



**COST Action 272**

**“Packet-Oriented Service Delivery via Satellite”**

**Minutes of the Second Management Committee Meeting  
Madrid, 28<sup>th</sup> of February – 1<sup>st</sup> of March 2002**

*COST272 secretariat*

## 1. Opening of the meeting

The Chairman, Professor Gérard Maral, opens the meeting. The list of attendants is shown in Annex I.

## 2. Adoption of the agenda

All participants agree on the contents of the agenda :

1. Opening of the 2<sup>nd</sup> Management Committee Meeting
2. Adoption of the Agenda
3. Adoption of the previous meeting minutes
4. Administrative discussions
5. Technical presentations

## 3. Adoption of the previous meeting minutes

The minutes of the previous meeting (October, Toulouse) are approved

## 4. Administrative discussions

### ***Budget for 2002-2003***

Following the TC meeting in June, the budget of our action has been decreased down to 50 Keuro (from 70 Keuro).

<i>Item</i>	<i>Before</i>	<i>Now</i>	<i>Comments</i>
Meetings	43 200 €	26 000 €	2 x 12 x 1083 €
Workshop	4 000 €	3 000 €	
Short Term Scientific Mission	9 000 €	9 000 €	
Secretariat	14 000 €	12 000 €	
Total	70 200 €	50 000 €	

The next meeting (June in Thessaloniki) has to be funded by next year (2002-2003) budget. Unfortunately, it falls in this year budget (ending in July 2002). As a result, the next meeting will be financed by borrowing money from the grant part dedicated to the secretariat for 2001-2002.

The Chairman asks to the participants to think about the following two solutions :

- Organisation of virtual meetings (i.e. teleconferencing)
- Use of the STSM and mid-term workshop budgets to fund a 3<sup>rd</sup> MCM in 2002-2003

It is agreed that, provided virtual meetings are organised, they will be shorter than traditional MCMs. Several options are discussed regarding teleconferencing but it is not yet clear whether we should use Mbone tools (Vic, Rat, SDR, ...) or others. It is also remarked that most of the difficulties come from the interaction with network administrators who are not eager to modify the network configuration (possibly because of potential security breaches).

Haitham Cruickshank (**with** input from the other participants) will investigate within a 6 month time frame the different options that are available (Mbone, satellite based, etc.) based on the existing tools as well as available facilities among the participants. The different experiments that could take place have also to be investigated. The objective is twofold : (a) to have at hand a teleconferencing facility and (b) to use this facility (or other services) in order to set up an experiment serving as a test bed for i.e. quality of service measurements.

Markus Werner notes that – provided we end up with a workable teleconferencing facility – we should advertise it to the other European Actions and possibly asking funding from the EC. He also points out that attention should be paid not to leave aside more theoretical research.

### ***Application of Slovakia to join COST272***

Slovakia is warmly welcomed by all participants as a member of COST272.

## **5. Technical presentations**

Rafael Rey Gomez - *Multimedia Applications of IBIS and the ALCATEL 9343*

Franco Davoli & Robert Rumeau - *CNES-CNIT interoperability experiment: Italian and French side of the tunnel' point of view*

The Chairman closes the first meeting day while raising the following questions :

- How to use the experience of the CNES-CNIT experiment (cf the presentation about Franco Davoli & Robert Rumeau) ?
- How this experiment could contribute to the set up of a proposal ?
- How could we evaluate the service quality ?
- How could we report about these evaluations ?

The following keypoints are also highlighted

- The technology could be exported to other Actions.
- Providing comparative (e.g. satellite vs terrestrial) results implies setting up a user group, this task might be outside the scope of our action.
- Operators could participate to these experiments.
- How to close the loop with more fundamental research ?

## **6. Second day - Technical presentations (cont'd)**

Erina Ferro *Proposal for an EC project*

This contribution is transferred to the Working Document section and will be updated as time goes by.

Luca Simone Ronga *Two-state CDMA Receiver for Shared Uplink Satellite Channel.*

Luca Simone Ronga *Software Radio Satellite Modem Design: ASI2001/CNIT Project overview.*

Fernando Perez Fontan – *Approximate urban area call drop-out probability estimation in mobile multisatellite systems.*

Nuria Riera Diaz - *Wireless Access over Satellite to Mobile Networks in a Multistandard Environment.*

Jose Luis Abia Elvira - *Onboard regenerative enhanced system: Hispasat's projection.*  
This presentation has been cancelled.

Evangelos Papapetrou – *Handovers strategies for LEO/MEO satellite systems.*

Ales Svigelj - *Discrete Link-Cost Function for Adaptive Routing in Packet-Oriented ISL Networks.*

Laurent Franck - *Signaling for ISL routing.*

Haitham Cruickshank – *Securing multicast services over GEO satellites.*

Antonio Sanchez Esguevillas - *IP-real-time multimedia communications over satellite (Iceberg Project).*

Tommaso Pecorella - *Real-Time QoS DiffServ Gateway Implementation for Satellite IP Networks.*

A discussion follows about the feasibility of setting up a compact Linux distribution to emulate a satellite link between two gateways. Laurent Franck takes as an action to propose an STSM with that objective.

Professor Gérard Maral closes the meeting.

ACTION LIST (Note : actions are listed in document actions-WD-01-003-P)

Action number	Action contents	In charge	Initiated on	Status
Action 7	To propose different scenarios for (a) setting up a teleconferencing facility (b) serving as test bed for traffic experiments	Haitham CRUICKSHANK	March 2002	OPEN
Action 8	Write down a proposal for a STSM with CNIT. Objective: setting up a self-contained CDROM for satellite link emulation	Laurent FRANCK	March 2002	OPEN

## ANNEX I

### List of Attendants

Ales Svigelj	Jozef Stefan Institute
Ange Nordbotten	Telenor
Antonio Sanchez Esguevillas	Telefonica I+D
Cecilio Cabalero	INTA
Erina Ferro	CNUCE/CNR
Evangelos Papapetrou	Aristotle University
Fernando Perez Fontan	Universidad de Vigo
Francisco Javier González-Castaño	Universidad de Vigo
Franco Davoli	DIST-University of Genoa/CNIT
Gérard Maral	ENST/TéSA
Haitham Cruickshank	University of Surrey
Joaquin Granado Romero	Universidad de Sevilla
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
Niovi Pavlidou	Aristotle University
Nuria Riera Diaz	DLR
Rafael Rey Gomez	Alcatel Espacio
Ray Sheriff	University of Bradford
Robert Rumeau	CNES
Satvir Singh	Telenor
Tommaso Pecorella	University of Firenze/CNIT
Vicente Baena Lecuyer	Universidad de Sevilla