



18 December, 2013

Special points of Interest: Page 1

PAD Transformation and the challenges that it has brought to the installa-

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U.S. Air Force

Going Back to Basics

On, June 2013, 99th CES transformed in accordance to PAD 12-03 which broke down one flight and added a new section to the Operations engineering element, within the Operations flight. The new Requirements and Optimization (R&O) section, which I think, is the old Maintenance engineering section on steroids. *(And for those of you, who are not aware, please refer to AFI32-1001, 1 September 2005, Operation Management, section 2.1.7 provides a quick summary of the Maintenance engineering section).* The new R&O section (See Chart on Page 4) is comprised of tradecraft personnel from every CE career field, as described in section **PAD 12-03—Vol. 3**. P-Plan Appendix 1 section 4.6 breaks down this section's long list of responsibilities. "From my/our perspective, our primary mission is to bridge the gap and be a window for communication between the Operations and Engineering flights." MSgt Norman Crittle, 3E2X1, R&O Section Chief. The first few months since the R&O's inception, I had slowly seen the opportunity to better serve data stewardship through this section, strategically implementing it is yet to be seen. Their workload is becoming more demanding and yet low in manning and support from the GeoBase section is also increasing. Although no formal personnel movements have been requested in the Engi-

neering flight, the probability in providing dedicated and capable 3E5 is inevitable. Despite the flight's impending workload, our Flight Chief saw the positive potential and reluctantly agreed on providing the personnel. Working with our Flight Superintendent/Lead 3E5 MSgt MARRISA LUKE, SSgt Guillermo Rodriguez (Inspector/Civil Team) and SrA Brittany Putman (GeoBase) were the first Engineering personnel to move to the R&O section. Ms. Laralee Doebler, GIO Civilian Analyst, is tasked to ensure that they are getting the full support and needed technical guidance to carry on our business process and data management workflow.

Tackling the challenges. Dedicated 3E5 for R&O was impeccable, it has been several months since their move and we've provided necessary 3E5 personnel assistance for survey support and temporary survey rovers for fulltime use. In turn, they've also provided us (CENME) support to carry on utilities survey request from PM as needed for as-built. R&O craft leads have turn to the 3E5 to show, verify, and capture accurate Base Map and utilities information. We are only seeing the tip of the iceberg and our R&O office is still not 100% manned. We need to keep up with our responsibilities by proper as-built,

Challenges: 3E5 personnel

4th Quarter, 2013

who understand our business process management and workflow. Currently, 99th CES Operations flight does not manage/support other ranges.

Ultimate goal is to better serve our customers while meeting budget constraints.

Article Submitted by Cathy Hall, Nellis GeoBase Office



MSgt Norman Crittle, 3E2X1, R&O Section Chief, verifying recently completed airfield segmentation with assigned FAC ID with TSgt Stroman.



(Left-to-Right). TSgt Samuel Stroman, 3E2X1; SrA David Camp, 3E5X1; Ms. Laralee Doebler, Civ, GIO Analyst; SrA Brittany Putman, 3E5X1

TSgt Stroman, Airfield and Transportation Network AMP & Pavements Mgr, is requesting roads information for AMPs data requirement and linear segmentation review. SrA Camp is filling in for SrA Putman due to her upcoming deployment while Ms. Doebler is working on setting up SrA Camp for his edit version.



Laralee Doeblar, Nellis AFB Geo-Base Office

Letters of Thanks – Nellis GeoBase Office

Please pass along our thanks to Laralee Doeblar. Her support and mentorship to the Engineers in the R & O section has been amazing. She has enabled us to overcome hurdles and complete some very important tasks requested by ACC. If it weren't for her assistance, I'm not sure if things would have gone so smoothly with a few of the

projects we have completed. Her continued support and training has been a tremendous instrument for us to utilize. She has never asked for anything in return and is always there when our section needs her assistance. So, on behalf of the Ops flight and the Requirements and Optimization section, please be sure to pass along our heartfelt THANK YOU!!

NORMAN CRITTLE, MSgt, USAF Section Chief, Requirements & Optimization 99 CES Nellis AFB, NV 89191



SSgt Jan Morteo, interning with the Shaw AFB GeoBase

Shaw EA steps up to the plate and provides help to ANG Base

Shaw has loaned an EA to McEntire Joint National Guard Base with assistance in data collection and GeoBase integration .

SSgt Robert Jacobs has been assisting for approx. 2 months.

Supplied By: DAVID F. POYTHRESS JR GS-11 USAF ACC 20 CES/CENME

Shaw EA Interns with the Base GeoBase Office while working on his Geography Degree

One of our 3E5s is doing an internship through his university with us. SSgt Morteo is obtaining his geography degree and we have accepted him as an intern in the GeoBase section.

Supplied By: Dennis Jones, SSgt, USAF NCOIC GeoBase



State of Georgia seal



Moody GeoBase Operation provides help to the State of Georgia.

The week of the 25—29 of November, we were tasked to recommend to the state of Georgia Legislature possible land acquisition opportunities around Moody AFB. This involved overlaying multiple county tax parcels, base and range outlines,

aerial photography, flight tracks, airfield criteria, noise contours, QD arcs, conservation easements and wetlands. With the help of a little state clearing house and Regional Development Center information we provided quick, clear, on and off

base information to senior leaders. An impressive demonstration of GIS.

Supplied by: William S. (Bill) Bryan, 23 CES/CEN, Chief Engineer.



Training Corner

As our funding dwindles the training that our personnel receive becomes critical. We are faced with the majority of our training being offered in a virtual environment. This is difficult especially to the personnel new to the career field. There are several ways that this type of training can be accomplished. We here at the MAJCOM have taken the time to break out the training that is being offered by the following GIS vendors that the USAF uses for the GeoBase Program by 3, 5, and 7 level courses.

ESRI

We have identified the ESRI (GIS) coursework that are available under the ELA and are provided to the USAF CE organizations. And other authorized organizations.

Autodesk

We have looked at the Autodesk programs offered on vGuide and have segregated the training by 3, 5 and 7 level coursework to assist with career progression and qualifications have need to be met. There are a few trouble spots when setting up and account for training. It is best to utilize FireFox when setting up the training environment vs. Internet Explorer.

Trimble

Our AF representative is Pacific GPS and they can assist us if training is needed. The virtual campus for Trimble has been evaluated through the same process to assist the student who is working towards satisfying their 3, 5 or 7 level training needs.

So if you are interested we can post the Training Spreadsheet on the ACC SharePoint Site and can also send out the information to individual bases. SharePoint site Address:

<https://acc.eim.acc.af.mil/org/a7/A7Z/A7ZG/A7ZGIO/default.aspx>

Navigate to the ACC IGI&S Document Library; then select the Plans and Programs folder. In-



ESRI



Autodesk



side you will see the Training folder. Select the GIS program needed and you should find the information available. If not email the training section; Deborah.Darsey.ctr@us.af.mil

Technical Corner

This site is helpful when working with the 3.0 Data Model. (Provided By Dana Torres – ACC Geospatial Engineering Lead)

https://app.eis.af.mil/a7cportal/ProgramGroups/Resources/GeoBase%20Documents/AF_Adaptation_30_Data_Dictionary_v1.1/AF_Adaptation_30_Data_Dictionary_v1.1.html

If you are having Problems downloading or uploading information to the ACC SharePoint site, the problem may be as simple as not having the correct permissions to perform these actions. If you are having trouble please let Raun Olson know and he or someone in his section can probably correct the problem. Raun is our Systems Engineering Lead here at HQ ACC/A7ZG.
raun.olson.ctr@us.af.mil

COTS and GOTS site to look up approved software - <https://cs.eis.af.mil/afdaa/Lists/COTSGOTS%20Software/All%20Products.aspx>

A way to send large amounts of information 2G - <https://safe.amrdec.army.mil/safe/>

ACC Viewer Operations in support of Typhoon Haiyan

You know that the viewer is used for many different situations needs. Recently when Typhoon Haiyan hit the Philippines, ACC responded to imagery requests from AMC and PACAF. We were able to download and process imagery taken before and after the disaster. This was very beneficial to the response operations that the USAF assisted with for assessments of useable runways. Below are two of the areas that the ACC Geospatial Engineering team worked on. ACC stood up a separate viewer specifically for the recovery operations.

Below is the Web address for the viewer that was set up to assist with the recovery efforts

<https://maps.acc.af.mil/geobaseviewer-flex/Index.html?config>

Recently when Typhon Haiyan hit the Philippines ACC responded to Imagery requests from AMC and PACOM.



Romualdez Nov 10, 2013



Roxas Nov 15, 2013

Continuation from Page 1 – Going Back to Basics

Table II – 1: R&O Section Mission Essential Level 1 Tasks

R&O Section Mission Essential Level 1 Tasks	Skill Set	Grade or Skill Level	Source From	Existing Ops FTEs	New to Ops Bare Min FTEs	New to Ops Ideal State FTEs
R&O OIC (Targeted Development)	CGO	Capt or Sr 1Lt	Existing CES Auths	0	0	1 (CGO)
R&O Lead Engineer (Targeted Development)	Any Engineer	GS-12	Dual Hat Any Engineer	0	0	1 (Engr)
R&O NCOIC	Any MSgt/TSgt	MSgt/TSgt	Existing CEO Auths	1	0	0
Integrate & Synchronize Operations Flight Work Force: Demand Maintenance / Customer Service, WORB, IWP	Workforce Manager (3E6)	Any Mil or GS7/9	Existing CEO Auths	Match Existing	0	0
Integrate & Synchronize Operations Flight Work Force: ACES/IWIMS/Tririga Data Standards & Analysis	Workforce Manager (3E6) or Data Analyst	7-Lvl 3E6 or GS-7/9	Existing CEO Auths	1	0	0
Integrate & Synchronize Operations Flight Work Force: GIS Data Standards & Analysis	Engineer Assistant (3E5)	5- or 7-Lvl	Existing CEP Auths	0	1 (3E5)	2 (3E5)
Integrate & Synchronize Operations Flight Work Force: Industrial Control Systems Standards & Analysis	Elect or Mech Engineer	GS-11	Existing CEP Auths	0	0	1 (Engr)
Integrate & Synchronize Operations Flight Work Force: Contract Project Review Integration	Any NCO	7-Lvl	Existing CEO Auths	1	0	0
Integrate & Synchronize Operations Flight Work Force: Contingency Planning & Response	Workforce Manager (3E6)	Any Mil or GS7/9	Existing CEO Auths	Match Existing	0	0
Manage Airfield & Trans Networks AMP & Pavements: Airfield Pavements & Roads/Parking Lots	Civil Engineer Pavements Technician (3E2)	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing Ops Auths	1 (3E2)	1 (Engr)	1 (Engr)
Manage Utilities AMP	Elect, Mech, or Civil Engineer		Engineer: Existing CEP Auths Tech: Existing Ops Auths	0	1 (Engr)	1 (Engr)
Manage Utilities Electrical Systems: Electrical Distribution and Airfield Lighting	Electrical Engineer Electric Technician (3E0)	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing CEO Auths	1 (3E0)	1 (Engr)	1 (Engr)
Manage Utilities Mechanical Systems: Water, Wastewater/Stormwater, & Mech Distribution	Civil / Mech Engineer WFSM Technician (3E4)	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing CEO Auths	1 (3E4)	0	1 (Engr)
Manage Facilities Mechanical Systems: HVAC/ODC & Plumbing	Mechanical Engineer HVAC Technician (3E1)	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing CEO Auths	1 (3E1)	0	1 (Engr)
Manage Facilities Interior Utilities Systems: Power, Interior Electric, & Alarms	Elect or Mech Engineer Electrical/Power Technician	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing CEO Auths	1 (3E0)	0	1 (Engr)
Manage Structural Systems	Civil Engineer Structures Technician (3E3)	1Lt or GS-11 5- or 7-Lvl	Engineer: Existing CEP Auths Tech: Existing CEO Auths	1 (3E3)	0	1 (Engr)
Total				9*	4	12

*Plus existing 3E6s and civilians

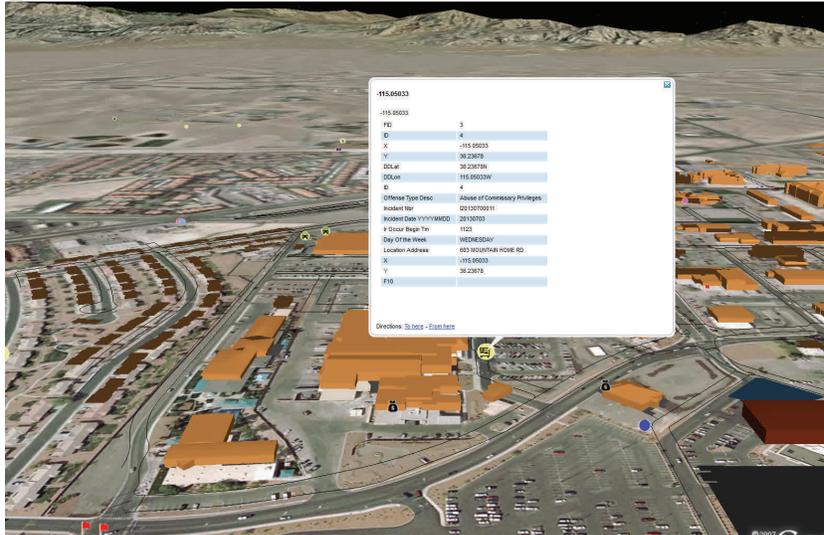
Units that are only manned to field the bare minimum authorizations in R&O Section will be required to dual hat the New-to-Ops FTEs. For example, instead of separate electrical engineers to manage interior electric, electrical distribution, and industrial control systems, if bases can only field one electrical engineer in Operations Flights, that individual will be responsible for managing all of those programs and delivering all required deliverables detailed in the BLFTs. Likewise, those 3 engineers will have to be dual hatted in the R&O shop leadership position (ideally a CGO).

Hot Spot Analysis - Big Hit with Security Forces

Though it is in its infancy stage, the Security Forces operations at Nellis are experimenting with the process of Hot spot analysis.

When you are looking for a solution that produces a result in a situation that is very fluid and ever changing — Hot spot analysis provides an option for the Security Forces at Nellis.

Information Provided by Cathy Hall



Cathy Hall, Chief Technical Support for Nellis AFB GeoBase Program

Shadow Program that is Actively used at Nellis AFB, NV.

According to Cathy Hall, the Nellis GIO, this concept is how she keeps her troops integrated and welcomes her new incoming Airmen to the CE Squadron.

The process works like this. When an airman arrives at Nellis they are assigned to follow some one for a short period of time to acquaint them with the workings of the squadron and

of the work load that they will be assigned with. This allows the Airman the time to adjust to the new environment and to the Squadron's processes used in their new environment. The old concept of on-the-job (OJT) training process has an updated face. This process has been around for some time but the process that Cathy uses is successful for them at Nellis.

To find out more about the Shadow program used at Nellis, contact Cathy and I am sure she will share her successes and process that are used there so successfully.

Information for the basis of this article provided by Cathy Hall .

Check out the Shadow Program which is currently working at Nellis GeoBase Operations

ACC Workshop scheduled for March 2014

The 11 thru 13th of March, 2014 ACC will be hosting the GeoBase Workshop here at Langley AFB. This workshop will be hosted utilizing the DCO connection which is becoming more a part of our workdays and work environment. There will be training conducted and we will have representatives from ESRI, Autodesk and Pacific GPS, Authorized representative

for Trimble for the USAF. Along with training there will be discussion forums that your base personnel may join in as we always welcome comments and information shared from the installations on solutions developed in the field that may be of benefit to the rest of the command when dealing with problems within the CE and

GeoBase environments. SMSgt Michael Yudinsky will be leading the workshop and at this time welcomes input towards a more productive workshop.

So mark your calendars and be on the lookout for more information on the upcoming Workshop.



SMSgt Michael Yudinsky Program Lead For ACC GeoBase

U.S. Air Force

ACC / A7ZG
129 Andrews Street
Room 228
Langley AFB, VA 23665

Here is how you can email us:
ACCA7ZGInstall@us.af.mil



The History of the Air Combat Command GeoBase program here at Langley started in 2000. The program was born out of an IITA initiative started by Col Brian Cullis at USAFA in the 1990s. The program has grown and is providing services and products to over 14 Garrison installations and 10 ranges within the CONUS Area of Responsibility (AOR). In the Expeditionary arena we support the CENTCOM and SOUTHCOM AORs. AFCENT supports over 600 airfields conducting Enduring Freedom and other operations, whereas AFSOUTH supports Counter-Transnational Organized Crime and Humanitarian Relief operations.

For more information please contact Deborah Darsey at the following Address; Deborah.Darsey.ctr@us.af.mil

AF Portal - <https://www.my.af.mil/accgeoprod/geobaseviewer>
milBook - <https://www.milsuite.mil/book/groups/acc-geobase-community>

Hail And Farewells

Shaw AFB, SC

Welcome SSgt Austin Marshall and SSgt Timothy DeJong

Saying farewell to SSgt Candice Pelletier

Nellis AFB, NV

Farewell to SSgt Guillermo Rodriguez NCOIC, Engineering Support (R&O Section)

AFCENT, Shaw AFB, SC

Welcome Paul Brillinger, Farewell to Anthony Oniyelu

AFSOUTH, Davis Monthan AFB,

AZ

Welcome Roger Pollard

Moody AFB, GA

Welcome Megan Weintraut

Continue — Moody AFB

Farewell to Richard Lewis



Raising the Flag at Langley AFB, VA