

TSG RAN Meeting #27
Tokyo, Japan, 9 - 11 March 2005

RP-050046

Title CR (Rel-6 Category F) to TS25.213 for Correction on E-DPCCH power offset
Source TSG RAN WG1
Agenda Item 9.6

RAN1 Tdoc	Spec	CR	Rev	Rel	Cat	Current Version	Subject	Work item	Remarks
R1-050064	25.213	72	-	Rel-6	F	6.1.0	Correction on E-DPCCH power offset	EDCH-Phys	

3GPP TSG RAN WG1 Meeting #40
 Scottsdale, AZ, USA, 14 – 18 February, 2005

R1-050064

CR-Form-v7.1
CHANGE REQUEST
⌘ 25.213 CR 72 ⌘ rev - ⌘ Current version: 6.1.0 ⌘

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

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Correction on E-DPCCH power offset		
Source:	⌘ RAN WG1		
Work item code:	⌘ EDCH-Phys	Date:	⌘ 4/02/2005
Category:	⌘ F	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: Ph2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) Rel-7 (Release 7)

Reason for change:	⌘ Two different notations are used in defining the E-DPCCH power offset.		
Summary of change:	⌘ Δ_{E-TFCI} is changed into $\Delta_{E-DPCCH}$.		
Consequences if not approved:	⌘ There will be confusion in the derivation of the gain factor.		

Clauses affected:	⌘ 4.2.1.3										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	⌘	X						
Y	N										
⌘	X										
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/specs/CR.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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

4.2.1.3 E-DPDCH/E-DPCCH

Figure 1c illustrates the spreading operation for the E-DPDCHs and the E-DPCCH.

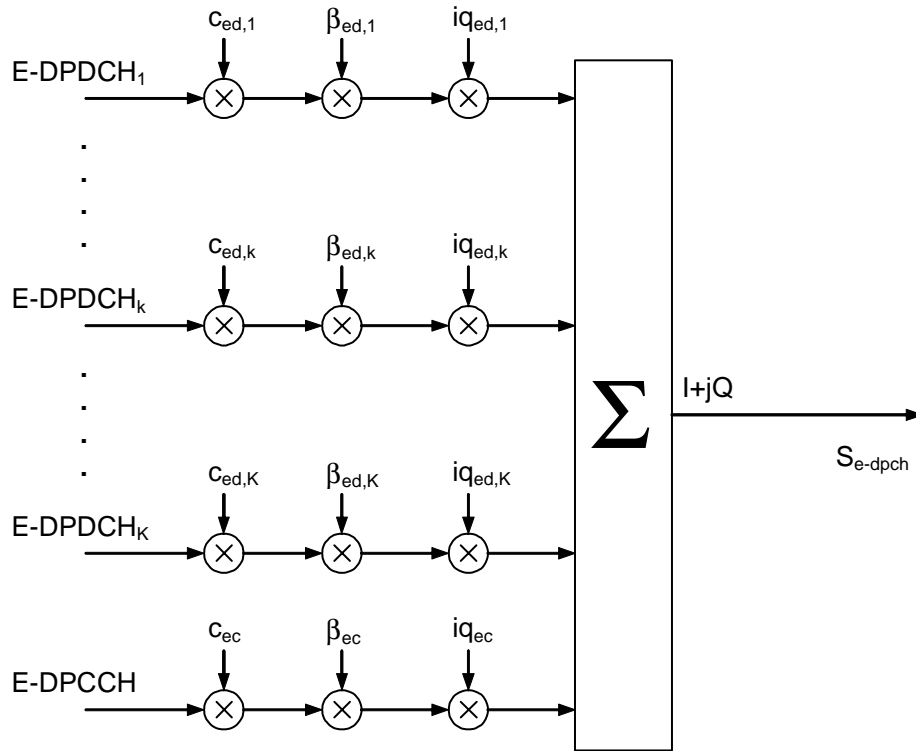


Figure 1c: Spreading for E-DPDCH/E-DPCCH

The E-DPCCH shall be spread to the chip rate by the channelisation code c_{ec} . The k :th E-DPDCH, denominated E-DPDCH $_k$, shall be spread to the chip rate using channelisation code $c_{ed,k}$.

After channelisation, the real-valued spread E-DPCCH and E-DPDCH $_k$ signals shall respectively be weighted by gain factor β_{ec} and $\beta_{ed,k}$.

The value of β_{ec} shall be derived as specified in [6] based on the power offset $\Delta_{E-TFCI-E-DPCCH}$ signalled by higher layers. The relative power offsets $\Delta_{E-TFCI-E-DPCCH}$ are quantized into amplitude ratios as specified in Table 1B.

Table 1B: Quantization for $\Delta_{E-TFCI-E-DPCCH}$

Signalling values for $\Delta_{E-TFCI-E-DPCCH}$	Quantized amplitude ratios for $10^{\left(\frac{\Delta_{E-DPCCH}}{20}\right)}$
blank	blank