

**APPROVED Minutes of TERENA Technical Committee Meeting
Monday 12 January 2004
TERENA Office, Amsterdam**

John Dyer

Issued 28 May 2004

Present

Claudio Allocchio, VP Technical Programme & TTC Chairman
Roberto Barbera
John Dyer (TTC Secretary)
Brian Gilmore
Christoph Graf
Victor Reijs
Martin Sutter
Ton Verschuren
Karel Vietsch
Steve Williams (by video-link)

TERENA Staff

Valentino Cavalli
Licia Florio
Baiba Kaskina
Kevin Meynell

1. Minutes of the previous TTC meeting

The minutes of the previous TTC meeting on 23 September 2003 were reviewed and accepted without change.

2. Review of open Actions

Reference		Action	Status
20030923-02	JD	TERENA will contact the publisher regarding the new edition of the GNRT	Awaiting completion of editing process, now complete. Contact to be made.
20030923-04	VC	Publish the IP telephony cookbook as a TERENA Technical Report	On agenda
20030923-06	CA	Claudio Allocchio agreed to send Karel Vietsch some text on TF-CSIRT activities for inclusion in GN2	Overtaken
20030923-07	LF	Licia Florio to go ahead and implement Repository of NRENs Root-CA certificates	DONE
20030923-08	CA	Recommend reappointment to two members of TTC who have completed their first term	DONE
20030923-09	CA	Appoint Programme Committee (by end 2003) for large TERENA organised AAA workshop during 2004	On Agenda
20030923-10	CA	Claudio to raise three-year planning cycle at Oct 2003 GA	DONE
20030923-11	TV	Ton produce presentation for next TTC on the topic of "The organisational relationship between the US MACE initiative and middleware activities in Europe"	To be presented during the meeting

3. Reports by TERENA Tech Staff on the TERENA Task Forces

a. TF-NGN (Valentino Cavalli)

TF-NGN met in Cambridge during September 2003, the next meeting is scheduled for 23-24 January 2004 in Madrid. Attendance at the Task Force is still high with approximately 40 attendees at each event. TF-NGN are discussing the issues relating to PERT and also doing work on IPv6 in the context of the 6NET project. At present optical technology is a topic of information exchange between the NRENs rather than for hands-on work.

b. TF-MOBILITY (Licia Florio)

The Task Force is on schedule with its deliverables and has planned its next meeting for 30 January 2004 at the TERENA office in Amsterdam. This will probably be the last meeting before TNC in June. The TF-MOBILITY charter runs until June 2004. The plan is for all deliverables to be on-line in advance of this date with the results being announced at the TNC.

It is expected that the work started in TF-MOBILITY will be continued in the context of JRA5 in the GN2 project.

There have been some discussions regarding the conditions of use of mobile connections and the general consensus in the Task Force is that the sponsoring (or home) institution of the mobile user should take primary responsibility for the actions of their roaming users.

Action 20040112-01: Licia to document this policy for the TF-MOBILITY meeting in January.

c. TF-AACE (Licia Florio)

There are two major points to be concluded in the work of TF-AACE:

- i. CA Anchor repository – all discussions are undertaken by email on the TF-AACE email list
- ii. The proposal from the TF leader to refocus the deliverables on interoperability through the use of SAML. Roland Hedberg is working on a proposal to use the regular expression protocol to achieve this. This work is expected to be complete before TNC 2004.

It is expected that the work of TF-AACE will continue in the context of GN2 JRA's after the current charter expires in May 2004.

d. TF-CSIRT (Baiba Kaskina)

TF-CSIRT held three very successful meetings during 2003, the last meeting (25-26 September 2003, Amsterdam) was attended by approximately 80 participants. At the time of the TTC meeting 70 participants had already registered for the 15-16 January 2004 meeting in Madrid. It was noted that although the current mandate for TF-CSIRT expires in May 2004, the Task Force still has much work to do and will be requesting an extension from the TTC.

It was reported that the GN2 documentation includes a formal liaison with TERENA TF-CSIRT, however the reciprocal agreement still needs to be discussed by the Task Force. It was reported that GN2 JRA2 calls for the establishment of an incident response service to cover both the GN2 backbone and the connected NREN backbones. It was agreed that this probably means that the incident response service should cover end-to-end connectivity and should therefore include coverage for campuses.

e. TF-NETCAST (Baiba Kaskina)

The TF-NETCAST mandate is due to end in February 2004. It is envisaged that the final TF-NETCAST will be presented at TNC in June. It was noted that as far as we know, the work of this Task Force is not included in any of the GN2 JRAs. Five out of the nine Task Force deliverables have been completed although there have been problems in progressing the concept of an academic channel. Baiba reported that Diego Lopez the convener of TF-AACE has proposed some collaboration between TF-AACE and TF-NETCAST.

Steve Williams (TTC member for Video Conferencing and Streaming) agreed to explore the issues relating to providing an international video conferencing service. In discussions he noted that there have been many experiments with work on topics such as: portals; Directories; Quality of Service; and Reservation System. The challenge will be to integrate such experiments into a coherent international service.

Action 20040112-02: Steve Williams – Explore the international video conference experiments and make some proposals/recommendations to the TTC.

Steve is of the opinion that since the topic of international video-conferencing is not included in GN2, there is a need to continue this work in the context of a traditional TERENA Task Force. Any new mandate should also include video-on-demand. Victor Reijs explained that a coherent video system for Europe needs more than technical solutions and will rely heavily on a strong network of collaborating human experts. This might be achieved in GN2 JRA3.

4. Report on GA / TEC Activities (Claudio Allocchio)

As part of the October 2003 General Assembly in Copenhagen, the Secretariat had arranged additional complementary events to accompany the formal GA meeting. On the first day there were presentations by the Task Forces leaders (or their representatives) giving an overview of the current work and achievements of the groups. This was extremely well received by the GA members and had the added benefit that it provided an opportunity for the Task Force leaders to exchange ideas amongst themselves. The presentation material can be found from the GA20 index page with the URL: <http://www.terena.nl/about/GA/ga20/GA20info.html>

Dorte Olesen, the TERENA President arranged for Per Thorbøl to give a presentation on the Danish Sektornet. This can be found from the GA20 index page indicated above.

To conclude the GA event, there was a mini-symposium on NREN Controlled Fibre. The focus of this event was to explore the business aspects of operating such a system, however of necessity, the presentations contained a significant technical element. In summary, the attendees found the event extremely useful and requested that TERENA arrange similar events in the future. A meeting report and presentation material can be found at: <http://www.terena.nl/conferences/nren-fibre/>

Claudio went on to report that the last TEC meeting (December 2003) spent a significant portion of the meeting dealing with routine administrative business relating to the secretariat.

The TEC were also given updates on: the IST project proposals; TERENA Compendium; Membership Development Programme; and EURID.

In discussions the TEC decided that it would be prudent not to volunteer a TERENA representative for the EURID Board, however it would sanction membership of EURID at a lower level, as an associate member for example. It was also noted that there are delays in

defining the rules for registration under the EU domain and consequently the opening of registration will be delayed, maybe by 12 months.

5. Hot-Topic Presentation (Ton Verschuren)

“The Organisational Relationship between the US MACE Initiative and Middleware Activities in Europe”

In order to help create a national interoperable middleware infrastructure for research and education, Internet2 has brought together a group of leading campus IT architects to provide technical advice and direction. This group, is called MACE (Middleware Architecture Committee for Education).

Middleware activities in Europe are not coordinated in such a coherent fashion with work being undertaken in TERENA Task Forces and projects either within the context of TERENA or other fora.

Ton addressed the topic by exploring the current situation and suggested that European-wide Research and Development is difficult to organise and manage to such an extent that it is virtually impossible. He also noted that roll-out of new developments on a European scale requires collaboration and knowledge dissemination. TERENA hence has a role in Community Building and should focus on early field trials and roll-out.

In exploring the funding aspects of the topic, Ton asserted that without the appropriate level of funding, no progress can be made. He cited the case of TF-CACHE in which the technical work was under-pinned by the funding of the DESIRE project. This arrangement led to a successful project and a successful Task Force. The conclusion that Ton reached is that in order to build successful Task Forces, they should be built on or around funded projects. Christoph pointed to TF-AACE as a successful Task Force undertaking European co-ordination without such funding support. Upon reflection, the work of TF-AACE is based on development funded by national investments and other funding sources. John Dyer noted that the TERENA ASTON Initiative was unfunded and produced some valuable results. Although ASTON did not directly result in an ASTON project, it did lead to a very detailed specification of the NREN optical networking requirements which formed an input to the GARDEN, GRANDE and GN2 project proposals.

It was noted that MACE is a group of volunteers supported by people funded by Internet2. This has some parallels in Europe with the TERENA Task Forces undertaking voluntary work supported by TERENA staff. The main difference is the level of funding available which is small in the case of TERENA compared with that of Internet2. The major inputs that can be provided by TERENA staff are:

- Logistical and Secretarial Support for Task Forces
- Project Management and through the flywheel effect, getting things done
- International and European Liaison

In the context of future developments, Ton suggested that the “Grid” has two years to prove itself as a viable and useful concept. The EGEE project (in which TERENA participates) has two years funding so should be in a position to develop a Grid service. He is also of the opinion that the Grid community will be a minority interest targeted at specialist groups and will remain separate from the mainstream network user on the campus. Brian Gilmore was not so pessimistic and thinks that within the next two years up to 50% of campus science users will be using the Grid. His concern is that the current incarnation of the Grid will not scale sufficiently and he doubts that it could support the potential 6 million users in the UK. The main problem he sees is in the provision of a coherent and pervasive Authorisation and Authentication services.

Roberto thought that scaling might not be such a problem and pointed to the LCG (computing Grid) which has 70 participating institutions. He also went on to discuss the

proposed EGEE distributed authentication system which will be based on VOMS and VOX. This is a very large community and should be taken into account.

It was agreed that much of the TERENA technical fora will undertake their work in the context of GN2 over the next few years. There could also be some need for EGEE related activities in TERENA. Additionally there may be the need for other activities to cover topics not included within these projects – Video conferencing and Video on Demand are specific current examples. Brian Gilmore stressed the need to continue to search for other opportunities.

In conclusion the speaker made the point that a major activity for TERENA will be expectation management.

6. TERENA Projects

a. GNRT (John Dyer)

John Dyer reported that he has reviewed all the on-line pages of the GNRT, and made editorial changes to the content. The new version of GNRT is now officially released and may be found at <http://gnrt.terena.nl>

TERENA has announced the release in a news flash which can be found at: <http://www.terena.nl/news/2004/newsflash141.pdf>

John Dyer will be contacting the publisher of previous editions of the GNRT to see if they are interested in the new edition.

Action 20040112-03: John Dyer – Contact Publisher

b. IP Telephony Cookbook (Valentino Cavalli)

Valentino Cavalli reported that he will be sending the latest draft version of the IP Telephony cookbook to the TTC email distribution list at the end of January. There will be a one month period in which external reviewers and the TTC can make comments in advance of the final version being agreed.

Action 20040112-04: Valentino Cavalli – send IP Telephony cookbook to TTC

Action 20040112-05: TTC members review before the end of Feb 2004

c. Directory Schema Registry (Licia Florio)

Licia reported that the Directory Schema Registry project undertaken by Peter Gietz has been successfully completed and the results are online at: <http://www.terena.nl/tech/projects/SchemaRegistry/>

She noted that the results have been taken up by the Internet2 community which is also funding further work in this area.

d. Open LDAP (Licia Florio)

This project has been significantly delayed by the discovery of a big security problem in the code. Specifically the system was susceptible to Denial-of-Service attacks. This was fixed by the end of December 2003, but the development needs de-bugging and testing. The final deliverables and final report have yet to be delivered.

7. External Projects

a. EGEE (John Dyer)

John Dyer reported that good progress is being made with the EGEE project preparations. John Dyer and Licia Florio are working together to develop the external EGEE website and coordinate the logistics for the four EGEE conferences that will take place in the two years after the official start of EGEE – expected to be 1 April 2004.

The EGEE website can be found at <http://public.eu-egee.org/index.html> and already contains details of the first EGEE conference and other related events.

b. GARDEN/GRANDE (Valentino Cavalli)

The evaluation reports of the GARDEN and GRANDE projects have been released. It is understood that the evaluation scores of these two proposals are not sufficiently high to ensure that they are funded – that will depend of the priorities assigned to these projects by the Commission.

c. MOME Cluster (Baiba Kaskina)

The MOME cluster project officially started on 1 January 2004. TERENA will develop, host and maintain the project website and run the emailing lists. The initial meeting of the MOME partners will take place in Salzburg 26-27 January 2004. It is expected that TERENA will organise a MOME workshop in March 2004.

d. GN2 (Karel Vietsch)

The evaluation report on the GN2 project was due to be delivered to the GN2 partners before Christmas 2003. Formally, a ranking of submitted proposal has then to be undertaken before negotiation can begin. The evaluation was quite positive, but identified some areas of weakness that need to be addressed.

In discussing how the probable funding of GN2 would affect the work of TERENA, it was agreed that the concept of back-to-back meetings of TERENA Task Forces and JRA groups would be a useful concept. The JRA's identified in GN2 are:

- JRA1 – Performance Measurement and Management
- JRA2 – Security
- JRA3 – New Service Development
- JRA4 – Technology and Service Testing
- JRA5 – Mobility and Ubiquity

It is important that the TERENA Task Forces study the GN2 roadmap and identify ways in which collaboration and cooperation can take place.

8. Call for Proposals and New Ideas (Claudio Allocchio)

Claudio noted that the outcome of TNC2003 call for Proposals and New Ideas had not been spectacularly successful with only one proposal going on to be funded through the TERENA minor projects initiative. It was agreed that rather than look for specific focused projects, we should invite suggestions for more wide reaching development area – like new SIAs for example.

Claudio agreed that he would draft some text for a call for ideas and send it to the TTC email distribution list for comment.

Action 20040112-06: Claudio Allocchio – Circulate draft text of call

Action 20040112-07: TTC members – comment on draft text

9. Task Force Leaders Meeting

As a consequence of the success of the TF Leaders presentations at the October 2003 GA, and the subsequent interactions between the leaders, it was agreed that similar future events should be arranged. The consensus reached was that a meeting of TF Leaders (of no more than two hours duration) should be arranged at some time during TNC 2004.

Action 20040112-08: John Dyer – Arrange TF leaders meeting for TNC 2004.

10. Any Other Business

Carol de Groot, the TERENA PR and Conference Officer presented a short paper to the TTC requesting input for the TNC 2004 programme. TTC members are requested to review the document and provide input to Carol before the end of April 2004.

Action 20040112-09: TTC members – Provide input of TNC 2004 programme.

Next Meeting

Date: Friday 26 March 2004

Time: 09:30 – 16:30

Location: TERENA Office, AMSTERDAM

Summary of New Actions

Reference		Action
20040112-01	LF	Document institutional responsibility policy on roaming users for the TF-MOBILITY meeting in January.
20040112-02	SW	Explore the international video conference experiments and make some proposals/recommendations to the TTC.
20040112-03	JD	Contact Publisher regarding GNRT
20040112-04	VC	send IP Telephony cookbook to TTC (end Jan 04)
20040112-05	TTC	review IP Telephony cookbook before the end of Feb 2004
20040112-06	CA	Circulate draft text of call for ideas
20040112-07	TTC	Review call for ideas text and comment
20040112-08	JD	Arrange TF leaders meeting for TNC 2004
20040112-09	TTC	Provide input of TNC 2004 programme to Carol de Groot before the end of April 2004.