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Agenda item: 8

Document for:

Decision	
Discussion	X
Information	

1 Introduction

The attached correspondence from the Digital Video Broadcasting Project proposes several actions which could be taken to provide a better co-operation between the two organizations.

The Partners should discuss the attached proposals and prepare a suitable response.



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To: Members of the SB
CC: Members of the CM and Members of the TM

DVB and 3rd Generation Mobile Telecommunications Systems

Dear Colleagues,

On 13 January 23 members of the CM and the TM of the DVB Project met in order to discuss the potential future relationship between DVB and 3rd Generation Mobile Telecommunications Systems. Please find attached my report about this meeting. The report includes several proposals which the Steering Board is asked to consider at its meeting in February.

With kind regards,
Ulrich Reimers



DVB and 3rd Generation Mobile Telecommunications Systems

Proposal for decision by the Steering Board of the DVB Project.

On 13 January 2000 a group of 23 representatives of DVB members met in Frankfurt in order to create a proposal to the Steering Board of the DVB Project for activities with respect to 3rd generation mobile telecommunications systems known as "3G", "International Mobile Telecommunications - IMT", "Universal Mobile Telecommunications Systems - UMTS". The participants of the meeting were those members of the Commercial Module (CM) and/or of the Technical Module (TM) who had indicated an interest in the matter. Due to the fact that the chairman of the CM was unable to make it to Frankfurt on 13 January I chaired the meeting.

We started with three introductory presentations given by myself - overview of 3G systems -, Dr. Ralf Schäfer/HHI - collaborative projects aiming at the integration of DAB, DVB and UMTS - and Martin Ellen/Crown Castle International - proposal of activities of the DVB Project with respect to IMT systems.

The following is a very short listing of some important features of 3G systems:

- 3G services will be started in Europe in the year 2002 or 2003.
- 3G systems will be able to deliver 144 kbit/s to the vehicular environment, 384 kbit/s to the pedestrian environment and 2.048 Mbit/s to the indoor office environment.
- They will support packet and circuit switched services.
- One way of looking at 3G systems is as a mobile Internet extension.
- There will probably be three different systems - one for Europe and Japan and other parts of the world, two for the U.S.
- Although spectrum - in the neighbourhood of 2 GHz - has been allocated to 3G systems, their proponents are requesting large additional quantities of spectrum - preferably below 1 GHz. This creates a direct competition with the spectrum requirements for DVB-T.
- 3G systems and DVB (-T) may become two elements of an integrated broadcast and communications system. The 3G component of that system may be used for the communication aimed at individual users whereas DVB (-T) becomes the point-to-multipoint or even the uni-cast data delivery extension.

After some discussion the participants of the meeting unanimously agreed to forward the following proposal of actions for the Steering Board:

1. Actions to be taken by the SB

- 1.1 Establish a liaison between DVB and the UMTS Forum and between DVB and the 3G Partnership Project (3G-PP).
- 1.2 Offer co-operation activities as described under 2 and 3.

2. Actions to be taken by the CM

- 2.1 Start the definition of integrated service models in cooperation with representatives of the liaison partners. Exchange information about service plans and implementation schedules.

3. Actions to be taken by the TM

- 3.1 Define a new return-channel specification (DVB-RC3) in which the use of 3G systems as a DVB interaction channel is defined.
- 3.2 Offer to the liaison partners a joint activity that aims at the use of the MHP - or a "light" version of it - in 3G networks and terminals.
- 3.3 Co-operate with the liaison partners in the definition of a "Common Control Channel" for the signalling to the terminal device of available services (DVB, 3G.....).
- 3.4 Co-operate with the liaison partners in the definition of an end-to-end interoperability specification for an integrated system.
- 3.5 Look at 3G systems as a medium for transmitting low-quality video signals in a Digital News Gathering mode.
- 3.6 Establish a liaison between the special rapporteur on spectrum planning and the Spectrum Aspects Group of the UMTS Forum.

I invite the Steering Board to consider these proposals during the meeting in February 2000 and to decide accordingly.

Ulrich Reimers