

Emerging US warfighting concept in Western Pacific

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Agenda

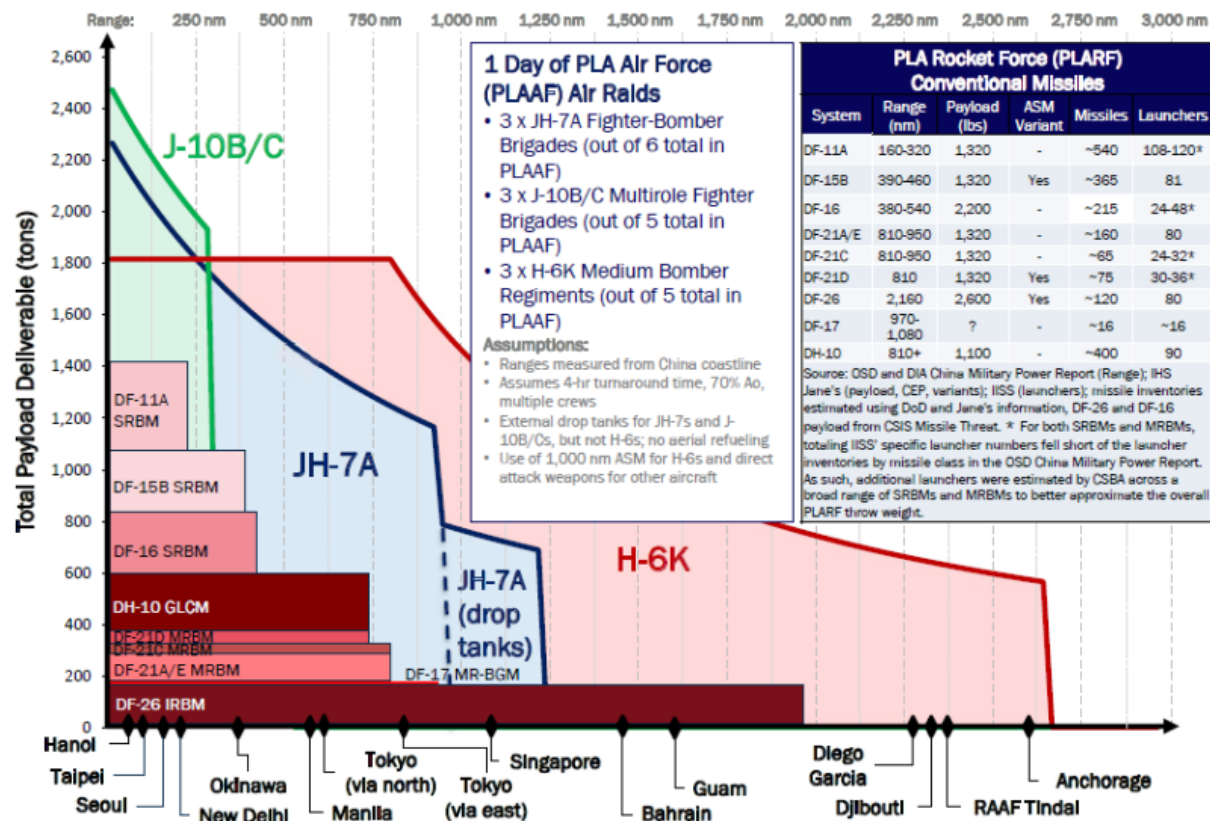
- The perceived erosion of US superiority
- A range of new concepts, force design and capabilities development initiatives to « regain the advantage »
- The (alleged) emerging warfighting concept
- Some questions and debates

The perceived erosion of US superiority

Bryan Clark, Timothy A. Walton, *Taking Back The Seas : Transforming The U.S. Surface Fleet for Decision-centric Warfare*, CSBA, 2019, p.16



FIGURE 8: PLA CRUISE AND BALLISTIC MISSILE THROW WEIGHT, INCLUDING THE POTENTIAL ASM PAYLOAD OF SOME PLAAF AIRCRAFT



scorecard	Taiwan Conflict				Spratly Islands Conflict			
	1996	2003	2010	2017	1996	2003	2010	2017
1. Chinese attacks on air bases	Green	Green	Yellow	Orange	Green	Green	Green	Yellow
2. U.S. vs. Chinese air superiority	Green	Green	Green	Yellow	Green	Green	Green	Green
3. U.S. airspace penetration	Green	Yellow	Yellow	Yellow	Green	Green	Green	Green
4. U.S. attacks on air bases	Yellow	Green	Green	Green	Green	Green	Green	Green
5. Chinese anti-surface warfare	Green	Green	Yellow	Orange	Green	Green	Green	Yellow
6. U.S. anti-surface warfare	Green	Green	Green	Green	Green	Green	Green	Green
7. U.S. counterspace	Orange	Orange	Yellow	Yellow	Orange	Orange	Yellow	Yellow
8. Chinese counterspace	Green	Green	Yellow	Yellow	Green	Green	Yellow	Yellow
9. U.S. vs. China cyberwar	Green	Green	Green	Green	Green	Green	Green	Green

10. Nuclear stability (confidence in secure second-strike capability)	Country	1996, 2003, and 2010	2017
	China	Low confidence	Medium confidence
U.S.	High confidence		

NOTES: To prevail in either Taiwan or the Spratly Islands, China's offensive goals would require it to hold advantages in nearly all operational categories simultaneously. U.S. defensive goals could be achieved by holding the advantage in only a few areas. Nevertheless, China's improved performance could raise costs, lengthen the conflict, and increase risks to the United States.

Key for Scorecards 1-9

U.S. Capabilities	Chinese Capabilities
Major advantage	Major disadvantage
Advantage	Disadvantage
Approximate parity	Approximate parity
Disadvantage	Advantage
Major disadvantage	Major advantage



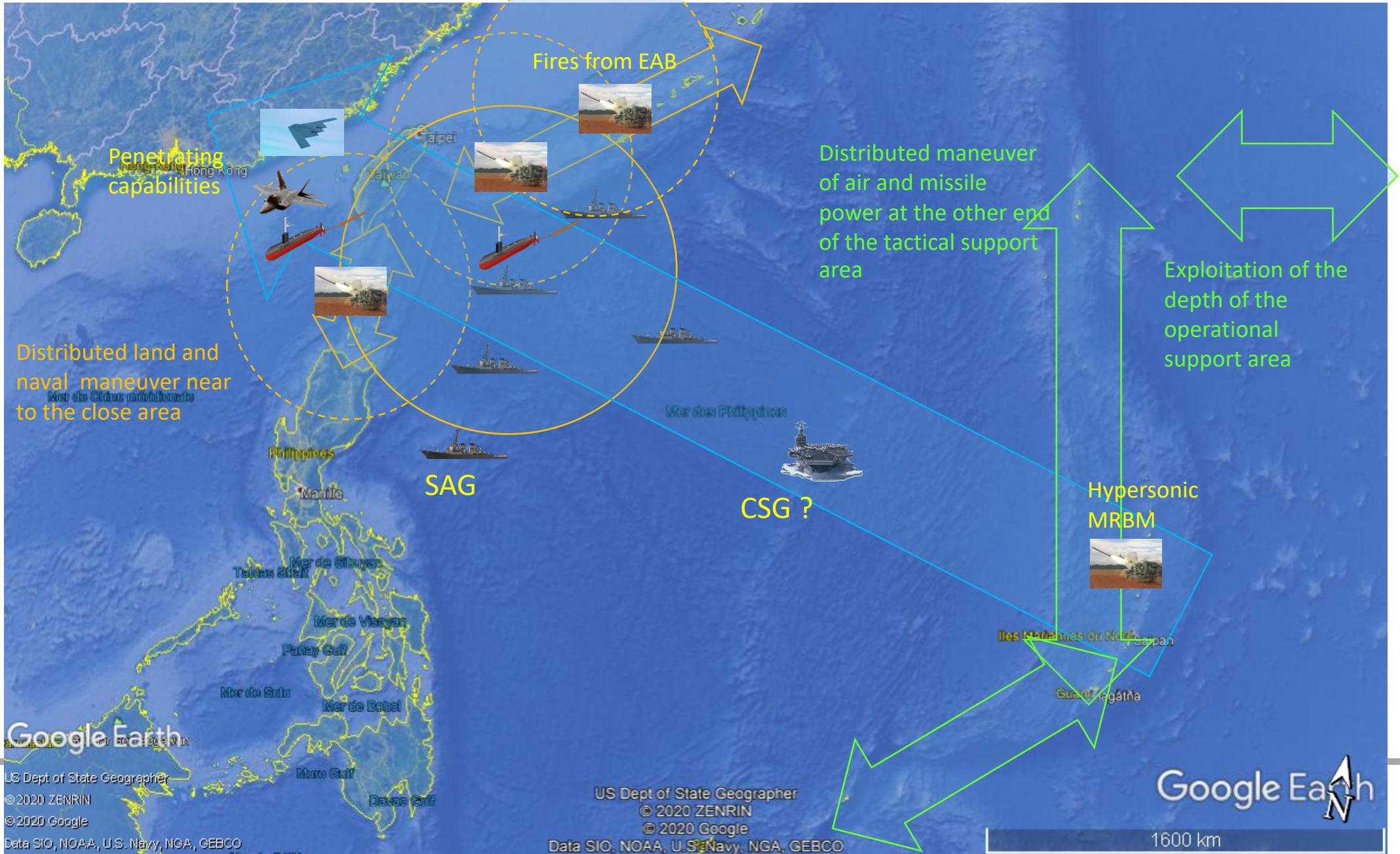
Eric Heginbotham (dir), *The U.S.-China military scorecard : forces, geography, and the evolving balance of power, 1996-2017*, Rand Co, 2015, p. xxix

A range of new concepts and force design and capabilities initiatives to “regain the advantage”

- US Navy-US Marine Corps Team
 - New concepts
 - Distributed Maritime Operations (DMO)
 - Electromagnetic maneuver warfare (EMW)
 - Littoral Operations in a Contested Environment (LOCE)
 - Expeditionary Advanced Base Operations (EABO)
 - Integrated Naval Force Structure Assessment
 - New Marine Corps *Force Design 2030*
- US Army Multidomain Operations
- US Air Force Multidomain Operations & Operational Agility
- Joint All Domain C2 architecture
- « Regain the advantage » : USINDOPACOM capabilities estimate



(Very oversimplistic sketch of) the alleged emerging warfighting concept



Some questions and debates

- Questions

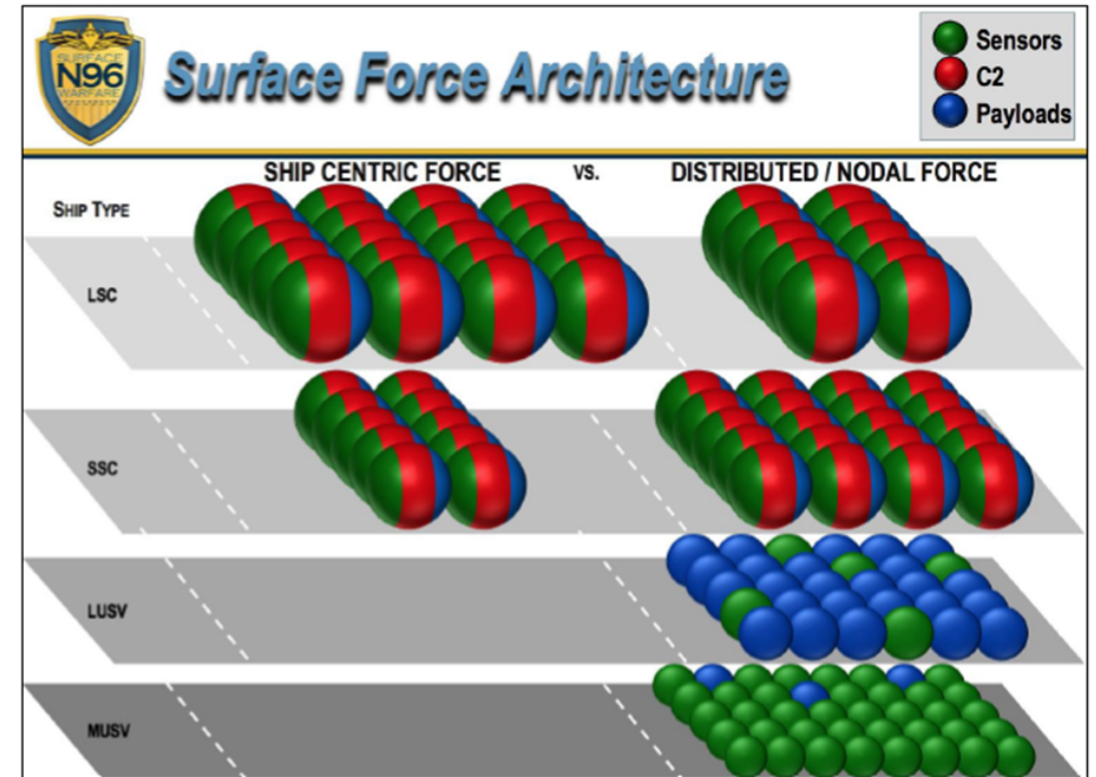
- Philippines and Japan convergence ?
- Real room of maneuver across the First Chain of Islands ?
- Effects of EABO in large scale confrontation ?
- Air superiority over the area ?
- Mission Command vs. need for coordination ?

- Debates

- Overspecialization of the Marine Corps ?
- Suitability and sustainability of the future Integrated Naval Force Structure ?
- Sustainability of the air force structure ?
- Implementation of true joint all domain operations ?

Figure 1. Navy Briefing Slide on Surface Combatant Force Architecture

Each sphere represents a ship or unmanned surface vehicle (USV)



Source: Illustration accompanying Megan Eckstein, "Sea Hunter Unmanned Ship Continues Autonomy Testing as NAVSEA Moves Forward with Draft RFP," *USNI News*, April 29, 2019. The illustration was also included as Slide 2 in a Navy briefing entitled "Designing & Building the Surface Fleet: Unmanned and Small Combatants," by Rear Admiral Casey Moton at a June 20, 2019, conference of the American Society of Naval Engineers (ASNE).

Notes: Each sphere represents a ship or a USV. LSC means large surface combatant (i.e., cruiser or destroyer), and SSC means small surface combatant (i.e., frigate or Littoral Combat Ship). As shown in the color coding, the LSCs and SSCs are equipped with a combination of sensors (green), command and control (C2) equipment (red), and payloads other than sensors and C2 equipment, meaning principally weapons (blue). LUSVs and MUSVs, in contrast, are equipped primarily with weapons (blue) or sensors (green).

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