## 3GPP TSG RAN WG1 Meeting #9 Dresden, Germany, Nov 30 – Dec 3, 1999

# Document R1-99i38

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

CHANGE REQUEST  Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.								
		25.212	CR	017	C	Current Version	on: 3.0.0	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑ ↑ CR number as allocated by MCC support team								
For submission	meeting # here ↑	for information				strategic (for SMG use only)		
Form: CR cover sheet, version 2 for 3GPP and SMG  The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc  Proposed change affects: (at least one should be marked with an X)  The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc  WE X UTRAN / Radio X Core Network								
Source:	Nokia					Date:	24.11.99	
Subject:	20 ms RAC	CH message lengt	h					
Work item:								
(only one category   shall be marked	B Addition of	modification of fe		rlier relea	se X	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
Reason for change:	Addition of 20 ms RACH message length was agreed in RAN WG1#8 (New York 1215.10). See documents R1-99f58 and R1-99h72.							
Clauses affected: 4.2.13.2								
Other specs affected:	Other 3G co Other GSM of specifical MS test specifical BSS test specifical	tions cifications ecifications	-	→ List of 0	CRs: CRs: CRs:			
Other comments:								

<----- double-click here for help and instructions on how to create a CR.

## 4.2.13 Restrictions on different types of CCTrCHs

Restrictions on the different types of CCTrCHs are described in general terms in TS 25.302[11]. In this section those restrictions are given with layer 1 notation.

#### 4.2.13.1 Uplink Dedicated channel (DCH)

The maximum value of the number of TrCHs I in a CCTrCH, the maximum value of the number of transport blocks  $M_i$  on each transport channel, and the maximum value of the number of DPDCHs P are given from the UE capability class.

### 4.2.13.2 Random Access Channel (RACH)

- There can only be one TrCH in each RACH CCTrCH, i.e. I=1,  $S_k = f_{1k}$  and  $S = V_1$ .
- The maximum value of the number of transport blocks  $M_1$  on the transport channel is given from the UE capability class.
- The transmission time interval is always either 10 ms or 20 ms, i.e.  $e_{+k} = e_{+k}$  and  $N_{+} = E_{+}$ .
- At initial RACH transmission the rate matching attribute has a predefined value.
- Only one PRACH is used, i.e. P=1,  $u_{1k}=s_k$ , and U=s.

#### 4.2.13.3 Common Packet Channel (CPCH)

- The maximum value of the number of TrCHs I in a CCTrCH, the maximum value of the number of transport blocks  $M_i$  on each transport channel, and the maximum value of the number of DPDCHs P are given from the UE capability class.

NOTE: Only the data part of the CPCH can be mapped on multiple physical channels (this note is taken from TS 25.302).

#### 4.2.13.4 Downlink Dedicated Channel (DCH)

The maximum value of the number of TrCHs I in a CCTrCH, the maximum value of the number of transport blocks  $M_i$  on each transport channel, and the maximum value of the number of DPDCHs P are given from the UE capability class.

#### 4.2.13.5 Downlink Shared Channel (DSCH) associated with a DCH

- The spreading factor is indicated with the TFCI or with higher layer signalling on DCH.
- There can only be one TrCH in each DSCH CCTrCH, i.e. I=1,  $S_k = f_{1k}$  and  $S = V_1$ .
- The maximum value of the number of transport blocks  $M_1$  on the transport channel and the maximum value of the number of PDSCHs P are given from the UE capability class.

#### 4.2.13.6 Broadcast channel (BCH)

- There can only be one TrCH in the BCH CCTrCH, i.e. I=1,  $s_k = f_{1k}$ , and  $S = V_1$ .
- There can only be one transport block in each transmission time interval, i.e.  $M_1 = 1$ .
- All transport format attributes have predefined values.
- Only one primary CCPCH is used, i.e. *P*=1.

# 4.2.13.7 Forward access and paging channels (FACH and PCH)

- The maximum value of the number of TrCHs I in a CCTrCH and the maximum value of the number of transport blocks  $M_i$  on each transport channel are given from the UE capability class.
- The transmission time interval for TrCHs of PCH type is always 10 ms.
- Only one secondary CCPCH is used per CCTrCH, i.e. *P*=1.