

TSG-RAN Working Group 1 meeting #12  
Seoul, Korea  
April 10 – 13, 2000

**TSGR1#12(00)0465**

**Agenda item:** AH 1  
**Source:** InterDigital Communications Corporation  
**Title:** Correction in TS 25.222  
**Document for:** Decision

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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:

the channel mapping scheme is replaced by

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

This correction occurs in two places.

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



#### 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

$bs_p$ : number of consecutive bits to assign per code

for downlink all  $bs_p = 1$

for uplink if  $SF1 \geq SF2$  then  $bs_1 = 1$  ;  $bs_2 = SF1/SF2$  ;

if  $SF2 > SF1$  then  $bs_1 = SF2/SF1$ ;  $bs_2 = 1$  ;

$fb_p$ : number of already written bits for each code

pos: intermediate calculation variable

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for p=1 to  $P_t$                                 -- reset number of already
written bits for every physical channel
     $fb_p = 0$ 
end for

```

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p = 1                                           -- start with PhCH #1
for k=1 to  $U_t$ 
    do while ( $fb_p == U_{tp}$ )                    -- physical channel
filled up already ?
|  $p = ((p + 1) \bmod (P_t + 1)) + 1;$ 
|  $p = (p \bmod P_t) + 1;$ 
    end do

```

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if (p mod 2) == 0
    pos =  $U_{tp} - fb_p$                             -- reverse order
else
    pos =  $fb_p + 1$                                 -- forward order
endif

```

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 $w_{tp,pos} = v_{t,k}$                                 -- assignment
 $fb_p = fb_p + 1$                                     -- Increment number of
already written bits

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if ( $fb_p \bmod bs_p == 0$ )                            -- Conditional change
to the next physical channel

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

```

```
| p = (p mod Pi) + 1;  
  end if
```

```
end for
```