

March 2000

IEEE 802.15 TG2 Project Plan

IEEE 802.15-00/089r0

ID	Task Name	Duration	Start	Finish	Resource Names
1	Coexistence Model	2 days	Mon 03/06/00	Tue 03/07/00	
2	Develop Physical Layer Model	1 day	Mon 03/06/00	Mon 03/06/00	
3	Divide Bluetooth PHY Layer Model into Sections	1 day	Mon 03/06/00	Mon 03/06/00	Lansford
4	Divide 802.11 PHY Layer Model into Sections	1 day	Mon 03/06/00	Mon 03/06/00	Lansford
5	Develop Bluetooth PHY Layer Model Simulator	1 day	Mon 03/06/00	Mon 03/06/00	Lansford,Eliezer
6	Devlop 802.11 PHY Layer Model Simulation	1 day	Mon 03/06/00	Mon 03/06/00	Lansford,Eliezer
7	BER of 1/2 Mbps DSSS interfered by Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	
8	BER of 1/2 Mbps FHSS interfered by Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	
9	BER of 11 Mbps interfered by Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	Voltz
10	BER of Bluetooth interfered by 1/2 Mbps DSSS	1 day	Mon 03/06/00	Mon 03/06/00	
11	BER of Bluetooth interfered by 1/2 Mbps FHSS	1 day	Mon 03/06/00	Mon 03/06/00	
12	BER of Bluetooth interfered by 11 Mbps	1 day	Mon 03/06/00	Mon 03/06/00	
13	Effect of High Power Bluetooth Interferer on 1/2 Mbps DSSS	1 day	Mon 03/06/00	Mon 03/06/00	
14	Effect of High Power Bluetooth Interferer on 1/2 Mbps FHSS	1 day	Mon 03/06/00	Mon 03/06/00	
15	Effect of High Power Bluetooth Interferer on 11 Mbps	1 day	Mon 03/06/00	Mon 03/06/00	
16	Effect of High Power 1/2 Mbps DSSS on Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	
17	Effect of High Power 1/2 Mbps DSSS on Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	
18	Effect of High Power 1/2 Mbps DSSS on Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	
19	Develop HomeRF PHY Layer Model	1 day	Mon 03/06/00	Mon 03/06/00	
20	Develop RF Propagation Model	1 day	Mon 03/06/00	Mon 03/06/00	
21	Develop Theoretical Model	1 day	Mon 03/06/00	Mon 03/06/00	Bertoni
22	Experimental verification of Model	1 day	Mon 03/06/00	Mon 03/06/00	Bertoni
23	Develop MAC Layer Model	2 days	Mon 03/06/00	Tue 03/07/00	
24	Theoretical Probability of 802.11 Packet Collision by Bluetooth	1 day	Mon 03/06/00	Mon 03/06/00	Shellhammer
25	Theoretical Probability of Bluetooth Packet Collision by 802.11	1 day	Mon 03/06/00	Mon 03/06/00	
26	Investigate how to Interface PHY Model to Opnet	1 day	Mon 03/06/00	Mon 03/06/00	Golmie
27	Outline the MAC Simulation into sections	1 day	Mon 03/06/00	Mon 03/06/00	Golmie
28	MAC Layer Simulation	2 days	Mon 03/06/00	Tue 03/07/00	Golmie
29	Comparison of Theoretical and Simulation Models	1 day	Mon 03/06/00	Mon 03/06/00	
30	Develop Data Traffic Models	1 day	Mon 03/06/00	Mon 03/06/00	
31	Select a Representative Set of Application Scenarios	1 day	Mon 03/06/00	Mon 03/06/00	
32	Select specific input parameters to MAC models	1 day	Mon 03/06/00	Mon 03/06/00	
33	Run application scenarios by Bluetooth and 802.11	1 day	Mon 03/06/00	Mon 03/06/00	
34	Select the appropriate performance metric for each scenario	1 day	Mon 03/06/00	Mon 03/06/00	

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35	Application of Coexistence Model	1 day	Mon 03/06/00	Mon 03/06/00	
36	Agree on format to present results	1 day	Mon 03/06/00	Mon 03/06/00	
37	Apply Coexistence Model to each Application scenario	1 day	Mon 03/06/00	Mon 03/06/00	
38	Summarize and Review Results	1 day	Mon 03/06/00	Mon 03/06/00	
39	Experimental verification of Coexistence Model	1 day	Mon 03/06/00	Mon 03/06/00	
40	Select a simplified set of application scenarios	1 day	Mon 03/06/00	Mon 03/06/00	
41	Run experiments on the selected application scenarios	1 day	Mon 03/06/00	Mon 03/06/00	
42	Compare experimental results and Coexistence Model Results	1 day	Mon 03/06/00	Mon 03/06/00	
43					
44					
45					
46					
47	Recommended Practice	40 days	Mon 03/06/00	Fri 04/28/00	
48	Give shell of Recommended Practical to Dan	1 day	Mon 03/06/00	Mon 03/06/00	Siep
49	Produce Outline	8 wks	Mon 03/06/00	Fri 04/28/00	McGlynn
50	Give tutorial to TG2 on the process of writing a standard	8 wks	Mon 03/06/00	Fri 04/28/00	Siep
51	Match previous submissions to clauses & give feedback to authors	1 day	Mon 03/06/00	Mon 03/06/00	hellhammer,Golmie
52	Find volunteer Editors for each of the clauses	1 day	Mon 03/06/00	Mon 03/06/00	McGlynn
53	Select Clause Editors	1 day	Mon 03/06/00	Mon 03/06/00	McGlynn
54	Write Clause 1	1 day	Mon 03/06/00	Mon 03/06/00	
55	Write Clause 2	1 day	Mon 03/06/00	Mon 03/06/00	
56	Write Clause 3	1 day	Mon 03/06/00	Mon 03/06/00	
57	Write Clause 4	1 day	Mon 03/06/00	Mon 03/06/00	
58	Write Clause 5	1 day	Mon 03/06/00	Mon 03/06/00	
59	Write Clause 6	1 day	Mon 03/06/00	Mon 03/06/00	
60	Write Clause 7	1 day	Mon 03/06/00	Mon 03/06/00	
61	Harmonize Clauses	1 day	Mon 03/06/00	Mon 03/06/00	
62	Produce Database for Comment Resolution	1 day	Mon 03/06/00	Mon 03/06/00	Siep
63	Send out for Letter Ballot	1 day	Mon 03/06/00	Mon 03/06/00	
64	Comment Resolution	1 day	Mon 03/06/00	Mon 03/06/00	
65	Send out for Reconsideration	1 day	Mon 03/06/00	Mon 03/06/00	
66	Comment Resolution	1 day	Mon 03/06/00	Mon 03/06/00	
67	Send out for Recirculation	1 day	Mon 03/06/00	Mon 03/06/00	