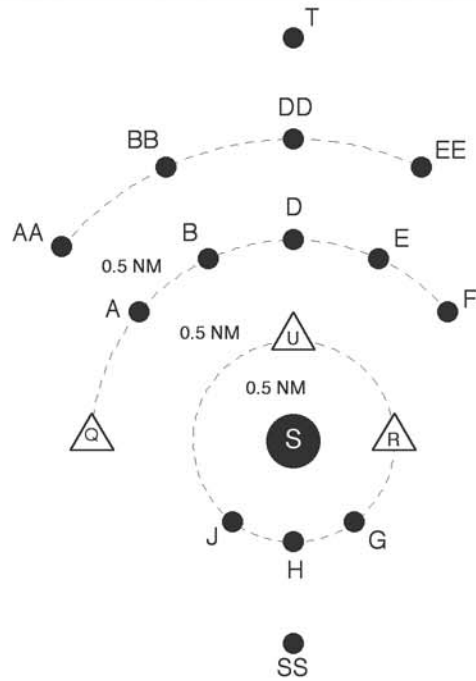
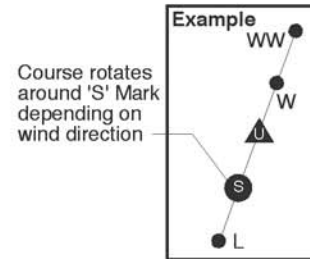


Marina del Rey Course Chart 16



2ES
El Segundo
Bell Buoy
R"2ES"



Course rotates
around 'S' Mark
depending on
wind direction

SM1
Santa Monica
Bell Buoy "1"

Santa Monica Pier

Venice Pier



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



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

Special Courses

40+ See Sailing Instructions

Marina del Rey Course Chart 16

TO
Approximate magnetic course between marks
→

FROM		A	AA	B	BB	D	DD	E	EE	F	G	H	J	Q	R	S	T	SS	2ES	SM1
	S	185	185	210	210	235	235	260	260	285	18	55	92	145	325	-	235	55	138	331
	A	-	185	288	245	300	277	313	298	325	9	21	31	75	352	5	264	30	119	339
	AA	5	-	330	288	323	300	327	313	335	8	17	23	46	355	5	283	25	107	342
	B	108	150	-	210	312	270	325	302	337	26	38	50	88	9	30	256	42	117	344
	BB	65	108	30	-	355	312	348	325	352	27	36	44	70	15	30	280	40	107	349
	D	120	143	132	175	-	235	338	295	350	43	55	67	100	28	55	235	55	119	348
	DD	97	120	90	132	55	-	20	338	13	46	55	64	89	37	55	235	55	112	355
	E	133	147	145	168	158	200	-	260	2	60	72	84	113	50	80	214	68	124	349
	EE	118	133	122	145	115	158	80	-	45	66	74	83	105	61	80	190	70	118	359
	F	145	155	157	172	170	193	182	225	-	79	89	101	125	77	105	206	80	129	347
	G	189	188	206	207	223	226	240	246	259	-	127	145	162	262	198	228	82	146	323
	H	201	197	218	216	235	235	252	254	269	307	-	163	172	280	235	235	55	148	321
	J	211	203	230	224	247	244	264	263	281	325	343	-	175	298	272	242	28	146	324
	Q	255	226	268	250	280	269	293	285	305	342	352	355	-	325	325	262	10	133	329
	R	172	175	189	195	208	217	230	241	257	82	100	118	145	-	145	221	82	139	332
	T	84	103	76	100	55	55	34	10	26	48	55	62	82	41	55	-	55	105	2
	SS	210	205	222	220	235	235	248	250	260	262	235	208	190	262	235	235	-	158	312
	2ES	299	287	297	287	299	292	304	298	309	326	328	326	313	319	318	285	338	-	324
	SM1	159	162	164	169	168	175	169	179	167	143	141	144	149	152	151	182	132	144	-

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