

MEMORANDUM FOR: GEN Paul M. Nakasone, Commander of U.S. Cyber Command, Director of National Security Agency

SUBJECT: Leveraging a multi-state cooperation approach to outcompete China in disruptive technology

Purpose: This memorandum will recommend the use of disruptive technologies to promote international cooperation and secure an advantage over China.

Analysis: China is proactive in its innovative use of technology, challenging the U.S. position in the international system and undermining U.S. international influence in the Indo-Pacific region. The C.C.P. continues to unethically spread ethno-nationalistic values within China through disruptive technologies, causing hostile attitude towards neighboring countries. This Chinese agenda requires the U.S. to selectively (de)couple with the C.C.P. and cooperate with international partners to maintain its advantage and enable free flow of information in the dynamic technological realm.

Options:

Strengthening Regional Cooperation Through Connective Infrastructure

- Provide an international-scale U.S. alternative for massive infrastructure building and investment program.
- Lead the formation of an Indo-Pacific security community ("N.A.T.O. of the Pacific").
- Focus on regional 5G upgrades through cooperation with regional partners and allies.
- Impose economic sanctions against Chinese actors.

Winning the Messaging Campaign

- Enable access to free information to improve relations with the Chinese people and ensure they have the educational tools to combat the Chinese Communist Party's information monopoly.
- Create Satellite Internet Constellations with direct internet access over China, operated by private companies.
- Develop and implement a resilient V.P.N. system to permanently circumvent the "Chinese Great Firewall."
- Promote cooperation between U.S government agencies, private corporations, and allied states.

Advancing A.I. Integration in Military Technology

- Integrate A.I. into Swarm Drone Systems as a cost effective and defensive tactic.
- Incorporate A.I. into Taiwanese Surveillance Systems to enable accurate depictions of enemy tactics.

- Inculcate A.I. into Air Defense capabilities (A.D.A.) to mutually progress international military technology and advance target acquisition.

Recommendations:

Strengthening Regional Cooperation Through Connective Infrastructure

- Facilitate new 5G infrastructure in Southeast Asia that aligns with the interest of local actors, encourages participation, and creates stakeholders. This approach provides states with incentives to resist Chinese economic influence while enabling opportunities for broader regional cooperation.

Winning the Messaging Campaign

- Implement a resilient V.P.N. for use among the Chinese populace as a useful tool for the spread of free information. These V.P.N.s are adaptable and can predict instances of Chinese censorship.

Advancing A.I. Integration in Military Technology

- Upgrade A.I. in Air Defense Systems (A.D.A.) using machine learning to monitor and track potential aerial threats fired by China. We recommend this course of action because it can be expanded and subsequently sold to U.S. strategic allies throughout the region, minimizes potential misfires, and offers a defensive position.

Implementation:

Strengthening Regional Cooperation Through Connective Infrastructure

- Work with strategic partners such as the Republic of Korea, Japan, India, and Singapore to develop and implement 5G technology and infrastructure throughout the Indo-Pacific region.

Winning the Messaging Campaign

- Create a Department of Defense-sponsored initiative to develop advanced A.I. capabilities with private companies such as Microsoft and Amazon, as well as foreign allies, that focus on barrier penetration.

Advancing AI integration in Military Technology

- Consult with strategic partners to negotiate sales, advance development in A.I.-A.D.A. systems, support extensive research and development by Army Futures and Technology Command and Army Material Command.

POC: CDT Kirk Ruaro
kirk.ruaro@westpoint.edu



SCUSA 72 - China and East Asia
United States Military Academy

Contributing Members:

Brian Bauer, Syracuse University, BBauer02@syr.edu
Carolyn Brueggemann, Western Kentucky University, carolynbrueg@gmail.com
Daniel Bryant, Baylor University, Daniel_Bryant1@baylor.edu
CDT Sarah Cao, United States Military Academy, Sarah.Cao@westpoint.edu
Chloe Clemenson, University of Iowa, chloe-clemenson@uiowa.edu
Blake Dudley, Gettysburg College, dudlbl01@gettysburg.edu
Benjamin Flaherty, SUNY Geneseo, bjf10@geneseo.edu
Koa Pu Ali Garcia, United States Military Academy, Koa.Garcia@westpoint.ed
Nicholas Gardner, Western Kentucky University, nicholas.gardner088@topper.wku.edu
Kathryn Howarth, Penn State University, kch5298@psu.edu
Clara Keuss, Pepperdine University, clara.keuss@pepperdine.edu
Cameron Larocque, Hunter College, Cameron.larocque30@myhunter.cuny.edu
CDT Eric Liu, United States Military Academy, Eric.Liu@westpoint.edu
Sophia Stone, Texas A&M University, sophiastone2023@TAMU.edu
Shang Wen, Georgia Tech, swen@gatech.edu

Advisors

Dr. Fei-Ling Wang, Georgia Tech fw@gatech.edu
LTC Justin Fincham, United States Military Academy, Justin.Fincham@westpoint.edu