



**North Texas
Battle Group**

A Big Gun R/C Warship Combat International Club

North Texas Battle Group Technical Appendix

Adopted February 11, 2007

TABLE 1- ARMOR BELT THICKNESS

Prototype Ship's Maximum Armor Belt Thickness	Maximum Balsa Thickness	Combat Factor
Less than 7"	1/16"	2 points
7.0" to 11.9"	3/32"	3 points
12.0" and greater	1/8"	4 points

TABLE 2- PUMP DISCHARGE RATES

Prototype Ship Displacement (tonnes)	Category	Gallons per Hour	Minimum Seconds/ Gallon	Combat Factor
Ships under 13,499	0	30	120	1 point
13,500 to 24,999	1	45	80	2 points
25,000 to 34,999	2	60	60	3 points
35,000 to 47,999	3	75	48	4 points
48,000 to 64,999	4	90	40	5 points
Ships over 65,000	5	105	34.29	6 points

Cargo ships < 25,000 tons use a Category 0 Pump. All others (\geq 25,000 tons) use a Cat 1.

TABLE 3- GUN CALIBER SIZES AND RATES OF FIRE

Prototype Gun Size	Maximum Ball Size	Maximum Rate of Fire	Combat Factor
3.0" to 6.99" (76mm to 179mm)	.177"diameter (BB)	2 seconds	1 point
7.0" to 10.9" (180mm to 279mm)	3/16" diameter	4 seconds	2 points
11.0" to 14.99" (280mm to 379mm)	7/32"diameter	6 seconds	3 points
15.0" and larger (380mm and larger)	1/4"diameter	8 seconds	4 points
Torpedoes	1/4" diameter	30 seconds	1 point (non-reloading) 2 points (reloading)

TABLE 4 - STANDARD CARGO CAPACITIES

Prototype Ship's Displacement (tonnes)	Combat Factor	Cargo Points
Under 10,000	0 points	125
10,000 to 19,999	1 point	250
20,000 to 39,999	2 points	500
40,000 or above	3 points	1,000

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TABLE 5 - SPEED CHART

Prototype Ship's Maximum Speed (kts)	Model's Minimum Time/100' (secs)
22	51.1
23	48.9
24	46.9
25	45.0
26	43.3
27	41.7
28	40.2
29	38.8
30	37.5
31	36.3
32	35.2
33	34.1
34	33.1
35	32.1
36	31.3
37	30.4
38	29.6
39	28.9
40	28.1
41	27.4
42	26.8
43	26.2
44	25.6
45	25.0
46	24.5
47	24.0
48	23.4
49	23.0
50	22.5

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