



## *Megacities in the Indo-Pacific Region*



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Victory Starts Here!

<http://www.tradoc.army.mil/>

**World Megacities (10M+) as of 2018**

22 of 38 in Indo-East Asian region:

- **6 in China**
  - Shanghai
  - Beijing
  - Guangzhou-Foshan
  - Tianjin
  - Shenzhen
  - Chengdu
- **5 in India**
  - Delhi
  - Mumbai
  - Kolkata
  - Bangalore
  - Chennai
- **3 in Japan** (Tokyo, Osaka, Nagoya)
- **2 in Pakistan** (Karachi, Lahore)
- **1 each in:**
  - Bangladesh (Dhaka)
  - Indonesia (Jakarta)
  - Republic of Korea (Seoul)
  - Philippines (Manila)
  - Thailand (Bangkok)
  - Vietnam (Ho Chi Minh City)

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Map image from

[https://upload.wikimedia.org/wikipedia/commons/4/49/Malaysia\\_on\\_satellite\\_map\\_\(NASA\\_World\\_Wind\).PNG](https://upload.wikimedia.org/wikipedia/commons/4/49/Malaysia_on_satellite_map_(NASA_World_Wind).PNG)



**Scale of the Challenges...and Opportunities**



VICTORY STARTS HERE

### Challenges

**Populations**

- Iraq 39,192,111
- Afghanistan 34,124,811
- **Tokyo megacity 38,050,000**

**Physical size**

- Oahu 1,598 km<sup>2</sup>
- **Tokyo 8,223 km<sup>2</sup>** (but with Honolulu-type traffic)

**Number of languages spoken in New York: ~800**

- Number of households speaking exclusively English: 51%

### Opportunities

Number of eyes in Tokyo: **76,100,000**  
 Number of ears in Tokyo: **76,100,000**

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Iraq population estimate from <https://www.cia.gov/library/publications/the-world-factbook/geos/iz.html>

Afghanistan population estimate from <https://www.cia.gov/library/publications/the-world-factbook/geos/af.html>

Tokyo populations and physical size from *Demographia urban 2019*

Oahu size from <http://www.city-data.com/states/Hawaii-Location-size-and-extent.html>

Dates of population estimates: July 2017 for Iraq and Afghanistan, 2018 for Tokyo. 2018 is also the year of the geographic spread estimates.

800 languages spoken in NYC from <https://worldstrides.com/blog/2017/10/12-interesting-facts-about-new-york-city/>. 51% of households from <https://www.wnyc.org/story/255668-blog-census-languages-new-yorkers-speak/>

Figure from UN Habitat, *Urbanization and Development: Emerging Futures*, World Cities Report 2016, 2016, 129, <https://unhabitat.org/books/world-cities-report/> (accessed September 6, 2018).



**Megacity:** An urban area of extraordinary population size, geographic spread, physical and social complexity, interconnectedness, and similarly exceptional characteristics, to include influence with at least broader regional scope.

**An example:**

**Singapore (2017 population ~ 6M)**

- World's top oil bunkering (ship fueling) port by volume
- Second largest container port
- 130,000 ships call annually
- Singapore Strait monitored by the country's Maritime and Port Authority's Port Operations Control Centre

Definition from: Russell W. Glenn, "Ten Million is Not Enough: Coming to Grips with Megacities' Challenges and Opportunities," *Small Wars Journal* (January 25, 2017), <http://smallwarsjournal.com/jrnl/art/ten-million-is-not-enough-coming-to-grips-with-megacities%E2%80%99-challenges-and-opportunities> (accessed January 18, 2018).

Singapore data from

- "Demographia World Urban Areas, 13th Annual Edition," *Demographia*, April 2017, <http://www.demographia.com/db-worldua.pdf> (accessed January 18, 2018).
- "Facts and Data," Maritime and Port Authority of Singapore, undated, <https://www.mpa.gov.sg/web/portal/home/maritime-singapore/introduction-to-maritime-singapore/facts-and-trivia>, undated, (accessed January 18, 2018).
- "6 Countries are Responsible for Almost 60% of All Bunker Sales," *Ship & Bunker*, January 5, 2016, <https://shipandbunker.com/news/world/608701-6-countries-are-responsible-for-almost-60-of-all-bunker-sales> (accessed January 18, 2018).
- World Shipping Council, "About the Industry," <http://www.worldshipping.org/about-the-industry/global-trade/top-50-world-container-ports>, 2018, (accessed January 18, 2018).
- "Malacca and S'pore Straits traffic hits new high in 2016, VLCCs fastest growing segment," *Seatrade Maritime News*, undated (but data as of 2016), <http://www.seatrade-maritime.com/news/asia/malacca-and-s-pore-strait-traffic-hits-new-high-in-2016-vlccs-fastest-growing-segment.html> (accessed January 18, 2018).

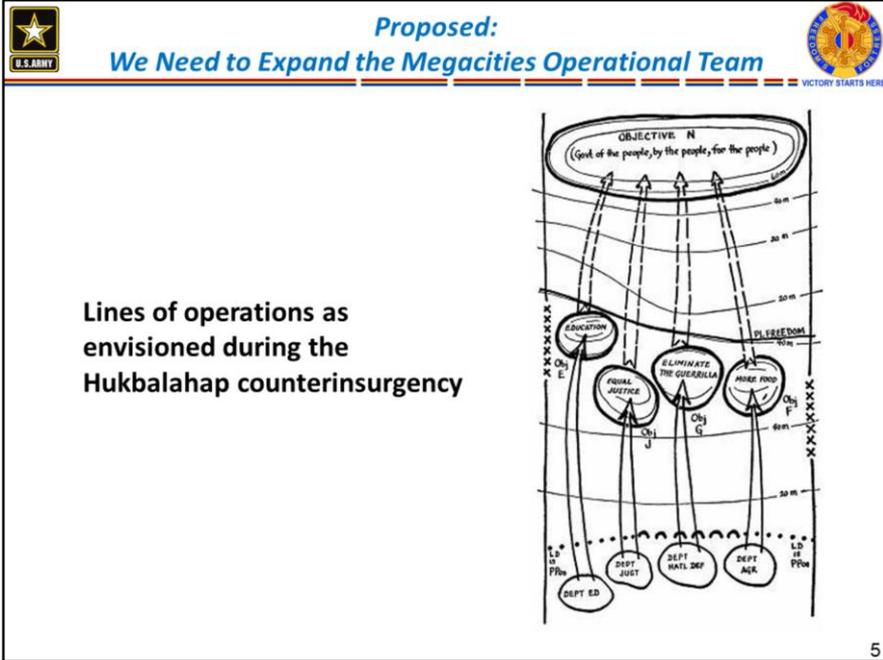


Image from Russell W. Glenn, *Rethinking Western Approaches to Counterinsurgency: Lessons from post-colonial conflict*, Abingdon, UK: Routledge, 2015, 11; originally appeared in Napoleon D. Valeriano and Charles T. R. Bohannon, *Counter-Guerrilla Operations: The Philippine Experience*, Westport, CT: Praeger Security International, 2000, 70.



## *Building the Team: Iraq Style*

