3GPP/PCG#4 Meeting
Beijing,
17 July 2000

3GPP/PCG#4(00)20
16 July 2000
page 1 of 5

Source: **TSG CN Chairman**

Title: **Co-ordination of OID Handling**

Agenda item: **4.2**

Document for:

Decision	
Discussion	**X**
Information	

3GPP TSG_CN   **Tdoc NP-00233**

Plenary Meeting #8, Düsseldorf, Germany

21ˢᵗ – 23ʳᵈ June 2000.

Agenda item: 4.2

Document for: ACTION

T-doc N4-000387

3GPP TSG-CN4

Rotenburg, Germany

22-26 May 2000

Title: **LS on request for co-ordination about OID handling**

From: **N4**

To: **TSG CN**

Contact Person:

    Name: Toshiyuki Tamura (+81-471-85-6954), NEC

    E-mail Address: tamurato@e1sf.ncos.nec.co.jp

N4 would like to inform the CN-Plenary of their decision about the way to handle OID (Organisation Identifier) in 3GPP.

OID is a parameter used by ITU-T Q.765.5 Application Transport Mechanism to specify the organisation in BICC protocol. BICC is a call control technique to be used in the external network in order to establish TrFO connection. Please refer to the annex for more detail about the problem that N4 has encountered and solution that N4 has found related to the OID handling.

It is necessary to seek the allocation of an OID by ITU-T in order to provide a unique definition of codec identities; if an OID is not allocated by ITU-T, there is a risk that the OID used by 3GPP would be re-used by another organisation.

According to the N4 decision, one OID value would be assigned to ETSI and this OID needs to be used in all relevant SDOs in 3GPP environment. It means, as the result, this solution requires agreements from all relevant SDOs to use one single OID value (ETSI) for 3GPP environment.

N4 kindly request CN to make a co-ordination to ask all relevant SDOs to have agreements about the proposed solution for OID handling.

In addition, N4 also would like to inform that the ITU-T would make a determination for BICC CS2 in November 2000 and the claim to have one OID value for ETSI has to be done before that time. Therefore, N4 would like to have responses from all relevant SDOs by the next CN Plenary meeting.

- ANNEX -

Background

The TS 26.103 Speech Codec List for GSM and UMTS has been approved in the last year as v.3.0.0. This TS defines the coding for Speech Codec List that is dedicatedly used for Bearer Independent Call Control protocol (BICC).

On the other hands, the ITU-T Q.765.5 Application Transport Mechanism - Bearer Independent Call Control has been determined in the ITU-T SG11. This document defines Organisation Identifier (OID) sub-field as follows.

Organisation Identifier subfield

The following codes are used for the Organisation Identifier subfield:

00000000		no indication
00000001		ITU-T
00000010 to members 00100001	}	reserved for use by IMT2000 family
00100010 to 11011111	}	spare
11100000 to 11111111	}	reserved for national use

In order to assign the specific OID value for 3GPP, 3GPP had claimed to ITU-T SG11 to have one value for 3GPP in the last year. However, it was rejected by ITU-T because the OID should be assigned on Regional standard organisation (SDO) basis not for 3GPP as the partnership project.

The following is the quotation from TS 26.103. The "Single Codec" for the AMR Codec types is defined as follows.

The "Single Codec" information element consists of 5 to 8 octets in case of the AMR Codec Types (table 5.4):

Table 5.4: Coding of "Single Codec" for the Adaptive Multi-Rate Codec Types

Oct	Parameter	MSB	7	6	5	4	3	2	1
1 m	Single Codec	Single Codec (see ITU-T Q.765.5)							
2 m	Length Indication	6							
3 m	Compat. Info	Compatibility Information							
4 m	OID	3GPP ("*non-ITU-T organisation according to reference [5]*", See ITU-T Q.765.5)							
5 m	CoID	FR_AMR_CoID or HR_AMR_CoID or UMTS_AMR_CoID							
6 o	ACS	12.2	10.2	7.95	7.40	6.70	5.90	5.15	4.75
7 o	SCS	12.2	10.2	7.95	7.40	6.70	5.90	5.15	4.75
8 o	ICM, MACS	(spare)	(spare)	ICM			MACS		

with "m" = mandatory and "o" = optional

N4 Conclusion

One OID for ETSI on behalf of 3GPP

- Assign one OID for ETSI in ITU-T Q.765.5 and ITU-T Q765.5 reefers to the TS 26.103 that owned by ETSI (Not owned by 3GPP)

- The other 3GPP members than ETSI refer to or copy ETSI TS.

[Example]