

# NATO-JAPAN Defense Industrial Cooperation Viewpoint from Japan

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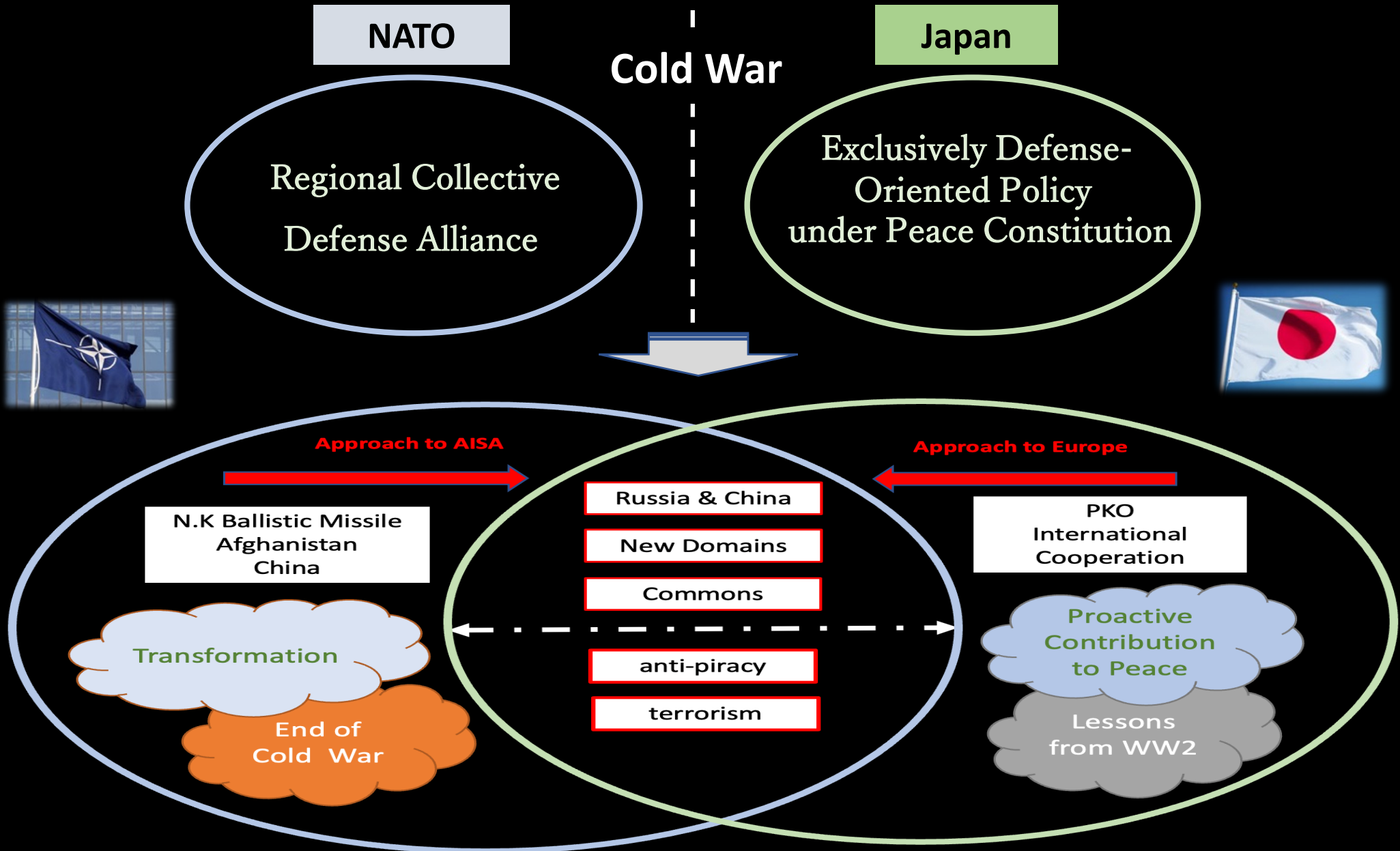
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# Background of Stronger NATO-Japan Relations



## Questions for Industrial Cooperation

- Physical distance does matter?
- In military, how cooperate?
- What is final goal?

## lessons from Ukraine Crisis

- Large quantities of Western equipment flow into Ukraine.
- As a result, the limited supply chain confirms that maintenance parts and ammunition are not inexhaustible.
- The need for the supply side to answer that demand has surfaced in response to the rapid increase in demand.

- Maintenance parts → 3D printer
- Humans are at the center of decision making → AI supports decision making
- Hybrid → fusion of analog and digital: asymmetric warfare

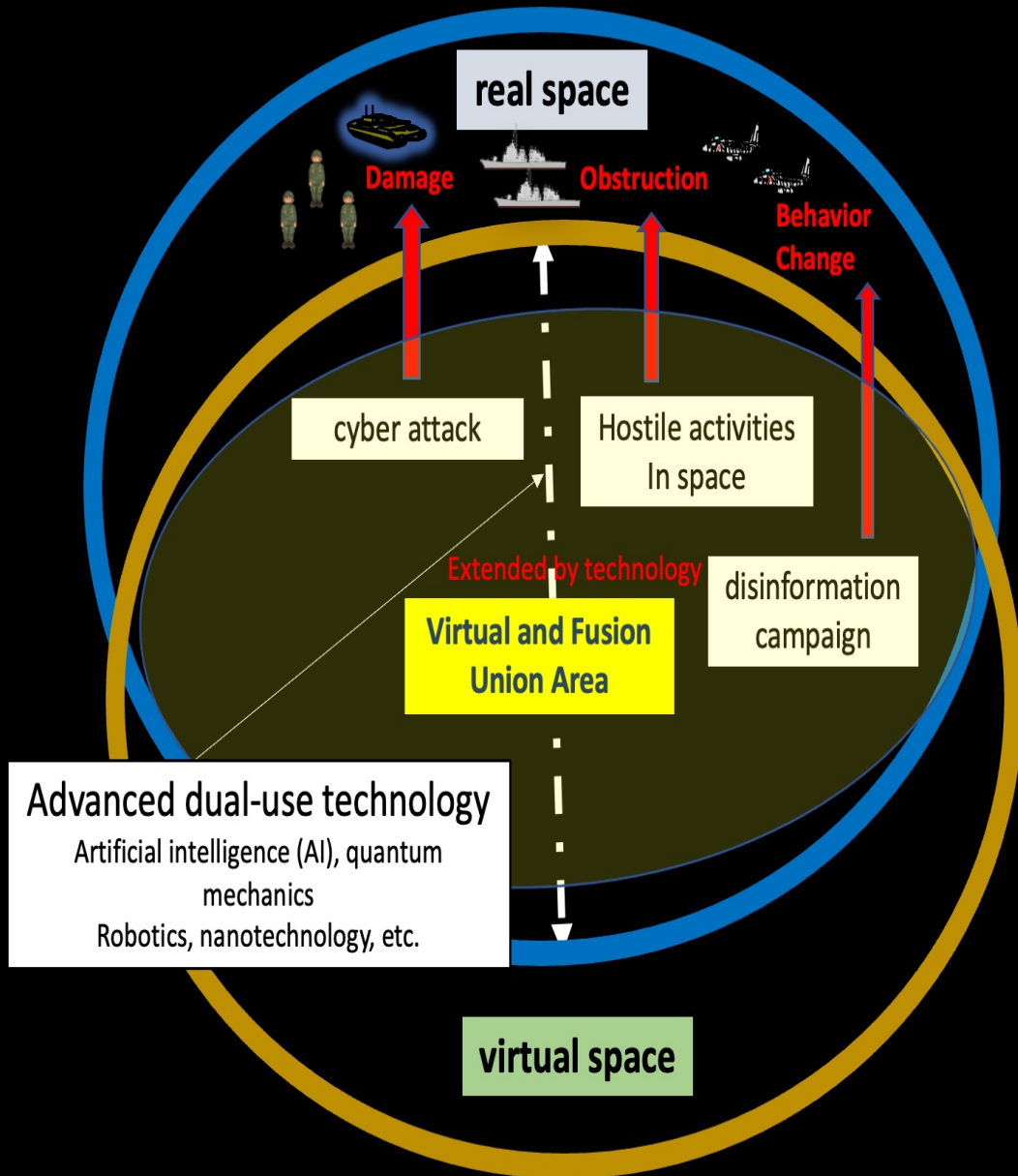
## Challenges of Japan

- Partnership
- Sustainability
- Resilience

## Three “NO”s

- Non-Interoperability
- Black Box
- Resistance to Emerging Disruptive Technologies

# Why is interoperability so important in industrial cooperation?



- New domains : Warfighting zones
- Connectivity between real and virtual space strengthens, the battlefield in which military forces operate will expand significantly
- More complex equipment systems required & More emphasis on data and software
- Digital and Cyber divide between alliances and partner nations will make joint operations less feasible
- If gaps exist among the parties involved in the underlying technology, the premise of warfare will be lost, and equipment cooperation will become meaningless.

## Interoperability

- Improve Multilateral Communication Capabilities and Share the Same Strategies & Doctrines
- Uniqueness
  - Focus on national interests even within alliances
- Standardization & Transformation



# EDT Cooperation

- EDT implementation should be expedited
  - China's Military-Civil Fusion & HGVs of Russia
- In-House Manufacturing & Globalization
- Platform for Discussion : Economic Security

