

# MSS VP Formulas

Ref: **GQ 3.3** rule Section 1.18.5

Rev G

## Empty Hull Value:

AC • AE • AK • AO • AP    GRT x .75/4000 tons = VP  
 AKA • APA    GRT x .75/3000 tons = VP  
 AF    GRT x .75/3000 tons = VP

*Round to nearest ¼ VP*

[reduced factor reflects assault handling equipment and landing craft]  
 [reduced factor reflects added insulation and refrigeration plant]

## Cargo Value:

### a) Determine equivalent "holds" and round to nearest whole number

Mixed Cargo    NRT/1000 tons = Equivalent Holds  
 POL & Liquid Cargo    NRT/1000 tons = Equivalent Tank Spaces  
 Troops    Troops/400 = Equivalent Troop Spaces

[Use GRT x .6 when NRT not available]

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### b) Multiple "holds" and spaces by cargo type value

	Equivalent		Cargo value	
Mixed Cargo	Holds			
POL & Liquid Cargo	Tank Spaces	x	0.50	= VP(s)
Troops	Troop Spaces	x	0.25	= VP(s)
Explosives	Holds	x	0.50	= VP(s)

[Artillery, coal, food, raw materials, military/civilian supplies and vehicles]

[Petroleum-Oil-Lubricant (diesel, gas, oil, grease) and other liquid cargos]

[Berthing for approximately 400 troops per troop space]

[Ammunition, bombs, explosives, flares, mines, rockets and torpedoes]

### c) Cargo VPs + Troop Vps = Total Cargo VPs

*Round to nearest ¼ VP*

**Loaded Ship Value: Empty Hull Value + Total Cargo Value**

## Special Cargo Value:

*Increase the standard cargo values to reflect special regional and tactical conditions as required when setting-up scenarios:*

a) **Urgent**    Double standard cargo VPs

[High value cargo urgently needed to meet regional logistics requirements]

b) **Critical**    Triple standard cargo VPs

[Military cargo critical to sustaining the tactical situation in succeeding days]

c) **AvGas**    1 VP per Hold

[Aviation gas needed for an airbase under siege to continue air operations]

## AMCs:

a) **Empty Hull Value**    GRT x .75/4000 tons = VP    *Round to nearest ¼ VP*

### b) Broadside Value

(not total armament)

4" - 5"	x	0.125	= VP(s)
5.5" +	x	0.25	= VP(s)
Torpedo Tubes	x	0.25	= VP(s)

c) **Raider Factor**    1 VP *Kriegsmarine*    ½ VP *IJN*

d) **Total**    Empty Hull Value + Broadside Value + Raider Factor *(if applicable)*

# GQ III Hull Boxes

Rev 7

## WW II

	3	4	5	6	7	8	9	Hull Boxes
BA - BC			25 - 28,000	29 - 33,000	34 - 40,000	41 - 48,000	50,000 +	tons
CA - CS		2 - 2,900	3 - 4,500	4,600 - 7,000	8 - 11,000	12 - 16,000	17,000 +	tons
CV - CVE		SC	8 - 12,000	13 - 19,000	20 - 29,000	30 - 44,000	45,000 +	tons
DD - TB	360 - 390	400 - 500	600 - 1,000	1,100 - 1,500	1,600 - 2,000	2,100 - 2,600	2,700 +	tons
Submarine	200 - 300	300 - 490	500 - 750	750 - 1,000	1,100 - 1,800	1,900 - 2,700	2,800 +	tons

reduce if built on merchant or WW I hull

Based on Standard Displacement

## WW I

	3	4	5	6	7	8	9	Hull Boxes
BA - BD			12 - 15,000	16 - 21,000	22 - 30,000	31 - 39,000	40,000 +	tons
B*		9 - 10,000	11 - 13,000	14 - 18,000	19 - 24,000	25,000 +		tons
CA	3 - 6,000	7 - 10,000	11 - 13,000	14 - 16,000	17 - 20,000	21 - 25,000	26,000 +	tons
CL - CS		2 - 2,900	3 - 4,500	4,600 - 7,000	8 - 11,000	12 - 16,000	17,000 +	tons
DD - TB			600 - 1,000	1,100 - 1,600	1,700 - 2,100	2,100 - 2,600	2,700 +	tons
Submarine	200 - 300	300 - 490	500 - 750	750 - 1,000	1,100 - 1,800	1,900 - 2,500	2,600 +	tons

Based on Standard Displacement

## Merchant Ships

	3	4	5	6	7	8	9	10	Hull Boxes
AC • AE • AF • AK • AP • AV	500 - 900	1 - 3,000	4 - 6,000	7 - 9,000	10 - 15,000	16 - 25,000	26,000 +	51,000 +	tons
AO • AG	1,000	2,000	3 - 4,000	5 - 6,000	7 - 9,000	10 - 15,000	16 - 25,000	26,000 +	

Based on Gross Registered Tonnage (GRT)

## Airship Gas Cells

	Kite balloon	SS blimp	C Blimp	USN K class	USN M class				
Blimps									
Dirigibles						Shenandoah	Los Angeles	Akron • Macon	
Zeppelins					L 3	L 7	Type P	Type Q - V	Type X Hindenberg