3GPP/PCG Meeting#2
Sophia Antipolis,
6-7 July 1999

3GPP/PCG#2(99)40
1 July 1999
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Source: **TSG-N Vice chairman (ITU-T SG11 Q.23 rapporteur)**[1]

Title: **SG11 chairman's letter to 3GPPs**

Agenda item: **:11.1**

Document for:

Decision	
Discussion	**X**
Information	

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1. Introduction

This document introduces the current situation of IMT-2000 standardization in ITU-T SG11.

2. IMT-2000 standardization in ITU-T SG11

According to the last GSC-4 Adhoc meeting (May 1998, Geneva), ITU-T SG11 has been proceeding the standardization for (1) UIM-MT, (2) MT-RAN, and (3) CN-CN interfaces for inter IMT-2000 family members.

3. Request from ITU-T SG11

(1) CN-CN interface (Annex 1)

ITU-T SG 11 is planning to stabilize NNI signaling requirement by the end of 1999 and protocol by the end of 2000.

ITU-T SG11 is requesting cooperation and information exchange with 3GPPs.

(2) MT-RAN interface (Annex 2)

ITU-T SG11 supports that ITU-R TG8/1 will make a reference in ITU-R recommendation (IMT.RSPC) to specifications prepared by 3GPPs.

ITU-T SG11 is requesting submission of a contribution from 3GPP in September rapporteur's meeting which includes radio technology independent layers 2 &3 technical substance.

3. Official announcement

ITU-T SG11 chairman intends to officially announce SG11 position on IMT-2000 standardization in the next GSC meeting during 24-26 August, 1999. It is expected that 3GPP representatives will discuss the SG11 position there.

4. Proposal

3GPP PCG is requested to clarify its position to ITU-T SG11 position on IMT-2000 standardization.

DATE: 2 July 1999

SOURCE: ITU-T STUDY GROUP 11 CHAIR (MR. S. KANO) on behalf of
Q.24/11 Rapporteur's Meeting, Cheju, Korea, 14-25 June 1999 and
Joint Question Group 5 (JQG5: IMT-2000 Call and Bearer Control)

TITLE: STATUS OF ITU-T RECOMMENDATIONS ON THE COMMON NNI
BETWEEN IMT-2000 FAMILY MEMBER SYSTEMS

TO: 3GPP and 3GPP2

APPROVAL: Agreed to at the Q.24/11 Rapporteur's Meeting, Cheju, Korea, 14-25
June 1999, incorporating agreements of JQG 5, March 1999
Meeting

FOR: Information

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1. Introduction

On behalf of ITU-T SG 11, I acknowledge with thanks the receipt of:

i) 3GPP PCG: your reply (dated 5 March 1999) to our liaison statement dated 28
February 1999; and

ii) 3GPP2: your liaison letter of May 26, 1999, in response to our liaison letter dated
March 2, 1999.

In order to keep the momentum of our cooperation rolling to progress the

specification work on 3G systems, I would like to send this communication to you, on behalf of ITU-T Q.24/11 Rapporteur's Meeting held in Cheju, Korea, 14-25 June 1999 and also Joint Question Group 5 (IMT-2000 Call and Bearer Control).

2. Overview of our activities

ITU-T Study Group 11 is following the progress in 3GPP and 3GPP2 towards the development of the 3rd Generation Mobile System specifications. As indicated at the last GSC-4 Adhoc meeting (May 1998, Geneva) within the IMT-2000 Family Systems concepts, ITU-T SG 11 is currently developing IMT-2000 Recommendations on the following interfaces between Family Member systems:

- **UIM-MT,**

The interface between the User Identity Module and the Mobile Terminal

- **MT-RAN,** and

The radio interface between the Mobile Terminal and the Radio Access Network, shared with ITU-R

- **CN–CN.**

The network-network interface between different IMT-2000 family members

ITU-T SG11 is considering the use of references to specifications from 3GPPs and SDOs, if and where appropriate.
ITU-T SG 11 is encouraged to note that both 3GPP and 3GPP2 refer to the ITU-T Q.AAL2 Recommendations for their Bearer Control specification.

3. Status of ITU-T Recommendations on the common NNI between IMT-2000 family member systems

ITU-T SG11 is progressing its recommendations on the common NNI between core networks of different Family Member systems. It is the intention of ITU-T SG11 to have **stable NNI signalling requirements by the end of 1999** and **NNI protocol Recommendations by the end of 2000**.

The IMT-2000 common NNI will be a protocol suite and currently the following component protocols are under study:

- ISDN/PSTN domain

  - **Call Control;**

  Based on the N-ISUP Call Control Capabilities.

  - **Bearer Control;**

  Based on the B-ISUP for ATM AAL1 connections, Q.AAL2 for ATM AAL2 connections, N-ISUP for STM connections

  Packet Data Domain

  - **Bearer Control;**

Based on ATM AAL5 bearers

- **Network Layer;**

Based on Internet protocol (IP)

- **Service Control**

ITU-T INAP + mobile extensions

- **Mobility Management Control**

New protocol to be developed by ITU-T SG11

ITU-T SG11 looks forward to ongoing co-operation and information exchange between ITU-T SG11 and 3GPPs.

Our next meetings are scheduled for 14-16 July 1999 in Leipzig, Germany (JQG 5), 8-17 September 1999 in Ottawa (Canada) (Q.24/11) and 22 November – 3 December 1999 in Geneva (Switzerland) (SG 11).

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DATE: 2 July 1999

SOURCE: ITU-T STUDY GROUP 11 CHAIR (MR. S. KANO) on behalf of
                Joint Rapporteurs' Meetings of ITU-T SG 11, Cheju, Korea, 14-25
                June 1999

TITLE: REQUEST FOR INPUTS TO OUR SEPTEMBER 1999 MEETINGS

TO: 3GPP, 3GPP2 and other appropriate Standards Organizations for Action

                TU-R TG 8/1 for Information

BASIS: Liaison Statement from ITU-R TG 8/1 and Joint Experts Meeting of ITU-R TG 8/1 and
ITU-T SG11, Beijing, June 1999

FOR: Action (3GPP, 3GPP2 and other appropriate Standards Organizations)

                Information (ITU-R TG 8/1)

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1. Request for inputs to our September 1999 Rapporteurs' meetings

Please submit contributions to upcoming SG 11's Joint Rapporteurs' Meetings and Joint
Question Groups on IMT-2000 network aspects in Ottawa in September 1999, before 1st
September 1999, which will contain technical substance (even if in a preliminary stage) of
specifications which will be referenced by ITU-R Recommendation IMT.RSPC, in particular
those portions which contain layers 2 and 3 radio technology independent specificaitons.

We will further appreciate it if you could send one or two experts to present the contributions
and answer any questions that may arise.

2. Reason for the above request

1)   ITU-T SG 11 would like to cooperate with 3GPPs and other appropriate Standards
Organizations to comply with the request of the Operators Harmonization Group to provide
specifications for Phase 1 by the year end 1999.

2)   ITU-R TG 8/1 has the intention to make a reference in its RSPC Recommendation to
specifications prepared by 3GPPs and other appropriate Standards Organizations. Such
specifications may include both radio technology dependent portions (which falls within the
competence of ITU-R TG 8/1) and independent portions (which falls within the competence of
ITU-T SG 11 and other ITU-T SGs). It is desirable but not absolutely necessary that
specifications of 3GPPs and other appropriate Standards Organizations are structured to
clearly separate the two.

3) In this case, as a responsible body for signalling requirements and protocol, and also as Lead Study Group within ITU-T on network aspects of IMT-2000, ITU-T SG 11 would like to have a prior knowledge on and an opportunity to assess the contents of the specifications, some of which may fall within the competence of ITU-T, so that in our November-December 1999 SG 11 Plenary Meeting, we may be able to come to a conclusion as to the approval of the contents of ITU-R Recommendation IMT.RSPC that will take the form of references to 3GPPs' specifications, and may include portions which fall within our competence.