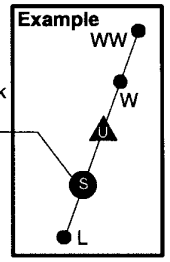
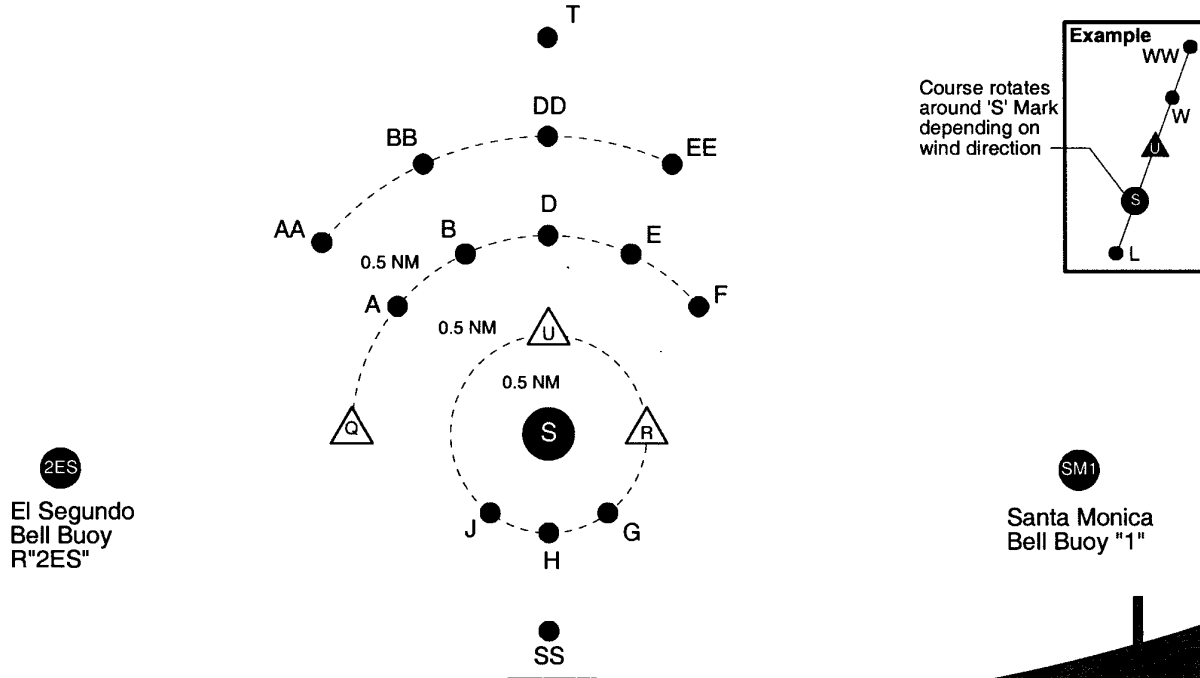


Draft Marina del Rey Course Chart 16 April 7, 2003

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Upwind Finishes		
No	Course	Distance
1	Start-U-L-Finish	2NM
2	Start-U-S-U-L-Finish	3NM
3	Start-U-S-U-S-U-L-Finish	4NM
4	Start-W-L-Finish	3NM
5	Start-W-S-U-L-Finish	4NM
6	Start-W-S-W-L-Finish	5NM
7	Start-W-S-U-S-U-L-Finish	5NM
8	Start-W-L-W-L-Finish	6NM
9	Start-W-S-W-S-U-L-Finish	6NM
10	Start-W-S-W-S-W-L-Finish	7NM
11	Start-W-S-W-L-W-L-Finish	8NM
12	Start-WW-S-W-L-Finish	6NM
13	Start-WW-S-WW-L-Finish	7NM
14	Start-WW-L-WW-L-Finish	8NM
15	Start-WW-S-W-S-W-L-Finish	8NM

Downwind Finishes		
No	Course	Distance
20	Start-U-S-U-Finish	2NM
21	Start-U-S-U-S-U-Finish	3NM
22	Start-W-S-U-Finish	3NM
23	Start-W-S-W-Finish	4NM
24	Start-W-S-U-S-U-Finish	4NM
25	Start-W-L-W-Finish	5NM
26	Start-W-S-U-S-W-Finish	5NM
27	Start-W-S-W-S-W-Finish	6NM
28	Start-W-S-W-L-W-Finish	7NM
29	Start-W-L-W-L-W-Finish	8NM
30	Start-WW-S-W-Finish	5NM
31	Start-WW-S-WW-Finish	6NM
32	Start-WW-L-W-Finish	6NM
33	Start-WW-S-W-S-W-Finish	7NM
34	Start-WW-S-WW-S-W-Finish	8NM

Course Instructions

- Start and finish in the vicinity of **S** mark.
- Leave all rounding marks to **PORT**.
- WW**, **W** and **U** are weather marks.
- L** and **S** are leeward marks.
- Courses will be signaled by code flags:
 - Number pennant(s) for the course number;
 - A letter flag for the **DIRECTION** to the first mark (see compass bearing table on other side).

Mark Identification Table

If letter flag is:	A	B	D	E	F	G	H	J	Q	R
then WW is	AA	BB	DD	EE	-	-	-	-	-	-
W is	A	B	D	E	F	G	H	J	Q	R
U is	located halfway between S mark and W , if set									
L is	G	G	H	J	J	B	D	E	R	Q



Special Courses	
40+	See Sailing Instructions

Marina del Rey Marks

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TO → Approximate magnetic course between marks

FROM		A	AA	B	BB	D	DD	E	EE	F	G	H	J	Q	R	S	T	SS
	S	185	185	210	210	235	235	260	260	285	18	55	92	145	325	-	235	55
	A	-	185	288	245	300	277	313	298	325	9	21	31	75	352	5	264	30
	AA	5	-	330	288	323	300	327	313	335	8	17	23	46	355	5	283	25
	B	108	150	-	210	312	270	325	302	337	26	38	50	88	9	30	256	42
	BB	65	108	30	-	355	312	348	325	352	27	36	44	70	15	30	280	40
	D	120	143	132	175	-	235	338	295	350	43	55	67	100	28	55	235	55
	DD	97	120	90	132	55	-	20	338	13	46	55	64	89	37	55	235	55
	E	133	147	145	168	158	200	-	260	2	60	72	84	113	50	80	214	68
	EE	118	133	122	145	115	158	80	-	45	66	74	83	105	61	80	190	70
	F	145	155	157	172	170	193	182	225	-	79	89	101	125	77	105	206	80
	G	189	188	206	207	223	226	240	246	259	-	127	145	162	262	198	228	82
	H	201	197	218	216	235	235	252	254	269	307	-	163	172	280	235	235	55
	J	211	203	230	224	247	244	264	263	281	325	343	-	175	298	272	242	28
	Q	255	226	268	250	280	269	293	285	305	342	352	355	-	325	325	262	10
	R	172	175	189	195	208	217	230	241	257	82	100	118	145	-	145	221	82
	T	84	103	76	100	55	55	34	10	26	48	55	62	82	41	55	-	55
	SS	210	205	222	220	235	235	248	250	260	262	235	208	190	262	235	235	-

Mark Locations

Mark	Latitude	Longitude
A	33° 56.243' N	118° 29.606' W
AA	33° 55.770' N	118° 29.799' W
B	33° 56.467' N	118° 30.050' W
BB	33° 56.107' N	118° 30.466' W
D	33° 56.827' N	118° 30.337' W
DD	33° 56.647' N	118° 30.899' W
E	33° 57.254' N	118° 30.417' W
EE	33° 57.288' N	118° 31.017' W
F	33° 57.669' N	118° 30.270' W
G	33° 57.611' N	118° 28.898' W
H	33° 57.367' N	118° 28.655' W
J	33° 57.051' N	118° 28.637' W
Q	33° 56.257' N	118° 28.779' W
R	33° 57.652' N	118° 29.434' W
S	33° 57.187' N	118° 29.216' W
T	33° 56.464' N	118° 31.459' W
SS	33° 57.547' N	118° 28.093' W
2ES	33° 54.698' N	118° 27.563' W
SM1	34° 00.176' N	118° 30.226' W

Please note: These are the designated waypoints for the marks; every effort is made to keep them as close as possible to the above coordinates, but there is no guarantee as to their actual positions.
 Marks **A** through **SS** are owned and maintained by the Yacht Clubs in MdR and may only be used with prior approval from the Buoy Coordinator.

Description of Marks

- A, AA, D, DD, T, F and H marks are yellow spars.
- B, BB, E, EE, G, J and SS marks are yellow spars with black bands.
- Q, R and U are inflatable or flag marks that may be set by the race committee.
- 2ES is the El Segundo bell buoy.
- SM1 is the Santa Monica bell buoy.
- Missing marks may be replaced by inflatable or flag marks.

Handicap Distances

- The handicap distance from **S** to:
- G, H, J or R = 0.5 NM
 - A, B, D, E, F, Q or SS = 1.0 NM
 - AA, BB, DD or EE = 1.5 NM
 - T = 2.0 NM