

**2<sup>nd</sup> TF-VVC meeting**  
**2 February 2005**  
**Via H.323 video conference**

Author: Baiba Kaškina

**Participants:**

Kaveh Aasaraai	IPM
Pantelis Balaouras	GRnet
Michael Caruana	University of Malta
Erik Dobbelsteijn	SURFnet
Alessandro Falaschi	University of Roma
Franca Fiumana	CINECA
Baiba Kaškina	TERENA
András Kovács	NIIF/HUNGARNET
Michal Krsek	CESNET
Robert Macek	CARNet
Mihály Mészáros	NIIF/HUNGARNET
Saverio Niccolini	NEC Europe Ltd.
Sean O'Brien	HEAnet
Hans Pfeiffenberger	Alfred Wegener Institute
Jan Ruzicka	CESNET
Harri Salminen	CSC / Funet-TV
Christian Schlatter	SWITCH
Ulrich Schwenn	Max Planck Society
Terence Scott	University of Malta
Egon Verharen	SURFnet
David Vrtin	ARNES

**Apologies:**

Dan Mønster	UNI-C
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**1. Welcome and roll call**

Egon welcomed the participants of the second TF-VVC meeting. He thanked Christian and SWITCH for being able to host this meeting ad-hoc. András apologized for their technical problems which were caused by usage of the latest version of the MCU software. Egon made a roll call to see who had joined the meeting.

**2. Agenda bashing**

Egon proposed to discuss in addition to the existing agenda the following items:

- Addition of new work items vs. working groups,
- Form of the next meetings i.e. experimenting with conferencing.

No other changes to the agenda were made.

**3. Events @ TNC 2005**

**3.1. TF-VVC meeting @ TNC 2005**

The group discussed whether there should be an official task force meeting during the TERENA Networking Conference 2005. Baiba informed others about the possible time slots and it was decided to have the TF-VVC meeting in Poznan, Poland on Thursday, 9 June 2005 afternoon (around 14:00), after the TNC.

The meeting should be mentioned in the TNC programme to attract participants outside the task force group. The room for the meeting should be equipped with video conference facilities in order to allow participation remotely.

*ACTION 2.1 – Bartolomiej to investigate possibilities to have video conferencing equipment for the TF-VVC meeting in Poznan.*

Egon said that the purpose of the meeting was to present the results from the first year's work of the task force and later a report about that should be submitted to the TTC.

Egon also encouraged people to submit already existing results for the TNC "Call for recent results".

### **3.2. VoIP training @ TNC 2005**

Erik gave an update about the preparations for the VoIP training @ TNC2005. It has been agreed to have a full day workshop targeting mainly the technical audience from institutions. He asked the group to help in promoting the event to their end-users and local mailing lists. He was very glad that the workshop will feature some interesting speakers. Erik asked people to send their ideas for the workshop if they had any and to participate in it.

## **4. Discussion of Activity areas and Work items**

Egon asked each activity area and work item leader to give an update. If the work item leader was not present he was asked to give an update to the mailing list.

### **A: Various guides relating to providing voice, video and data collaboration services**

Rui did not participate in the meeting, therefore no update was given.

Ulrich said that the Max Planck Society and Alfred Wegener Institute had a joint guide to video with high-quality rooms in German. He offered to translate the abstract and to send it to the mailing list to see if it could be useful.

*ACTION 2.2 – Ulrich, Hans to send the abstract of the guide about video with high-quality rooms to the mailing list.*

### **B: Content Delivery Infrastructures for Live Streaming**

Alessandro gave a summary about his work with the OpenCDN. The support for Helix was implemented in the OpenCDN software, but it was not tested yet. Alessandro asked for volunteers to test it. The authentication infrastructure among entities was not developed, in Version 7 the common secret was used. Some progress has been made to combat the aging of the data, i.e. data has been time-stamped.

Future plans include fixing issues when the relay goes down due to networking problems. Also he informed the group that the University of Parma would develop the adaptation layer for the Windows Media server.

The OpenCDN portal in Rome (hosted by the University of Rome) was open to everyone, Alessandro planned to start another portal (hosted by different organisation) for more important events.

## **C: Content Access Portal**

Egon said that there has been no progress with this work item.

Michal told the group about his contacts with a Czech publishing company interested in the CAP area. He promised to send the contact details to Egon. He also said that CESNET's budget for the next year has not been approved yet, but he has asked for money to start project to develop Google-like searching in European video content portals. Egon asked him to keep the group updated about this project.

*ACTION 2.3 – Michal to send contact details of the Czech publishing company interested in the CAP.*

*ACTION 2.4 – Michal to inform the group about the progress with the project to develop Google-like searching in European video content portals.*

## **D: Metadata**

Harri told the group that no progress has been made in this area. He proposed to make a survey to find out what exactly people were using, what was missing, discuss some new approaches e.g. RSS feeds, etc. Egon suggested Harri to send the initial questions to the mailing list, to discuss them and then to ask the group to submit answers.

*ACTION 2.5 – Harri to send the first draft of the Meta-data survey to the mailing list.*

## **E: Academic Netcasting Channel (Live Streaming Infrastructure)**

Michal spoke about the Academic Netcasting Channel (ANC: <http://live.academic.tv/>). Since the CESNET's budget has not been approved he has not done any work on the ANC. He pointed out that only 3-4 people were adding information and events to the ANC. Egon encouraged people to submit their events to the ANC.

Egon told the group about the latest activities in the Netherlands in this area, including a new project to create an educational channel over internet which would be available both in high quality MPEG-2 and Windows Media. It was scheduled to go live in September 2005.

Michal said that in the Czech republic a public broadcasting company was making a new programme for the educational community. CESNET was not involved in that project. The company would use classical broadcasting methods, not IP.

Kaveh informed the group about IPM activities in the area. They had developed an online conferencing web-application which used GSM codec for audio and WMV for video. The application was public and he offered the group to test it.

## **F: Global Dialing Scheme**

Egon said that he had participated in the APAN meeting in Bangkok a week ago and had given a tutorial about GDS and directory standards. In the APAN region Australians have been very active, many organisations expressed their interest to join the worldwide initiative. There was a SIP tutorial given as well and it received a lot of positive feedback. Unfortunately deployment of ENUM is not very fast due to manly political reasons. Therefore separate SIP islands are not able to dial each other freely and people are looking for other solutions, e.g. private ENUM trees, and a global SIP hierarchy, like GDS.

All believe that the future solution would be ENUM, but global SIP hierarchy can be a temporary solution. There would be 3 top level SIP proxies in Europe, North America and

Asia with country proxies in the next level for the global SIP hierarchy. Egon thought that TF-VVC could participate and coordinate this activity in Europe. He asked for volunteers from the group and his intention would be to build a service which would work 2-3 years while ENUM and DNS based dialing would be in place.

Jan said that he would like to participate in this project and proposed using private ENUM. Egon thought that it was a good idea. Saverio said that he would be interested to participate as well but he was very skeptical about Egon's proposal of a SIP dialing hierarchy.

### **G: Integration of conferencing, streaming and data collaboration systems**

Erik informed the group that his short paper for the TNC was approved. He would mention there 2-3 deliverables from this activity area and could include other ideas. He encouraged people to send their ideas to the mailing list.

Ulrich wanted to clarify the content of this activity area. Erik said that it has not been defined very strictly and included all kind of collaboration apart from audio and video, e.g. application sharing, white board, etc. The bi-directional collaboration should be emphasized but he did not want to exclude one-way collaboration, e.g. Power Point usage. Erik said that a common middleware is lacking for that kind of communication. Ulrich mentioned the Access Grids software as one of the possibilities. Erik thought that other alternatives should be evaluated. Harri proposed to consider VRVS or VNC. The group discussed these and other options, e.g. Conference XP.

Christian informed the group about his experiments with Starbak product for recording and sharing of conferences. He would send some details to the mailing list.

*ACTION 2.6 – Christian to send details about his experiments with Starbak product for recording and sharing of conferences to the mailing list.*

The group discussed their experiences with Codian products including streaming videoconferences and VNC data collaboration. H.239 standard was discussed as an alternative. Ulrich offered a possibility to participate in tests of H.239 with MCU and recording unit. He also wanted to discuss the tests results in the mailing list

*ACTION 2.7 – Ulrich to send information about testing possibilities of H.239 and the test results.*

Egon mentioned his plans to test stream splitting with Netcaches to serve around 5000 people without burdening MCU. The group discussed possibilities to use multistreaming (multicast) and how many users had multicast enabled as well as other issues. It was agreed to continue the discussion in the mailing list.

### **H: High-end/quality systems**

Egon said that the goal is to organise the second high-end/quality systems workshop. He had spoken with people in the APAN which had more experience in this area. The workshop could be organised together with the TF-VVC face-to-face meeting. He has received also proposal from Barcelona to work in this area.

Michal told about CESNET plans regarding two new HD cameras.

Egon summarised that many discussions have been carried out in the Internet2/ResearchChannel Bigvideo mailing list and he would ensure that the groups

(INTERNET2, APAN and TERENA) are aware of each other and cross post the most interesting emails.

### **I: Usability - improving user interfaces**

Ulrich asked to explain what was meant with this activity area. Egon explained it and proposed to remove it from the list of activity areas since nobody has volunteered to do some work. It could be hold as an interest for future.

*ACTION 2.8 – Baiba to put activity area “I” on hold.*

### **J: Access control to video resources**

The activity area leader Jose-Maria was not participating in the meeting. This activity area is collaborating with the TF-EMC2 task force, but nobody from that task force participated in the meeting.

*ACTION 2.9 – Egon to contact Jose-Maria and to ask for an update about the activity area “Access control to video resources” by email.*

Ulrich asked if this activity area was aiming to discuss the physical security of the equipment or remote control issues. Egon explained that it was about the middleware issues.

Michal told the group about the Helix DRM system they would be installing in February 2005. He proposed to write a paper about it.

### **K: IP telephony deployments**

Saverio said that he had sent the first version of the IP telephony survey to the mailing list. People already started to reply to the survey, but he would like to get feedback about the questions firstly and then to collect answers. Saverio thought that maybe some questions about security and infrastructure (NAT, firewall) should be added. He would circulate other proposed questions and hoped to have a fruitful discussion on the mailing list. The survey should be completed before the TNC 2005 in order to be able to present the results.

Saverio also told the group that he had participated in the SWITCH organised SIP info days for SWITCH members. The event was very interesting and informative. Christian thanked Saverio for participating and promised to send a link with presentations from the SIP info days to the mailing list.

*ACTION 2.10 – Christian to send the link with presentations from the SWITCH SIP info days to the mailing list.*

Erik, Saverio and Jan discussed H.323 and SIP relations as well as other deployments. Saverio told the group about his experiments to use Asterix implementation which was able to translate audio from SIP to H.323, but not yet video. Saverio asked about the possibilities to write an extension of the IP telephony Cookbook to include these more advanced topics. Baiba would investigate this issue.

*ACTION 2.11 – Baiba to investigate possibilities to write an annex for the IP telephony Cookbook with advanced topics.*

Baiba asked the group whether anybody was planning to organise some VoIP event and would need copies of the Cookbook. TERENA was thinking of reprinting the Cookbook and it would be cheaper if more copies would be needed.

*ACTION 2.12 – Baiba to ask in the mailing list which organisations would like to participate in printing of the Cookbook.*

## **L: End-to-end measurements**

Egon said that this activity area was included because it seemed interesting but nobody had volunteered to work on it so far. The charter of the TF-NGN task force was extended and Egon proposed to contact the chairmen of TF-NGN and to ask about the possibilities to collaborate.

*ACTION 2.13 – Egon to contact the TF-NGN chairmen and to discuss possibilities to collaborate in the end-to-end measurements area.*

Christian added that it could be very difficult to communicate between the end users and network support groups. Hans said that they had experience in working with DFN to identify network problems.

## **5. Summary, action items**

Unfortunately the reserved time for the meeting was over. Egon summarised the meeting and proposed to discuss the remaining issues via the mailing list.

*ACTION 2.14 – Egon to discuss “addition of new work items vs. working groups” and “form of the next meetings i.e. experimenting with conferencing” via the mailing list.*

### **Action items from the last meeting**

1.1 Rui - to inform the TF-VVC mailing list about the details of the FCCN project.  
*Ongoing.*

1.2 Egon - to contact Roger Bolam from UKERNA and invite him to participate in the TF-VVC activities.  
*Ongoing.*

1.3 Egon - to send the links from the SURFnet’s projects to the TF-VVC mailing list.  
*Ongoing.*

1.4 Harri - to forward information about the VC resources survey to other Nordic countries.  
*Ongoing.*

1.5 Egon and Baiba – to discuss possibilities to organise together the TF-VVC face-to-face meeting and a workshop about the high-end-quality systems.  
*Ongoing.*

1.6 Baiba - to remind the activity area and work item leaders to provide information for the TF-VVC website.  
*Done.*

1.7 Egon – to ask for contact details of the other user communities.  
*Ongoing.*

### **Resulting action items**

1.1 Rui - to inform the TF-VVC mailing list about the details of the FCCN project.

- 1.2 Egon - to contact Roger Bolam from UKERNA and invite him to participate in the TF-VVC activities.
- 1.3 Egon - to send the links from the SURFnet's projects to the TF-VVC mailing list.
- 1.4 Harri - to forward information about the VC resources survey to other Nordic countries.
- 1.5 Egon and Baiba – to discuss possibilities to organise together the TF-VVC face-to-face meeting and a workshop about the high-end-quality systems.
- 1.7 Egon – to ask for contact details of the other user communities.
- 2.1 Bartolomiej - to investigate possibilities to have video conferencing equipment for the TF-VVC meeting in Poznan.
- 2.2 Ulrich, Hans - to send the abstract of the guide about video with high-quality rooms to the mailing list.
- 2.3 Michal - to send contact details of the Czech publishing company interested in the CAP.
- 2.4 Michal - to inform the group about the progress with the project to develop Google searching in the European video content.
- 2.5 Harri - to send the first draft of the Meta-data survey to the mailing list.
- 2.6 Christian - to send details about his experiments with Starback product for recording and sharing of conferences to the mailing list.
- 2.7 Ulrich - to send information about testing possibilities of H.239 and the test results.
- 2.8 Baiba – to put activity area “T” on hold.
- 2.9 Egon - to contact Jose-Maria and to ask for an update about the activity area “Access control to video resources” by email.
- 2.10 Christian - to send the link with presentations from the SWITCH SIP info days to the mailing list.
- 2.11 Baiba - to investigate possibilities to write an annex for the IP telephony Cookbook with advanced topics.
- 2.12 Baiba - to ask in the mailing list which organisations would like to participate in printing of the Cookbook.
- 2.13 Egon - to contact the TF-NGN chairmen and to discuss possibilities to collaborate in the end-to-end measurements area.
- 2.14 Egon - to discuss “addition of new work items vs. working groups” and “form of the next meetings i.e. experimenting with conferencing” via the mailing list.

## **6. Date and time of the next meeting**

The next TF-VVC meeting will be held on 19 April 2005 at 14:30 CET via H.323 video conference.

The TF-VVC face-to-face meeting will be held in Poznan, Poland on 9 June 2005 at around 14:00 after the TERENA Networking Conference.

## **7. Any other business**

Egon thanked SWITCH for hosting this meeting.