3GPP TSG CN Plenary Meeting #11, Palm Springs, U.S.A 14th - 16th March 2001

Source:TSG_CN WG 3Title:CRs to <R99 Work Item HSCSD</th>Agenda item:7.23Document for:APPROVAL

Introduction:

This document contains 4 CRs on **R99** Work Item "**HSCSD**", that have been agreed by **TSG_CN WG3**, and are forwarded to TSG CN Plenary meeting **#11** for approval.

Doc-2nd-Level	Spec	CR	Rev	Cat	Subject		Version- Current	
N3-010097	08.20	A011		A	Correction to downgrading procedure for HSCSD	R97	6.0.0	HSCSD
N3-010096	08.20	A010		F	Correction to downgrading procedure for HSCSD	R96	5.3.0	HSCSD
N3-010098	08.20	A012		A	Correction to downgrading procedure for HSCSD	R98	7.0.1	HSCSD
N3-010099	08.20	A013		A	Correction to downgrading procedure for HSCSD	R99	8.3.0	HSCSD

		CHAN	GE RE	QUES	т		CR-Form-v3
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Proposed change affe	ects: ೫	(U)SIM	ME/UE	Radio	Access Network	Core Ne	twork X
Title: # C	Correction	<mark>n to downgradin</mark>	g procedure	for HSCS	SD		
Source: ೫ T	SG_CN	WG3					
Work item code: 🕷 📙	ISCSD				Date: ೫	16.02.2001	
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Reason for change:	allow and i hand	ed, that after do	owngrading t ction is differ and expect	the usage rent. Certa	ading procedure of the subcircui ain BSS equipment ase the same us	ts in uplink dire ent may not be	ction able to
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How to create CRs using this form:

- 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 <u>ftp://www.3gpp.org/specs/</u> 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.

Page

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.

13 The Multiplexing Function

The multiplexing function is only applicable for AIUR up to and including 38,4 kbit/s for multislot operations.

The multiplexing function is based on the CCITT I.460. The multiplexing function is used to combine n (n=2 to 4) substreams of multislot intermediate rate of 8 kbit/s or n substreams of multislot intermediate rate of 16 kbit/s on one 64 kbit/s stream by using subcircuits in each octet to each substream such that:

- i) An 8 kbit/s substream is allowed to occupy subcircuits with positions 1,3,5 or 7 of each octet of the 64 kbit/s stream; a 16 kbit/s stream occupies bit positions (1,2) or (3,4) or (5,6) or (7,8).
- ii) The order of the bits at each substream is identical before and after multiplexing.
- iii) All unused bit positions shall be set to binary "1".
- iv) For transparent multislot configurations the lowest allowed subcircuits are always used.
- v) For non-transparent multislot configurations, the lowest allowed subcircuits shall be used at call set up and after change of channel configuration except at downgrading. At downgrading any of the used subcircuits <u>can_may</u> be released <u>in uplink direction</u>. Always, the released subcircuit(s) in downlink direction shall be the same as the released subcircuit(s) in uplink direction. At a possible subsequent upgrading, the lowest available bit positions shall be used for the added substreams.
 - NOTE: The rules given here are almost identical to those of I.460, Section 'Fixed format multiplexing', except for the rule i) is stricter in that 8 kbit/s substreams cannot occupy any positions, iv) and v) are added.

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13 The Multiplexing Function

The multiplexing function is only applicable for AIUR up to and including 38,4 kbit/s for multislot operations.

The multiplexing function is based on the CCITT I.460. The multiplexing function is used to combine n (n=2 to 4) substreams of multislot intermediate rate of 8 kbit/s or n substreams of multislot intermediate rate of 16 kbit/s on one 64 kbit/s stream by using subcircuits in each octet to each substream such that:

- i) An 8 kbit/s substream is allowed to occupy subcircuits with positions 1,3,5 or 7 of each octet of the 64 kbit/s stream; a 16 kbit/s stream occupies bit positions (1,2) or (3,4) or (5,6) or (7,8).
- ii) The order of the bits at each substream is identical before and after multiplexing.
- iii) All unused bit positions shall be set to binary "1".
- iv) For transparent multislot configurations the lowest allowed subcircuits are always used.
- v) For non-transparent multislot configurations, the lowest allowed subcircuits shall be used at call set up and after change of channel configuration except at downgrading. At downgrading any of the used subcircuits can may be released in uplink direction. Always, the released subcircuit(s) in downlink direction shall be the same as the released subcircuit(s) in uplink direction. At a possible subsequent upgrading, the lowest available bit positions shall be used for the added substreams.
- NOTE: The rules given here are almost identical to those of I.460, Section 'Fixed format multiplexing', except for the rule i) is stricter in that 8 kbit/s substreams cannot occupy any positions, iv) and v) are added.

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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.

13 The Multiplexing Function

The multiplexing function is only applicable for AIUR up to and including 38,4 kbit/s for multislot operations.

The multiplexing function is based on the CCITT I.460. The multiplexing function is used to combine n (n=2 to 4) substreams of multislot intermediate rate of 8 kbit/s or n substreams of multislot intermediate rate of 16 kbit/s on one 64 kbit/s stream by using subcircuits in each octet to each substream such that:

- i) An 8 kbit/s substream is allowed to occupy subcircuits with positions 1,3,5 or 7 of each octet of the 64 kbit/s stream; a 16 kbit/s stream occupies bit positions (1,2) or (3,4) or (5,6) or (7,8).
- ii) The order of the bits at each substream is identical before and after multiplexing.
- iii) All unused bit positions shall be set to binary "1".
- iv) For transparent multislot configurations the lowest allowed subcircuits are always used.
- v) For non-transparent multislot configurations, the lowest allowed subcircuits shall be used at call set up and after change of channel configuration except at downgrading. At downgrading any of the used subcircuits can may be released in uplink direction. Always, the released subcircuit(s) in downlink direction shall be the same as the released subcircuit(s) in uplink direction. At a possible subsequent upgrading, the lowest available bit positions shall be used for the added substreams.
- NOTE: The rules given here are almost identical to those of I.460, Section 'Fixed format multiplexing', except for the rule i) is stricter in that 8 kbit/s substreams cannot occupy any positions, iv) and v) are added.

3GPP TSG CN WG3 Meeting #16 Sophia, France. 26th Feb - 2nd March 2001

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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.

14 The A-interface Multiplexing Function

The multiplexing function shall be applied only for AIUR up to and including 57.6 kbit/s for multislot operations.

The multiplexing function is based on the ITU-T I.460. The multiplexing function is used to combine n (n=2 to 4) substreams of multislot intermediate rate of 8 kbit/s or n substreams of multislot intermediate rate of 16 kbit/s on one 64 kbit/s stream by using subcircuits in each octet to each substream such that:

- i) An 8 kbit/s substream is allowed to occupy subcircuits with positions 1,3,5 or 7 of each octet of the 64 kbit/s stream; a 16 kbit/s stream occupies bit positions (1,2) or (3,4) or (5,6) or (7,8).
- ii) The order of the bits at each substream is identical before and after multiplexing.
- iii) All unused bit positions shall be set to binary "1".
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- v) For non-transparent multislot configurations, the lowest allowed subcircuits shall be used at call set up and after change of channel configuration except at downgrading. At downgrading any of the used subcircuits can may be released in uplink direction. Always, the released subcircuit(s) in downlink direction shall be the same as the released subcircuit(s) in uplink direction. At a possible subsequent upgrading, the lowest available bit positions shall be used for the added substreams.
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