Document R1-99k57

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.						
		CR 01		Current Versio		
GSM (AA.BB) or 3G (AA.BBB) specification number ↑						
For submission to: RAN #	tor ap for infor version 2 for 3GPP and SMG		of this form is a veila	Strateg non-strateg	gic use on	ly)
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: (U)SIM ME X UTRAN / Radio X Core Network (at least one should be marked with an X) (U)SIM ME X UTRAN / Radio X Core Network						
Source: Siemens	AG			Date:	01 Dec 1999	
Subject: Introduction of TFCI for S-CCPCH in TDD mode						
Work item: Usage of TFCI						
(only one category shall be marked C Function	n onds to a correction of feature al modification of fe modification		elease	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
Reason for change: See Subject, additional information given in TDoc TSG RAN WG1 (99) i93						
Clauses affected: 4.2.12						
Other specsOther 3G ofaffected:Other GSNspecificMS test sp	core specifications 1 core cations ecifications pecifications	$\begin{array}{c} \rightarrow \text{ Lis} \\ \hline \rightarrow \text{ Lis} \\ \rightarrow \text{ Lis} \\ \hline \rightarrow \text{ Lis} \end{array}$	et of CRs: et of CRs: et of CRs: et of CRs: et of CRs: et of CRs:	25.221-CR001	r2	
Other comments:						

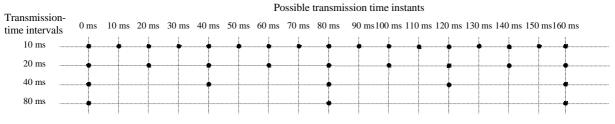


<----- double-click here for help and instructions on how to create a CR.

4.2.12 Multiplexing of different transport channels onto one CCTrCH, and mapping of one CCTrCH onto physical channels

Different transport channels can be encoded and multiplexed together into one Coded Composite Transport Channel (CCTrCH). The following rules shall apply to the different transport channels which are part of the same CCTrCH:

- 1) Transport channels multiplexed into one CCTrCh should have co-ordinated timings in the sense that transport blocks arriving from higher layers on different transport channels of potentially different transmission time intervals shall have aligned transmission time instants as shown in figure 4-6.
- 2) Different CCTrCHs cannot be mapped onto the same physical channel.
- 3) One CCTrCH shall be mapped onto one or several physical channels.



*: Allowed transmission time instants

Figure 4-6: Possible transmission time instants regarding CCTrCH

- 4) Dedicated Transport channels and common transport channels cannot be multiplexed into the same CCTrCH.
- 5) For the common transport channels, only the FACH and PCH may belong to the same CCTrCH.
- 6) Each CCTrCH carrying a BCH shall carry only one BCH and shall not carry any other Transport Channel.
- 7) Each CCTrCH carrying a RACH shall carry only one RACH and shall not carry any other Transport Channel.

Hence, there are two types of CCTrCH

CCTrCH of dedicated type, corresponding to the result of coding and multiplexing of one or several DCH.

CCTrCH of common type, corresponding to the result of the coding and multiplexing of a common channel, i.e. RACH and USCH in the uplink and DSCH, BCH, FACH or PCH in the downlink, respectively.

Transmission of TFCI is possible for CCTrCH containing Transport Channels of:

- Dedicated type
- USCH type
- DSCH type
- FACH and/or PCH type.

4.2.12.1 Allowed CCTrCH combinations for one UE

4.2.12.1.1 Allowed CCTrCH combinations on the uplink

The following CCTrCH combinations for one UE are allowed, also simultaneously:

- 1) several CCTrCH of dedicated type
- 2) several CCTrCH of common type

4.2.12.1.2 Allowed CCTrCH combinations on the downlink

The following CCTrCH combinations for one UE are allowed, also simultaneously:

- 3) several CCTrCH of dedicated type
- 4) several CCTrCH of common type