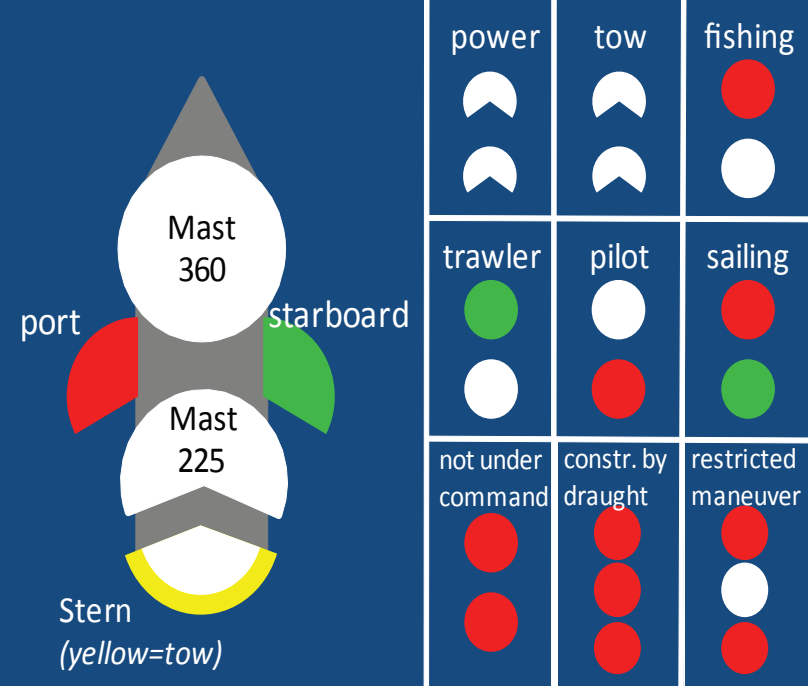


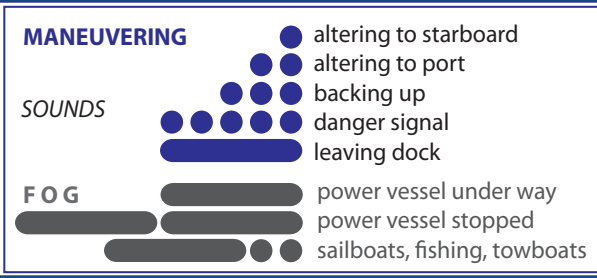
dist/km	4 km/h	5 km/h	6 km/h	7 km/h	8 km/h	9 km/h	10km/h
0.1	1.5	1.2	1	0.9	0.75	0.7	0.6
0.2	3	2.4	2	1.7	1.5	1.3	1.2
0.3	4.5	3.6	3	2.6	2.25	2.0	1.8
0.4	6	4.8	4	3.4	3	2.7	2.4
0.5	7.5	6	5	4.3	3.75	3.3	3
0.6	9	7.2	6	5.1	4.5	4.0	3.6
0.7	10.5	8.4	7	6.0	5.25	4.7	4.2
0.8	12	9.6	8	6.9	6	5.3	4.8
0.9	13.5	10.8	9	7.7	6.75	6.0	5.4
1	15	12	10	8.6	7.5	6.7	6
1.5	22.5	18	15	12.9	11.25	10.0	9
2	30	24	20	17.1	15	13.3	12
2.5	37.5	30	25	21.4	18.75	16.7	15
3	45	36	30	25.7	22.5	20.0	18

dist/nm	2 kts	2.5 kts	3 kts	3.5 kts	4 kts	4.5 kts	5 kts
0.1	3	2.4	2	1.7	1.5	1.3	1.2
0.2	6	4.8	4	3.4	3	2.7	2.4
0.3	9	7.2	6	5.1	4.5	4.0	3.6
0.4	12	9.6	8	6.9	6	5.3	4.8
0.5	15	12	10	8.6	7.5	6.7	6
0.6	18	14.4	12	10.3	9	8.0	7.2
0.7	21	16.8	14	12.0	10.5	9.3	8.4
0.8	24	19.2	16	13.7	12	10.7	9.6
0.9	27	21.6	18	15.4	13.5	12.0	10.8
1	30	24	20	17.1	15	13.3	12
1.5	45	36	30	25.7	22.5	20.0	18
2	60	48	40	34.3	30	26.7	24
2.5	75	60	50	42.9	37.5	33.3	30
3	90	72	60	51.4	45	40.0	36



ferry angle		speed			
<i>(eff speed)</i>		2	3	4	5
current	1	27 (1.8)	18 (2.8)	14 (3.9)	11 (4.9)
	2	45 (1.4)	34 (2.5)	27 (3.6)	22 (4.6)
	3	56 (1.1)	45 (2.1)	37 (3.2)	31 (4.3)
	4	63 (0.9)	53 (1.8)	45 (2.8)	39 (3.9)
	5	68 (0.7)	59 (1.5)	51 (2.5)	45 (3.5)

Beaufort	2	3	4	5	6	7	8
Wind/kts	4-6	7-10	11-16	17-21	22-27	28-33	34-40
Speed with	3	3.5	3.5	3.75	4	4.5	4.5
Speed opp.	3	2.75	2.75	2.5	2.25	1.5	1



20 strokes ~ 100 m ~ 1 min (at 6 km/h)  
 45 strokes ~ 1/8 nm ~ 2.5 min (at 3 kts)

