

**Agenda Item:** AH21  
**Source:** CWTS  
**To:** TSG RAN WG1  
**Title:** Transport channel to Physical channel mapping for 1.28Mcps TDD  
**Document for:** Decision

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## 1. Summary

This clause describes how the transport channels are mapped onto physical resources in 1.28Mcps TDD and shows the different types of physical channels in the 1.28 Mcps TDD.

## 2. Introduction and comparison with 3.84Mcps TDD

Like in the 3.84 Mcps TDD, the PCH and FACH are mapped onto the S-CCPCH in 1.28Mcps TDD. The P-CCPCH only contains the BCH like in the 3.84Mcps TDD. The special physical channels DwPTS and UpPTS are used for the downlink- and uplink pilot sequences in the 1.28Mcps TDD. The FPACH is used to answer the UE on a transmission of a randomly chosen SYNC1 sequence and to adjust the timing and the synchronisation shift of the UE in the random access procedure.

## 3. Proposal

We propose to add following paragraphs in the working CR for TS25.221 as the description of the transport channel to physical channel mapping of the 1.28Mcps TDD.

## 8 Mapping of transport channels to physical channels for 1.28Mcps TDD

This clause describes how the transport channels are mapped onto physical resources in 1.28Mcps TDD, see figure X1.

Transport channels	Physical channels
DCH	Dedicated Physical Channel (DPCH)
BCH	Primary Common Control Physical Channels (P-CCPCH)
PCH	<del>Primary Common Control Physical Channels (P-CCPCH)</del> Secondary Common Control Physical Channels(S-CCPCH)
FACH	<del>Primary Common Control Physical Channels (P-CCPCH)</del> Secondary Common Control Physical Channels(S-CCPCH)
	<del>PICH</del>
RACH	Physical Random Access Channel (PRACH)
USCH	Physical Uplink Shared Channel (PUSCH)
DSCH	Physical Downlink Shared Channel (PDSCH)
	Down link Pilot Time Slot (DwPTS)
	Up link Pilot Time Slot (UpPTS)
	FPACH

**Figure X1: Transport channel to physical channel mapping for 1.28Mcps TDD**