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IEEE P802.11-95/81

May, 1996		IEEE P802.11-96/08
Evading	the Frame R	eordering Trap
frame re	ordering by the 8	ay, and aggravation over 802.11 MAC – <i>WITHOUT</i> nagement functionality.
	el Fischer I Ocean, Inc.	
May 6	, 1996	
Submission	Slide 1	Michael Fischer, Digital Ocean
May, 1996		IEEE P802.11–96/08
	of the Impas	IEEE P802.11–96/08 ⁻
Summary The recent ide assumptions	entification of a conf about frame ordering the behavior of the 80	
Summary The recent ide assumptions a entities and th "lose/lose" sit • If strict fra ratification functions i Doing so r	entification of a conf about frame ordering be behavior of the 80 tuation: me ordering must be of the standard, the in the current draft n enders the result us	SC lict between higher–layer g between MAC service
Summary The recent ide assumptions a entities and th "lose/lose" sit • If strict fran ratification functions i Doing so r which repr • If the only functional wireless ne	entification of a conf about frame ordering the behavior of the 80 tuation: me ordering must be of the standard, the of the standard, the enders the result us resent a substantial way to obtain appro is to convince 802.1 requirements due to etworks, there is a li	SE lict between higher-layer g between MAC service 2.11 MAC has created a e maintained to achieve power management hay need to be removed. eless for mobile applications,
Summary The recent ide assumptions a entities and th "lose/lose" sit • If strict fran ratification functions i Doing so r which repr • If the only functional wireless ne lengthy de	entification of a conf about frame ordering the behavior of the 80 tuation: me ordering must be of the standard, the of the standard, the enders the result us resent a substantial way to obtain appro is to convince 802.1 requirements due to etworks, there is a li	Se lict between higher-layer g between MAC service 2.11 MAC has created a e maintained to achieve e power management hay need to be removed. eless for mobile applications, portion of the target usage. val of the power management (and/or ISO) to modify their the unique characteristics of kelihood (certainty?) of nder this standard irrelevant.

Submission:

Michael Fischer

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The Prope	osed Mechan	ism (cont.)
4) "Do not reor	der" is tested in each M	ISDU received by a MAC entity:
"do no for trar the add	t reorder" set (=1), the l nsfer, without regard fo dressed destination.	MSDU from the WM or DSM wit MAC entity enqueues the MSDU r the power management state o
reorde		Iticast MSDU with "do not a unicast MSDU, and does not TIM.
or strictly orde standard (or m	red. To the extent that ay be defined in the fut E) can control the reord	al can be marked as reorderable portal behavior is defined in the ure), a managed object derability of inbound MSDUs on
Gubmission	Slide 5	Michael Fischer, Digital Ocean
May, 1996		IEEE P802.11–96/08
Recomme		IEEE P802.11-96/08
Recommenda To avoid a to avoid fu managem should pro	ation: a prolonged debate o unctional compromis ent and point coordin ovide an alternate, "s	
Recommenda To avoid a to avoid fu managem should pro	ation: a prolonged debate o unctional compromis ent and point coordin ovide an alternate, "s	ver frame reorderability, and tes in the area of power nation functions, 802.11 strictly ordered" service in
Recommenda To avoid a to avoid fu managem should pr addition to Motion: A formal r available. approach submissio	ation: a prolonged debate o unctional compromis ent and point coordin ovide an alternate, "s o the "reorderable" s notion is not possible (I only thought of thi is of interest to the M	ver frame reorderability, and es in the area of power nation functions, 802.11 strictly ordered" service in ervice implicit in D3.1. e because the text is not yet s approach on May 3.) If this MAC group, the author of this e text changes available no

Submission:

Michael Fischer

