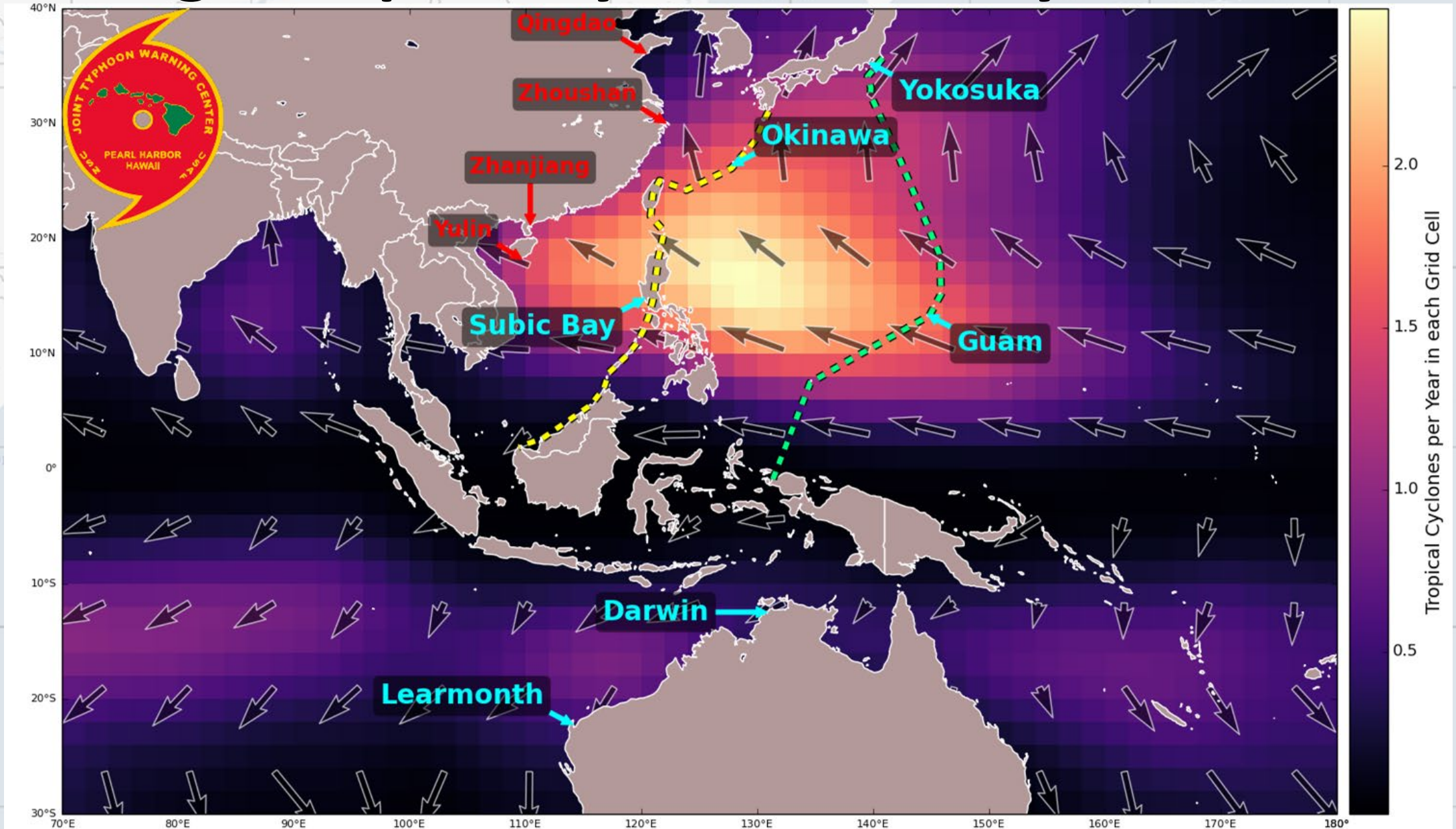


Joint Task Force for Western Pacific (TF-WPAC)

Maj Chris Dyke and Mr. Brian Strahl
Co-Chairs

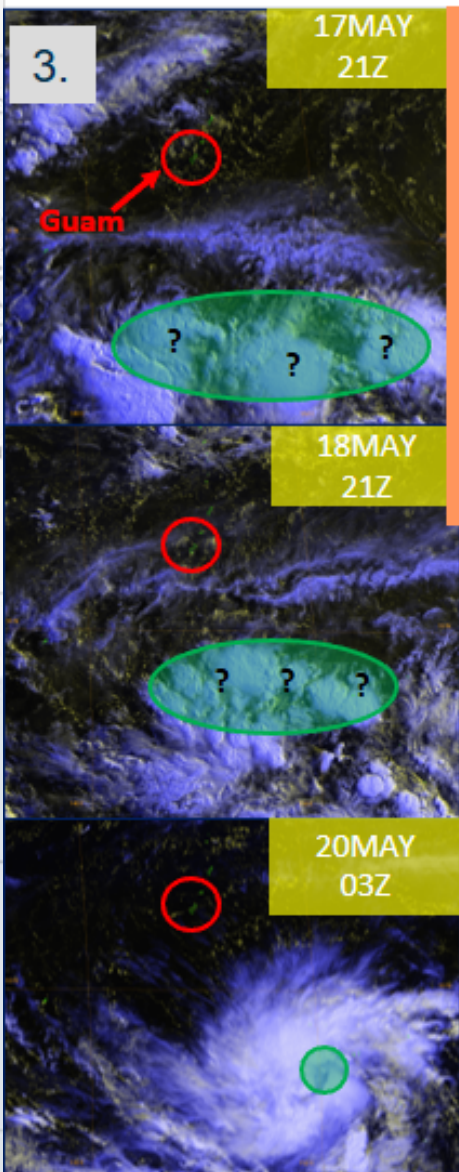
Presented to TCORF
Feb 26, 2026

Average Tropical Cyclone Activity Distribution



Mawar Highlighted the Challenges and Criticality of Sensing

17-20 MAY 2023 02W "Mawar" SBEM Summary: Pre-Warning Phase

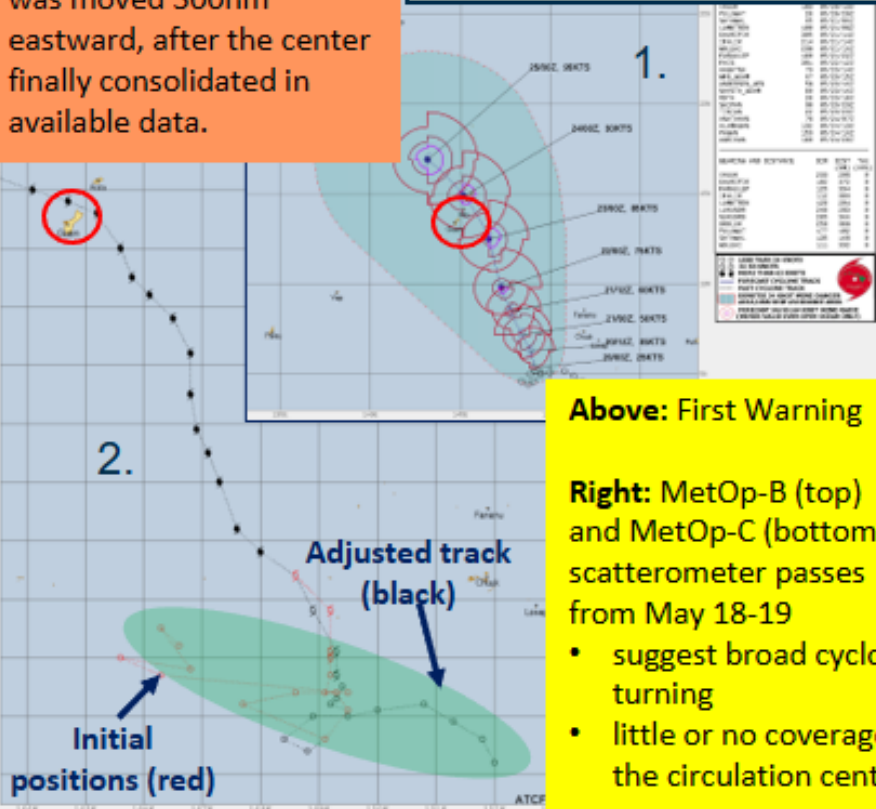


Left: Himawari-9 visible imagery.

- Green shading indicates system center uncertainty
- Guam in red circle

Bottom: Initial track data was moved 300nm eastward, after the center finally consolidated in available data.

First Warning was issued May 20 at 0300Z, or 1300L Saturday at Guam. JTWC discussed early warning issuance, between 18-19 May. However, a system center position could not be ascertained with confidence. Based on initial track data, a warning issued during this time may have placed the forecast up to 300nm to the west, potentially detrimental to military planners. **If available, OSVW or aircraft recon may have located a distinct system center and enabling a First Warning issued up to 2 days earlier.**

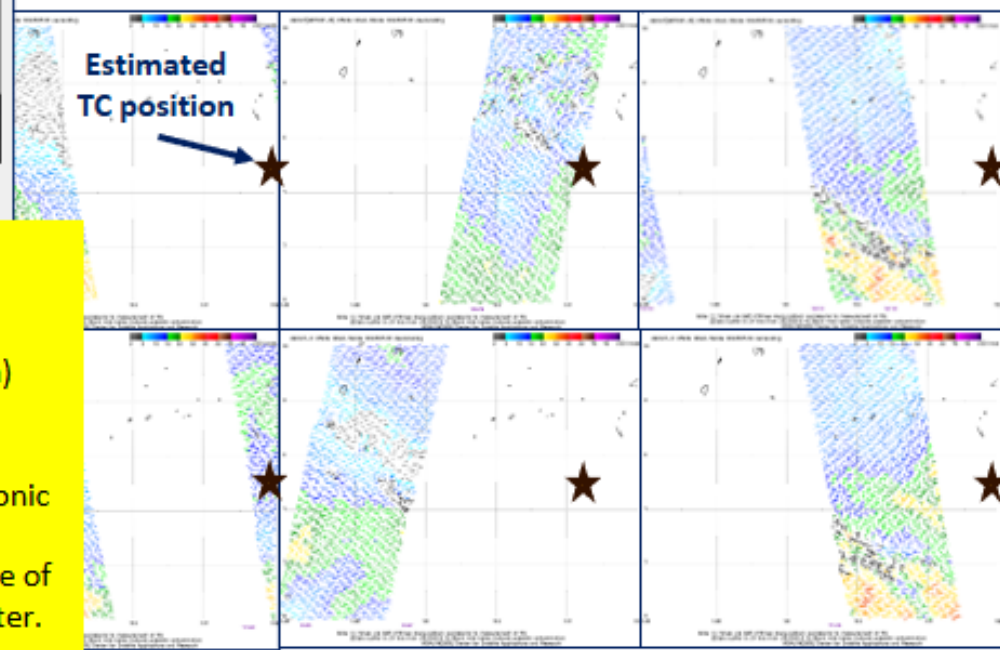


Above: First Warning

Right: MetOp-B (top) and MetOp-C (bottom) scatterometer passes from May 18-19

- suggest broad cyclonic turning
- little or no coverage of the circulation center.

4. Little or no OSVW to determine center location



TF-WPAC Charter

Problem Statement: The western Pacific region is vital to U.S. national defense and security. Operations in a dynamic weather environment are dependent upon vulnerable systems that have become a single point of failure with a defined timeline.

- **Charter:** Established to evaluate the efficacy of existing meteorological and oceanographic (METOC) capabilities to monitor, analyze, and forecast tropical cyclones and winter weather systems in the western Pacific basin (WPAC)
- **Organization:** Task Force under the ICAMS Committee on Observational Systems (COoS)
- **Membership:** Open to members of any government agency represented by ICAMS. Current members include:
 - ICAMS
 - DoW: Navy, USAF, USAFR, Army, ONR, USINDOPACOM,
 - DoC: NOAA – NWS, NESDIS, OAR
 - NASA
 - NCAR
 - **Accepting new members!**
- **Objectives:** Phase I, A coordinated report to inform leaders across inter-agency stakeholders
 - Identifying U.S. agency and partner stakeholders for tropical cyclone and winter season observations, forecasts, and warnings in the WPAC.
 - Identifying documented observation requirements, which affect the accuracy of warnings and forecasts for government decision makers.
 - Mapping the documented requirements to current observational capabilities to determine gaps.

TF-WPAC: A Two-Phase Initiative

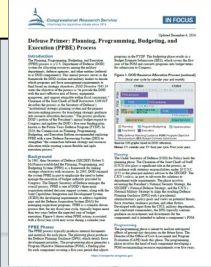
Current State
The W PAC is operating in a vulnerable environment dependent upon systems that have become a single point of failure with a defined timeline.

TF-WPAC

Desired Future State
Established systems and mechanisms to leverage the right assets at the right place at the right time increasing soft power in the region while ensuring the safety of US citizens, forces, and allies.

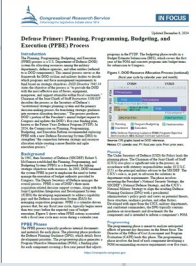
LoE 1: Capability Gaps

- 1.1. Collection
- 1.2. Analysis /Processing
- 1.3. Collaboration /Tools



LoE 2: Proposed Solutions

- 2.1. Current Fleet Mgmt
- 2.2. Alternative Options
- 2.3. Scenario Planning



End State

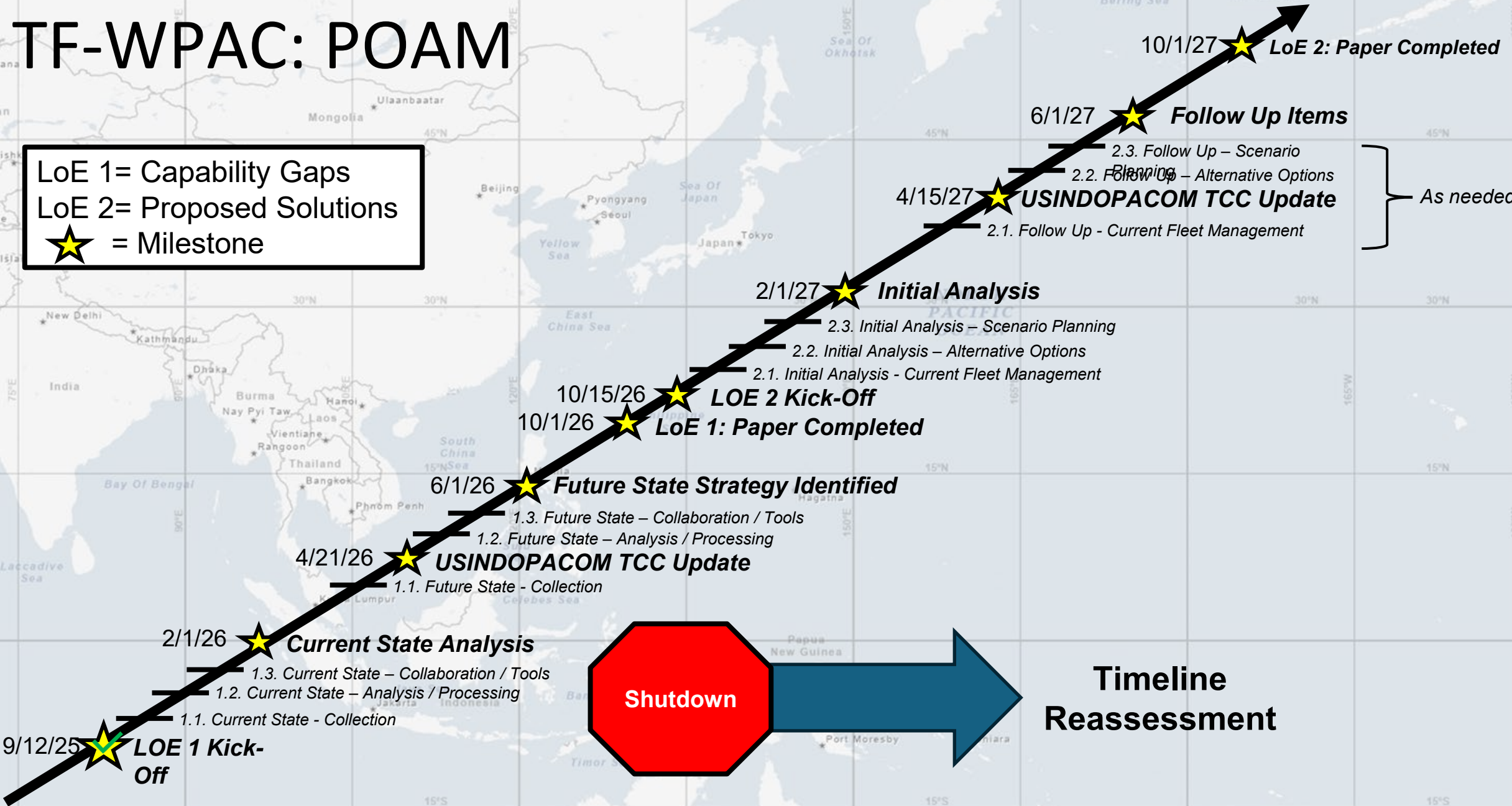
Two primers that outline current gaps and proposed solutions for the Western Pacific Region.

Gaps: Identifies gaps in forecasting capabilities in the Western Pacific and the impacts it might have on US presence in the region (civilian and military). This should tie into National Defense Strategy to include leveraging the instruments of power in regional competition.

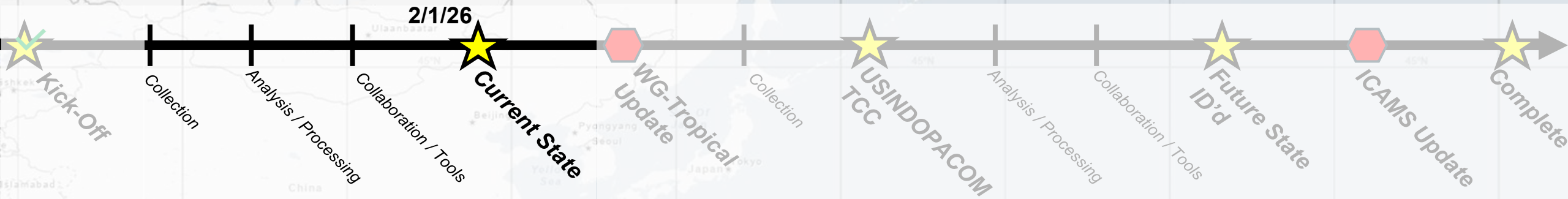
Solutions: Provides options for USG consideration across the spectrum of competition. Demonstrates ability to manage interagency fleet management plans and identifies alternate means of data collection. Includes higher classification annex as necessary to address more sensitive scenarios.

TF-WPAC: POAM


LoE 1= Capability Gaps
LoE 2= Proposed Solutions
★ = Milestone



LOE 1: Next Steps



- Gather interagency capabilities for data collection, forecasting, and collaboration tools currently in use in WPAC
 - Who are the stakeholders?
 - Survey: Develop – Distribute – Collect Responses
 - Clean responses for binning
- Develop format for reporting
 - Presentation
 - White paper
- Schedule classified meeting: For inclusion, email
 - SIPR: christopher.a.dyke.mil@mail.smil.mil or NIPR: christopher.dyke.1@us.af.mil



- How can you help?

- Join Us!

- Additional subject matter expertise desired, particularly from agencies not currently represented

- Encourage broad stakeholder needs survey/interview response

- Share how weather impacts your mission and decision making in the WESTPAC

- Share relevant documentation

- Agency-specific weather observations/data/products requirements and current capabilities

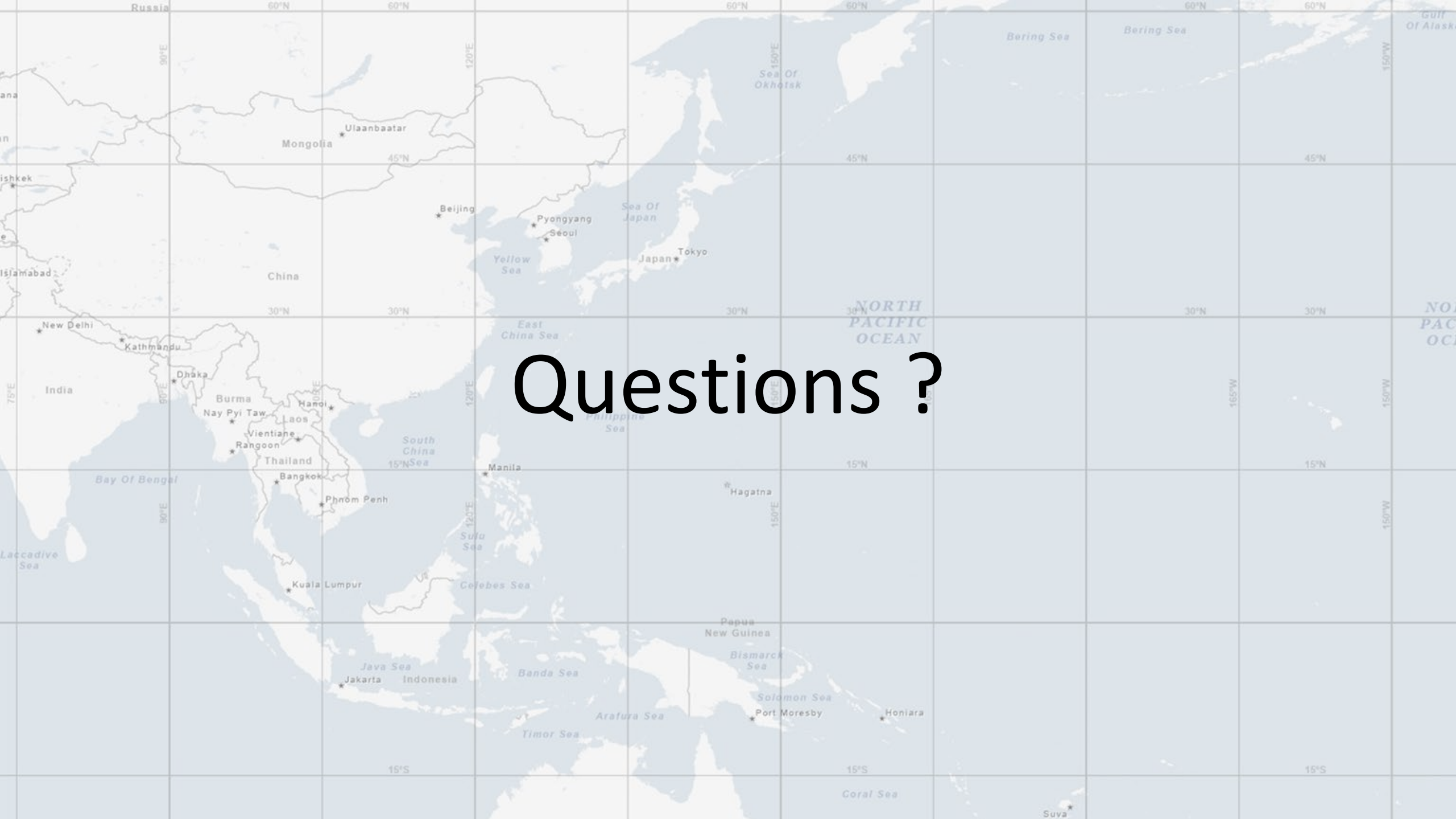
- POCs:

- christopher.dyke.1@us.af.mil

- Brian.r.Strahl.civ@us.navy.mil

- keith.a.golden2.mil@us.navy.mil

- David.chorney@noaa.gov



Questions ?