

# Australia

## RAN

- 3 x Hobart DDG
- 8 x ANZAC FFG
- 6 x Minehunter Coastal
- 6 x Collins SS
- 2 x LHD
- 1 x LSD

Total amphibious lift can carry 1 Battalion, typically 2nd Battalion, Royal Australian Regiment

## RAAF

- No. 1 Squadron – Boeing F/A-18F Super Hornet (Multi-Role Fighter)
- No. 3 Squadron – Lockheed-Martin F-35A Lightning (Multi-Role Fighter)
- No. 75 Squadron – McDonnell Douglas F/A-18A Hornet (Multi-Role Fighter)
- No. 77 Squadron – Lockheed-Martin F-35A Lightning (Multi-Role Fighter)
- No. 2 OCU – Lockheed-Martin F-35A Lightning (Multi-Role Fighter)

Combat Aircraft Breakdown

- 49 x F/A-18A
- 23 x F/A-18F
- 23 x F-35A

## Army

- 1st Division
  - 1<sup>st</sup> Div. is expeditionary, so when large forces are deployed abroad, they are subordinated to 1<sup>st</sup> Div.
  - Headquarters, 1st Division
  - Amphibious Task Group (Brisbane)
    - 2nd Battalion, Royal Australian Regiment (amphibious infantry)
- 7 Mech Infantry Brigades – Various Locations
  - Combat Arms: 2 Mechanized Infantry Regiments, 1 Motorized Infantry Regiment.
  - Support Arms: HQ, Artillery Regiment, Combat Engineer Regiment, Signal Regiment, Combat Service Support Battalion
- 2 Combat Support Brigade – New South Wales
  - HQ, Intelligence Battalion, MP Battalion, Engineer Support Regiment, Signal Regiment, 2 Artillery Regiments
- 17th Sustainment Brigade - Dispersed
  - HQ, Signal Squadron, 3 Force Support Battalions, 3 Health Battalions
- 5 light batteries of artillery and a handful of additional regiments
- Special Operations Command – New South Wales
  - Special Air Service Regiment
  - 1st Commando Regiment

- 2nd Commando Regiment
- Special Operations Engineer Regiment
- Special Operations Logistics Squadron
- 16th Aviation Brigade - Dispersed
  - 1st Aviation Regiment (Tiger ARH helicopters)
  - 5th Aviation Regiment (MRH 90 Taipan and Chinook helicopters)
  - 6th Aviation Regiment (MRH 90 Taipan helicopters)

# New Zealand

## Navy

- 2 x ANZAC Class Frigate
- 2 x Offshore Patrol Vessel
- 1 x Sustainment Vessel
- 1 x Multi-role Vessel (can lift 400 troops along with vehicles)
- 2 x Inshore Patrol Vessels

## Air Force

### Organization

- No. 3 Squadron (NH90, AW109) - RNZAF Base Ohakea
- No. 5 Squadron (Lockheed P-3K2 Orion) - RNZAF Base Auckland
- No. 6 Squadron (Kaman SH-2G(I) Super Seasprite) - RNZAF Base Auckland
- No. 40 Squadron (Lockheed C-130H(NZ) Hercules, Boeing 757-2K2 Combi) - RNZAF Base Auckland
- No. 42 Squadron (Beechcraft Super King Air 350) - RNZAF Base Ohakea

### Aircraft

- Aircraft
  - 5 x P-3K Maritime Patrol Aircraft
  - 2 x 757 Transport Aircraft
  - 5 x C-120H
- Helicopters
  - 5 x AW-109
  - 8 x NH-90
  - 9 x SH-2G

## Army

- 1st (NZ) Brigade
  - 1st Battalion, Royal New Zealand Infantry Regiment
  - 2nd/1st Battalion, Royal New Zealand Infantry Regiment
  - 2/4 Battalion, Royal New Zealand Infantry Regiment\*
  - 3/6 Battalion, Royal New Zealand Infantry Regiment\*
  - 5/7 Battalion, Royal New Zealand Infantry Regiment\*
  - Queen Alexandra's Mounted Rifles
  - 16th Field Regiment
  - 2nd Engineer Regiment
  - 1st Command Support Regiment
  - 2nd Combat Service Support Battalion
  - 3rd Combat Service Support Battalion
- Special Operations Component Command
  - 1st New Zealand Special Air Service Regiment
- \*Reserves
  - 2/4 Battalion, Royal New Zealand Infantry Regiment
  - 3/6 Battalion, Royal New Zealand Infantry Regiment
  - 5/7 Battalion, Royal New Zealand Infantry Regiment

# UK

## Forces in Theater

- 2 x Offshore Patrol Vessel
- British Forces Brunei
  - Headquarters BFB
  - 2nd Battalion, the Royal Gurkha Rifles
  - 7 Flight Army Air Corps (Bell 212 helicopter)

## Reinforcements

- Queen Elizabeth Carrier Task Force
  - 1 x Queen Elizabeth Class Carrier
    - 2 x F-35B Squadrons
  - 1 x Albion class LPD
    - 1 x Royal Marine Battalion
  - 1 x Bay class LSD
  - 2 x Type 45 Destroyer
  - 3 x Type 23 Frigates
  - Astute Class Submarine
- Various elements can be activated and moved to Brunai to link up with units to form an Infantry Brigade.
- Expeditionary Air Wings (UK Bases)
  - No. 121 Expeditionary Air Wing (RAF Coningsby) – multi-role operations
  - No. 135 Expeditionary Air Wing (RAF Leeming) – fighter operations
  - No. 138 Expeditionary Air Wing (RAF Marham) – fighter operations
  - No. 140 Expeditionary Air Wing (RAF Lossiemouth) – fighter operations

# France

## In Theater

- Nothing suitable for high intensity combat.

## Reinforcements

- Navy
  - Charles de Gaulle CSG
    - 2 x Rafael Squadron (4<sup>th</sup> Gen Multirole)
    - Screen of Various
  - 1 x Rubis Class (Modern Nuke Sub)
  - 1 x ESG
    - Centred on Mistral class
      - 1 x Troupes de Marine Brigade
    - Screen of Various
- Air
  - 1 Mirage 200-5F Squadron (4<sup>th</sup> Gen Multirole)
  - 1 Mirage 2000D Squadron (3<sup>rd</sup> Gen Tac Bomber)
  - 2 Rafael Squadron (4<sup>th</sup> Gen Multirole)
- Army
  - Scratch Pacific Mech Brigade
    - 2e RPIMa Redgiment
    - 5<sup>th</sup> Redgiment of Curriassar
    - 5<sup>th</sup> Redgiment Oute Mer
  - 11<sup>th</sup> Airborne Brigade
  - 27<sup>th</sup> Mountain Brigade
  - 9th Marine Infantry Brigade

# Canada

## Army (Ready Forces)

- 3 Mechanized Brigade Groups (5<sup>th</sup> CMBG, 1<sup>st</sup> CMBG, and 2<sup>nd</sup> CMBG)
  - three infantry battalions (two mechanized, one light),
  - an armoured regiment
  - an artillery regiment
  - a combat engineer regiment
  - a reconnaissance squadron
  - appropriate combat support, communications, medical and service support units
- Given the amount of airlift available, staging this into theater would be difficult with the heavy equipment. A scratch Light Infantry Brigade might more easily be formed by taking the three light infantry battalions plus supporting equipment.

## Navy

- MARPAC
  - Frigates (Halifax Class)
    - HMCS Vancouver (FFH 331)
    - HMCS Regina (FFH 334)
    - HMCS Calgary (FFH 335)
    - HMCS Winnipeg (FFH 338)
    - HMCS Ottawa (FFH 341)
  - Coastal defence vessels (Kingston Class)
    - HMCS Nanaimo (MM 702)
    - HMCS Edmonton (MM 703)
    - HMCS Whitehorse (MM 705)
    - HMCS Yellowknife (MM 706)
    - HMCS Saskatoon (MM 709)
    - HMCS Brandon (MM 710)
  - Submarines
    - HMCS Victoria (SSK 876)
    - HMCS Corner Brook (SSK 878)
    - HMCS Chicoutimi (SSK 879)
- MARALNT (possibly some units would be deployed to assist)
  - A Fleet of 15 Her Majesty's Canadian Ships:
    - 7 Multi-Role Patrol Frigates
    - 6 Maritime Coastal Defence Vessels
    - 2 Long Range Patrol Submarines

## Air Force (Expeditionary Elements Only)

- 425 Tactical Fighter Squadron (CF-188 Hornet)
- 433 Tactical Fighter Squadron (CF-188 Hornet)
- 401 Tactical Fighter Squadron (CF-188 Hornet)
- 409 Tactical Fighter Squadron (CF-188 Hornet)

# China

## **Force Quality**

### **Overall Force Quality**

In recent years the PLA has instituted several to increase the quality of their personnel, which, while in early days seem to be making progress. The shift in 2021 to twice a year intake of conscripts, rather than once a year will likely improve the manning and quality of units, given that it works better with the training schedule the PLA uses (from 50% of conscripts being minimal qualified, to 75% year-round). Chinese units with large numbers of conscripts have visibility improved readiness as a result. It also allows for better recruitment of college students, however the twice a year cycle may be creating some problem some issues within the force of seniority between different sets of conscripts leading to bullying. Their remain issues with the quality of the NCO Corps, of which the PLA is aware. In 2022, new moves have been made to increase the quality of the NCO corps by clarifying roles and providing promotion pathways as well as providing better mechanisms to manage the NCO's leaving the service. While it is early to make predictions on changes that will take many years to pan out, the overall trends thus far look encouraging.

### **Amphibious Units**

PLAA Amphibious Brigades appear to be capable amphibious operators, having gained skills over the past 5 years after their 2017 reorganization to the point of publicly conducting multibrigade exercises. The 1<sup>st</sup> and 2<sup>nd</sup> PLANMC Brigades have been and continue to be well trained in amphibious operations, and the 6<sup>th</sup> appears to also be competent. The quality of other brigades is unknown, and the 4<sup>th</sup> and 5<sup>th</sup> brigades have not been publicly observed conducting amphibious training.

There is also a complete lack of oppositional training against a proper OPFOR for PLAA Amphib Brigades, this also appears to be a problem for PLANMC Brigades as well. Chinese sources often note that a lack of capability to conduct joint operations is a problem that is being worked on. These problems are compounded by the fact that both the PLAA Amphib Brigades and PLANMC Brigades utilized 2 year conscripts meaning that long term knowledge is not kept. “[T]he PLA will likely need several more years before it is comfortable executing larger training events with multiple amphibious brigades landing simultaneously. Although recent smaller scale exercises utilized joint capabilities, with PLAN vessels delivering PLAA landing forces and PLAAF aircraft providing fire support, the limited scale is not representative of the realistic requirements expected during a joint island landing campaign.” In addition PLAA Amphibious Brigades and PLANMC Brigades may lack the ability to easily call for helicopter support.

### **Airborne Units**

Training is generally battalion level, with a few at brigade level. Airborne training often occurs at night, and units have trained against heavier blue forces. It is unclear if any joint training has been done with other serves to any significant degree. The airborne lack capability to conduct joint operations, namely no known training in: providing air cover to transport aircraft, practicing with fixed wing close air support for airborne troops, and in practicing with supporting fires from Army, Navy, or Rocket Force. For a full scale assault the airborne corps “does not appear to train to execute a multibrigade deployment.”

## **SOF**

SOF train at small unit levels regularly in a variety of circumstances and with a variety of simulated missions and to practice different skills. They also practice in larger drills as part of combined arms training, with examples of SOF operations at battalion level. Several areas of deficiency are noted:

- Questions on the quality of special mission equipment available to SOF, though this is difficult to assertation the extent of problems or if they have already been remedied.
- Lack of technical resonance training, meaning that “SOF officers and personnel have comparatively weak ability to obtain and handle intelligence” (for example vehicle recognition, and lack of training with small drones).
- SOF units do not appear to train for psychological or unconventional war (training is focused on direct action).
- SOF units from different services also do not appear to train together regularly, and several SOF forces exist outside the normal chain of command, though moves to increase training appear to be happening.
- Lack of permanent joint command structure for SOF below the theater level. It appears that lower levels moves are being made to remedy this at the moment.

## **PLAN**

North Theater Navy. Headquartered in Qingdao - responsible for the Bo Hai, Yellow Sea, and northern portion of the East China Sea. It falls under the PLA Northern Theater Command.

- Surface fleet
  - 1 x Carrier
  - 11 x Destroyers
  - 12 x Frigate
  - 12 x Corvettes
  - 15 x Missile Patrol Craft
- Subsurface fleet
  - 4 x SSN
  - 14 x SS (14 modern Type 39)
- Amphibious fleet
  - 2 x tank landing ships
  - 3 x medium landing ships
- Air Assets
  - 2nd Aviation Division - Y-8 and Y-9 Transport aircraft
  - 5th Aviation Brigade - Probably 1 regiment of JH-7 attack-bombers and a second regiment of J-8 interceptors
- PLANMC Assets
  - 5<sup>th</sup> Marine Brigade, 6<sup>th</sup> Marine Brigade

East Theater Navy. Headquartered in Ningbo - covers the majority of the East China Sea and the Taiwan Strait. It falls under the PLA Eastern Theater Command,

- Surface fleet
  - 13 x Destroyers
  - 23 x Frigate



- 24 x Corvettes
- 38 x Missile Patrol Craft
- Subsurface fleet
  - 18 x SS (11 modern Type 39, 2 old 636, 5 unknown)
- Amphibious fleet
  - 3 x Amphibious Transport Docs
  - 16 x Tank Landing Ships
  - 5 x Medium Landing Ships
- Air Assets
  - 4th Aviation Brigade (PLAN) - J-10, Su-30 (2019)
  - 6th Aviation Brigade (PLAN) - JH-7 Fighter-Bomber (2019)
- PLANMC Assets
  - 3<sup>rd</sup> Marine Brigade (in Jinjiang, Fujian), 4<sup>th</sup> Marine Brigade (in Jieyang, Guangdong)

South Theater Navy. Headquartered in Zhanjiang - responsible for the South China Sea. It falls under the PLA Southern Theater Command.

- Surface fleet
  - 1 x Aircraft Carrier
  - 10 x Destroyers
  - 14 x Frigate
  - 20 x Corvettes
  - 14 x Missile Patrol Craft
- Subsurface fleet
  - 2 x SSN
  - 6 x SSBN
  - 14 x SS (2 old Pr. 636, 7 old Type 35, 4 modern Type 39, 1 unknown)
- Amphibious fleet
  - 5 x Amphibious Transport Docs
  - 10 x Tank Landing Ships
  - 8 x Medium Landing Ships
- Air Assets
  - Unknown Air Brigade - J-11 and J-7 fighters (2019)
  - Unknown Air Brigade - J-11 fighters (2019)
  - Unknown Regiment - H-6 bombers
- PLANMC Assets
  - 1<sup>st</sup> Marine Brigade, 2<sup>nd</sup> Marine Brigade

Marine Brigades

- 8 total, 5 deployed in Eastern or Southern theaters

Mine Warfare and Countermeasure

- 38 Ships

## **PLAAF**

Total Aircraft Overview (Includes non-frontline aircraft, training aircraft, etc.)

- 5th Gen - 150? (only some part are operational and non-prototype or testing airframes) - 3 Aviation Brigades are equipped with J-20s.
- 4th Gen - 900
- 3rd Gen Fighters/Attack Aircraft - 900, (attack aircraft are of poor quality)
- Bombers
  - 4 x H-6K Regiments (can carry 6 x LACM per plane) – 22<sup>nd</sup>, 24<sup>th</sup>, 28<sup>th</sup> Air Regiments, plus elements of 107<sup>th</sup> and 108<sup>th</sup>
  - 1 x H-6H Regiment – 29<sup>th</sup> Air Regiment, plus elements of 107<sup>th</sup>
  - 2 x H-6M Regiments – 30<sup>th</sup> Air Regiment, plus elements of 107<sup>th</sup> and 108<sup>th</sup>
  - 1 x H-6N Regiment (H-6K variant, can carry ALBM externally (including 1 x Nuclear ALBM at a time, and can be refueled in air) – 108<sup>th</sup> Air Brigade
  - 1 x H-6U Regiment (Tankers) - 23<sup>rd</sup> Air Regiment
- Fighter Trainers - 1,200
- Transport - 400
- Special Mission Aircraft - 150

### Combat Aircraft Breakdown

- J-7 – 388 (3<sup>rd</sup> Gen Multirole)
- J-8 – 96 (3<sup>rd</sup> Gen Multirole)
- J-10 – 235 (4<sup>th</sup> Gen Fighter, J-10C is 4.5)
- J-11/16/Su-27/30/35 – 315 (4<sup>th</sup> Gen Fighter, J-16 and Su-30/35 are 4.5)
- J-20 – 150 (5<sup>th</sup> Gen Fighter) - only are operational (eg. non-prototype or testing airframes)
- JH-7 – 140 (4<sup>th</sup> Gen Bomber w/ AShM capability)
- Q-5 – 118 (3<sup>rd</sup> Gen Bomber)

### Airborne Brigades

3 light motorized, 2 mechanized, and 1 air assault. 1 special operations brigade. 1 transport brigade. All deployed in eastern or southern theaters.

#### Breakdown

Light Motorized: 127<sup>th</sup>, 128<sup>th</sup>, 131<sup>st</sup>

Mech: 133<sup>rd</sup>, 134<sup>th</sup>.

Air Assault: 130<sup>th</sup>

## **PLARF**

Only one missile brigade is located in the far west China, and is likely a DF-21 brigade. As such all missiles would be available for use in a Taiwan scenario.

## Conventional Weapons

(Dual Use indicates the weapon can have nuclear or conventional warheads)

System	Range (mi)	Type	Missiles	Launchers	Payload (lbs)	Notes
CJ-10 or HN-2 (Previously DH-10)	1369	Conventional, AShM	300	54	1100	Tomahawk Equivalent, Air Launched conventional and AShM available
DF-11/CSS-7	370	Dual Use	500	200	1400	
DF-11A	373	Dual Use, AShM, Bunker Buster	100	20	1,100	
DF-12	250	HE, Bunker Buster, AShM	?	?	480	AShM variant is the M20B, has BMD countermeasures, MaRV?
DF-15B	495	Dual Use, Bunker Buster	425	81	1100	Assuming all DF-15's are B's even though that's not true.
DF-16	621	Dual Use	30	12	2200	
DF-17	1400	Dual Use, AShM	16	16	?	Hypersonic, AShM in Development, at least 16 in service
DF-21A/E	1554	Dual Use	40	80	1320	Nukes. Range is for type A
DF-21C	1087	Dual Use	75*	26*	1320	
DF-21D	1243	Dual Use, AShM	75*	18*	1320	Carrier Killer w/ MaRV
DF-26	2486	Dual Use, AShM	100ish	48	?	"Guam Killer"

\* These numbers are probably slightly low as there are total 60 launchers and 200+ missiles.

## Coastal Defense Missiles

YJ-12 and YJ-62 missiles are in service with coastal defense units on with ground-based launchers.

YJ-12 AShM (with land attack ability) (250–400 km range, supersonic sea skimming), but I have no information on how many units, how many were produced, and where units are located (other than some in the Spratly islands).

YJ-62 (150-250 nautical mile range, subsonic sea skimming) is also in service but again I have no information on how many units, how many were produced, and where units are located.

## Nuclear Weapons

Note heavy overlap of missile types with the above table.

Land Based Ballistic Missiles						
Type	# Of Launchers	Year Deployed	Range (km)	Warheads x yield (kilotons)	# of Warheads	Notes
DF-4	6	1980	5,500 km	1 x 3,300	6	Probably in process of retirement if not already retired
DF-5A	10*	1981	12,000 km	1 x 4,000-5,000	10	

DF-5B	10*	2015	13,000 km	5x 200-300	50	Total missiles 18 (or likely 1:1 with number of launchers)
DF-5C	?*	-2020	13,000 km	? x MIRV	?	
DF-15	20?	1990	600 km	1 x Unknown	?	Not yet operational. In 1993 CIA stated that warhead had been developed but unknown if deployed
DF-17	18	-2021	1,800+ km	1 x HGV	?	
DF-21A/E	40	2000, 2016	2,100+ km	1 x 200-300	40	
DF-26	100	2016	4,000 km	1 x 200-300	20	
DF-31	6 or 56-70	2006	7,200 km	1 x 200-300	6 or 32+	
DF-31A	36	2007	11,200 km	1 x 200-300	36	
DF-31AG	36	2018	11,200 km	1 x 200-300	36	Not yet operational
DF-41	-18	-2021	12,000 km	(3 x 200-300)	54	
<b>Submarine-Launched Ballistic Missiles</b>						
Type	# Of Launchers	Year Deployed	Range (km)	Warheads x yield (kilotons)	# of Warheads	Notes
JL-2	4/48	2016	7,000+	1 x 200-300	48	JL-2
	2/24	-2021	7,000+	2 x 200-300	-24	
<b>Aircraft Delivered Nuclear Weapons</b>						
Type	# Of Launchers	Year Deployed	Range (km)	Warheads x yield (kilotons)	# of Warheads	Notes
H-6	20	1965/2009	3,100+	1 x bomb	20	
				(1 x ALBM)	na	

\* It seems that the total number of launchers is around 20, but it's its unknow which missiles/reloads exactly are given to which launchers

## **PLAA**

Force	China Total	Eastern + Southern Theaters
Combined Arms Brigades	78	24 (30 total - 6 amphib)
Amphibious Combined Arms Brigades	6	6*
Army Aviation Brigades	13	4
Air Assault	2	1
Artillery Brigades	15	5
Airborne Brigades	7 (under control of PLAAF)	7
Marine Brigades	8 (under control of PLANMC)	5

\* 2 in Hangzhou, Zhejiang, 2 in Zhangzhou, Fujian, 1 in Buluo, Guangdong, 1 in Bao'an, Guangdong.

## **Coast Guard and Maritime Militia**

Coast Guard Ships – 223

Breakdown:

- 130 large patrol ships
  - Many of the fleet's large patrol ships are well-armed and capable of conducting operations in distant waters
- 70+ fast patrol combatants
- 400+ coastal patrol craft
- Approximately 1,000 inshore and riverine vessels

Maritime Militia

- Unknown number of fishing and small ships
- Larger ships - 5,000 ships organized into 89 militia transportation units, 53 waterway engineering units, and 143 units with other specializations

Civilian Car Ferries

- RORO ferries ~750,000 displacement tonnes
  - w/ Hong Kong's ferries added +370,000 RORO displacement tonnes
- Vehicle carriers ~425,000 tonnes

## **SCS Bases**

All are equipped with anti-ship and anti-aircraft missile systems and offensive and defensive EW equipment

*The following are southern SCS bases.*

### **Fiery Cross Reef**

Infrastructure: “Research station”, aviation facilities (fixed wing and helipad), large port facilities, radar installations, fixed weapons positions, barracks, administration buildings, and communications facilities.

Known Deployments: PLA deployed KJ-200 anti-submarine warfare and KJ-500 airborne early warning aircraft to Fiery Cross Reef.

Airfield Capacity: 8,800 ft runway (can land transport aircraft), 24 aircraft

### **Cuarteron Reef**

Infrastructure: administrative buildings, weapons stations (fixed guns), helipad, small harbor, and radar installations

### **Subi Reef**

Infrastructure: “Research station”, aviation facilities (fixed wing and helipad), large port facilities, radar installations, fixed weapons positions, barracks, administration buildings, and communications facilities.

Airfield Capacity: 8,800 ft runway (can land transport aircraft), 24 aircraft

**Gaven Reef**

Infrastructure: administrative buildings, weapons stations (fixed guns), helipad, small harbor, and radar installations

**Hughes Reef**

Infrastructure: administrative buildings, weapons stations (fixed guns), helipad, small harbor, and radar installations

**Johnson Reef**

Infrastructure: administrative buildings, weapons stations (fixed guns), helipad, small harbor, and radar installations

**Mischief Reef**

Infrastructure: Aviation facilities (fixed wing and helipad), large port facilities, radar installations, fixed weapons positions, barracks, administration buildings, and communications facilities.

Airfield Capacity: 8,800 ft runway (can land transport aircraft), 24 aircraft

*The following are northern SCS bases.*

**Duncan Island**

Infrastructure: helipad, large port, radar installation

**Money Island**

Infrastructure: helipad, small port, radar installation

**Tree Island**

Infrastructure: helipad, large port, radar installation

**Triton Island**

Infrastructure: helipad, small port, radar installation

**Lincoln Island**

Infrastructure: small port, radar installation

**Woody Island**

Infrastructure: airfield (long enough to land long range bombers on), helipad, large port, radar installation

# Taiwan

## Force Quality

### *The Army*

It appears that operational strength of front line units is much less than on paper, and that would be severely understaffed for wartime (between 10% to 40% undermanned). Furthermore, the army has a “military training culture that limits live-fire training activities”.

Conscripts are given lackluster 4-month training, with little soldier skills taught. No “basics the People’s Liberation Army ... invasion scenarios ... Map reading and navigation with a compass”, no basic medical skills, insufficient firearms training and no inclusion in exercises. This means that C level units (reservists) seem to lack proper supply, training, and command and control, and are general regarded as of poor quality. It is unknown how much of this could be overcome by morale (if applicable) and the serious effort with the shadow of an invasion overhead. While the Russia-Ukraine war shows that even relatively untrained troops with high morale, mission command, and the right weapons might still have effects on the battlefield, even when lacking much training, it’s unclear how much this would be applicable to Taiwan.

Under the Gu’an Operational Plan (the Taiwanese playbook for preparations against the Chinese), reservist should be recalled and trained, but it unclear how long this would take and how much benefit it would bring. This is also absent larger structural problems with the reserve force: it “has only 60 percent of the NCOs it needs, and just 40 percent of the officers it requires”

### *The Air Force*

It appears that the ROCAF is a trained, competent force trained to western standards. For example F-16 Pilots are trained to US standards and train with the US, mostly through the 21<sup>st</sup> Fighter Squadron at Luke AFB. However, the increase in the number of scrambled from crossing the median line post 2020 is wearing on the ROCAF.

## Army

- 6<sup>th</sup> Field Army - Zhongli, Taoyuan
  - 269<sup>th</sup> Mechanized Infantry Brigade
  - 542<sup>nd</sup> Armored Brigade
  - 584<sup>th</sup> Armored Brigade
  - 21<sup>st</sup> Artillery Command
  - 33<sup>rd</sup> Chemical Group
  - 53rd Engineering Group
  - 153rd Infantry Brigade
  - 206th Infantry Brigade
  - Guandu Defense Command
  - Lanyang Defense Command
- 10th Field Army
  - 586th Armored Brigade
  - 234th Mechanized Infantry Brigade
  - 58th Artillery Group
  - 626th Artillery Group
  - 52nd Engineering Coy

- 36th Chemical Group
- 74th Signals Group
- 302nd Infantry Brigade
- 104th Infantry Brigade
- 257th Infantry Brigade
- 8th Field Army
  - 333rd Mechanized Infantry Brigade
  - 564th Armored Brigade
  - 43rd Artillery Command
  - 624th Group
  - 54th Engineering Group
  - 39th Chemical Group
  - 203rd Infantry Brigade
- Island Defense Units
  - Huatung Defense Command
  - Hualien Defense Team
  - Taitung Defense Team
  - Penghu Defense Command
  - Kinmen Defense Command
  - Kinmen Defense Team
  - Lieyu Defense Team
  - Matsu Defense Command
  - Nangan Defense Team
  - Beigan Defense Team
  - Juguan Defense Team
  - Dongyin Defense Command
- Other Units
  - Special Service Company (Tier 1 Special Forces Unit)
  - Tactical Reconnaissance Group
    - 32 Chung Shyang II UAV
  - 601<sup>st</sup> Air Cavalry Brigade
  - 602<sup>nd</sup> Air Cavalry Brigade
  - Army Special Operations Command
    - 5 x SF Battalion's
  - 202<sup>nd</sup> Military Police Command
    - Brigade element for protecting various import locations and the president in Taipei
- Army Reserves - In order of ease of activation.
  - A-Level Reserve Units - Infantry brigades heavy manned by permanent troops, able to be quickly supplemented by small numbers of reservists Total – 9 well equipped brigades.
  - B-Level Reserve Units - Brigades are made of active duty personal in the MND's professional military education system.
  - C-Level Reserve Units - Infantry brigades are local reserve units. Comprised of 3 to 5 battalions of infantry and one of field artillery. Total – 22 brigades



- D-Level Reserve Units - reserve units made of soldiers from the mobilization structure itself. Total – 2-3 brigades without artillery.
- C and D level units are of lesser quality in combat than A and B units which are as good as standing forces.

## **Navy**

- Unknown Assignment
  - 1 x LPD
- 124<sup>th</sup> Flotilla – Zuoying
  - 6 x Frigates
- 131<sup>st</sup> Flotilla - Keelung
  - 12 x Missile Patrol Ship (Corvette)
  - 31 x Missile Boat
  - 2 x Corvette
- 146<sup>th</sup> Flotilla - Magong
  - 8 x Frigates
- 151<sup>st</sup> Flotilla - Zuoying
  - 9 x LST
  - 1 x Dock Landing Ship
  - 2 x Support Ships
- 168<sup>th</sup> Flotilla – Su’ao
  - 6 x Frigate
  - 4 x Destroyers
- 192<sup>nd</sup> Flotilla
  - 3 x Minesweepers
  - 4 x Mine Hunters
  - 2 x Coastal Mine Hunters
- 256<sup>th</sup> Squadron
  - 2 x SSK

## **Minelaying Capability**

- 4 x Automatic Minelayers (corvettes)
- ? x Landing Craft (limited to operations in non-rough water)

## **Marine Corps**

- 66<sup>th</sup> Marine Brigade - Guishan District, Taoyuan
  - 2 Mech Infantry, 1 Tank, and 1 M109 Battalions
- 99<sup>th</sup> Marine Brigade
  - 2 Mech Infantry, 1 Tank, and 1 M109 Battalions
- Amphibious Reconnaissance and Patrol Unit
  - 3x Recce Company
  - Marine Special Service Company (Tier 1 Special Forces Unit)
  - Underwater Demolition company
- Wuqiu Garrison Group

- 2x Garrison Company (with towed 155mm and 105mm howitzers), plus ADA detachment of 40mm AA guns

## **Air Force**

### **Survivability**

Initial dispersion to Chiashan and Shizishan mountain bases will be important to survive missile strikes, but both are reliant upon a single runway at each complex. Five highway sites are acknowledged as dispersal sights, and this number may be as high as 8 with unacknowledged sites, but concrete median dividers have to be removed before the highway sites can be used. Civilian airports provide an additional option for basing. Most aircraft shelters are not hardened to today's standards (having been built in the 1970's), but construction of 36 new shelters will be construed at Ching Chuan Kang Air Base from 2022-2027.

After airbases have been hit it is expected that it will take 90 to 120 minutes to fix the runway (though this can be affected by UXO and the amount of damage). Runway repair teams are well trained, practices, and have the appropriate equipment.

Overall as Taiwan is geography close to China and the airbases, mountain complexes, and dispersal airfields are all fixed sites it is unknown how effective attempts to protect the air force from the initial strike and in the long term will be. If Taiwan fails to disperse it's aircraft prior to the initial Chinese strike casualties will likely be large.

### **ORBAT**

- HQ – Taipai
- Tainan Air Base – 1<sup>st</sup> Tactical Fighter Wing
  - 1<sup>st</sup> Tactical Fighter Group – F-CK-1C and F-CK1D (operational conversion unit)
  - 3<sup>rd</sup> Tactical Fighter Group – F-CK-1C and F-CK1D
  - 9<sup>th</sup> Tactical Fighter Group – F-CK-1C and F-CK1D
- Hsinchu Air Base – 2<sup>nd</sup> Tactical Fighter Wing
  - 41<sup>st</sup> Tactical Fighter Group – Mirage 2000-5DI and Mirage 2000-5EI
  - 42<sup>nd</sup> Tactical Fighter Group – Mirage 2000-5DI and Mirage 2000-5EI
  - 48<sup>th</sup> Training Group – Mirage 2000-5DI and Mirage 2000-5EI (operational conversion unit)
- Ching Chuan Kang Air Base – 3<sup>rd</sup> Tactical Fighter Wing
  - 7<sup>th</sup> Tactical Fighter Group – F-CK-1C and F-CK1D
  - 28<sup>th</sup> Tactical Fighter Group – F-CK-1C and F-CK1D
- Chiayi Air Base – 4<sup>th</sup> Tactical Fighter Wing
  - 21<sup>st</sup> Tactical Fighter Group – F-16V
  - 22<sup>nd</sup> Tactical Fighter Group – F-16V
  - 23<sup>rd</sup> Tactical Fighter Group – F-16V
- Hualien Air Base – 5<sup>th</sup> Tactical Composite Wing
  - 12<sup>th</sup> Tactical Reconnaissance Group – RF-5E, F-5F, F-16A Block 20, F-16B Block 20
  - 17<sup>th</sup> Tactical Fighter Group – F-16A Block 20, F-16B Block 20 – Aggressor squadron in training exercises.
  - 26<sup>th</sup> Tactical Fighter Group – F-16A Block 20, F-16B Block 20

- 27<sup>th</sup> Tactical Fighter Group – F-16A Block 20, F-16B Block 20 (OCU)
- Pingtung North Air Base – 6<sup>th</sup> Combined Wing
  - Anti Submarine Warfare Group
    - 33<sup>rd</sup> Squadron – P-3C
    - 34<sup>th</sup> Squadron – P-3C
  - 20<sup>th</sup> Electronic Warfare Group
    - 2<sup>nd</sup> Early Warning Squadron – E-2K – This is made up of 6 total airframes.
- Pingtung South Air Base – 6<sup>th</sup> Combined Air Wing
  - 10<sup>th</sup> Tactical Airlift Group
    - 101<sup>st</sup> Airlift Squadron – C-130H
    - 102<sup>nd</sup> Airlift Squadron – C-130H
  - 20<sup>th</sup> Electronic Warfare Group
    - 6<sup>th</sup> Electronic Warfare Squadron – C-130HE, C-130H
- Chihhang Air Base - 7<sup>th</sup> Flight Training Wing
  - 7<sup>th</sup> Flight Training Group
    - 44<sup>th</sup> Flight Training Squadron – F-5E, F-5F
    - 45<sup>th</sup> Flight Training Squadron – F-5E, F-5F
    - 46<sup>th</sup> Flight Training Squadron – F-5E, F-5F
- Gangshan Air Base – Air Force Academy
  - Air Force Academy Flight Training Command
  - Songshan Air Base Command
    - Special Transport squadron and Presidential Flight Squadron
- Magong Air Base
  - Detachments contributed from 1<sup>st</sup> and 3<sup>rd</sup> TFW.
- Overseas
  - Luke AFB – 56<sup>th</sup> Fighter Wing
    - 21<sup>st</sup> Fighter Squadron
  - Edwards AFB – 412<sup>th</sup> Test Wing
    - 416<sup>th</sup> Flight Test Squadron

## **Coast Guard**

### Coast Guard Ships

- 13 x 1000+ tones
- 21 x ~700 tones
- 3 x 100-300 tones
- 46 x 100 tones
- 161 x Inshore and riverine vessels (100- tones)

4 of these cutters can have Hsiung Feng II fitted very quickly to them for combat roles.

## Missile Inventory

Missile Name			# of Missiles	# of Launchers
Harpoon	AShM		200	?
Hsiung Feng II	ASCM	100 - 120 km	810	Ships
Hsiung Feng IIE	LACM	600 km	500-1000	Trucks
Hsiung Feng III	ASCM (possible LACM)	120 - 150 km	220	Ship, Truck
Tien Chi	SRBM (Submunition Warhead)	120 km	At least 15-50	Silos on Tungyin and Penghu Islands
Wan Chien	ALCM	240 km	~126?	Aircraft
Yun Feng	LACM (bunker buster)	1,200 or 2,000 km (two variants)	20	10

## Missile Production

It's unclear if the June 2022 deadline for upgrades of production was met as one source indicates that the capacity upgrades were planned to be finished by June, but the language from the following article from August would indicate that capacity upgrades were not finished.

<i>Missile</i>	<i>Production Rate</i>	<i>Missiles/Month (from Production Rate)</i>	<i>Production Start Date</i>
Hsiung Feng II + Hsiung Sheng*	81/year (initial) 131/year (post June 2022)	6.75/mo. (initial) 10.9/mo. (post June 2022)	2011 (HF-II) 2021 (HS)
Hsiung Feng III	20/year (initial) 70/year (post June 2022)	1.66/mo. (initial) 5.83/mo. (post June 2022)	Between 2007-2011
Tien Chien II	40/year (initial) 150/year (post June 2022)	3.33/mo. (initial) 12.5/mo. (post June 2022)	Between 1997-2001
Tien-Kung III	48/year (initial), 96/year (post June 2022)	4/mo. (initial), 8/mo. (post June 2022)	?
Wan Chien	18/year (initial), 50/year (post June 2022)	1.5/mo. (initial), 4.16/mo. (post June 2022)	Full production in 2015

\*Joint production line. The Hsiung Sheng is an upgraded version of the HF-IIE.

# Japan

## JMSDF

Escort Flotilla 1 at Yokosuka

- 1 Helicopter Carrier (Izumo, F-35B capable)
- 3 Destroyers

Escort Flotilla 2 at Sasebo

- 1 Helicopter Carrier
- 4 Destroyers

Escort Flotilla 3 at Maizuru

- 1 Helicopter Carrier
- 3 Destroyers

Escort Flotilla 4 at Kure

- 1 Helicopter Carrier (Kaga, F-35B capable)
- 4 Destroyers

11th Escort Squadron

- 3 Destroyers

12th Escort Squadron

- 1 Destroyer
- 2 Destroyer Escort

13th Escort Squadron

- 2 Destroyers
- 1 Destroyer Escort

14th Escort Squadron

- 2 Destroyers
- 1 Destroyer Escort

15th Escort Squadron

- 1 Destroyer
- 2 Destroyer Escort

Submarine Flotilla 1 at Kure

- 10 x SSK

Submarine Flotilla 2 at Yokosuka

- 8 x SSK

Landing Ship Squadron 1 (Kure)

- 3 x LST

## JASDF

- Northern Air Defense Force: Misawa, Aomori
  - 2nd Air Wing - Chitose Air Base
    - 201SQ, F-15J/DJ
    - 203SQ, F-15J/DJ

- 3rd Air Wing - Misawa Air Base
  - 301SQ, F-35A
  - 302SQ, F-35A
- Central Air Defense Force
  - 6th Air Wing - Komatsu Air Base
    - 303SQ, F-15J/DJ
    - 306SQ, F-15J/DJ
  - 7th Air Wing - Hyakuri Air Base
    - 3SQ, F-2A/B
- Western Air Defense Force
  - 5th Air Wing - Nyutabaru Air Base
    - 305SQ, F-15J/DJ
  - 8th Air Wing - Tsuiki Air Base
    - 6SQ, F-2A/B
    - 8SQ, F-2A/B
- Southwestern Air Defense Force: Naha, Okinawa
  - 9th Air Wing - Naha Air Base
    - 204SQ, F-15J/DJ
    - 304SQ, F-15J/DJ
- Airborne Early Warning and Control Wing: Hamamatsu Air Base
  - Flight Warning and Control Group - Hamamatsu Air Base
    - 602SQ, E-767
  - Flight Alert Monitoring Group - Misawa Air Base
    - 601SQ, E-2C/D - Misawa Air Base
    - 603SQ, E-2C/D - Naha Air Base
- Electronic Warfare Squadron Iruma Air Base (EC-1, YS-11EB)
- Electronic Intelligence Squadron Iruma Air Base (YS-11EB)
- Air Rescue Wing
- Detachments: Chitose, Matsushima, Ashiya, Akita, Hyakuri, Nyutabaru, Niigata, Hamamatsu, Naha, Komatsu, Komaki (Training Squadron) (UH-60J, U-125A)
- Helicopter Airlift Squadrons: Iruma (CH-47J (LR)), Kasuga (CH-47J (LR)), Misawa (CH-47J (LR)), Naha (CH-47J (LR))
- Air Support Command: Fuchū Air Base, Tokyo
  - 1st Tactical Airlift Group - Komaki Air Base
    - 401SQ, C-130H, KC-130H
    - 404SQ, KC-767
  - 2nd Tactical Airlift Group - Iruma Air Base
    - 402SQ, C-1, U-4
  - 3rd Tactical Airlift Group - Miho Air Base
    - 403SQ, C-1, C-2
    - 41SQ, T-400

#### Combat Aircraft

- 62 x F-2A
- 155 x F-15J
- 23 x F-35A/B

## **JGSDF**

- Amphibious Rapid Deployment Brigade – Ainoura
  - Brigade HQ
  - 2 x Infantry Regiments
  - Artillery Battalion
  - Reconnaissance Battalion
  - Engineer Battalion
  - Combat Landing Battalion
  - Logistic Support Battalion
  - Signal Company
- 1st Airborne Brigade - Funabashi
  - Brigade Headquarters
  - Quartermaster Company
  - Signal Company
  - 3x Airborne Infantry Battalion (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)
  - Airborne Artillery Battalion
  - Airborne Logistic Support Battalion
  - Engineer Company
- 12<sup>th</sup> Airmobile Brigade - Shintō
  - 1 recce squadron, 3 inf redgiment, 1 aviation sqn, 1 feild arty bn, 1 SAM coy, 1 cbt engr coy, 1 NBC coy, 1 sigs coy, 1 log bn.

## **Japanese Coast Guard**

- Patrol vessels: 121
- Patrol craft: 234

## **Missile Inventory**

<b>Missile Name</b>	<b>Class</b>	<b>Range</b>	<b># of Missiles</b>	<b># of Launchers</b>
Type 88 SSM	AShM	150 km	324 (at least)	54
Type 12 SSM	AShM	200 km	144 (at least)	24 (at least)

# United States

## Navy

### 3<sup>rd</sup> Fleet - Point Loma, CA

- 2 x Zumwalt Class
- CSG 1 – San Diego, CA
  - 1 x CV (USS Carl Vinson)
    - 3 x F/A-18, 1 x F-35 Squadrons
  - 2 x Cruiser
  - 5 x Destroyer
- CSG 3 – San Diego, CA
  - 1 x CV (USS Abraham Lincoln)
    - 3 x F/A-18, 1 x F-35 Squadrons
  - 2 x Cruiser
  - 5 x Destroyer
- CSG 9 - San Diego, CA
  - 1 x CV (USS Theodore Roosevelt)
    - 4 x F/A-18 Squadrons
  - 2 x Cruiser
  - 5 x Destroyer
- CSG 11 – NS Everett, WA
  - 1 x CV (USS Nimitz)
    - 4 x F/A-18 Squadrons
  - 1 x Cruiser
  - 5 x Destroyer
- Surface Squadron 31 – Pearl Harbor, HI
  - 1 x Cruiser
  - 9 x Destroyer
- ESG 3 – San Diego, CA
  - 1 x LHA
  - 4 x LHD
  - 5 x LPD
  - 4 x LSD
- LCSRON - San Diego, CA
  - 13 x LCS
- MCM Squadron – San Diego, CA
  - 3 x CMC Ships
- Submarine Squadron 1 – Pearl Harbor, HI
  - 2 x Los Angeles Class
  - 6 x Virginia Class
- Submarine Squadron 7 – Pearl Harbor, HI
  - 7 x Los Angeles Class
- Submarine Squadron 17 – Kitsap-Bangor, WA
  - 7 x Ohio SSBN
- Submarine Squadron 19 – Kitsap-Bangor, WA
  - 4 x Los Angeles Class



- 2 x Ohio SSGN
- 1 x Ohio SSBN
- Submarine Development Squadron 5 – Kitsap-Bangor, WA
  - 3 x Seawolf Class
- Submarine Squadron 11 – Point Loma, CA
  - 4 x Los Angeles Class

#### 7<sup>th</sup> Fleet - Yokosuka, Japan

- 2 x Submarine Tender (based in Guam)
- CSG 5 – Yokosuka, Japn
  - 1 x CV (USS Ronald Regan)
    - 4 x F/A-18 Squadrons
  - 3 x Cruiser
  - 7 x Destroyer
- ESG 7 – Sasebo, Japan
  - 1 x LCC
  - 1 x LHA
  - 2 x LPD
  - 2 x LSD
- MCM Squadron – Sasebo, Japan
  - 4 x MCM vessels
- Submarine Squadron 15 – Guam
  - 4 x Los Angeles Class

#### **Other Important Information**

Upward Facing Hydrophone Networks - the gaps between the Philippines, the Ryukyu Islands, and Taiwan.

#### **Marine Corps**

- West Coast
  - 11<sup>th</sup>, 13<sup>th</sup>, 15<sup>th</sup> MEU - Camp Pendleton, California
- III MEF
  - 3<sup>rd</sup> Marine Division – Okinawa
    - 3rd Reconnaissance Battalion
    - 12th Marine Regiment (Artillery Unit)
    - 4th Marine Regiment
  - 31<sup>st</sup> MEU – Okinawa
  - 1<sup>st</sup> Marine Aircraft Wing
    - 2 x F-35B squadrons – Iwakuni
- 3rd Marine Littoral Regiment (same size as MEU) - Hawaii

#### **Air Force**

##### **USAF Pacific**

This list includes only offensive units (no support ones).

- 3rd Wing - JB Elmendorf-Richardson, Alaska
  - 1 x F-22A Squadron

- 8th Fighter Wing (FW) Kunsan AB, South Korea
  - 2 x F-16C/D Squadrons (35th and 80th Fighter Squadrons)
- 15th Wing JB Pearl Harbor-Hickam, Hawaii
  - 1 x F-22A Squadron (19th Fighter Squadron)
- 18th Wing Kadena AB, Japan
  - 2 x Squadrons F-15C/D (44th and 67th Fighter Squadrons)
- 35th FW Misawa AB, Japan
  - 2 x F-16C/D Squadrons (13th and 14th Fighter Squadron)
- 51st FW Osan AB, South Korea
  - 1 x A-10C Squadron (25<sup>th</sup> Fighter Squadron)
  - 1 x F-16C/D Squadron (36<sup>th</sup> Fighter Squadron)
- 354th FW Eielson AFB, Alaska
  - 1 x F-35 (355th Fighter Squadron)
  - 1x F-16C/D (356th Fighter Squadron)

### **USAF Air Combat Command**

This list includes only offensive units (no support ones), and leaves out units that are dedicated to a training role.

- 1st Fighter Wing - JB Langley-Eustis, Va.
  - 2 x F-22 squadrons
- 4th Fighter Wing Seymour - Johnson AFB, N.C.
  - 4 x F-15E squadrons (only 2 are expeditionary)
- 20th Fighter Wing Shaw - AFB, S.C.
  - 3 x F-16CM squadrons
- 23rd Wing - Moody AFB, Ga.
  - 2 x A-10C squadrons
- 355th Wing - Davis-Monthan AFB, Ariz.
  - 1 x A-10C Squadron
- 366th Fighter Wing - Mountain Home AFB, Idaho
  - 2 x F-15E Squadrons
- 388th Fighter Wing - Hill AFB, Utah
  - 3 x F-35A Squadrons

Likely USAF bomber allocation

- 1 x wing of B-52 (out of 2 wings)
- 1 x wing of B-1 (out of 2 wings)
- 1 x wing of B-2 (out of 1 wing)

### **Army**

- 8<sup>th</sup> Army – South Korea
  - 2nd Infantry Division
    - Headquarters Battalion
    - 3rd Armored BCT (Rotational Unit)
    - 210 Field Artillery Regiment

- 2nd Combat Aviation Brigade
- I Corps
  - 7th Infantry Division - Washington
    - 1<sup>st</sup> Stryker BCT
    - 2<sup>nd</sup> Stryker BCT
    - 81<sup>st</sup> Stryker BCT
    - Divisional Artillery, 2<sup>nd</sup> Infantry Division
    - 16<sup>th</sup> Combat Aviation Brigade
  - 17th Field Artillery Brigade (HIMARS) - Washington
  - 25th Infantry Division – Hawaii
    - 1st Striker BCT detached to Alaska
    - 2<sup>nd</sup> Infantry BCT
    - 3<sup>rd</sup> Infantry BCT
    - DIVARTY is organic to BCT’s rather than their own command.
    - 25<sup>th</sup> Combat Aviation Brigade
  - United States Army, Japan
    - United States Army Aviation Battalion, Japan
    - 1st Battalion/1st Special Forces Group
  - United States Army, Alaska
    - 1st Striker BCT - Alaska
    - 4th BCT (Airborne) – Alaska
- Immediate Response Force – CONUS
  - 18 hour standby BCT from the 82<sup>nd</sup> Airborne.
  - 18 hour standby Battalion from 75<sup>th</sup> Ranger Regiment.
- NATO High Readiness Units
  - 1<sup>st</sup> Armored BCT/3<sup>rd</sup> Infantry Division (Georgia)
- Other Rapidly Deployable Units
  - 82<sup>nd</sup> Airborne Brigade
    - 3 BCT’s
      - One BCT is part of the Immediate Response Force
      - Two Airborne BCT’s available for deployment
    - One Combat Aviation Brigade
- Additional High Value Capabilities for Deployment
  - 4 x CONUS THADD Battery (total of 7 batteries in inventory, the other three are deployed in Hawaii, South Korea, and Guam)
  - Patriot Batteries - Total 33 CONUS batteries + 27 batteries overseas, not all would be available for use, and not all use PAC-3 (some are still PAC-2).
- Other rapid reaction forces are put together as needed.

### **Missile Inventories**

<b>Weapon</b>	<b>Type</b>	<b># in Inventory</b>	<b>Launch Platform</b>	<b>Notes</b>
JASSM	Air-to-Surface	3000	B-1B, B-52. Externally F-16, F-15E, F/A-18, F-35	200 nm
JASSM-ER	Air-to-Surface	2,000	B1B, Externally F-15E	500 nm
LRASM	AShM	198	Aircraft	

Maritime Strike Tomahawk	AShM	88	Ship	
Naval Strike Missile	AShM	30	Ship	100-300 miles

**Munitions Inventories**

All of the following at current production rates, which could be expanded.

Javelin – 14,000 in stockpile, 2,100 produced a year, heading towards 4,000

PRISM – 110 produced a year

JASSM – 500 produced a year

Tomahawk – 60 produced a year

**Pacific Bases**

**Guam**

Anderson AFB

THADD Battery and Iron Dome Battery

Northwest Field

Can land tankers, THADD

**Wake Island**

Major air facilities and runway can take any aircraft. It is at the extreme end (if not out of IRBM range) from China and is likely inside the outer engagement envelope of GBMD.

**Tinian Island**

Can take fast jets and could be used, but cannot sustain military operations for a long time

**Midway**

**Saipan**

# **Philippines**

## **Navy**

- 2 x LPD
- 2 x Frigates
- 1 x Corvette
- 6 x Offshore Patrol Vessels
- 18 x Missile Boat

## **Air Force**

- 12 x KAI FA-50 Golden Eagle
- 2 x Squadron Light Attack Aircraft
- 1 x Squadron AH-1 Cobra

## **Marine Corps**

- 1st Marine Brigade
- 2nd Marine Brigade
- 3rd Marine Brigade
- 4th Marine Brigade
- 7th Marine Brigade (Reserve)
- Rotating Marine Rifle Battalion
- Field Artillery Battalion
  - 105mm and 155mm howitzers, towed ADA guns
- Assault Armor Battalion
  - IVF's

## **Army**

- 1st Brigade Combat Team (Light/Mech Infantry)
- Large number of conventional forces

## **Coast Guard**

- 3 large patrol ships
- 18 patrol craft
- 36 coastal patrol craft

## **Missile Inventory**

No land based anti-ship missiles or extra missile stores.

# Vietnam

## Navy

- 6 x SSK (Kilo Class)
- 4 x Guided Missile Frigates (Gepard Class)
- 3 x ASW Frigates (Petya-II/-III Class)
- 2 x ASW Corvette (Pohang Class)
- 21 x Missile Boat (Mixed classes)
- 12 x Gunboat
- 5 x Torpedo Boat
- 5 x LST
- 4 x RoRo
- 8 x MCM Ships
- At least two Naval Infantry (Marine) Brigades:
  - 101<sup>st</sup> Naval Infantry Brigade
  - 147<sup>th</sup> Naval Infantry Brigade

## Air Force

### Structure

- 371st Air Force Division
  - 931st Fighter Regiment (Su-22M4/UM3K) - Yên Bái Air Base
  - 921st Fighter Regiment (Su-22M4/UM3K) - Phúc Yên Air Base
  - 923rd Fighter-bomber Regiment (Su-30MK2) - Tho Xuan Airport
  - 927th Fighter Regiment (Su-30MK2) - Kép Air Base
  - 916th Helicopter Regiment (Mi-8/17) - Hòa Lạc Air Base
  - 918th Air Transport Regiment (An-2, An-26, An-30, M-28, C-295M) - Gia Lam Airport
- 372nd Air Force Division
  - 929th Fighter-Bomber Regiment (Su-22M4) - Da Nang International Airport
  - 930th Helicopter Regiment (Mi-8/17) - Da Nang International Airport
  - 940th Fighter/Air Training Regiment (Su-27SK/UBK) - Phu Cat Airport
- 370th Air Force Division
  - 937th Fighter-Bomber Regiment (Su-22M4/UM3K) - Thanh Son Air Base
  - 935th Fighter Regiment (Su-30MK2) - Biên Hòa Air Base
  - 917th Mixed Air Transport Regiment (Mi-8/17) - Tan Son Nhat International Airport
- Vietnam People's Air Force Academy
  - 910th Air Training Regiment (L-39C) - Dong Tac Airport
  - 920nd Air Training Regiment (Unknown Aircraft) - Nha Trang Air Base
- 361st Air Defense Division
- 363rd Air Defense Division
- 365th Air Defense Division
- 375th Air Defense Division
- 377th Air Defense Division
- 367th Air Defense Division

## Combat Aircraft Breakdown

- 34 x Su-22 (3<sup>rd</sup> Gen Fighter-Bomber)
- 46 x Su-27/30 (4<sup>th</sup> Gen Fighter)
- 6 x Medium Cargo Aircraft
- 87 x Mi-8/17
- 25 x L-39/NG (3<sup>rd</sup> Gen Trainer Aircraft, can be converted for light attack)

## Army

- 1<sup>st</sup> Corps Major Units:
  - 308<sup>th</sup> Infantry Division
  - 312<sup>th</sup> Infantry Division
  - 390<sup>th</sup> Infantry Division
- 2<sup>nd</sup> Corps Major Units:
  - 304<sup>th</sup> Infantry Division
  - 306<sup>th</sup> Infantry Division
  - 325<sup>th</sup> Infantry Division
- 3<sup>rd</sup> Corps Major Units:
  - 10<sup>th</sup> Infantry Division
  - 31<sup>st</sup> Infantry Division
  - 320<sup>th</sup> Infantry Division
  - 198<sup>th</sup> Commando Regiment
- 4<sup>th</sup> Corps Major Units:
  - 7<sup>th</sup> Infantry Division
  - 9<sup>th</sup> Infantry Division
  - 324<sup>th</sup> Infantry Division
  - 429<sup>th</sup> Commando Regiment

## Coast Guard

- 9 x 1000+ tons (Cutters, OPV's)
- 16 x 400-600 ton patrol ships
- 32 x 100-200 ton patrol ships
- 50 x High-Speed Patrol boat (glorified speedboats)

## Missile Inventory

Weapon	Platform	Range	Number
Short Range Air-to-Air Missile	Aircraft		3,075
Beyond Visual Range Air-to-Air Missile	Aircraft		320+
Kh-29	Aircraft	30 km	100
Kh-31	Aircraft	110 km (P variant)	100
Kh-59	Aircraft	200 km	200
SUCD (B and C)	TEL		24
Costal Defense Missiles	Shore based Launchers	Varies, 50-750km	~100