Agenda Item: **AH 14**
Source: **Golden Bridge Technology**
Title: **CPCH frame format tables**
Document for: **Discussion and Approval**

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Discussion

It has been proposed that two tables be added to the new section titled 5.2.2.2.5 of S document 25.211. The tables are identical to the ones corresponding to the dedicated uplink physical channels as in section 5.2.1 of S25.211

Proposed text

Add the following text to the end of section 5.2.2.2.5:

The frame structure is identical to the uplink dedicated physical channel as shown in Figure 1 of section 5.2.1.
The exact number of bits of the different uplink DPCCH fields (N_{pilot}, N_{TPC}, N_{FBI}, and N_{TFCI}) is yet to be determined. The field order is fixed. A limited set of field combinations will be defined.

The values for the number of bits per field are given in Table 1 and Table 2. The channel bit and symbol rates given in Table 1 are the rates immediately before spreading.

Table 1: DPDCH fields

Channel Bit Rate (kbps)	Channel Symbol Rate (ksps)	SF	Bits/ Frame	Bits/ Slot	N_{data}
16	16	256	160	10	10
32	32	128	320	20	20
64	64	64	640	40	40
128	128	32	1280	80	80
256	256	16	2560	160	160
512	512	8	5120	320	320
1024	1024	4	10240	640	640

There are two types of Uplink Dedicated Physical Channels; those that include TFCI(e.g. for several simultaneous services) and those that do not include TFCI(e.g. for fixed-rate services). These types are reflected by the duplicated rows of Table 2. The channel bit and symbol rates given in Table 2 are the rates immediately before spreading.

Table 2: DPCCH fields

Channel Bit Rate (kbps)	Channel Symbol Rate (ksps)	SF	Bits/ Frame	Bits/ Slot	N_{pilot}	N_{TPC}	N_{TFCI}	N_{FBI}
16	16	256	160	10	6	2	2	0
16	16	256	160	10	8	2	0	0
16	16	256	160	10	5	2	2	1
16	16	256	160	10	7	2	0	1
16	16	256	160	10	[6]	[2]	[0]	[2]
16	16	256	160	10	[5]	[1]	[2]	[2]

Note: The last two rows which correspond to 2 FBI bits might not be needed.