150 delegates. Baiba also reported that TF-VVC had held a very successful HQ workshop in Utrecht, the Netherlands on 7th of November 2005.

Licia Florio announced that there would be meetings of GN2-JRA5, TF-EMC2 and TF-MOBILITY running back to back in Zagreb between 31 January and 2 February 2006. There would also be private side meetings of the EuroCAMP programme committee and the REFEDS group. The 3rd EuroCAMP will take place 3 - 5 April 2006, Ljubljana, Slovenia.

Karel Vietsch reported on the general status of activities in GN2. There are proposals to include items such as video-conferencing and a federated PERT in the plan for the third year of GN2. He pointed out that there is a need to transfer

ideas worked-on in the JRA's into Service Activities. The development of a policy for eduroam is being discussed, in particular the mechanism by which it may be enforced. Valentino Cavalli reported on the GN2-NA4 activities which have seen visits to Albania, Morocco and Romania in the past 12 months. He also outlined the plans for the coming year.

John Dyer reported that the EGEE project ends on 31 March 2006. TERENA has chosen not to be a partner in EGEE-II but will interact with the Grid community through the NREN and Grids workshops and the Grid related AAI work in TF-EMC2. There has been some discussion with the partners of EGEE-II about co-locating the fall 2006 NREN and Grids workshop with the EGEE-II conference which should bring some synergy.

Valentino explained to the TTC that the SEEFIRE project is almost complete with most of the deliverables already submitted. He highlighted a document on the deployment of dark fibre which provides information for NRENs that want to obtain bandwidth in this way. Since the document is in the public domain, it was suggested that it be made available via the TERENA website.

Action 20060120-09: VC – put a copy of the SEEFIRE document on dark fibre deployment on the TERENA webserver.

Date of Next Meeting

The next TTC meeting will take place on Monday 27th March 2006

Summary of New and Open Actions As of 20 January 2006

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
20060120-01	JD	Consider E2E-CI BoF at TNC2006	NEW
20060120-02	MS	Write a paragraph explaining the E2E-CI activity and the goals	NEW
20060120-03	AC	Send a copy of the UKERNA draft on deploying grids to the TTC email distribution list	NEW
20060120-04	CA	Revise the Grid Strategy paper, present to TEC and circulate to TTC.	NEW
20060120-05	JD	Have new PDO with responsibility for TF-VVC to work on the above system (after 1 April 2006).	NEW
20060120-06	SW	Make the "should"- "will" changes and undertake final proof-read of the collaboration tools document	NEW
20060120-07	BK	Put the updated collaboration tools document on the TERENA webserver.	NEW
20060120-08	VR	Discuss GN2 SA on Video	NEW
20060120-09	VC	Put a copy of the SEEFIRE document on dark fibre deployment on the TERENA webserver.	NEW