



Officer In Charge of Construction (OICC) Marine Corps Marianas



***Guam Industry Forum
March 2018***

**CAPT Dan Turner, PE
Commanding Officer, OICC MCM**



Partnering!



Goal: “Achieve specific business objectives by maximizing the effectiveness of each participant’s resources in delivering requirements”

- **Means & Methods**

- Can be an initial meeting prior to physical construction, along with periodic follow-up meetings. A written charter is often developed which identifies common goals & focuses on problem-solving.



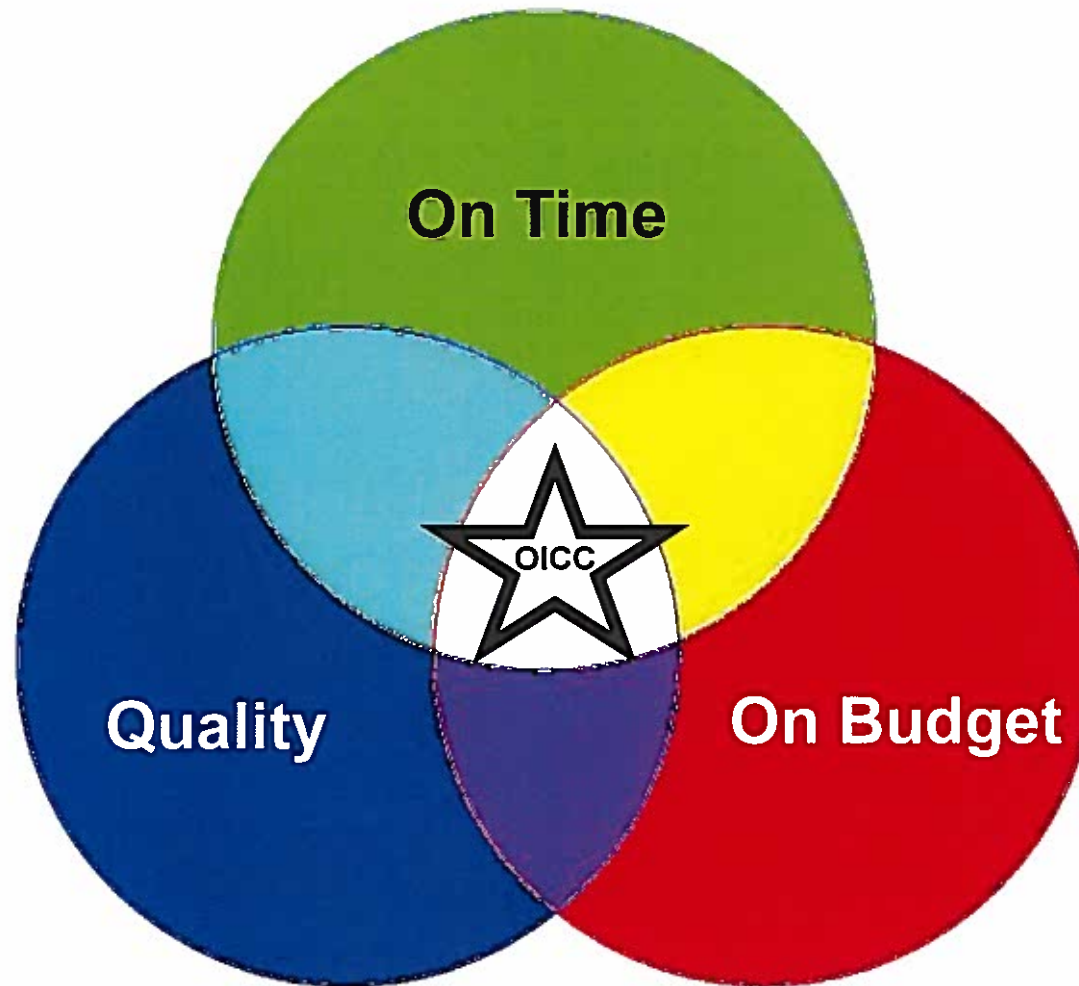
- **Benefits**

- Improved safety
- Expedited decision making & timely delivery
- Reduced costs and exposure to claims
- Enhanced client focus & improved responsiveness
- Increased opportunity for innovation
- Improved team morale



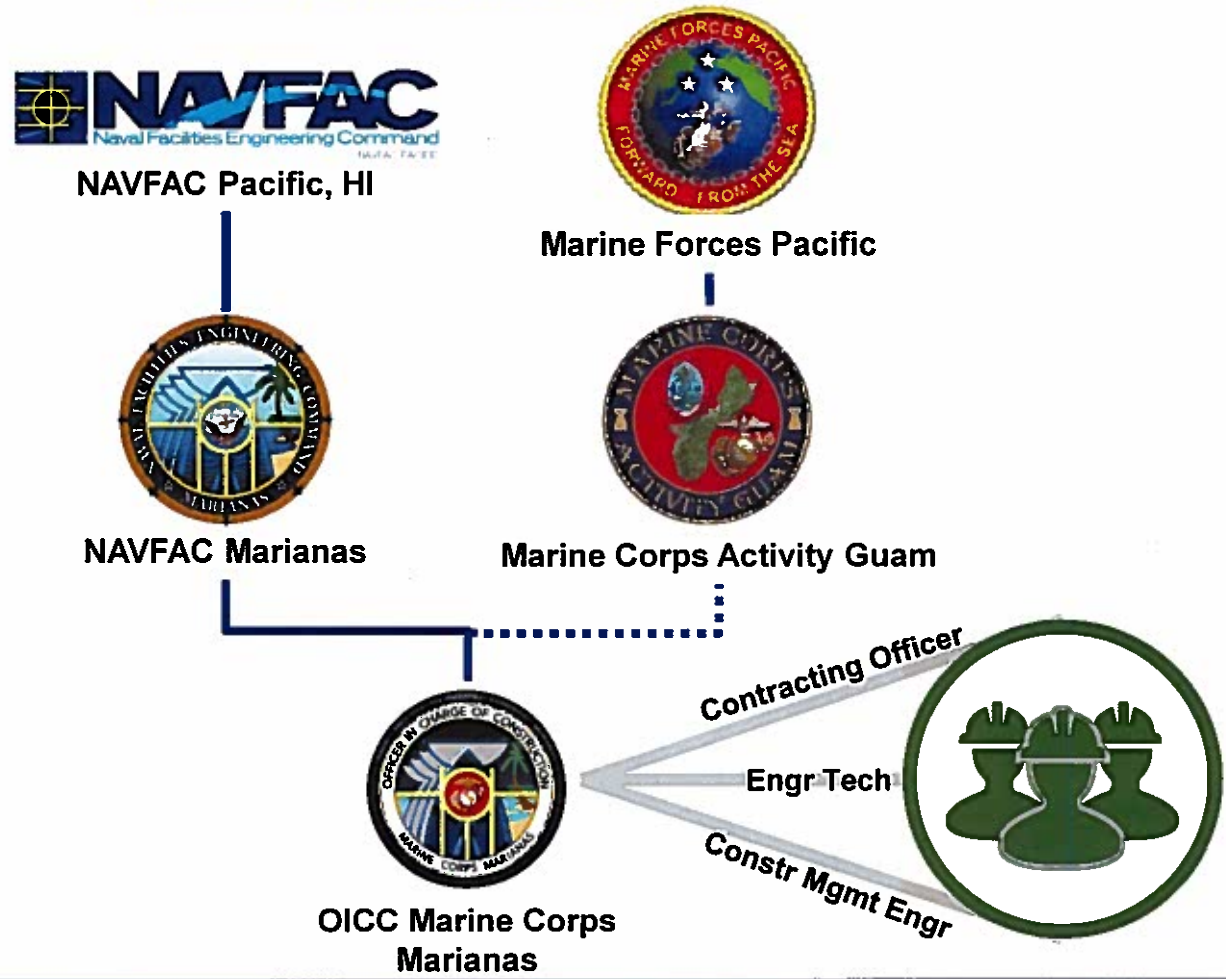


Construction "Trifecta"





Organizational Structure





Construction on Guam

Things to consider...



- **Guam is a US Territory**

- Population: ~170,000, Largest in Micronesia
- Land Area: 212 mi², >3 times the size of DC

- **Guam's Climate - Tropical Marine**

- Seismic and Typhoon zone
- Corrosive / Hot / Humid / Wet environment

- **DoD Contractual Requirements**

- Compliance:
 - Jones' Act, Buy American Act, Davis Bacon Act
- Local:
 - Munitions & Explosives of Concern (MEC), H-2B Temp Visa
- Unique Environmental Considerations:
 - Natural / Cultural Resources / Permits
- Potential Construction Challenges:
 - Limited air / sea port access
 - High demand for skilled workforce, organic construction equipment & materials





Construction on Guam

(Compliance)



- **Jones Act (46 USC §55102)**
 - Construction material must be transported on US-flagged vessels
- **Buy American Act (FAR Part 25.2)**
 - Under \$7.86M USD: Use material made in US or designated country
 - Over \$7.86M USD: Open to WTO and FTA countries
- **Davis Bacon Act (40 USC §3141)**
 - Federal-aid Highway Acts extended the Davis-Bacon Act provisions to Guam.
 - Applies to all DPRI projects.



BUY 
AMERICAN
ACT COMPLIANT

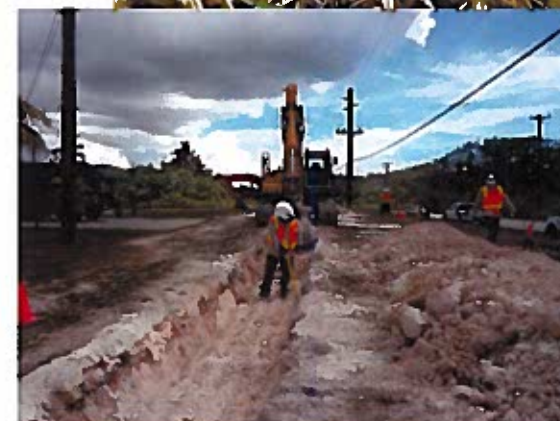


Construction on Guam

[Munitions & Explosives of Concern (MEC)]



- **MEC Program: Applies to all DoD projects**
 - Ensures safety during ground-intrusive activities
 - Latest CNO Exemption E1-16B changes the TOI to 60mm.
 - Enables 18" lift method resulting in "semi-processed soil"
 - Semi-processed soil required to remain on-site. Further screening required to 20mm TOI to be classified as "MPPEH free soil"
 - Letter of Clarification: Guidance on MEC Standards outside the DoD fence line.
 - Requires significant planning and scheduling consideration well in advance of construction



- **MEC timeline:**

Munitions and Explosives of Concern (MEC) on Guam

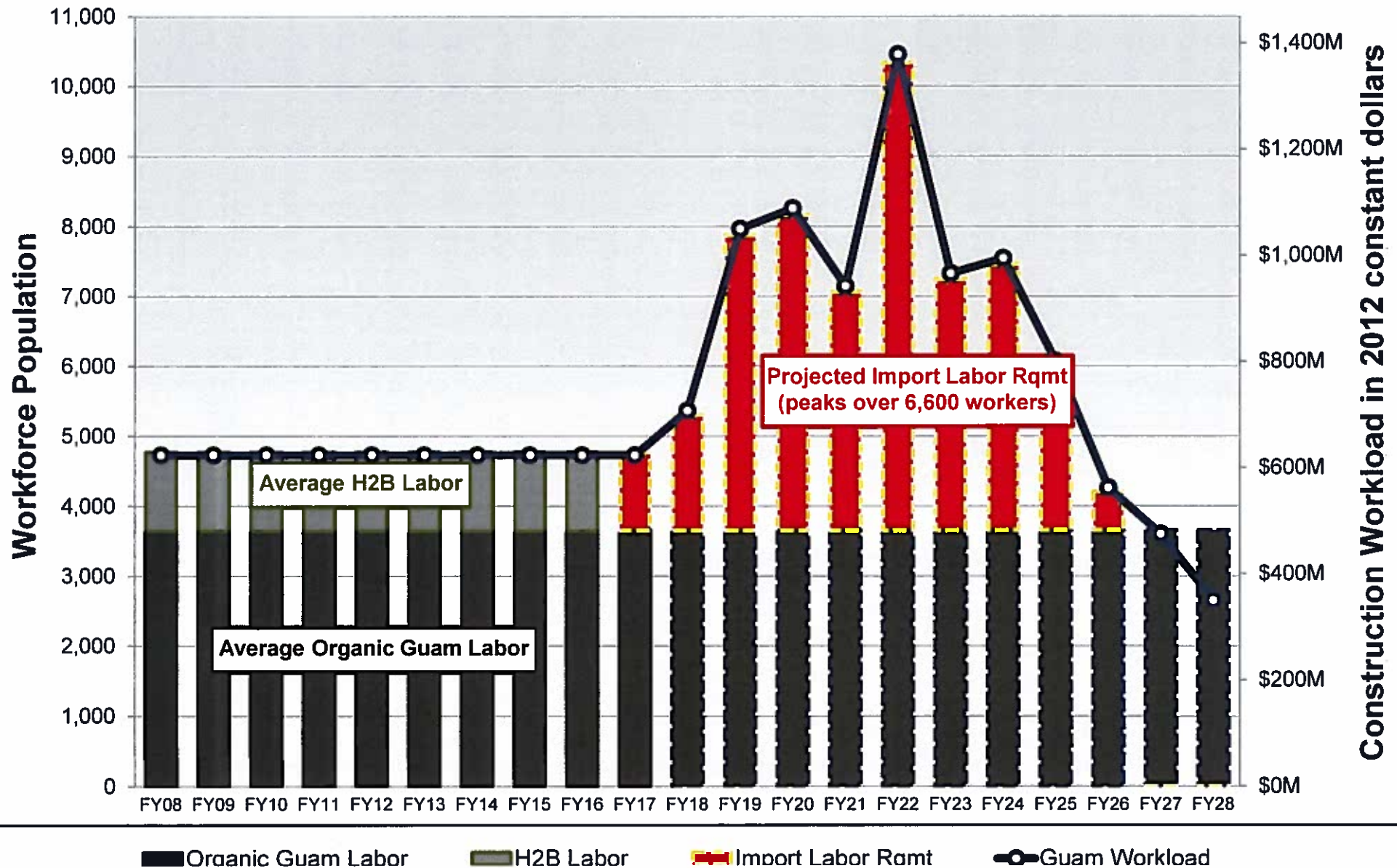
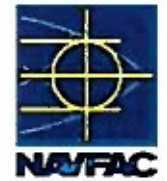


Guam MEC support to Date:

- Exemption E1-16 (Jan 16)
- Exemption E1-16A (Apr 16)
- Exemption E1-16B (Jan 17)
- Clarification Letters (Jan 17)
- Forward Deployed Technical Quality Assurance & Assist Teams



Construction on Guam (H-2B Temporary Visa Workers)





Construction on Guam

(Natural / Cultural Resources)



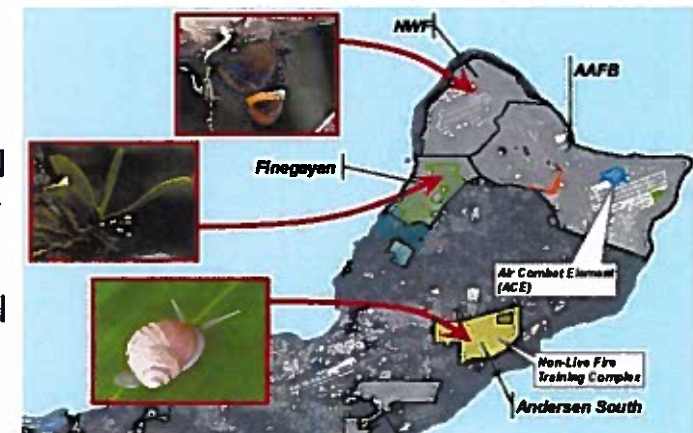
• Natural Resources

- Endangered Species Act (ESA) protected species are addressed under two Biological Opinions (BO) issued by U.S. Fish and Wildlife Services. The 2017 BO was issued to address 11 species (including orchids, tree snails, and butterflies) that were added to the ESA list in 2015 and to re-consult on the Marianas Fruit Bat.
- Most of the BO requirements are addressed under separate natural resources contracts.
- Another programmatic requirement is to implement a Hazard Analysis Critical Control Point (HACCP) program. The objective of the HACCP program is to reduce or eliminate the spread of invasive species that could be caused by this buildup program. Most contracts will be required to develop their own project specific HACCP plan.



• Cultural Resources

- 2011 Programmatic Agreement (PA) establishes a protocol for DoN to consult with the Guam Territorial Historic Preservation Officer for this program.
- Most of the PA requirements are addressed under separate cultural resources contracts.
- Another requirement is for DoN to provide cultural resource awareness training to contractor personnel.





Construction on Guam

(Permits)



Sample list of permits from a project:

– Guam EPA (GEPA)

- Generator & Fire Pumps Construction & Operation (Air)
- Asbestos Demo & Removal (Air/Toxic Substances)
- Hazardous Waste Management (Solid Waste)
- Green Waste Processing Permit (Solid Waste)
- Clearing and Grading Permits (Water Pollution)
- Well Construction (Drinking Water)
- Water/Wastewater/Wellhead Design Review (Drinking Water)

– Guam Department of Public Works:

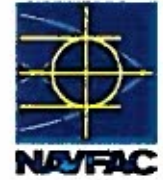
- Traffic Control Plan
- Highway Encroachment





Construction on Guam

(NAVFAC Specific: eCMS)



- **Goal: Electronic Construction Management System (eCMS) improves post-award document management (e.g. RFIs, submittals, etc.) and overall project-level communication**
- **eCMS is a web-based, enterprise project collaboration tool**
 - Allows collaboration via web-site (e.g. web browser, internet service, and digital authentication)
 - Leverages COTS software (e.g. best commercial practices based on market research)
 - Leverages cloud capabilities (speed and storage)
 - Provides other browser-based tools (e.g. scheduling tool for 3-week look ahead)
- **eCMS is intended for GOV and KTR users associated with project**
 - Use eCMS in lieu of e-mailing docs—does not replace Dr Checks or eContracts
 - Reduce number of “hard” copies (i.e. paper media)
 - Provided at minimal cost to the Contractor or other users



Safety Always!



US Army Corps of Engineers Safety & Health Requirements Manual (USACE EM-385-1-1)

- Construction contract work under the provisions of FAR Clause 52.236-13 shall comply with the latest version of the EM-385-1-1 in effect on the date of solicitation. (Latest version 30 Nov 2014.)
- Compliance with this manual shall be a contract requirement.

Activity Hazard Analyses (AHAs)

- Created and used in the field, where the involved workers are located

Good Catch Program

- Contractor proactively corrects a deficiency before it has the chance to result in a mishap. Demonstrates an active culture of Safety.

There's More Than One Terrific Reason to Be Safe at Work



THEY NEED US

Personal Protective Equipment

Your PPE is as Important as theirs!



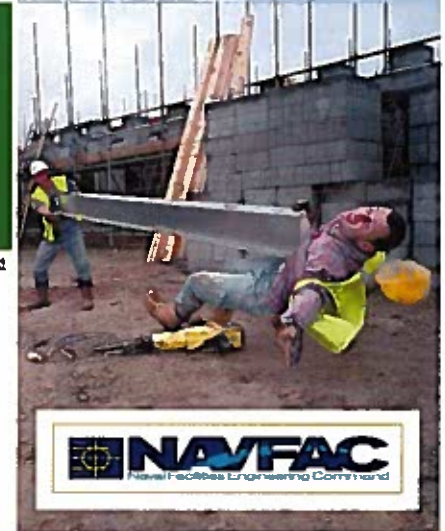
KNOWING HOW & WHEN TO USE YOUR PPE KEEPS YOU SAFE!

- **When PPE is necessary?**
- **What kinds of PPE is necessary?**
- **Know how to properly put your PPE on, wear and remove it.**
- **Know the limitations of the equipment.**
- **Know proper care, maintenance, useful life, and disposal of the equipment.**

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No workmate won't feel very good either
Falls caused by slips and trips are the most common cause of work accidents. If we all take responsibility for carelessly placed materials our accident numbers would fall... not our workmates.



Questions?

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