

March 1999		doc.: IEEE 802.11-99/081
	Outline	
 Preamble issue Other decisions		



March 1999		doc • IFFF 802 11-99/081	
Preamble - II			
• <u>Three</u> different pr centralised DLC J	eambles for HIPERL protocol applied to HI	AN-2 due to the IPERLAN-2	
• One for the beg	inning of MAC-Frame (for 1	BCCH)	
 short symbol timing acquis frequency acc 	s for AGC setting, (coarse) freq sition and long symbols for chan quisition).	uency acquisition as well as nel estimation (and fine	
 Currently no LENGTH, P protocol (in F 	need for the IEEE PLCP Heade HY mode and SERVICE are per SCCH)	r, because the signalling of rformed in the other part of	
• One for each do symbols C64 (T	wnlink burst and one for each 1/T2 in IEEE 802.11a). Not	ch uplink burst including long agreed yet:	
 symbols for c needed? (most 	oarse frequency and timing acq st likely NOT)	uisition for downlink bursts	
 symbols for c uplink bursts 	oarse frequency and timing acq	uisition and/or AGC symbol(s) in	
Submission	Slide 4	Jamshid Khun-Jush, Ericsson	

		Preamble	- III
• HIP (BCC	ERLAN-2 p CH)	reamble structu	re for BroadCast Channel
	А	В	C
CurreThe :	ently two pro	posals exists resolved in B	RAN#13 meeting on April







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	Other Decisions	5
• C64 symbol		
• The conten	t of T1/T2 symbol in 802.11a is used	d.
• Data interleave	ng	
• The same b	lock size and permutation rule as 80)2.11a
• PHY data scra	mbling	
• A MAC-fra used in 802 the first for	ame synchronous scrambler with the 2.11a. Only 16 initial states are need or bits of BCCH.	generator polynomial ed which are defined by
Convolutional	code and puncturing patter	rns
• A rate-1/2 g ₁ =171 in c	"mother code" with generator po octal representation as used in 802.1	lynomials $g_0=133$ and 1a
• for code ration in HIPERL	te 3/4 the same pattern as 802.11a (2 AN-2)	2/3 is currently not used
ubmission	Slide 9	Jamshid Khun-Jush, Ericsso