

# ***Joint Posture Management Office***



## ***Location Challenges & Discussion***

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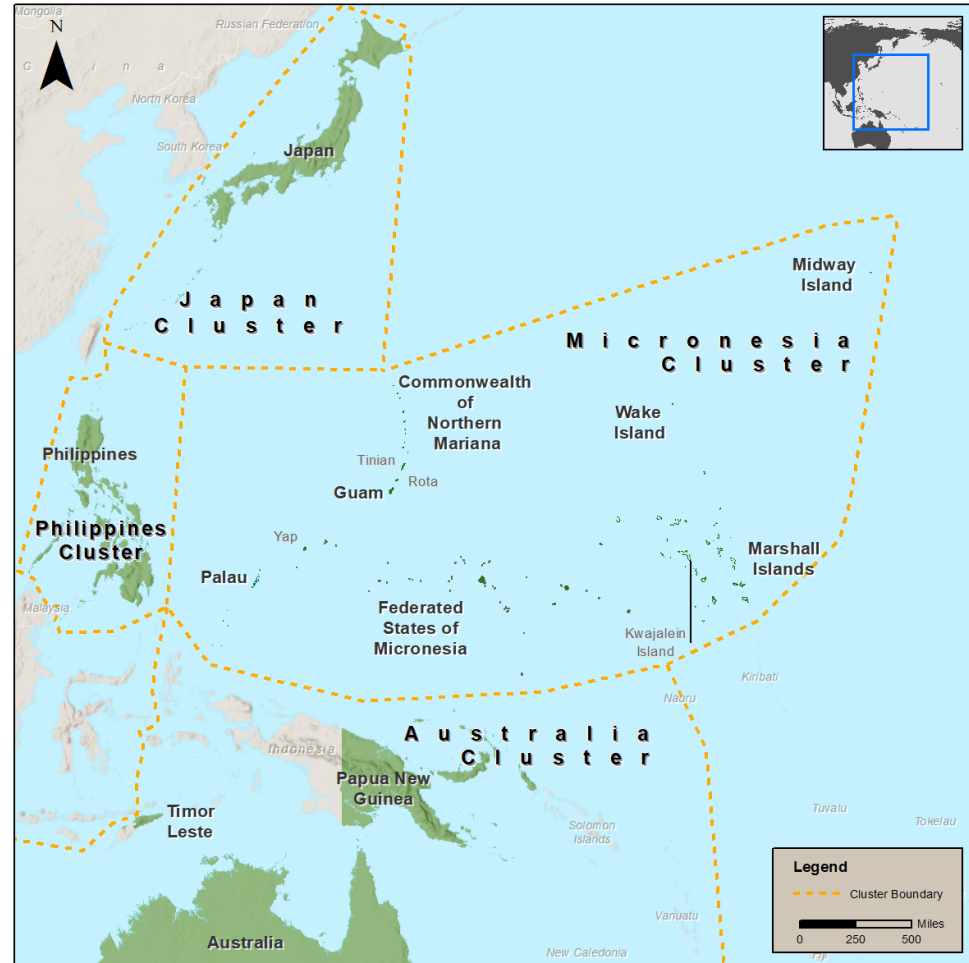
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# Clusters of Work

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Micronesia**
  - **Guam**
  - **Commonwealth of the Northern Marianas Islands**
  - **Republic of Palau**
  - **Federated States of Micronesia**
  - **Republic of the Marshall Islands**
  - **Wake Island**
- **Philippines**
- **Australia**





# Challenges - Construction

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Compressed Timelines**
- **Local Environmental Compliance**
- **Access to locations – “Places Without Bases”**
- **Country and Land Use Agreements**
- **Material Availability**
- **Remote Locations with limited workforce**





# ***Micronesia - Challenges***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Limited government staffing to support permitting**
- **Land ownership is not well recorded, challenges with getting approvals for access and construction**
- **Competition with Guam and other locations for limited workforce and equipment**
- **Tropical environment, regular weather delays, potential for extreme weather events**
- **Unpaved road conditions, ability to support construction activities often challenging**



# Micronesia – Risks & Potential Mitigations

ENSURING A FREE AND OPEN INDO-PACIFIC

LOCAL RISKS	POTENTIAL MITIGATIONS BEING CONSIDERED
Non-availability of UFGS compliant materials	<ul style="list-style-type: none"> <li>• Sample and test local materials, and list potential sources in the contract</li> <li>• Adjust designs to accommodate available materials</li> <li>• Obtain UFC-waivers for use of non-UFGS materials</li> </ul>
Limited equipment availability	<ul style="list-style-type: none"> <li>• Design to optimize the ability to use similar equipment, even if overdesign is a result</li> </ul>
Uncertainty of available utilities	<ul style="list-style-type: none"> <li>• Perform detailed site investigations and engineering to confirm capacities and points-of-connection</li> <li>• Secure host nation approval for projected usage</li> </ul>
Host nation permits to construct	<ul style="list-style-type: none"> <li>• Government exploring ways to secure all permits necessary for all construction activities</li> </ul>
Extreme Weather Events	<ul style="list-style-type: none"> <li>• Require Severe Weather insurance in the contract</li> <li>• Excusable Delay FAR Clause addresses PoP</li> </ul>



## ***Micronesia – Expected Projects***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Specified MILCONs, Exercise Related Construction (ERC), Unspecified Minor Military Construction (UMMC), Repair of Facilities and/or Humanitarian and Civic Assistance**
  
- **Types of Projects**
  - **Airfield – Runways, Taxiways, Landing Pads and Parking Aprons**
  - **Waterfront – Wharfs, Piers, Dredging and Navigational Aids**
  - **Communication Infrastructures**
  - **Fuel Facilities – Bulk Storage, Receipt & Issue, Laydown Areas**
  - **Warehousing and Laydown Infrastructures**



# ***Philippines - Challenges***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Availability of specialized construction equipment**
- **Proximity of building materials to construction locations**
- **Quality of construction materials based on region**
- **Preparing for inclement weather, i.e. volcanic activity, typhoons, earthquakes, and significant rainfall during the wet season**
- **US Construction Bond requirement**
- **Base access to Philippine military installations where the preponderance of work is going to occur (30 days lead time)**



# ***Philippines – Expected Projects***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **MILCON, Exercise Related Construction (ERC), Unspecified Minor Military Construction (UMMC), Repair of Facilities and/or Humanitarian and Civic Assistance**
  
- **Types of Projects**
  - **Airfield – Runways, Taxiways, Landing Pads and Parking Aprons**
    - **Transient Aircraft Parking Apron, Basa Air Base (MILCON)**
  - **Maintenance and Operational Infrastructures**
  - **Fuel Facilities**
  - **Warehousing and Laydown Infrastructures**





# ***Australia - Challenges***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **U.S. and Australia Standards compatibilities for design, construction and inspection**
  - **Material Specifications**
  - **Australia Defence vice U.S. DoD Standards**
  - **US Construction Bond Requirement**
- **Local Environmental Compliance**
- **Competition with other Industries (i.e. Mining)**
- **Logistics issues for remote locations**
- **Weather impacts – wet season**



## ***Australia – Expected Projects***

ENSURING A FREE AND OPEN INDO-PACIFIC

- **Specified MILCONs and Unspecified Minor Military Construction**
  
- **Types of Projects**
  - **Airfield – Runways, Taxiways, Landing Pads and Parking Aprons**
    - ACE Ramp & Parking Apron, RAAF Darwin (MILCON)
    - Aircraft Parking Apron, RAAF Tindal (MILCON)
  - **Maintenance and Operational Infrastructures**
    - Squadron OPS Facility, RAAF Darwin (MILCON)
    - Squadron OPS Facility, RAAF Tindal (MILCON)
    - Aircraft Maintenance Support Facility, RAAF Tindal (MILCON)
  - **Fuel Facilities – Bulk Storage, Receipt & Issue, Laydown Areas**
  - **Warehousing and Laydown Infrastructures**



***Questions/Discussions***