

Agenda item: AH24, HSDPA
Source: Drafting Group¹
Title: Text Proposal for the TR 25.848
Document for: Approval

Text Proposal for TR

Following text is recommended to be included in Section 6.1.2, “HSDPA Physical Layer Structure in the Time Domain” of 3G TR25.848.

Two approaches have been identified for Transmission Time Interval in HS-DSCH: an approach with fixed TTI and the second approach of dynamic TTI [1]. With the variable TTI approach, the duration of the transmission is varied while the code block size in bits is kept fixed.

Variable TTI adds flexibility in resource allocation in the time domain in addition to the flexibility that exists in code domain for fixed TTI. Variable TTI is well suited for fat-pipe scheduling techniques such as those enabled by the Downlink Shared Channel. Variable TTI schemes should be compared to schemes that use fixed TTIs in terms of performance, flexibility and complexity.

Reference:

[1] “Variable TTI for HSDPA”, TSG-RAN #18(01) 0079, Lucent Technologies.

¹ [Nokia, Ericsson, Nortel, Motorola, Lucent, Siemens, Vodafone, Panasonic, Bell South.](#)