

CHANGE REQUEST

⌘ **25.211** CR 105 ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Clarification of PDSCH definition		
Source:	⌘ Nortel Networks		
Work item code:	⌘	Date:	⌘ 05-02-2001
Category:	⌘ F	Release:	⌘ R99
Use <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in an earlier release) <i>B</i> (Addition of feature), <i>C</i> (Functional modification of feature) <i>D</i> (Editorial modification)		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900.			

Reason for change:	⌘ The current definition of PDSCH is misleading, it uses the notion of PDSCH root channelisation code which is not defined in the specifications. Moreover there does not seem to be any reason to restrict the code allocation for PDSCH computed to what is allowed by the signalling. Further all PDSCHs in a given cell whether for a single or different UEs are frame aligned.
Summary of change:	⌘ Removal of the notion of PDSCH root channelisation code which is not used in other specifications. Clarification that in a cell all PDSCH(s) are time aligned.
Consequences if not approved:	⌘ PDSCH is ambiguous leading to potential different implementations from different vendors.

Clauses affected:	⌘ 5.3.3.6		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘	<input type="checkbox"/>
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.3.3.6 Physical Downlink Shared Channel (PDSCH)

The Physical Downlink Shared Channel (PDSCH) is used to carry the Downlink Shared Channel (DSCH).

A PDSCH corresponds to a channelisation code ~~below or at a PDSCH root channelisation code~~. A PDSCH is allocated on a radio frame basis to a single UE. Within one radio frame, UTRAN may allocate different PDSCHs ~~under the same PDSCH root channelisation code~~ to different UEs based on code multiplexing. Within the same radio frame, multiple parallel PDSCHs, with the same spreading factor, may be allocated to a single UE. This is a special case of multicode transmission. All the PDSCHs ~~under the same PDSCH root channelisation code~~ are operated with radio frame synchronisation.

PDSCHs allocated to the same UE on different radio frames may have different spreading factors.

The frame and slot structure of the PDSCH are shown on figure 20.

CR-Form-v4

CHANGE REQUEST

⌘ **25.211** CR **106** ⌘ rev **-** ⌘ Current version: **4.0.0** ⌘

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