

Source: Ericsson/ TSG_N WG "1"
Title: R99 status for Out of Band Transcoder Control (Transport of Codec Information)
Agenda item: 6.8
Document for: APPROVAL

Release 1999 Submission form

Work Area / Item:		Out of Band Transcoder Control (Transport of Codec Information)			
Affects:	UE/MS: X	CN: X	UTRAN: X	Compatibility Issues:	Yes: X No:
Expected Completion Date:		CN#10			
Services impacted:		Out of Band Transcoder Control (transport of codec information during codec negotiation between MS and MSC)			
Specifications affected:		24.008, 23.009, 23.108 (29.002)			
Tasks within work which are not complete:		<p>The agreed approach for R99 during N1#11, to state that only UMTS AMR codec should be used for UMTS speech calls met some concerns in R2. R2 saw a problem with respect to backward compatibility, If UTRAN R99 was unable to support codec negotiation. As a result, this affects UEs and MSCs of future releases that will support the codec negotiation.</p> <p>In order to progress the work, a joint ad-hoc meeting was arranged between N1, R2 and R3 on 00-05-25. As the outcome, in order to ensure support for negotiation of more than one codec type in R00, R2 and R3 agreed to prepare a mechanism for R99, based on an explicit binding ID for the RAB (NAS Synchronization Indicator), in RANAP and RRC (N1-000808, N1-000795).</p> <p>On that matter of handling the Codec Types in UE for different Access Technologies, S4 was asked for its opinion (N1-000787). In reply (S4-000327R), S4 has expressed that it is not possible to assume that the support of a speech codec in a UE for one Radio Access Technology ensures its support for another Radio Access Technology.</p>			
Consequences if not included in Release 1999:		<p><u>TSGN1:</u> At call establishment for UMTS, the MSC is in control of transcoders as opposed to the BSS in GSM. The selected codec type must be understood by the UE. In GSM this task is performed by the BTS, but in UMTS there is no defined mechanism in the RANAP protocol at this stage to perform this task. Secondly the concept of speech coding and codec negotiation is defined as call control.</p>			

Accepted by TSG# 8 for late inclusion in Release 1999:	A mechanism for R99, based on an explicit binding ID (NAS Synchronization Indicator) for the RAB, in RANAP and RRC as agreed in the joint N1, R2, R3 ad-hoc (See report N1-000808). The work will continue in N1, R2, R3, N4
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Abstract of document:

<Short introduction to the content of the document and it's interrelation with other documents>

Contentious Issues:

<List of known contentious issues which may impact the stability/acceptability of the document or may impact the content of other documents>