TSG-RAN Working Group 3 meeting #1
Bonn 2nd - 5th February 1999

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Agenda Item: 8.3

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Title: Signalling Bearer for AAL Type 2 Signalling Protocol on Iu

Document for:

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1. INTRODUCTION

This document proposes MTP3B/SAAL-NNI as signalling bearers for the AAL type 2 signalling protocol over Iu.

2. SIGNALLING BEARER FOR AAL TYPE2 SIGNALLING PROTOCOL ON IU

The motivations for selecting MTP3B/SAAL-NNI as the standard signalling bearer for the AAL Type 2 Signalling Protocol to be used on Iu are:

1. MTP3B/SAAL-NNI has been chosen as the signalling bearer for Q.aal2 over Iur and has been proposed as signalling bearer for RANAP. It can thus be re-used as signalling bearer in the Transport Network Control Plane on Iu.
2. MTP3B/SAAL-NNI has been selected by ITU as on of the signalling bearers to be supported for Q.aal2 in CS1 (target date March 1999); the other is SAAL-UNI.
3. Robustness; MTP3B/SAAL-NNI provides multiple link and overload support which would need to be supported by the AP if using SAAL-UNI.

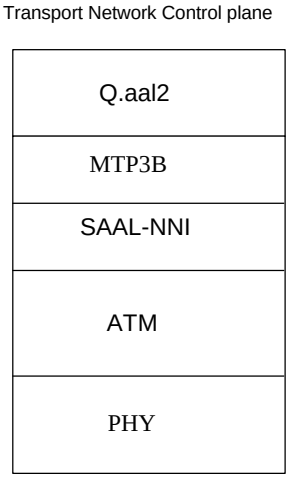

Figure 1: Signalling bearer for Q.aal2 on Iu.

4. CONCLUSIONS

The following is proposed:

1. MTP3B/SAAL-NNI is selected as the standard signalling bearer for the AAL Type 2 Signalling protocol (Q.aal2) on Iu.
2. The protocol stack in figure 1 is included in chapter 10 ‘Iu Interface Protocol Layer Specification for Transport Network Control Plane’ of the Description of Iu interface [1].

3. A new chapter 13.2.4 ‘Transport Network Control Plane Signalling Bearer for Iu Interface’ is added in the UTRAN Architecture Description [2] which states that MTP3B/SAAL-NNI is used as signalling bearer for the Transport Network Control Plane signalling protocol on Iu.

4. REFERENCES

[1] UMTS ZZ.11 - Description of Iu interface, v.0.1.0.

[2] UMTS ZZ.01 - UTRAN Architecture Description, v.0.1.0.