TSG RAN WG 2#6 **TSGR2#6(99)901**
Sophia-Antipolis, France
August 16-20, 1999

Agenda item: **14.4**
Source: **Golden Bridge Technology**
Title: **CPCH Parameters in System Information Message in TS25.331, RRC Protocol**

Document for: **Discussion and approval**

INTRODUCTION

At RAN2#5 GBT introduced a contribution [1] which added CPCH parameters to the RRC protocol messages. This contribution was not discussed but was assigned to an email discussion group for discussion [RRC-P]. During the email exchange most items were agreed and one item concerning CPCH parameters in the System Information message was only partly agreed. At RAN#6 the report on the RRC parameter email discussion, contribution R2-99721 [2], was presented and discussed. In the discussion, agreement was reached on the CPCH parameters in the System Information. This contribution documents the discussion and agreement on this item.

DISCUSSION

The [RRC-P] Rapporteur (DoCoMo) presented contribution R2-99721 which documented the results of the email discussion on RRC parameters. GBT pointed out that the listing of the CPCH parameters in the System information messages as optional (O) parameters was not yet agreed. GBT stated in the email discussion that CPCH parameters sent via the BCH is the preferred method to distribute these parameters and therefore these parameters should be mandatory (M). DoCoMo indicated that these parameters should not be mandatory in networks which do not support CPCH services. GBT agreed to modify the CPCH parameters in the System Information message to be conditional, included only if the network supports CPCH services.

PROPOSAL

The following changes should be incorporated into the latest version of TS25.331, RRC Protocol Specification. The baseline text listed here for these changes is from R2-99721 [2] which is the report of the RRC-P email discussion.

10.1.6 System Information Messages

10.1.6.1 SYSTEM INFORMATION

<Functional description of this message to be included here>
RLC-SAP: t.b.d.
Logical channel: BCCH or DCCH or CCCH
Direction: UTRAN → UE

NOTE: The division of the system information into messages is FFS.

Information element category	**Information elements**	**REFERENCE**	**TYPE**	**NOTE**	
	Message Type		M		
CN information elements	PLMN Identity		M		
	CN domain identity		M		For each Core Network Domain. Information must be included for at least one core network domain type.
	NAS system information		M		
UTRAN mobility information elements	URA identity		M		For each URA
	Information for periodic cell and URA update		M		*Note: not for each URA any more*
	Cell identity		M	The necessity and usage of cell identity is FFS.	
	Cell selection and re-selection info		M		
UE information elements	Uplink access control info		M		
	Transmission probability		O	For all UE having DCH controlled by DRAC procedure	For each class of UE Note2
	Maximum bit rate		O		
	CPCH parameters		~~O~~C if CPCH is supported by network	For all UE's assigned any CPCH set in this cell	
PhyCH information elements	Frequency info		O		
	Primary CCPCH info.		O		
				For each RACH	
	PRACH info		M		
	PRACH power control info		M		
				For each FACH on secondary CCPCH	
	Secondary CCPCH info		M		

			For each PCH on secondary CCPCH
Secondary CCPCH info		M	
AICH info		M	
PICH info		M	(FFS)
CPCH SET Info		~~O~~C if CPCH is supported by network	UL/DL radio resource for CPCH control (Note3,4)
CPCH set persistency values		~~O~~C if CPCH is supported by network	For each CPCH SET (Note5)

Note 1: The usage of Measurement identity number in this message is FFS.
Note 2: The split of parameters into several System Information message X is FFS.
Note 3: How to map UL and DL radio resource in the message is FFS.
Note 4: Possible to set several CPCH SET info.(FFS)
Note 5: "CPCH persistency value" and "CPCH SET Info" may be mapped to different SYSTEM INFORMATION blocks.

REFERENCES

[1] TSGR2#5(99)596, "CPCH parameter additions to 25.331, RRC Protocol Specification"
[2] TSGR2#6(99)721, Report of email discussion of RRC parameters [RRC-P]