



US COAST GUARD AUXILIARY DIVISION SEVEN UTAH OPERATIONS

SECTOR SEARCH WORKSHEET

TIME TABLE LENGTH OF LEG AND SPEED

CHOOSE LEG LENGTH AND SPEED TO RUN COURSE,
CROSS REF. TO DETERMINE TIME NEEDED TO RUN LEG.

	6 MPH	7	8	10	12	SPEED MPH
LEG LENGTH IN MILES	min/sec	min/sec	min/sec	min/sec	min/sec	
.25	2:30	2:08	1:52	1:30	1:15	
.5	5:00	4:17	3:48	3:00	2:30	
1.0	10:00	8:34	7:30	6:00	5:00	
1.5	15:00	12:51	11:15	9:00	7:30	

HEADINGS & TIMINGS

LEG	LENGTH LEG	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST						
2ND			+120			
3RD			+120			
4TH			+120	WORKSHEET 1		
5TH			+120			
6TH			+120			
7TH			+120			

HEADINGS & TIMINGS (example)

LEG	LENGTH NM LEG	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST	.5 mi				3.00	10mph
2ND	.5 mi		+120	120	3.00	10mph
3RD	1.0mi		+120	240	6.00	10mph
4TH	.5 mi		+120	360	3.00	10mph
5TH	1.0 mi		+120	120	6.00	10mph
6TH	.5 mi		+120	240	3.00	10mph
7TH	.5mi		+120	360	3.00	10mph

HEADINGS & TIMINGS

LEG	LENGTH LEG	START HDG	ADD DEGREES	NEW HDG	TIME min/sec OF LEG	@ SPEED
1ST						
2ND			+120			
3RD			+120			
4TH			+120	WORKSHEET 2		
5TH			+120			
6TH			+120			
7TH			+120			

Example above assumes a START HDG of 000 deg.
A LENGTH of LEG of .5 mi and SPEED of 10 mph.

REPORT TO HELMSMAN