Seoul, Korea April 10 – 13, 2000

Agenda item: AH 1

**Source:** InterDigital Communications Corporation

Title: Correction in TS 25.222

**Document for:** Decision

In TS 25.222 an error in the pseudo code expression has been found. This CR corrects this error.

The following text in TS 25.222 is corrected by this CR:

 $P_t + 1$ ) + 1" in the pseudo code for

the channel mapping scheme is replaced by

 $p = (p \bmod P_t) + 1$ 

This correction occurs in two places.

## 3GPP TSG RAN WG1 Meeting #12 **Seoul, Korea, April 10 – 13, 2000**

## Document R1-000465 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.								
		25.222	CR	031	Curren	t Versio	on: V3.2.0	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑								
For submission to: TSG RA list expected approval meeting # here		for infor	for approval X for information			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: (at least one should be marked with an X)  The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  [Insert CR cover sheet, version 2 for 3GPP and SMG  WE X UTRAN / Radio X Core Network  WE X UTRAN / Radio X Core Network  WE X UTRA								
Source:	InterDigital (	Communication				Date:	March 28, 20	000
Subject:	Correction o	f the mapping for	mula					
Work item:	TS 25.222							
Category: A (only one category B shall be marked C with an X) D	Addition of f	nodification of fea		rlier releas		ease:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	
Reason for change:	This CR cor	rects an error in t	he pseu	do code u	sed for channe	l mapp	ing scheme.	
Clauses affected: 4.2.11.1								
affected: C	Other 3G core Other GSM co specification MS test specification SSS test specification SSS test specification	ons iications iifications	-	<ul> <li>→ List of 0</li> <li>→ List of 0</li> <li>→ List of 0</li> <li>→ List of 0</li> </ul>	CRs: CRs:			
Other comments:								

<----- double-click here for help and instructions on how to create a CR.

## 4.2.11.1 Mapping scheme

```
Notation used in this section:
P_t: number of physical channels for timeslot t, P_t = 1...2 for uplink; P_t = 1...16 for
downlink
U_{tp}: capacity in bits for the physical channel p in timeslot t
U_t: total number of bits to be assigned for timeslot t
bs<sub>p</sub>: number of consecutive bits to assign per code
     for downlink all bs_p = 1
    for uplink if SF1 >= SF2 then bs_1 = 1; bs_2 = SF1/SF2;
                 if SF2 > SF1 then bs_1 = SF2/SF1; bs_2 = 1;
fb<sub>p</sub>: number of already written bits for each code
                         intermediate calculation variable
pos:
for p=1 to P_t
                                                                   -- reset number of already
written bits for every physical channel
    fb_p = 0
end for
p = 1
                                                                   -- start with PhCH #1
for k=1 to U_t.
   do while (fb<sub>p</sub> == U_{tp})
                                                                           -- physical channel
filled up already?
     p = ((p+1) \mod (P_{+}+1)) + 1;
      p = (p \mod P_t) + 1;
  end do
  if (p \mod 2) == 0
    pos = U_{tp} - fb_p
                                                                   -- reverse order
    pos = fb_p + 1
                                                                           -- forward order
  endif
                                                           -- assignment
  w_{\rm tp,pos} = v_{\rm t,k}
  fb_p = fb_p + 1
                                                                   -- Increment number of
already written bits
  if (fb_p \mod bs_p) == 0
                                                                           -- Conditional change
to the next physical channel
```

 $p = ((p + 1) \mod (P_+ + 1)) + 1;$ 

$$p = (p \mod P_t) + 1;$$
and if

end for