

## **TF-Mobility Poznan June 5th 2005**

### ***List of attendees***

Andrea Baldi	ESA
Harijs I. Bondars	University of Latvia
Hansruedi Born	SWITCH
Urs Eppenberger	SWITCH
Licia Florio	TERENA
Jan Furman	CESNET
Brian Gilmore	University of Edinburgh
Maja Gorecka-Wolniewicz	Nicolaus Copernicus University
Luís Guido	FCCN
Philippe Hanset	Internet2/Univ. of Tennessee
Karri Huhtanen	Tampere University of Technology
Avgust Jauk ARNES Ken Klingenstein	Internet2
Jean-Paul Le Guigner	CRU, Renater
Mikael Linden	CSC
Diego Lopez	RedIRIS
Miroslav Milinovic	Srce
Zbigniew Ołtuszyk	PCSN
Ralf Paffrath	DFN-Verein
Rok Papez	ARNES
Dubravko Penezic	Srce
Juergen Rauschenbach	DFN-Verein
David Simonsen	UNI-C
Milan Sova	CESNET
Magnus Strømndal	UNINETT
Mark Tysom	UKERNA
Stig Venaas	University of Southampton
Klaas Wierenga	SURFnet
Stefan Winter	RESTENA
Tomasz Wolniewicz	Nicolaus Copernicus University
Holger Ziemek	DFN-Verein

### **Opening**

Juergen gave an update of the JRA5 meeting that took place on June 3<sup>rd</sup> in Berlin. JRA5 has produced three deliverables, namely a glossary document, requirements for AAI and Requirements for Roaming.

JRA5 is currently working on preparing a document to detail the roaming legislations overview in the different countries involved in JRA5. The aim is to use this deliverable as a base to write a more detailed roaming policy document.

A round table followed to report about roaming updates in the different countries.

### **Check Republic**

CESNET are working on monitoring issues and they would like to perform some tests in the coming months with commercial providers, similar to what SWITCH is doing with the SWITCHMobile project.

**Croatia**

Eduroam is up and running and currently the wireless has been extended to the dormitory, adding about 1000 users. CARNet is negotiating with some commercial wireless providers to explore roaming possibilities among the two classes (commercial and academic) of users.

**Slovenia**

Eduroam is up and run. ARNES is currently trying to extend that to the schools.

**Finland**

Eduroam is run by FUNET; part of the FUNET Wireless LAN uses WEB-based authentication. FUNET/CSS has just decided to turn eduroam roaming pilot into a service. There is a policy group working to define a policy to regulate the service.

**Poland**

PSNC has just started with eduroam; currently only two institutions are connected.

**Portugal**

FCCN has set up the eduroam.pt web site. A users' policy has been defined and signed between the institutions that are connected to eduroam and FCCN.

**Germany**

DFN roaming provides all three types of authN solutions (Web-based authN, 802.1X and VPN).

**Norway**

UNINET runs eduroam which is now running and most of the universities are connected.

**The Netherlands**

SURFnet is been using eduroam since the beginning. Universities are using eduroam and the goal for the coming future is to define some standards in terms of the SSID and authN methods.

**Luxemburg**

Restena has only recently joined eduroam, but they have connected many universities are planning to extend the service to the secondary schools.

**Switzerland**

SWITCH is not part of Eduroam. They have started a trial with wireless commercial providers and they would like to extend this trial to schools. Some schools are interested in testing Eduroam.

**France**

The French minister has started two initiatives to facilitate the wireless deployment. RENATER has just started an eduroam pilot and they believe that the pilot will work properly by September 2005.

**Spain**

RedIRIS has set the eduroam.es web site and they are working to connect new universities. There are some funds from the governments for universities to promote the use of eduroam.

## **Denmark**

UNI-C has deployed eduroam widely in the country and they are now facing some concerns about users' credentials. Currently Web-based authentication is part of the authentications methods accepted by eduroam and it raises some security issues related to the way it works. Some in universities dislike the idea of users providing their credentials to unknown web sites and it was reported that are threatening to pull out if this issue is not taken into account.

## **USA: University of Tennessee and Internet2 (I2)**

Philippe reported that FWNA (fwma.ns.utk.edu) is the equivalent of eduroam. There is an experimental service where universities connect to.

I2 has got the domain eduroam.us, they see eduroam as three things:

- A name, therefore they have bought the domain
- A technology based on the use of 802.1X
- A trust fabric based on RADIUS servers

Ken said that the issue of scanning and patches computers for viruses before allowing them on the campuses network are becoming very important; therefore I2 has to figure out how to connect these to eduroam.

## **UK**

UKERNA is being running LIN since the beginning of 2005, which is federated with Eduroam. The trial has been extended to the end of January 2006.

A report about LIN is available at:

<http://www.ja.net/development/aa/lin/linfutures.pdf>

## **Report from the meeting in Arlington**

### **KW**

Some discussion about the possibility of I2 joining eduroam started during the eurocamp in March 05 when it was agreed to have a technical meeting to discuss inter federations' issues.

An Eduroam international wg was set up and the group met for the first time in Arlington during the I2 spring meeting. The conclusions of the meeting were to use eduroam as the way to provide wireless network access and other AA would plug on top of eduroam.

## **Other International updates**

Klaas and David reported that Malta is ready to connect and that Japan is also expressed interest in connecting. Other countries that in the process of joining are Bulgaria and Ireland (HEANET). Iceland has expressed interested in joining as well as Taiwan.

## **Deliverables updates**

A review of the deliverables took place during the meeting. The results were the following:

- **DNSSEC**: Klaas will provide some information about this in September (first week)
- **DIAMETER**: some result are expected in September (Surfnet+ Phil Han +FUNET)
- **XML configuration of RADIUS proxy server**: Paul Dekkers from SURFnet was originally responsible for this deliverable. It was agreed to postpone the deadline for this deliverable at a later stage.

- **Access point phone book:** Klaas circulated the database on the list. Diego proposed to integrate it with the searchy tool that he presented during the TF-EMC2 meeting.

- **Location based service:** Klaas responsible for this task.

- **iPass solution:** David said that this task should be considered concluded. The information on the wiki should be translated into a deliverable to be online on the TF-Mobility web site

**ACTION:** David to convert the material on the wiki in a TF-Mobility deliverable (June 8)

- **eduroam.org web site:** Licia said that that some updates are necessary. It was also agreed to add a section on the web to provide some operational information.

**ACTION:** Licia to chase this up.

- **XML for RADIUS server status:** Miro circulated the XML code for the XML for RADIUS server status page. Miro's idea is to use the XML code to gather some data to be able to produce country's radius servers' map (that of course could include some .com or .net or .org server). Miro said that this task once he will receive comments from the list can be considered concluded.

**ACTION:** all to comment about Miro's documents.

- **Ad hoc e2e monitoring:** Milan is working on this task. He will send his proposal to the list after discussing it with Josh.

- **RADIUS conf & accounting cookbook:** Josh Howlett is responsible for this task, but he was not at the meeting. Licia to check with him about the status.

- **All NRENs NPRS status in one page:** Josh is also responsible for this task. Licia to check with Josh about the status of this activity as well.

- **Eduroam in a box:** Ralf said that this task can be considered concluded at the end of June.

**ACTION:** Ralf to produce a deliverable based on the information on the wiki

### **Eduroam beyond authentication**

In some NRENs there are some restrictions concerning the users that access the network. The discussion went over the possibility of using Eduroam to make also some control access. Miro will make some tests about using RADIUS to carry some authZ assertions and will report about that.

Not clear what the best way forward is.

### **Minimal requirements for participating in Eduroam**

Eduroam supports to date web-based authN, which raises many security issues.

If this authentication method is used users would enter their credential in web pages whose security can't be controlled, for instance users' credentials could be stolen and used by unauthorised people. There was a discussion about excluding web-based authN.

The pros to use only 1X would be clearly more usability meaning that users would connect from their laptop without typing anything and more security being 802.1X a secure technology.

Ken proposed to have an interim solution before moving towards the most secure solution. An Eduroam client was proposed. It was agreed to have a proposal ready by September.

**ACTION:** UNI-C to report about the proposal

It was also agreed that the CASC<sup>1</sup> model is not viable on a larger scale, requiring a high overhead to make and manage holes in the firewalls

### Tomaz proposal about eduroam SSIDs

Thomaz proposal about eduroam SSIDs was approved and it will be published on the mobility web site.

ACTION: Licia to publish Tomasz proposal.

### Next Meeting

Next Meeting will be held in Barcelona, in conjunction with TF-EMC2.

### Summary of Actions

Action	Responsibility	Deadline
To provide information about DNSSec in	Klaas	September (first week)
To work with Philippe and FUNET to provide a summary about DIAMETER in	Klaas	September (first week)
To integrate the location based service database with the searchy tool.	Diego	September
To convert the material on the wiki about iPass in a TF- Mobility deliverable	David	July 15
To send a proposal about e2e monitoring	Milan	July 15
To gather operational info and to put them online on the eduroam web site –September	Licia	September 1
To contact Josh to check the status of his deliverable	Licia	Email sent to Josh waiting for an answer
To comment Miro XML document to finalise the work	All	July 8
To produce a deliverable based on the information on the wiki about eduroam in a box July 8	Ralf	July 8
To publish Tomasz recommendation about eduroam SSIDs	Licia	July 8
UNI-C to report about the proposal	David	September 1

<sup>1</sup> CASC method was proposed in order to use the VPN solution. For more information about this method have a look at <http://www.terena.nl/tech/task-forces/tf-mobility/Deliverables/delIE/DeliEv4.4-np.pdf>