

**TSG RAN Working Group 1#9  
Dresden, German  
November 30-December 3, 1999**

**TSGR1#9 (99)j20**

<b>Agenda Item:</b>	<b>AH14</b>
<b>Source:</b>	<b>GBT</b>
<b>Title:</b>	<b>CR014 (25.211) related to GBT's CPCH Status Broadcast Proposal</b>
<b>Document for</b>	<b>Approval</b>

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TSGRAN Working Group 1#9  
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Document **R1-99j20**

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.

**25.211 CR 014**

Current Version: **V 3.0.0**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: **WG1**  
*list expected approval meeting # here* ↑

for approval   
for information

strategic   
non-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:** (U)SIM  ME  UTRAN / Radio  Core Network   
*(at least one should be marked with an X)*

**Source:** **GBT** **Date:** **24 Nov 1999**

**Subject:** **Addition of Status Broadcast for CPCH**

**Work item:** **TS25.211**

<b>Category:</b> <i>(only one category shall be marked with an X)</i>	F Correction	<input type="checkbox"/>	<b>Release:</b>	Phase 2	<input type="checkbox"/>
	A Corresponds to a correction in an earlier release	<input type="checkbox"/>		Release 96	<input type="checkbox"/>
	B Addition of feature	<input type="checkbox"/>		Release 97	<input type="checkbox"/>
	C Functional modification of feature	<input type="checkbox"/>		Release 98	<input type="checkbox"/>
	D Editorial modification	<input type="checkbox"/>		Release 99	<input checked="" type="checkbox"/>
			Release 00	<input type="checkbox"/>	

**Reason for change:** **Enhancement of CPCH access method by introducing a Status Broadcast Channel.**

**Clauses affected:** **5.3.3.7**

<b>Other specs affected:</b>	Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
	Other GSM core specifications	<input type="checkbox"/>	→ List of CRs:	
	MS test specifications	<input type="checkbox"/>	→ List of CRs:	
	BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
	O&M specifications	<input type="checkbox"/>	→ List of CRs:	

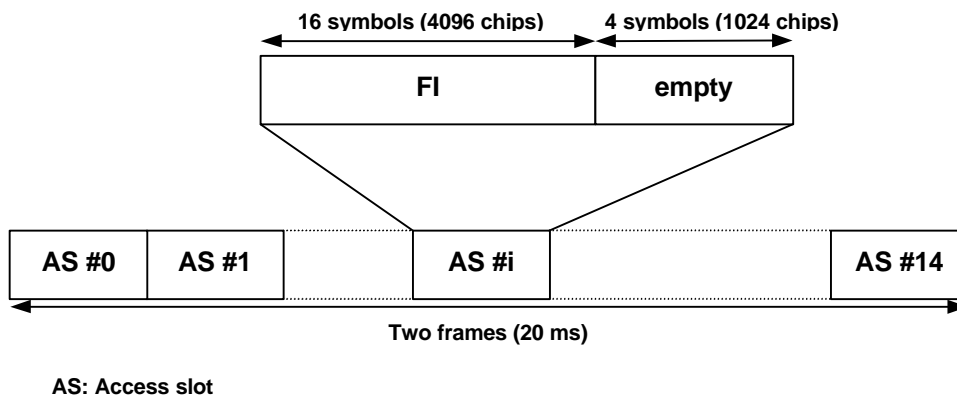
**Other comments:**

### 5.3.3.7 CPCH Status Indication Channel (CSICH)

The CSICH is a Status broadcast channel used to carry Free Indications (FI). Free Indicator  $FI_i$  corresponds to signature  $i$  which corresponds to a PCPCH.

Figure 22 illustrates the frame structure of the CSICH. Two CSICH frames of total length 20 ms consist of 15 *access slots* (AS), each of length 20 symbols (5120 chips). Each access slot consists of two parts, an *Free-Indicator* (FI) part and an empty part.

The FI-part of the access slot is generated the same manner as the AI of AICH. The empty part of the access slot consists of 4 zeros. The phase reference for the CSICH is the CPICH.



**Figure 22: Structure of CPCH Status Indication Channel (CSICH)**

The Free Indicators will be broadcast on CSICH consecutively starting from AS#0. After all indicators are sent, there will be a OFF period equivalent to an Access Slot. The new cycle begins after the OFF period.