

Source : RAN WG1 Chairman

Object: R99 Cover Sheet: Small size turbo interleavers (FDD+TDD)

The following item is proposed to be still included in Release -99.

Note: WG1 opinion is that this should be optional in release -99 and then mandatory in release 2000.

Release 1999 Submission form

Work Area / Item:		Turbo interleaver			
Affects:	UE/MS: X	CN:	UTRAN: X	Compatibility Issues:	Yes: No:X
Expected Completion Date:		3/2000			
Services impacted:		Services with momentary data rates smaller than 32 kbits/s and where use of Turbo coding would be desirable. (Typically low bit error rate)			
Specifications affected:		25.212 & 25.222			
Tasks within work which are not complete:			On a transport channel it is not possible nor desirable to change channel coding on a frame by frame basis. The operation with variable rate transmission and turbo coding is lacking smaller turbo interleaving sizes than 320 bits. The smaller sizes like 160, 80 or 40 bits (exact sizes to be specified in detail by RAN WG1) to be defined to extend the set of rates than can be operated efficiently with turbo codes		
Consequences if not included in Release 1999:			Should be specified as soon as possible to allow to take account in the implementation.		
Accepted by TSG#		for late inclusion in Release 1999:			