HQ USINDOPACOM J85 Science and Technology Overview



February 21, 2020

This brief is classified:

UNCLASSIFIED

Discussion up to: UNCLASSIFIED

Classified by: Dr Martin Lindsey

Derived from:

Declassify on: N/A

JOINT FORCE LETHALITY

- **DESIGN & POSTURE**
- ALLIES & PARTNERS
- EXERCISES, EXPERIMENTATION, & INNOVATION



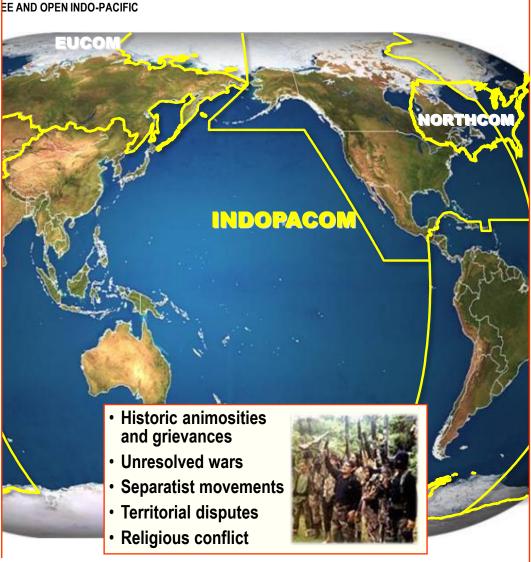
The Situation in INDOPACOM

- · Over half of world's population
- 51% of Earth's surface; 17% of total land
- 36 nations
- 16 time zones









- World's 7 largest armed forces - potent military capabilities
- 2 of 3 largest and 10 of 14 smallest economies
- 5 of 7 U.S. Mutual **Defense Treaties**









INDOPACOM Science and Technology Mission and Objectives

- JOINT FORCE LETHALITY
- DESIGN & POSTURE
- ALLIES & PARTNERS
- EXERCISES, EXPERIMENTATION, & INNOVATION

ENSURING A FREE AND OPEN INDO-PACIFIC

Line of Effort

Example OAA's

Desired End State

Inform S&T Community about USINDOPACOM Requirements

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Focus R&D efforts in USG labs, military services, and industry to maintain advantage

Avoid Technological Surprise

Prevent future vulnerabilities to US forces

Strengthen international defense partnerships through S&T

CMP projects security process the cise of the project of the proje

Mutually beneficial and purposeful engagement to implement the NDS

Discover, Develop, and Demonstrate S&T solutions to warfighter challenges Advocate for rapid parage ICD, Alf & Provide Suff for a front te de nos Provide Suff for a front for a free de nos Provide Suff for a free de nos Provide S

Out-innovate adversaries through advanced capability experimentation



DOD Modernization Priority Coordinators for USINDOPACOM

JOINT FORCE LETHALITY

DESIGN & POSTURE

ALLIES & PARTNERS

EXERCISES, EXPERIMENTATION, & INNOVATION

DOD Modernization Priority	USINDOPACOM Coordinator
Artificial Intelligence / Machine Learning	Mr Errol Holcomb, CIV, J85
Biotechnology	Col Tammy Low, USAF, PhD, J85
Autonomy	Dr. F. Mike VonFahnestock, IPA, J85
Cyber	Mr Errol Holcomb, CIV, J85
Directed Energy	Dr. Greg Power, IPA, J85
Fully Networked C3	Pete Stokka, CIV, J81
5G	Pete Stokka, CIV, J81
Microelectronics	Dr. Greg Power, IPA, J85
Quantum Science	Dr. F. Mike VonFahnestock, IPA, J85
Hypersonics	Dr. Martin Lindsey, CIV, J85
Space	Dr. Martin Lindsey, CIV, J85

https://www.cto.mil/modernization-priorities/