



COST Action 272

“Packet-Oriented Service Delivery via Satellite”

**Minutes of the Third Management Committee Meeting
Thessaloniki, 21-22 of June 2002**

COST272 secretariat

1. Opening of the meeting

Due to a strike initiated by the air traffic controllers, Professor Gérard Maral, Chairman of the Action could not attend the meeting. Mr Francisco Javier González-Castaño (University of Vigo) and Robert Rumeau (CNES) were also faced with the impossibility to reach the meeting place.

The meeting is chaired by Dr Erina Ferro vice-chairperson of the Action. The Management Committee is pleased to welcome two guest participants: Mrs Clementina Tocci from Alenia Spazio and Mr Eyal Trachtman from Inmarsat.

2. Adoption of the agenda

All participants agree with the contents of the agenda :

1. Opening of the 3rd Management Committee Meeting
2. Adoption of the Agenda
3. Adoption of the previous meeting minutes
4. Technical presentations
5. Discussion regarding the structure of the activities within the Action (second day)

3. Adoption of the previous meeting minutes

The minutes of the previous meeting (March, Madrid) are approved

4. Technical presentations

Marco Annoni (TILAB) and Haitham Cruickshank (University of Surrey) “*Internetworking between Multi-Layer IPSEC and secure multicast services over GEO satellites*”

Markus Werner (DLR) “*Reliable Multicast Based on DVB-RCS*”

Clementina Tocci (Alenia Spazio) “*ICEBERGS*”

Maryan Vázquez-Castro (University Carlos III) “*CDMA satellite capacity dynamics with imperfect power control for simultaneous QoS classes*”

Merkourios Karaliopoulos (University of Surrey) “*Multicast/Broadcast-oriented architecture for S-UMTS: the SATIN approach*”

Francisco Javier González-Castaño (University of Vigo) “*Satellite to WLAN video transcoding*” (not presented but available from the website)

Markus Werner (DLR) “*Stratospheric optical inter-platform links (OIPLs) for High Altitude Platforms*”

Ales Svigelj (Institut Jozef Stefan) “*Traffic class dependent adaptive routing in isl networks*”

Merkourios Karaliopoulos (University of Surrey) “*Simulating GEO broadband satellite networks with network simulator (ns)*”

Dr Erina Ferro closes this first day of meeting with the following recommendation :

Working Group Leaders should collect abstracts of presentations in their WG and provide a quick introduction to the presentations as well as their relations among each others.

5. Discussion regarding the structure of the activities within the Action

Two topics were addressed :

- a) What is expected from the demonstrator (i.e. the COST at no cost setup) ?
- b) What sort of the short term scientific missions are planned ?

COST at no cost demonstrator

As a reminder, the demonstrator currently consists of videoconferencing software (Vic and Rat) and the MCU, a connection software devised & developed by CNES providing TCP tunneling for multicast traffic.

Two phases are scheduled :

- a) A terrestrial phase where no satellite link is used in the transport of the videoconferencing stream. This implies the sole investment of a microphone and optionally a webcam. All participants agreed on joining that phase of the experiment (before the next meeting, i.e. next December).
- b) A satellite phase where the videoconferencing stream is broadcast using one of the satellite facilities available. In order to receive the stream, a DVB decoder (ex: the WinDVB card from Hauppauge) must be bought. Participants will join this phase of the experiment depending on whether buying this card is actually worth it. Additionally, the idea was expressed that once a month, participants from COST272 might organise a presentation using the demonstrator. This presentation would be open to non-COST272 participants.

Finally, the discussion showed that the demonstrator main usage is – as of time being – to enable communication among the participants. Some participants would also take the opportunity of to make measurements as a side usage.

Short term scientific missions

Three short term scientific missions were identified for the first quarter of year 2 :

- DLR and IJS on MPLS and traffic engineering.
- CNIT and TeSA on satellite link emulation.
- IJS and TeSA on the integration of signaling policies within ISL routing.

It is expected that an average of 12 STSMs a year are organised. The EC should be contacted in order to determine whether it is possible to get extra funding for these missions.

ANNEX I

List of Attendants

Aleš Svigelj	Jozef Stefan Institute
Ange Nordbotten	Telenor
Mihael Mohorcic	Jozef Stefan Institute
Merkourios Karalioupos	University of Surrey
Erina Ferro	CNUCE/CNR
Evangelos Papapetrou	Aristotle University
Clementina Tocci	Alenia Spazio
Fun Hu	University of Bradford
Franco Davoli	DIST-University of Genoa/CNIT
Eyal Trachtman	Inmarsat
Haitham Cruickshank	University of Surrey
Joël Cannau	Brussels University
Laurent Franck	ENST/TéSA
Luca Simone Ronga	University of Firenze/CNIT
Marco Annoni	Telecom Italia Lab
Markus Werner	DLR
Maryan Vázquez-Castro	Universidad Carlos III de Madrid