

TSG RAN Meeting #24
Seoul, Korea, 2 - 4 June 2004

RP-040230

Title Independent Release 5 CR to TS 25.212 and the shadow CR to Release 6
Source TSG RAN WG1
Agenda Item 7.2.5

RAN1 Tdoc	Spec	CR	Rev	Phase	Cat	Curren Version	Subject	Workitem	Remarks
R1-040621	25.212	190	1	Rel-5	F	5.8.0	Clarification of Channelization Code-Set Mapping	HSDPA-Phys	
R1-040621	25.212	191	1	Rel-6	A	6.1.0	Clarification of Channelization Code-Set Mapping	HSDPA-Phys	

CHANGE REQUEST

№ **25.212 CR 190** № rev **1** № Current version: **5.8.0** №

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:	№ Clarification of Channelization Code-Set Mapping		
Source:	№ TSG RAN WG1		
Work item code:	№ HSDPA-Phys	Date:	№ 13/05/2004
Category:	№ F 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 .	Release:	№ Rel-5 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) Rel-6 (Release 6)

Reason for change:	№ For the formulas to calculate the channelization code-set information bits, it is not specified which of the bits is the MSB.
Summary of change:	№ Definition of the MSB for the calculation of xccs1,xccs2,xccs3 and xccs4,xccs5,xccs6,xccs7.
Consequences if not approved:	№ Formulas to calculate the channelization code-set information bits are ambiguous

Clauses affected:	№ 4.6.2.3 Channelization code-set mapping										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	№
	Y	N									
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
	<input type="checkbox"/>	Test specifications	№								
	<input type="checkbox"/>	O&M Specifications	№								
Other comments:	№ Isolated Impact Analysis: The modification only applies to the HS-SCCH. There is no impact to Rel 99 and Rel 4. If UEs and Node Bs are implemented differently, channelization code-set information can not be correctly decoded										

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.

4.6.2.3 Channelization code-set mapping

The channelization code-set bits $x_{ccs,1}, x_{ccs,2}, \dots, x_{ccs,7}$ are coded according to the following:

Given P (multi-)codes starting at code O calculate the information-field using the unsigned binary representation of integers calculated by the expressions,

for the first three bits (code group indicator) [of which \$x_{ccs,1}\$ is the MSB](#):

$$x_{ccs,1}, x_{ccs,2}, x_{ccs,3} = \min(P-1, 15-P)$$

for the last four bits (code offset indicator) [of which \$x_{ccs,4}\$ is the MSB](#):

$$x_{ccs,4}, x_{ccs,5}, x_{ccs,6}, x_{ccs,7} = |O-1-\lfloor P/8 \rfloor * 15|$$

The definitions of P and O are given in [3].

CHANGE REQUEST

⌘ **25.212 CR 191** ⌘ rev **1** ⌘ 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:	⌘ Clarification of Channelization Code-Set Mapping		
Source:	⌘ TSG RAN WG1		
Work item code:	⌘ HSDPA-Phys	Date:	⌘ 13/05/2004
Category:	⌘ A	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: 2 (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)

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