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## MILITARY RELOCATION TO GUAM AND CNMI PROGRAMMATIC AGREEMENT (PA) MEMO

<b>Project:</b> P-100 North Ramp Utilities, Phase 1	<b>Date:</b> March 29, 2011
<b>Project Location:</b> Andersen Air Force Base	<b>Prepared By:</b> EV23PJC

### PROJECT DESCRIPTION:

This project proposes seismic fault, geotechnical/geophysical and topographic surveys in preparation for utilities improvements at Andersen Air Force Base on the island of Guam.

Project works include munitions explosive clearance and upgrades, extension and/or replacement of portions of the utility infrastructure for electrical, communication, jet fuel, water (domestic and fire protection), and sewer systems to fulfill increased demand due to increased personnel, facilities, and operations associated with the relocation of US Marine Corps (USMC) aviation unit personnel and activities from Okinawa to the North Ramp Area of Andersen Air Force Base (AAFB), Guam.

Primary facilities include a potable water distribution system and PVC sewer force main that extends service to the North Ramp Area and connects to the existing gravity fed sewer system. The system includes sewer manholes and pump stations.

The project will construct a new 20MVA (megavolt ampere) substation at the North Ramp Area, and constructs underground distribution of electrical power through new concrete encased duct banks from the main substation at AAFB to the new North Ramp substation and extending to the new North Ramp parking apron. The project will require modifications to be made to the Guam Power Authority portion of the main substation at AAFB and also require upgrading the off base 34.5 kilovolt (KV) feeders to provide necessary equipment, and capacity to extend two 34.5KV circuits to the new North Ramp substation. The project also includes pre-cast utility vaults and electrical manholes, installation, terminations and splices of 34.5KV and 13.8KV cables.

Project constructs a communications duct bank from the AAFB communications plant to the North Ramp area. The project includes fiber optic cable from the communications plant to the North Ramp area, communications manholes, and a pre-cast communication vault.

Aircraft Fuel Distribution - Project installs new fuel pipes, connecting to the existing

**1** Stipulation V.B.3.a. of the PA requires the DoD to take into account comments received within 45 days of the date of the delivery of this PA memo to the SHPO and public notification via the CRI website.

fuel farm and extending pipes to 4 new fueling hydrants located on the north side of the new parking apron (FY 2010 P-101, North Ramp Parking, AAFB). Project includes a leak detection/alarm system.

Fire Suppression - Project provides for a fire protection system, water storage tank, diesel fire pump, and pump building.

Andersen Air Force Base is one the largest airfields in the US Air Force. It covers 6,275 ha (15,500 acres) and occupies a mostly flat, uplifted limestone plateau in the northern portion of the island of Guam. The Main Operations area in the eastern third of the base includes the main active airfield and an array of operations, maintenance and community support facilities, most of which are located along the South Ramp. The North Ramp area includes operations of the Navy's HSC-25, munitions storage in the former Strategic Command storage area, and parking apron space for contingency operations. The central third of the base is a Munitions Storage Area (MSA). The western third is Northwest Field, a WWII-era airfield that is currently used for fixed-wing aircraft, helicopter training, and various field exercises and bivouacs.

The total APE for P-100 is 436.9 acres (see Figure 1).

#### **IDENTIFICATION OF HISTORIC PROPERTIES:**

In planning for the Undertaking, the Department of Defense (DoD) has conducted extensive archaeological and architectural surveys and evaluations, and, in consultation with the Guam State Historic Preservation Officer (SHPO), Advisory Council on Historic Preservation (ACHP), National Park Service (NPS) and some Concurring Parties, we have applied the results to the siting/lay down of individual projects to avoid and minimize effects to historic properties. DoD has provided documentation of these efforts to the Signatories and Invited Signatories via Appendices D and E of the Programmatic Agreement (PA).

DoD surveys and evaluations have focused on project-specific APEs, defined consistent with 36 CFR §800.16(d) to include those portions of the island of Guam and Tinian subject to direct and indirect effects of projects included in the Undertaking, based on the Final Environmental Impact Statement (FEIS).

In addition to the archaeological and architectural surveys and evaluations, DoD has completed extensive archival research and oral history studies and interviews to identify traditional cultural properties, places, sacred sites, and culturally important natural resources such as the *donni sali*, *nunu*, *da'ok*, *dukduk*, and *ifit* trees, and medicinal plants.

More specifically, the P-100 project footprint was included in one or more of the following studies of cultural and/or historic resources conducted prior to, or in support

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of the Environmental Impact Statement (EIS) by the DoD beginning in 2007:

Athens, J. Stephen

2009 *Archaeological Surveys and Cultural Resources Studies on Guam and the Commonwealth of the Northern Mariana Islands in Support of the Joint Guam Build-Up Environmental Impact Statement, Volume I: Guam*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Contract N62742-06-D-1870, Task Order 07.

Hunter-Anderson, R., and D. Moore

2003 *Cultural Resources Snake Barrier Concept, Andersen Air Force Base, Guam*. Prepared for Innovative Technical Solutions, Inc. (ITSI), Walnut Creek, California.

TEC, Inc.

2010a *Cultural Resource Investigations Conducted in the Territory of Guam Supporting the Joint Guam Build-Up Environmental Impact Statement: Draft Archaeological Surveys on Guam 2009*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Contract N62742-06-D-1870, Task Order 07.

2010b *Cultural Resource Investigations Conducted in the Territory of Guam Supporting the Joint Guam Build-Up Environmental Impact Statement: Draft Archaeological Surveys on Guam 2010*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Contract N62742-06-D-1870, Task Order 07.

Welch, David J.

2010 *Final Archaeological Surveys and Cultural Resources Studies Conducted in 2007 on the Island of Guam in Support of the Joint Guam Build-Up Environmental Impact Statement; Volume I: Narrative*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Contract N62742-06-D-1870, Task Order 10.

Results of the study indicate that the entirety or portion of four historic properties are located within the P-100 project area.

Historic Property 1 is a WW II-era runway complex.

Historic Property 2 is one of two post WW-II encampments consisting of intact concrete pads having raised curbs.

Historic Property 3 is a WW-II and later farmstead with an isolated Latte period artifact.

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Historic Property 4 is an artifact scatter.

**ASSESSMENT OF ADVERSE EFFECT:**

Considering the information presented here and pursuant to the March 2011 "Programmatic Agreement among the Department of Defense, the Advisory Council on Historic Preservation, the Guam State Historic Preservation Officer, and the Commonwealth of the Northern Mariana Islands State Historic Preservation Officer Regarding the Military Relocation to the Islands of Guam and Tinian," the Navy has determined that this undertaking will have an "adverse effect" on an historic property in that it will lead to the physical destruction of or damage to all or part of the property.

This memo is to be retained as an administrative record of this finding.

**AVOIDANCE AND MITIGATION PLAN:**

Four historic properties are present within the APE for Project P-100. As per Stipulation V.A.1.b. of the PA, the DoD will provide a work plan subject to additional review by the Guam SHPO prior to taking action that could affect this property.

No ground disturbing activity will occur within the area proposed for data recovery and/or additional historic structure recordation until such work is complete.



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# P-100 AAFB North Ramp Utilities: Increment 1

March 22, 2011

## Legend

-  Construction Dig Site
-  Impact Footprint (P-100)

**P-100, 65.2 acres  
(Off Base Construction)**

**P-100, 371.7 acres  
(On Base Construction)**

**436.9 Acres Total**

