

APPENDIX C

The principles of Appendix C reduce any entry field to a power of two on day two of the event. These principles are achieved with the use of byes, 4-way matches and 2-way matches.

In the special cases of an entry field that exceeds a power of two by one or two teams, 3-way matches (one survivor) will be used. In such cases the staff shall seek withdrawals from the field prior to posting the first round pairings.

Page two offers a brief explanation of the pairing concept, with several examples. The pages that follow indicate first round pairings.

In the pairing grid which follows:

N = number of teams entered

E = number of teams to eliminate

B = number of byes

F = number of 4-way matches

T = number of 2-way matches

R = reference number

S = sum of the seeds

Instructions for First Round Matches					
1) Find the number of teams N in the table					
2) If there are 2-way matches, they are assigned as follows:					
		B+1	vs	N	
		B+2	vs	N-1	
			...		
		B+T	vs	N-T+1	
Note the sum of the 2 seeds is $B+N+1 = S$					
3) If there are four-ways, they can be arranged as follows:					
		1st seed	2nd seed	3rd seed	4th seed
		R+1	R+2F	R+2F+1	R+4F
		R+2	R+2F-1	R+2F+2	R+4F-1
			...		
		R+F	R+F+1	R+3F	R+3F+1
First seeds play fourth in the afternoon, second seeds play third					
Note the sum of the seeds playing in the afternoon is $2R+4F+1=S$					
N.B. Special cases of power of two +1 and +2					
Below is a worked out example which works for any of N=39,40,47,48,49,50					
In each of these cases R=11 and S=51					
The 4-way matches are the same for each of these numbers of teams					
	#1 seed	# 2 seed	#3 seed	# 4 seed	
	12	25	26	39	
	13	24	27	38	
	14	23	28	37	
	15	22	29	36	
	16	21	30	35	
	17	20	31	34	
	18	19	32	33	
Note that the sum of seeds is 51; moreover the sum of #1,#2 seed in the same 4-way is 37					

2-way matches									
# teams	matches								
39	B=11=R T=0	40	B=10 T=1						
	no 2-ways		11 vs 40						
47	B=3 T=8	48	B=2 T=9	49	B=1 T=10	50	B=0,T=11 1 vs 50		
					2 vs 49		2 vs 49		
			3 vs 48		3 vs 48		3 vs 48		
	4 vs 47		4 vs 47		4 vs 47		4 vs 47		
	5 vs 46		5 vs 46		5 vs 46		5 vs 46		
	6 vs 45		6 vs 45		6 vs 45		6 vs 45		
	7 vs 44		7 vs 44		7 vs 44		7 vs 44		
	8 vs 43		8 vs 43		8 vs 43		8 vs 43		
	9 vs 42		9 vs 42		9 vs 42		9 vs 42		
	10 vs 41		10 vs 41		10 vs 41		10 vs 41		
	11 vs 40		11 vs 40		11 vs 40		11 vs 40		

Appendix C - Revised 12/01/2005											
	If the number of teams is in bold, these can be done with all 4-ways										
#teams	# to elim	#byes	#4-ways	#2-ways	ref #	sum of seeds	#s with same 4-ways				
N	E	B	F	T	R	S					
9	1	5	1	0	5	15	9,10,11,12,13,14				
10	2	4	1	1	5	15					
11	3	3	1	2	5	15					
12	4	2	1	3	5	15					
13	5	1	1	4	5	15					
14	6	0	1	5	5	15					
15	7	1		7		17					
16	8	0		8		17					
17	9	0	0	7		16		8-16-17			
18	10	0	0	6		15	7-16-17	8-15-18			
19	3	7	3	0	7	27	19,20,23,24,25,26				
20	4	6	3	1	7	27					
21	5	1	5	0	5	23	21,22				
22	6	0	5	1	5	23					
23	7	3	3	4	7	27					
24	8	2	3	5	7	27					
25	9	1	3	6	7	27					
26	10	0	3	7	7	27					
27	11	3	1	10	11	31					

28	12	2	1	11	11	31				
29	13	1	1	12	11	31				
30	14	0	1	13	11	31				
31	15	1		15		33				
32	16	0		16		33				
33	17	0	0	15	29	32		16-32-33		
34	18	0	0	14	29	31	15-32-33	16-31-34		
35	3	23	3	0	23	59	35,36,55,56,57,58			
36	4	22	3	1	23	59				
37	5	17	5	0	17	55	37,38,51,52,53,54			
38	6	16	5	1	17	55				
39	7	11	7	0	11	51	39,40,47,48,49,50			
40	8	10	7	1	11	51				
41	9	5	9	0	5	47	41,42,43,44,45,46			
42	10	4	9	1	5	47				
43	11	3	9	2	5	47				
44	12	2	9	3	5	47				
45	13	1	9	4	5	47				
46	14	0	9	5	5	47				
47	15	3	7	8	11	51				
48	16	2	7	9	11	51				
49	17	1	7	10	11	51				
50	18	0	7	11	11	51				
51	19	3	5	14	17	55				
52	20	2	5	15	17	55				
53	21	1	5	16	17	55				
54	22	0	5	17	17	55				
55	23	3	3	20	23	59				
56	24	2	3	21	23	59				
57	25	1	3	22	23	59				
58	26	0	3	23	23	59				
59	27	3	1	26	29	63				
60	28	2	1	27	29	63				
61	29	1	1	28	29	63				
62	30	0	1	29	29	63				
63	31	1		31		65				
64	32	0		32		65				
65	33	0	0	31	61	64		32-64-65		
66	34	0	0	30	61	63	31-64-65	32-63-66		
67	3	55	3	0	55	123	67,68,119,120,121,122			
68	4	54	3	1	55	123				
69	5	49	5	0	49	119	69,70,115,116,117,118			
70	6	48	5	1	49	119				
71	7	43	7	0	43	115	71,72,111,112,113,114			
72	8	42	7	1	43	115				
73	9	37	9	0	37	111	73,74,107,108,109,110			
74	10	36	9	1	37	111				
75	11	31	11	0	31	107	75,76,103,104,105,106			

76	12	30	11	1	31	107				
77	13	25	13	0	25	103	77,78,99,100,101,102			
78	14	24	13	1	25	103				
79	15	19	15	0	19	99	79,80,95,96,97,98			
80	16	18	15	1	19	99				
81	17	13	17	0	13	95	81,82,91,92,93,94			
82	18	12	17	1	13	95				
83	19	7	19	0	7	91	83,84,87,88,89,90			
84	20	6	19	1	7	91				
85	21	1	21	0	1	87	85,86			
86	22	0	21	1	1	87				
87	23	3	19	4	7	91				
88	24	2	19	5	7	91				
89	25	1	19	6	7	91				
90	26	0	19	7	7	91				
91	27	3	17	10	13	95				
92	28	2	17	11	13	95				
93	29	1	17	12	13	95				
94	30	0	17	13	13	95				
95	31	3	15	16	19	99				
96	32	2	15	17	19	99				
97	33	1	15	18	19	99				
98	34	0	15	19	19	99				
99	35	3	13	22	25	103				
100	36	2	13	23	25	103				
101	37	1	13	24	25	103				
102	38	0	13	25	25	103				
103	39	3	11	28	31	107				
104	40	2	11	29	31	107				
105	41	1	11	30	31	107				
106	42	0	11	31	31	107				
107	43	3	9	34	37	111				
108	44	2	9	35	37	111				
109	45	1	9	36	37	111				
110	46	0	9	37	37	111				
111	47	3	7	40	43	115				
112	48	2	7	41	43	115				
113	49	1	7	42	43	115				
114	50	0	7	43	43	115				
115	51	3	5	46	49	119				
116	52	2	5	47	49	119				
117	53	1	5	48	49	119				
118	54	0	5	49	49	119				
119	55	3	3	52	55	123				
120	56	2	3	53	55	123				
121	57	1	3	54	55	123				
122	58	0	3	55	55	123				
123	59	3	1	58	61	127				

124	60	2	1	59	61	127				
125	61	1	1	60	61	127				
126	62	0	1	61	61	127				
127	63	1		63		129				
128	64	0		64		129				