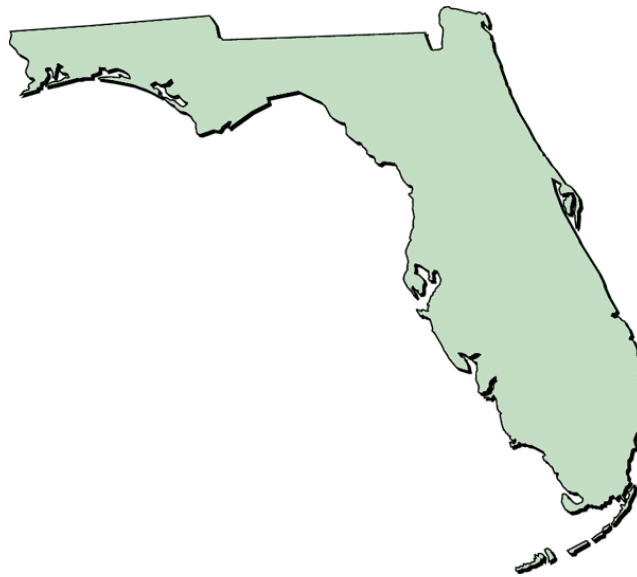




# **Florida's Military Installations Linkages Study**



**conducted by**

**The Principi Group and The SPECTRUM Group Team**

**for the**

**Florida Defense Support Task Force**

**February 10, 2015**

**Florida’s Military Installations  
Linkages Study**

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# **Florida's Military Installations Linkages Study**

## **Executive Summary**

### **Background**

The Florida Defense Alliance requested that the Florida Defense Support Task Force undertake a study to examine the linkages between the major Florida military installations to show a military infrastructure and operations network that would be synergistic, bringing added value to the installations, the State, and the Nation. The structure of this study includes a scope, methodology, study team composition, definitions, analysis, conclusions, recommendations, and detailed summary of linkages by Navy, Air Force, Team Orlando, Coast Guard, and Florida National Guard.

### **Scope**

The scope of this study was to identify the connectivity, interdependent functions and linkages between Florida's military installations and missions, with the goal of identifying and graphically portraying the "Florida Federal Military Complex". It included relationships relating to command functions, support responsibilities, training requirements and facilities, military operations, and others as appropriate. The intent of the scope was limited and not designed to provide a comprehensive study of linkages or relationships in every area. It was to provide the major linkages between major entities to illustrate the level of linkages that exist, and to assess where those linkages had meaning or provided opportunities for better integrated efforts related to the Florida Defense Support Task Force's or the Florida Defense Alliance's missions.

### **Methodology**

The Principi Group, in partnership with The SPECTRUM Group, created a Linkages Team consisting of former military, Department of Defense, and local Florida defense support experts and veterans. Working with the FDSTF staff, the Team identified eight functional areas on which to focus its efforts and search for linkages between Florida installations, to include the U.S. Coast Guard and Florida National Guard.

With some Florida military installations hosting as many as 70 different tenant units from numerous Major Commands (MAJCOMs), the Team focused its analysis on the key, major tenant units in each installation, those which have the most significant and far-reaching impact on the facility. Additionally, we did not highlight the linkages between activities on an installation with other tenants on that installation, which are innumerable, as our focus was the linkages between Florida's major installations.

Additionally, this report identifies the command and support linkages between the major Florida installation tenants and the major commands around the United States in order to demonstrate the important role that Florida's installations play in the national defense.

Team members, using a standardized data collection template, gathered the required information through a variety of methods and portrayed the information in two formats: text and graphics. The draft report was staffed with the Florida Defense Support Task Force staff and the Florida Defense Alliance, and we would like to acknowledge and thank them for their important input.

Of note, the graphic depictions in this document are meant to be descriptive, not necessarily geographically precise. In order to illustrate linkages, the team took certain liberties, especially when separating locations that are in very close proximity in order to provide sufficient illustrative fidelity. Additionally, not every linkage is graphically depicted, when they are either minor or do not add to the illustration of the linkages between major military installations.

## **Analysis**

The linkages between Florida's military installations are extensive, and Florida's military installations play an important role in the Department of Defense.

Florida's extensive ranges are formidable, and Florida's unique geography facilitates productive exploitation of the off shore range areas for air, surface, and sub-surface training and testing by multiple users in the State and other states as well. The Joint Gulf Range Complex, the Jacksonville Range Complex, Pinecastle Bombing Range, the Key West Range Complex, and when needed for space launch, the East Range complex, offer a capability to the Department of Defense second to none. Additionally, the significant controlled air space useable at Avon Park Air Force Range and Camp Blanding offer a capability for multiple users over land. Because of the other capacity and characteristics of Florida bases, these ranges attract customers from outside the state and are a reason why Florida's military installations remain valuable for the Department of Defense.

There are extensive internal linkages between installations in the areas of command and control, training, operations, and indirectly, the work done in research and development at both Eglin AFB and Team Orlando. There were relatively few linkages between Florida's major military installations in the areas of communications support, administration, logistics (with the notable exception of aviation maintenance support), and health care. As for interstate linkages, we found that there were extensive linkages in command and control, training, and research and development (especially the indirect linkages of Team Orlando's work). To a lesser degree there were substantial linkages in the area of operations, and relatively little linkage in the areas of

communications support, health care, and logistics (with the notable exception of aviation support due to the activities of FRC-SE in Jacksonville).

## Conclusions

There are significant linkages in select areas, where the linkages to other installations increase the value of local installations. This is particularly true in the area of training, which is an important factor in military value. The study team's conclusion is that the extent of these linkages, and the effect they have on military value is not well known in some local communities. Two key areas are Avon Park Air Force Range and Naval Air Station Key West (specifically, the Tactical Combat Training System (TCTS) located at NAS Key West and the Key West Range Complex) which provide superb capability that is used by numerous other Florida installations and customers from outside the State

Training is the most extensive and valuable area of Florida's installation linkages. The linkages are prolific, and highly valuable. The most important of these are the training linkages with the Tactical Combat Training System (TCTS) located at NAS Key West and the Avon Park Air Force Range. Also, Camp Blanding provides a cost efficient training capability to Florida National Guard units throughout the state, and Eglin AFB provides support to a number of regional installations.

One area in training that was not apparent was the utilization of major Florida base facilities and ranges beyond Camp Blanding by local National Guard units. It was unclear to the study team if the utilization does not frequently occur or if the utilization merely tends to be undocumented and publicized.

The external command and control linkages that Florida's major military installations have are extensive. Clearly, Florida is a key part of the Nation's defense structure, and multiple commands rely heavily on the subordinate commands that reside in Florida.

The role that Florida plays in the operational defense of the Nation is important. As a force projection capability, Florida's location and proximity does not offer a significant advantage to DoD than other locations. However, for certain "defense of the homeland" missions, such as the JIATF-South mission, or contingencies regarding protection of the "southern flank" of the U.S., countering mass migration, and providing humanitarian assistance during major national disasters, the location of Florida's installations and capability offer significant advantages to DoD. Additionally, location of SOUTHCOM headquarters in Miami offers that command physical proximity to its area of responsibility closer than other areas, and also access to many of the commercial relationships that exist between the U.S. and many Central and South American interests.

Because most of the modeling, training, and simulation (MT&S) work that is done at Team Orlando results in products that take an indirect route to be fielded through the Services to Florida's installations, the key role that Team Orlando plays is

underappreciated in many communities outside the Orlando area. Additionally, because of the nature of R&D work often being somewhat secretive, even that which occurs on an installation may be conducted unknown to the surrounding community. Therefore it is underappreciated for the significance it has on the value of the installation.

There is relatively little logistics linkage between the installations in Florida with the notable exception of the Fleet Readiness Center's impact on aviation maintenance, which not only impacts Florida's Naval aviation and helicopter support, but Naval Aviation throughout the country and world. The Marine Corps Support Facility at Blount Island, which has essentially no impact among the military installations in Florida, is an important part of the Marine Corps readiness to execute the Nation's contingencies.

The nature of health care and its provision by the services drives a scarcity of linkages other than medical command and control between medical care at installations and other installations in the U.S. One opportunity that may exist is the relationship between medical care and the significant Veterans Administration medical capability in Florida. It would be worthy of study to determine if there are some synergies to be achieved with proposals that would allow the VA (especially with the significant military retiree population in Florida) and military medical systems to cooperate more extensively in providing health care to the military, their family members, and veterans.

## **Recommendations**

1. Sustain state-wide support and prevent encroachment of Florida's military ranges, especially Avon Park Air Force Range, Camp Blanding, and the Gulf, Key West, and Jacksonville Range Complexes and military operating areas.
2. Ensure communities and Congressional representatives such as those around Homestead ARB, Hurlburt Field, and Patrick AFB understand the importance of the combatant commands have on their units and missions.
3. Publicize the tremendous value that NAS Key West, the Tactical Combat Training System (TCTS), and the Key West Range Complex provide to units located at Patrick AFB, Hurlburt Field, Tyndall AFB, Eglin AFB, NAS Pensacola, Whiting Field, Homestead ARB, and the Florida Air National Guard with the communities and Congressional representatives who have interests in these customer bases.
4. Ensure that at the State level there are relationships with the commands that have multiple subordinate commands or relationships with units in Florida. Ensure that they understand the value that location in Florida of these elements brings to the command as a whole, especially in the areas of cost savings and synergy due to location. The most important commands include Service Special Operations Commands, Air Combat Command (ACC), Air Mobility Command (AMC), Air Force Reserve Command (AFRC), Air Force Material Command (AFMC), Air Education and Training Command (AETC),

Naval Air Systems Command (NAVAIR), U.S. Fleet Forces Command (FFC), Naval Facilities Engineering Command (NAVFAC), the Air National Guard, the Army National Guard, U.S. Northern Command (NORTHCOM), U.S. Transportation Command (TRANSCOM), and U.S. SPACECOM.

5. Publicize the value that Avon Park Air Force Range, NAS Key West, and Camp Blanding provide to the local installations and units throughout Florida that depend on them for training and to broaden the “stakeholder base” in preserving these valuable Florida installations.

6. Increase local National Guard utilization of facilities and ranges on nearby major military installations to add to the value these installations provide to the Department of Defense, and also to increase the “stakeholders” in sustaining the Florida National Guard structure, which is critical to the State.

7. Continue to promote the capability and mission criticality of NAS Key West, Avon Park Air Force Range, and Camp Blanding with senior military leadership, the Florida Congressional delegation, and the communities that are the frequent users of these installations’ facilities.

8. Help to publicize at National level in DoD and among the Congressional delegation (beyond South Florida’s representatives) the importance of JIATF-S and the SOUTHCOM mission, and their benefit from their current locations.

9. Help to publicize among the Congressional delegation, major commands, and communities in Florida the significant role that Florida’s military installations play in “defense of the homeland” and contingency operations.

10. To the degree which it can be done, publicize the research and development capabilities that installations are performing with local communities and the important role they play in the value these installations bring to DoD. Additionally, publicize throughout the State and to the Congressional delegation the importance Team Orlando plays in creating effective modeling, training, and simulation capabilities to the installations in their district and/or state.

11. Build greater awareness among senior DoD leaders of Team Orlando’s value and the synergistic value of its components’ location in Orlando. Publicize the same with communities that benefit from their work and also with the Congressional delegation having districts outside the Orlando area.

12. Publicize the capability and contribution Fleet Readiness Center Southeast and the Marine Corps Support Facility provide to DoD among the non-local Congressional delegation and militarily outside of the Naval Aviation community and the Marine Corps Logistics communities.



13. Determine if there are some synergies to be achieved with proposals that would allow the Veterans Administration facilities and military medical systems to cooperate more extensively in providing health care to the military, their family members, and veterans.

14. Prepare tailored briefings of the Linkages Study results and brief the Florida Defense Alliance, Congressional Delegation, and select community organizations.

# Florida's Military Installations Linkages Study

## Report

### Introduction

At the June 17-18, 2014 meeting of the Florida Defense Alliance (FDA), discussions among local Florida community defense organization representatives, FDA and Florida Defense Support Task Force (FDSTF) members and staff focused on identifying as yet unidentified strengths and opportunities for military installation mission sustainment within the state. These discussions yielded the notion that there were numerous mission and command linkages between and among the major military installations in Florida that, when identified and viewed from above, would show a military infrastructure and operations network that was synergistic and brought added value to the installations, the state of Florida and the Nation's defense.

While the notional and anecdotal thoughts held out the promise that this network of installations and missions was important and should be preserved and fostered, little actual empirical evidence existed. If the state and local military host communities were to play supportive roles, they would need expert research and analysis to form the basis of future actions and programs.

Toward this end, the Florida Defense Alliance requested that the FDSTF undertake a Linkages Study and drafted a proposed scope of work. The request asked that the FDSTF contract with the Principi/SPECTRUM Team, already under contract with the FDSTF and intimately knowledgeable about Florida's military installations and mission, to perform this study. Further discussions between FDA and FDSTF staff and leadership produced a Scope of Work. At its July meeting and subsequently at a specially called public meeting in August 2014, the FDSTF discussed and voted unanimously to have the Principi/SPECTRUM team perform the analysis.

The structure of this study includes the scope, methodology, study team composition, definitions, analysis, conclusions, recommendations, and detailed summary of linkages by Navy, Air Force, Team Orlando, Coast Guard, and Florida National Guard.

### Scope of the Study

The scope of this study was to identify the connectivity and interdependent functions and linkages between Florida's military installations and missions, with the goal of identifying and graphically portraying the Florida Federal Military Complex. The task was to include information regarding relationships relating to command functions, support responsibilities, training requirements and facilities, military operations, and

other areas as appropriate. The synergy unique to Florida and its benefit to US National Defense was to be demonstrated. Linkages in such areas as training, command and control, communications, health care, logistics and operations, including those with interfaces to joint use assets such as test and training ranges, and airspace and waterways were to be identified. Additionally, the study was to portray the command and control and support linkages between the major installation tenants and the major commands around the United States, in order to demonstrate the role that Florida's military installations play in the national defense.

The scope was limited and not designed to provide a comprehensive study of linkages or relationships in every area. It was to provide the major linkages between major entities to illustrate the level of linkages that exist, and to assess where those linkages had meaning or provided opportunities for better integrated efforts related to the Florida Defense Support Task Force's or the Florida Defense Alliance's missions.

## **Methodology**

The Principi Group, in partnership with The SPECTRUM Group, created a Linkages Team consisting of U.S. military, U.S. Department of Defense and local Florida defense support experts and veterans. Working with the FDSTF staff, the Team identified eight functional areas on which to focus its attention and search for linkages between and among Florida military installations, including the U.S. Coast Guard and the Florida National Guard. These linkages include those listed below and are defined in the subsequent section of this report.

- Command and Control
- Communications
- Training
- Operations
- Administrative Support
- Research and Development
- Logistics
- Health Care

With some Florida military installations hosting as many as 70 different tenant units from numerous Major Commands (MAJCOMs), the Team focused its analysis on the key, major tenant units in each installation, those which have the most significant and far-reaching impact on the facility. Additionally, we did not highlight the linkages between activities on an installation with other tenants on that installation, which are innumerable, as our focus was the linkages between Florida's major installations.

Additionally, this report identifies the command and control and support linkages between the major Florida installation tenants and the major commands around the United States, to demonstrate the role that Florida's military installations play in the national defense.

Team members, using a standardized data collection template, gathered the required information through a variety of methods including, but not limited to:

- Written communication with installation leadership
- Telephone and in-person interviews with installation leadership
- DOD and military service website searches
- Review of the 2013 installation SWOT analyses conducted by the Principi/SPECTRUM team
- Interaction with local community defense support organization members

Data collected by the team was consolidated and is portrayed in two formats, text and graphics. Because of the unique nature of this study and the magnitude of information collected, these formats complement each other and afford the opportunity to present the findings to audiences with varying degrees of understanding of military structure and hierarchy.

The draft report was staffed with the Florida Defense Support Task Force staff and the Florida Defense Alliance, and we would like to acknowledge and thank them for their important input.

Linkage Study Team members contributing to this study included:

- Mr. Jim Breitenfeld, Florida Community Coordinator (Team Lead)
- Major General Michael D. Jones, USA (ret)
- Rear Admiral James B. Hinkle, USN (ret)
- Major General Keye Sabol, USAF (ret)
- Major General Stephen R. Layfield, USA (ret)
- Lt. General Steve Blum, USA (ret)
- Colonel Frank Cirillo, USAF (ret)

Of note, the graphic depictions in this document are meant to be descriptive, not necessarily geographically precise. In order to adequately illustrate linkages, the team took certain liberties, especially when separating locations that are very close together in order to provide sufficient illustrative fidelity. Graphics have not been included for some minor linkages.

**Linkage Definitions:** For the purposes of this study, we grouped linkages into the following categories and defined them as below:

- **Command and Control**
  - The exercise of authority and direction over assigned and attached forces on other installations (also called C2)

- **Communications**
  - The provision or coordination of communication services or capability between installations
- **Training**
  - A linkage between installations where major entities from one use ranges, lands, or airspace of another to accomplish their training requirements
- **Operations**
  - A linkage between installations that share key parts of a unit's mission
- **Administrative Support**
  - A sharing of administrative duties or services, e.g. human resources or payroll
- **Research and Development**
  - A linkage between installations that share an interest in a particular developmental technology or research project
- **Logistics**
  - A provision for sharing of logistic support between installations
- **Health Care**
  - A provision for sharing health care support between installations

## **Analysis:**

The linkages between Florida's military installations are extensive, and Florida's military installations play an important role in the Department of Defense (Figure 1).

As a whole, the extensive range areas are formidable, the superb weather facilitates year-round training, and Florida's unique geography facilitates productive use of the off shore range areas for air, surface, and sub-surface training and testing by multiple users in the State and from other states as well. The Joint Gulf Range Complex, the Jacksonville Range Complex, the Key West Range Complex, and when needed for space launch, the East Range complex, offer a capability to the Department of Defense second to none. Because these range complexes are over water, and therefore aircraft can fly at very low altitudes, it allows pilots to experience conditions differently than when they are flying at the large western ranges inside the U.S., where the altitudes are

higher (and therefore air is thinner). Additionally, the significant controlled air space useable at Avon Park Air Force Range and Camp Blanding offer a capability for multiple users over land. It is in the interest of stakeholders across the State to sustain support for the incredible resource these ranges represent, as they add military value to numerous Florida installations based on their proximity. Additionally, because of the other capacity and characteristics of Florida bases, these ranges attract customers from outside the state and are a reason why Florida's military installations remain valuable for the Department of Defense.

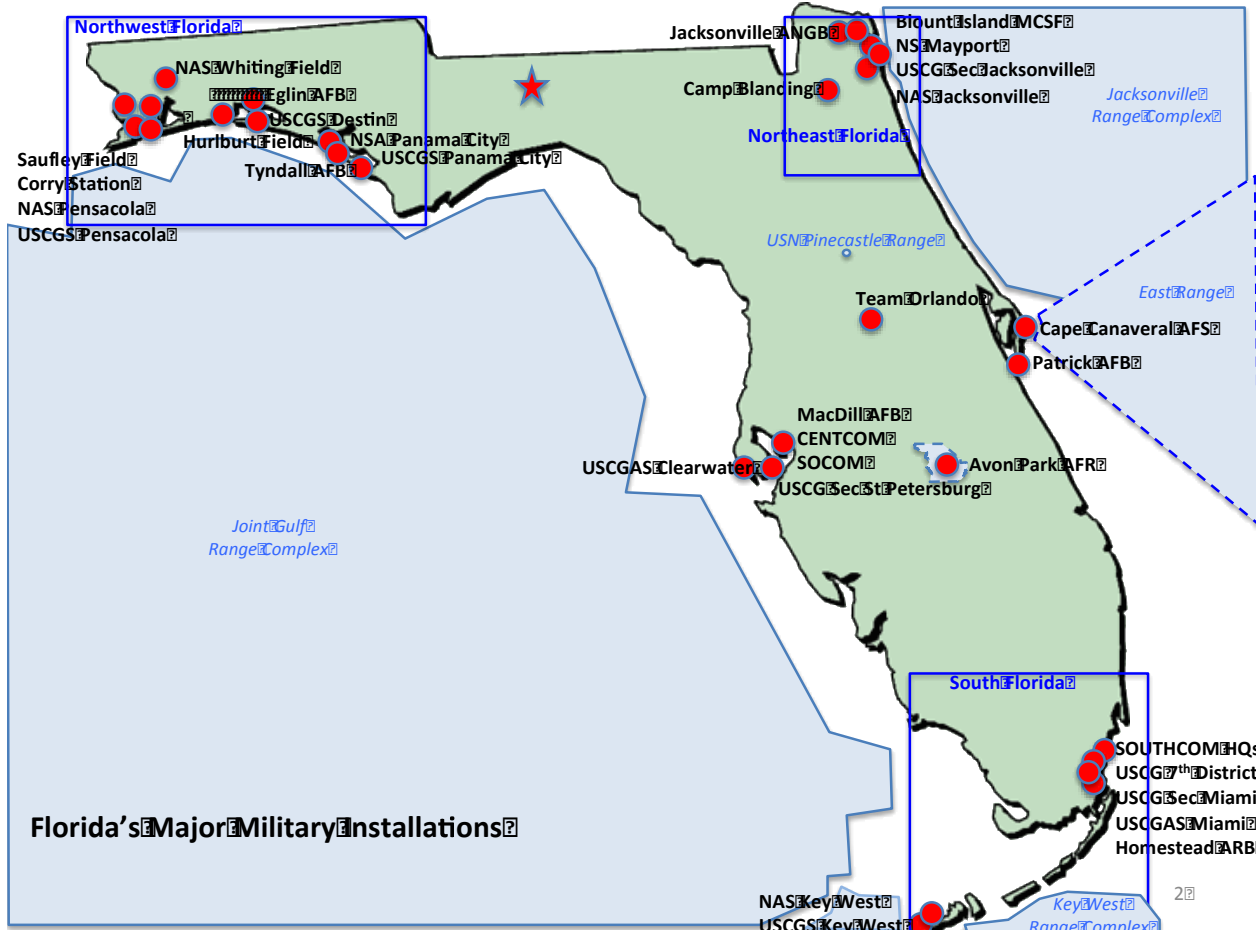


Figure 1. Florida's Major Military Installations and Ranges

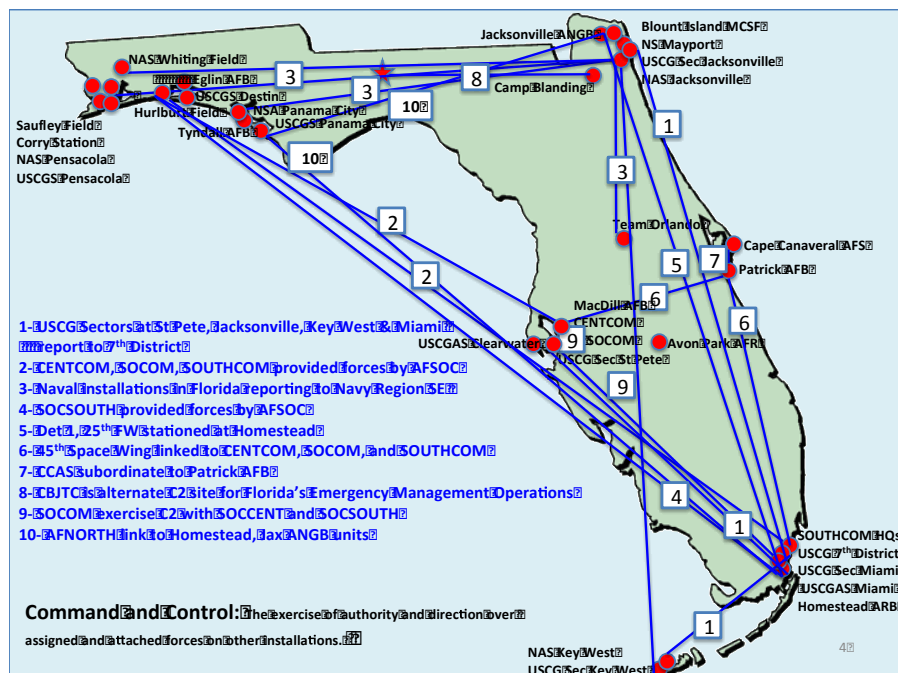
The analysis has been divided into *intrastate* linkages (among installations located in Florida), and *interstate* linkages (connections with entities outside of Florida).

## Intrastate Linkages

- Command and Control

There are extensive command and control linkages between tenants on Florida's many installations. Navy installations in Florida report to Navy Region Southeast in Jacksonville. Additionally, the location of three U.S. Combatant commands in the State drive a number of relationships and linkages, principally between Hurlburt Field and MacDill AFB/ SOUTHCOM in Miami, and between SOUTHCOM and Homestead Air Reserve Base. The importance of the combatant commands, and the desirability to have them close to their component commands and others they work with should not be lost on the other communities. Additionally, the 45<sup>th</sup> Space Wing provides support to the Combatant Commands. Finally, AFNORTH has links to the units at Homestead ARB and Jacksonville ANGB, tying in the Air Guard and Air Force Reserve in Florida.

As one would expect, the Coast Guard has extensive command and control linkages. While we have only graphically depicted the relationship between 7<sup>th</sup> Coast Guard District in Miami to the Coast Guard Sectors and Coast Guard Air Stations that work for the District, there are actually many more locations. Each Coast Guard Sector has a number of Coast Guard Stations under its command. For instance, Sector Jacksonville has Cost Guard Stations in Mayport, Ponce De Leon, and Port Canaveral under its command. Additionally, the three Northwest Florida USCG stations (Pensacola, Destin, and Panama City) actually report to the 8<sup>th</sup> Coast Guard District in New Orleans through USCG Sector Mobile. AL. Details of these relationships may be found in the Coast Guard Linkages summary sheets toward the end of this report.



**Figure 2. Key Command and Control Linkages in Florida**

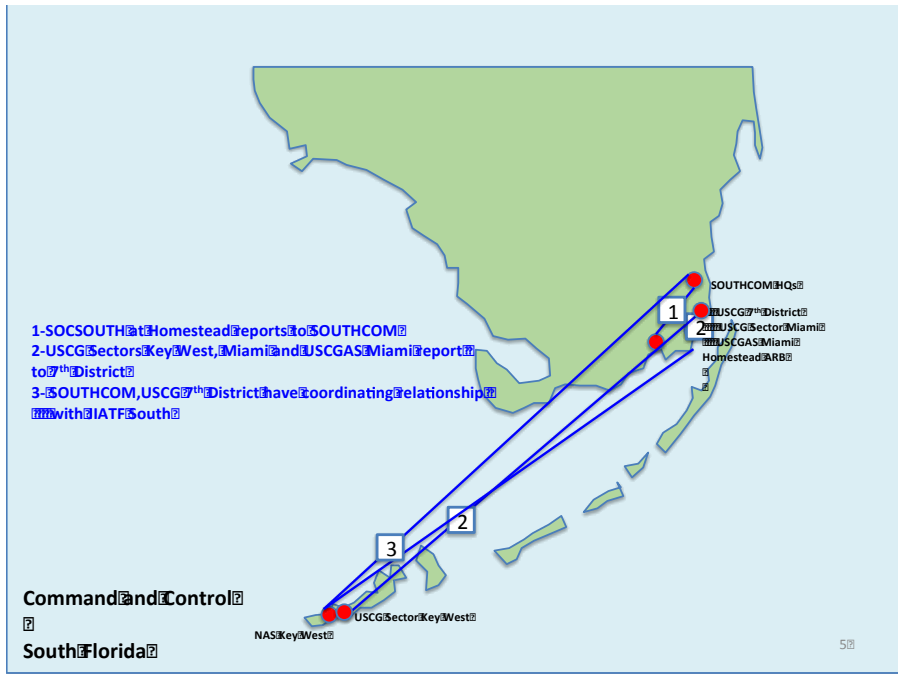


Figure 3. Key Command and Control Linkages in South Florida

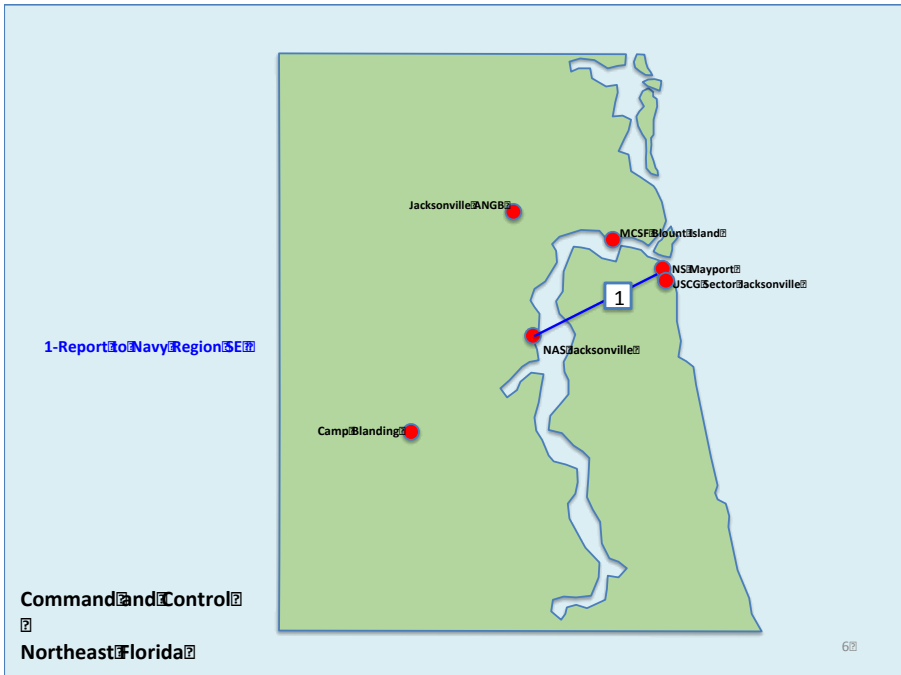


Figure 4. Key Command and Control Linkages in Northeast Florida





**Figure 5. Key Command and Control Linkages in Northwest Florida**

- **Communications**

We found relatively few examples of communications support between Florida’s installations. This is probably not unusual, given the commercialization of much communication support services and the Service-centric nature of how communications support services are provided. The linkages we did discover were important ones, however. Primary ones were the support that the Joint Communications Support Element provides for the combatant commands, including SOUTHCOM in Miami, and the frequency deconfliction that NSA Panama City and Eglin AFB perform. Additionally, Camp Blanding is home of the Regional Emergency Response Network fleet, a communications resource that is critical to the state of Florida during catastrophic events and disasters

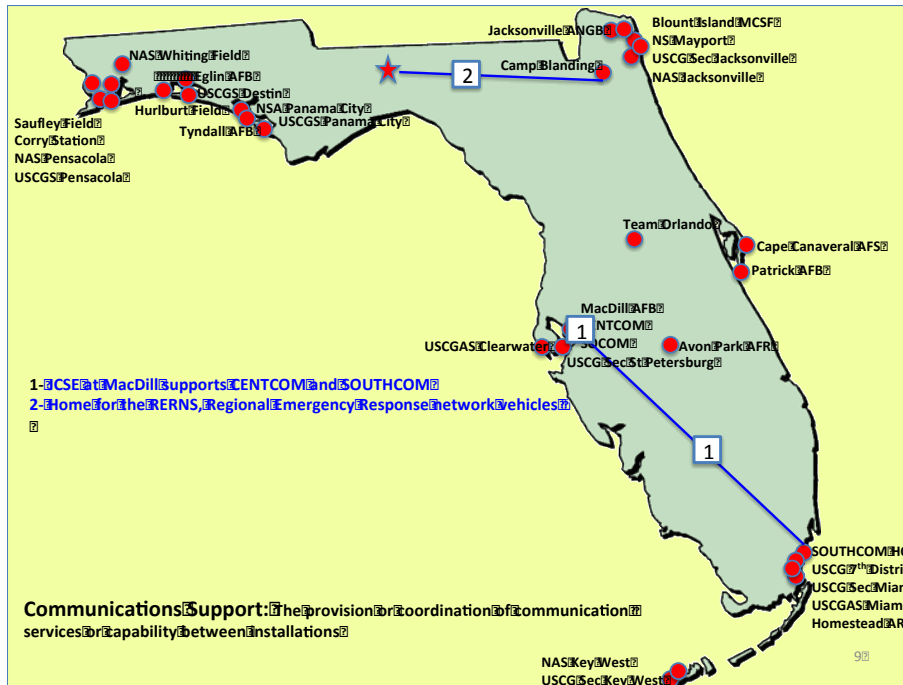


Figure 6. Key Communication Support Linkages in Florida

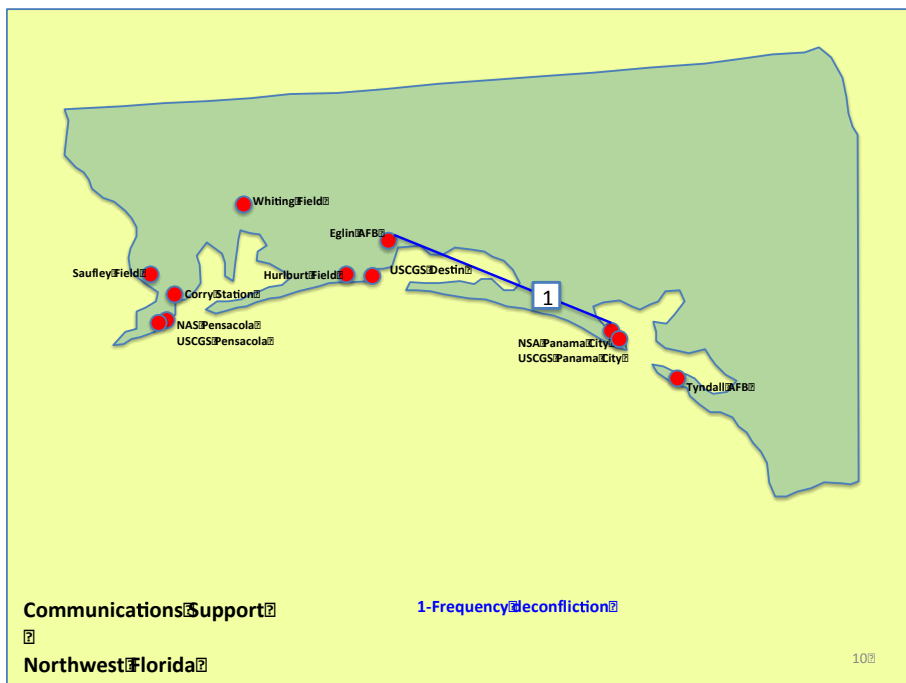


Figure 7. Key Communications Support Linkages in Northwest Florida

- **Training**

There are extensive training relationships between Florida's installations. As one would expect, given the superb training capability on Florida's military installations and its extensive range space, Florida's installations provide a training "network" for units located throughout the state. The Tactical Combat Training System (TCTS), located at NAS Key West and using the Key West Range Complex, draws customers from Patrick AFB, Hurlburt Field, Tyndall AFB, Eglin AFB, NAS Pensacola, Whiting Field, Homestead ARB, and the Florida Air National Guard. Also, Avon Park provides a superb training capability to forces located at Eglin AFB, Patrick AFB, and Hurlburt Field, as well as visiting units lodged at MacDill Air Force Base.

Likewise, Avon Park Air Force range supports multiple users both from around the state and also from around the country, Within the state, units from Homestead ARB, MacDill AFB, Eglin AFB, Hurlburt Field, and Patrick AFB use Avon Park.

Additionally, flying units from Eglin AFB, Hurlburt Field, Tyndall AFB, Jacksonville ANGB, and Homestead ARB receive in-flight refueling support from MacDill AFB. The proximity of MacDill to the training locations of these units provides a cost effective support capability to both enhance MacDill's training operations and to maintain a critical skill (in-flight refueling).

There are a number of training linkages among Northwest Florida's installations, most notably the use of Eglin AFB ranges by units at Hurlburt Field and Tyndall AFB. The training relationships and shared ranges between NAS Pensacola and Whiting Field, and Eglin AFB and Tyndall AFB enhance each other's capabilities.

While NAS Key West's principle contribution is its TCTS support to flying units, it also provides harbor and range capability to forces located at NS Mayport, as well as the U.S. Coast Guard.

Finally, the capability that Camp Blanding provides to units (principally National Guard) throughout the state is extensive, but in our view generally not well known beyond military circles. Preserving and enhancing Camp Blanding's capability will continue to provide a cost-efficient training capability to multiple units throughout Florida and beyond.

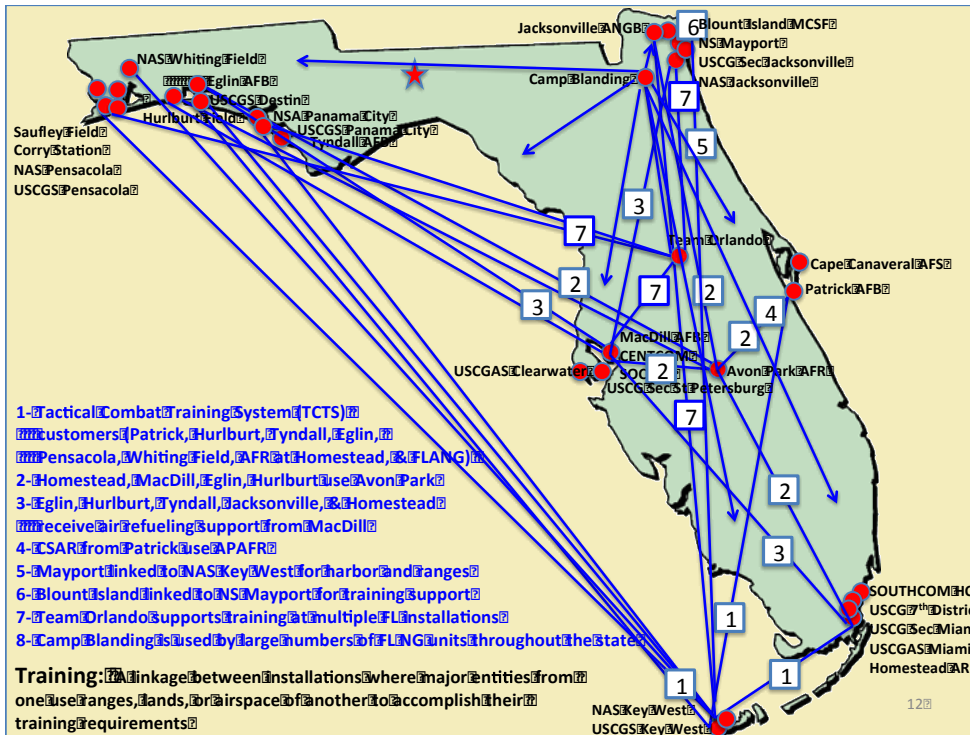


Figure 8. Key Training Linkages in Florida

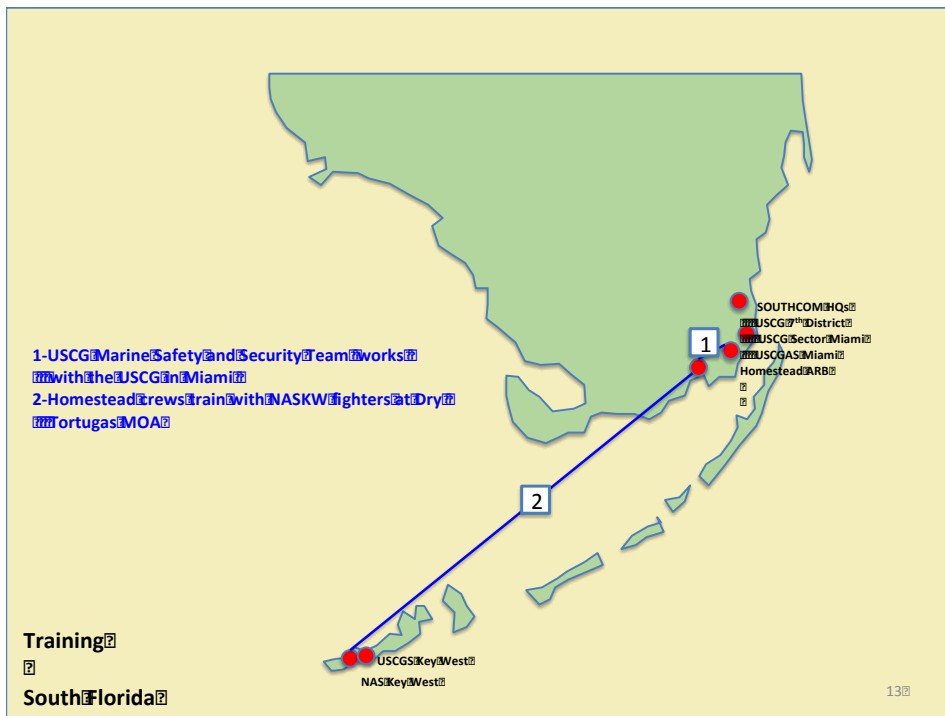


Figure 9. Key Training Linkages in South Florida

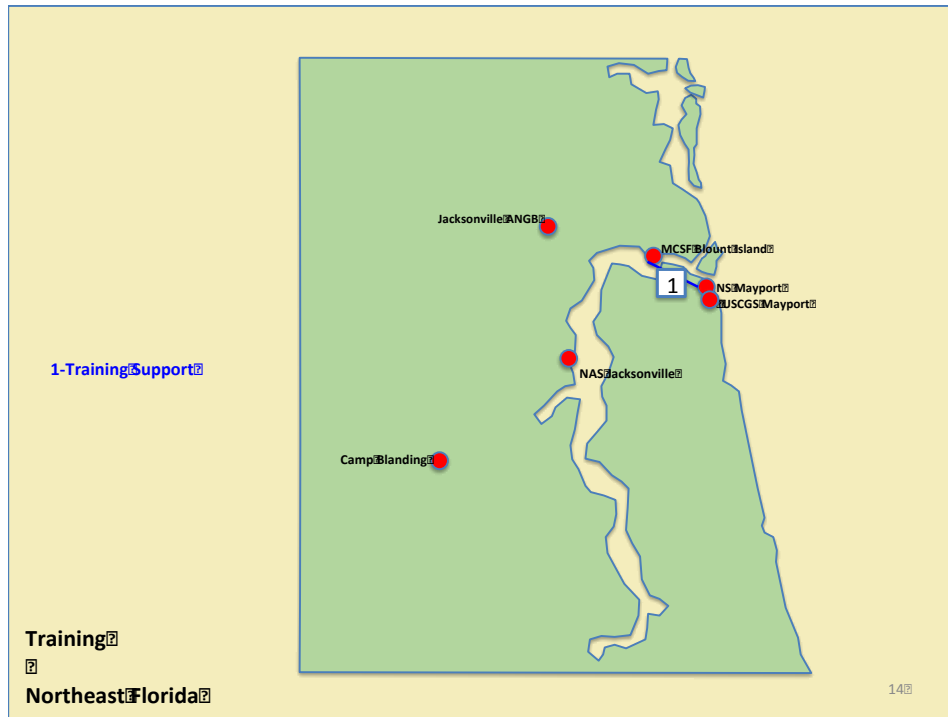


Figure 10. Key Training Linkages in Northeast Florida

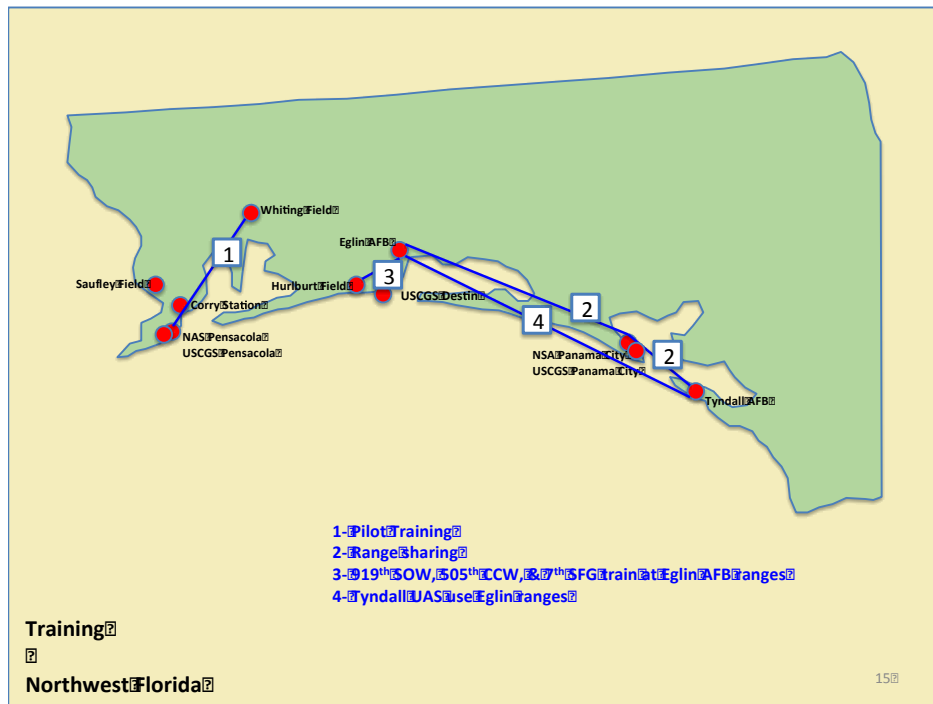
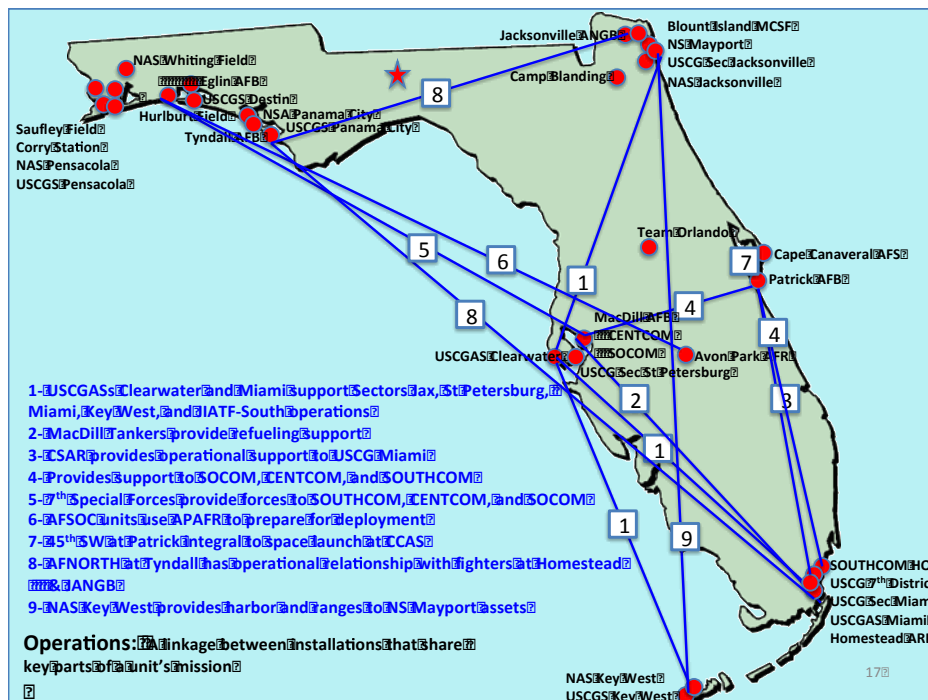


Figure 11. Key Training Linkages in Northwest Florida

- **Operations**

While the principal strength of Florida’s installations is to provide needed training capability and locations for critical DoD functions that enable force projection, we found a number of operational linkages between Florida’s major military installations. The most extensive were the Coast Guard linkages, which allow the 7<sup>th</sup> District with sector commands, stations, and forces to execute their missions in the waters off of Florida. However, tankers from MacDill AFB provide support to aircraft executing NORTHCOM and SOUTHCOM missions, and 7<sup>th</sup> Special Forces Group provides forces to SOUTHCOM, CENTCOM, and SOCOM. The Combat Search and Rescue (CSAR) units at Patrick AFB provide support to the U.S. Coast Guard units in 7<sup>th</sup> District, and the fighters from the Florida Air National Guard and Air Force Reserve have operational links to AFNORTH for their mission from Homestead ARB and Jacksonville AGB.

Joint Interagency Task Force - South (JIATF-S) is a small but important element with multiple linkages to other installations in Florida. Principally, SOUTHCOM and the U.S. Coast Guard 7<sup>th</sup> District provide the greatest linkage, but their subordinate commands (e.g. forces from the Coast Guard stations or SOCSOUTH) provide a number of forces that enable the JIATF to accomplish its mission. JIATF-S is a key entity in the Nation’s security of its “southern flank”, although generally underappreciated outside those with operational support missions or responsibility for manning the TF. The JIATF’s location in Key West and its proximity to the 7<sup>th</sup> District and SOUTHCOM make its position vital for optimal functionality, although USCG Reserve Unit SOUTHCOM, which reports directly to USCG Atlantic Area in Portsmouth, VA, is actually imbedded with USSOUTHCOM to provide USCG support consultation and resources.



**Figure 12. Key Operations Linkages in Florida**

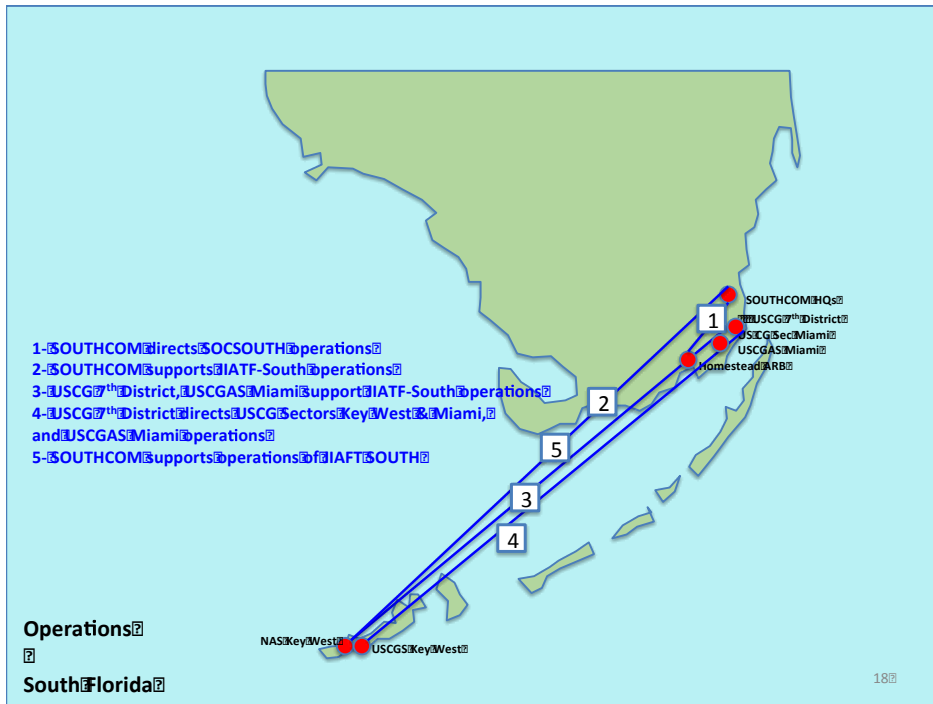


Figure 13. Key Operations Linkages in South Florida

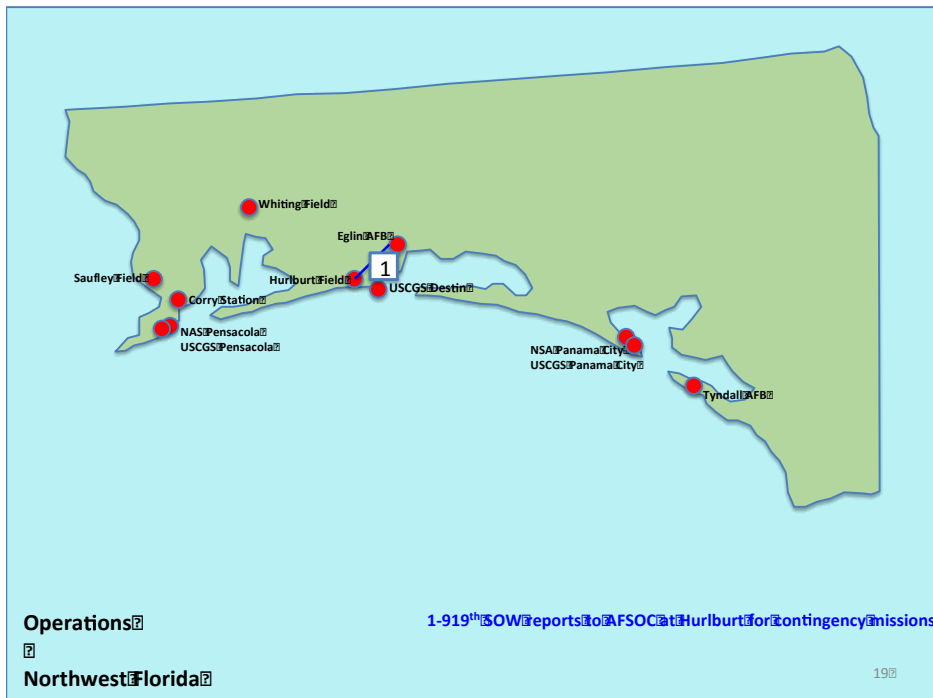


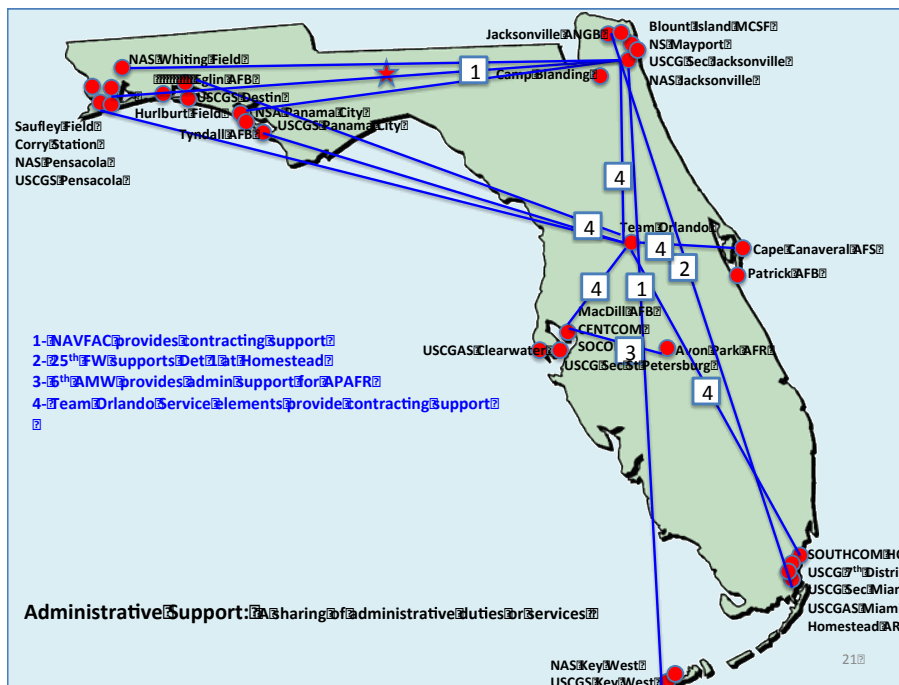
Figure 14. Key Operations Linkages in Northwest Florida

- **Administrative Support**

The primary administrative support linkages between installations occur due to the command relationships between Florida's Navy installations and Navy Region Southeast. Principal among the linkages are those the Naval Facilities Engineering Command (NAVFAC) Southeast at Mayport provide, including planning, design and construction management for the Navy and other governmental agencies in the region. NAVFAC Southeast also acquires and disposes of real estate, provides environmental support, manages and maintains the facilities on all naval bases in Florida, and provide housing for their military families. The NAVFAC Southeast Public Works Departments provide facilities support services to each Naval installation in their area of responsibility.

There are a number of less extensive but nonetheless important administrative support linkages that exist between Florida's military installations. The 25<sup>th</sup> Fighter Wing at Jacksonville ANGB, of course, provides administrative support for its detachment at Homestead ARB. Likewise, the Wing at MacDill AFB provides administrative support to the personnel at Avon Park Air Force Range, Hurlburt Field provides support for the 919<sup>th</sup> SOW at Eglin AFB, and NAS Pensacola provides support for Whiting Field with a number of shared services.

Finally, the contracting capability in Orlando has provided support for a number of requirements from several Florida installations.



**Figure 15. Key Administrative Support Linkages in Florida**



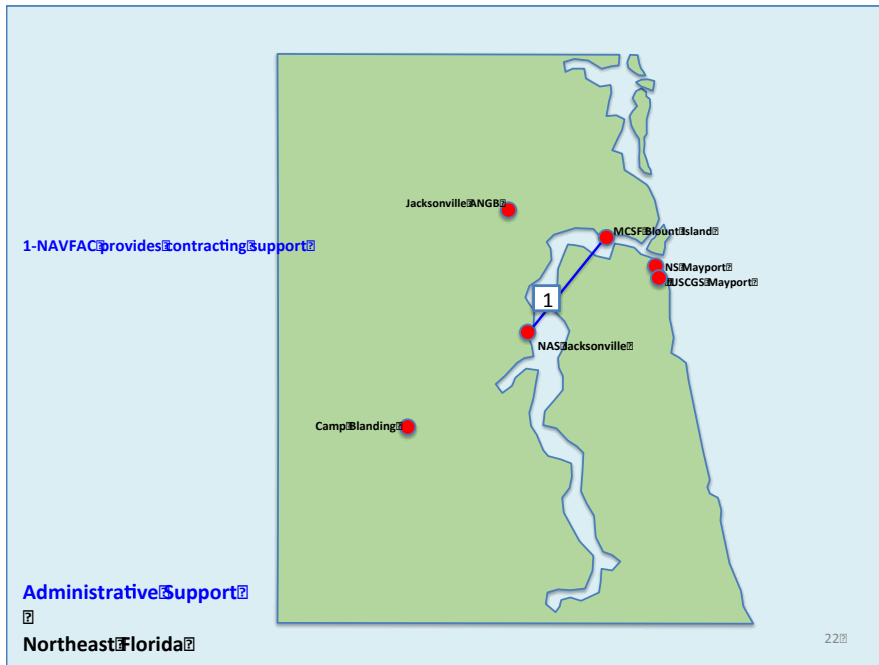


Figure 16. Key Administrative Support Linkages in Northeast Florida

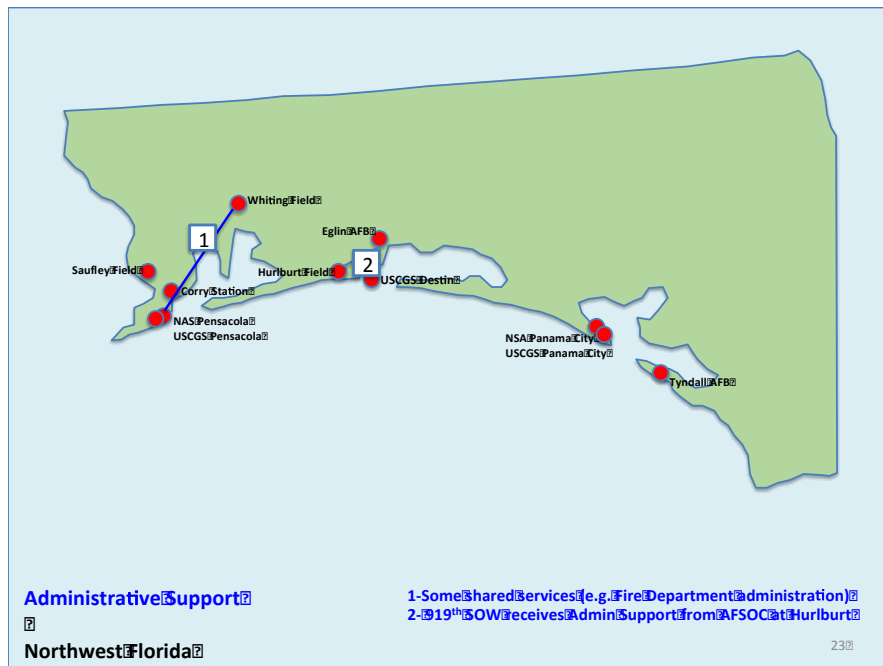


Figure 17. Key Administrative Support Linkages in Northwest Florida

- **Research and Development**

The direct research and development (R&D) linkages between Florida's military installations appear to be important but limited. However, the indirect linkages are extensive and touch virtually every installation throughout the State.

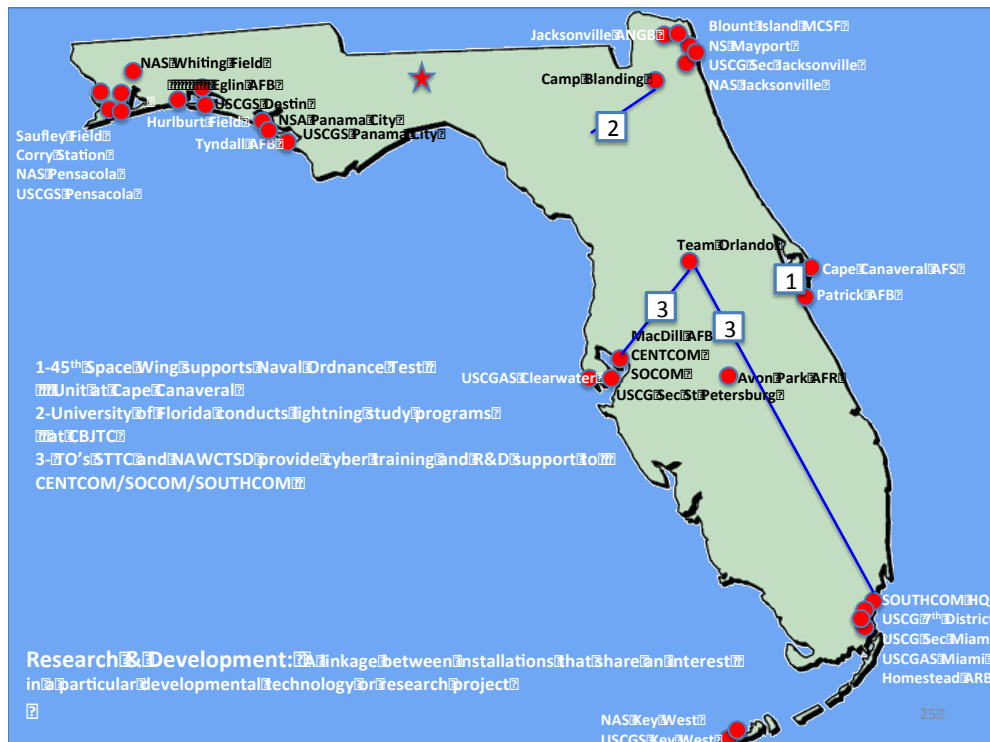
Those direct linkages include the use of Eglin AFB ranges by AFSOC for R&D, and the link between the 53rd Weapons Evaluation Group at Tyndall AFB and Eglin. NSA Panama City uses the ranges at Eglin AFB periodically, and the 45<sup>th</sup> Space Wing at Patrick AFB supports the Naval Ordnance Test Unit at Cape Canaveral.

Team Orlando's Simulation Training Technology (STTC) and Naval Air Warfare Center Training Systems Division (NAWCTSD) provide cyber training and R&D support to the combatant commands in Florida (CENTCOM, SOUTHCOM, and SOCOM).

The indirect linkages between Florida's installations in the R&D areas are extensive. Multiple installations benefit from the work done at Team Orlando (TO).

- Camp Blanding Joint Training Center (CBJTC) utilizes many TO supported Live-Virtual—Constructive (LVC) training systems. They have installed two Warrior Skills Trainers, which use a virtual world simulation. There was also an upgrade from the Engagement Skills Trainer to the EST 2000, Humvee egress assistance trainer, and the MRAP egress trainer fielded at CBJTC (originated in TO).
- Flight crew and mission specialists assigned to the Naval Air Station Jacksonville P-8A Integrated Training Center conduct training with support by NAWCTSD, using simulated exercises and full motion simulation.
- Under the Live Tactical Training (LT2) program, developed and managed from TO, PEO STRI and PMTRASYS joined together to ensure optimal leveraging between their service needs for units at Hurlburt Field.
- The Mission Command Training Program (MCTP) under PEO STRI field ops division currently supports intelligence training and training support for the US Navy at Pensacola Naval Station.
- Joint training exercises are run and supported by exercise drivers and systems created and supported from Team Orlando and the military service facilities in Research Park for the combatant commands located in Florida.
- The NAWCTSD supports a variety of specialized surface warfare training requirements employed on Navy installations in Florida. An example is specialized firefighting training.

- Offshore aviation training ranges such as those at NAS Key West are developed and supported by NAWCTSD/TO.
- The USAF contingent to Air Force Agency for Modeling and Simulation (AFAMS) is a policy development arm that supports the Live Virtual Constructive training programs at Eglin, MacDill & Homestead.
- Team Orlando's NAWCTSD develops and supports mine warfare-training, dive and salvage training, and naval EOD training with curriculum and simulator support for Panama City. Additionally, training for the Littoral Combat Ship, to be home ported at Mayport, is supported heavily from NAWCTSD /TO.



**Figure 18. Key Research and Development Linkages in Florida**



**Figure 19. Key Research and Development Linkages in Northwest Florida**

- **Logistics**

The logistics linkages between Florida’s major military installations are modest and centered on aviation maintenance. Principally, the Fleet Readiness Center Southeast (FRC-SE) in Jacksonville provides aviation maintenance support to Naval air located in Florida, and also some aircraft maintenance support for Patrick, Hurlburt, and Eglin. Beyond that, AFSOC provides maintenance support for the 919<sup>th</sup> at Eglin AFB, and 6<sup>th</sup> AMW at MacDill provides maintenance support for units training at Avon Park AFR, which operate out of and are maintained at MacDill. The relative lack of maintenance support between installations is primarily driven by the specialized equipment and diversity of assets located on Florida’s military installations, which would make inter-installation support less economical than that located on the installation. FRC-SE is the notable exception.

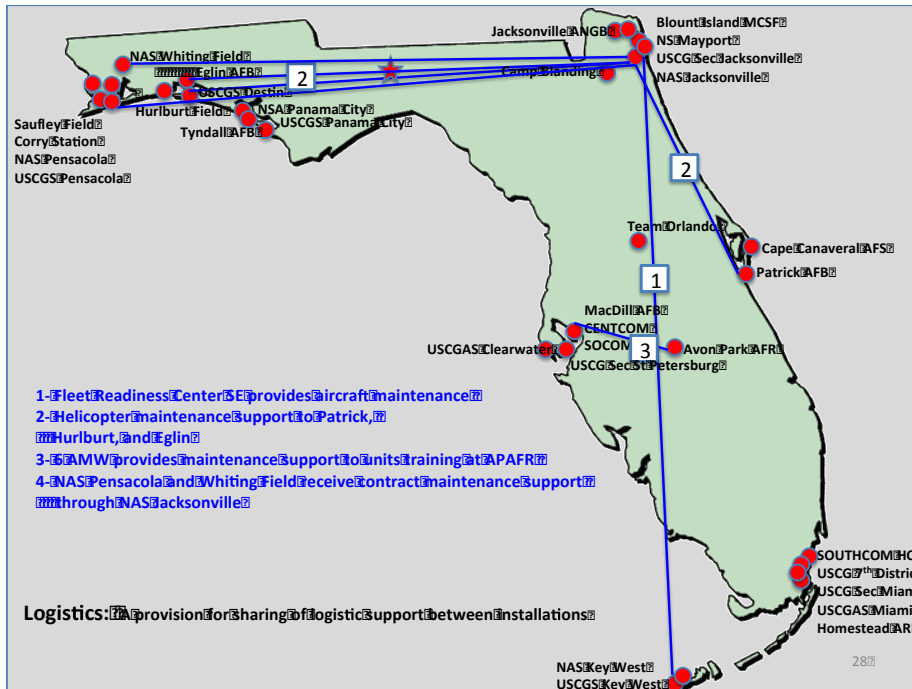


Figure 20. Key Logistics Linkages in Florida

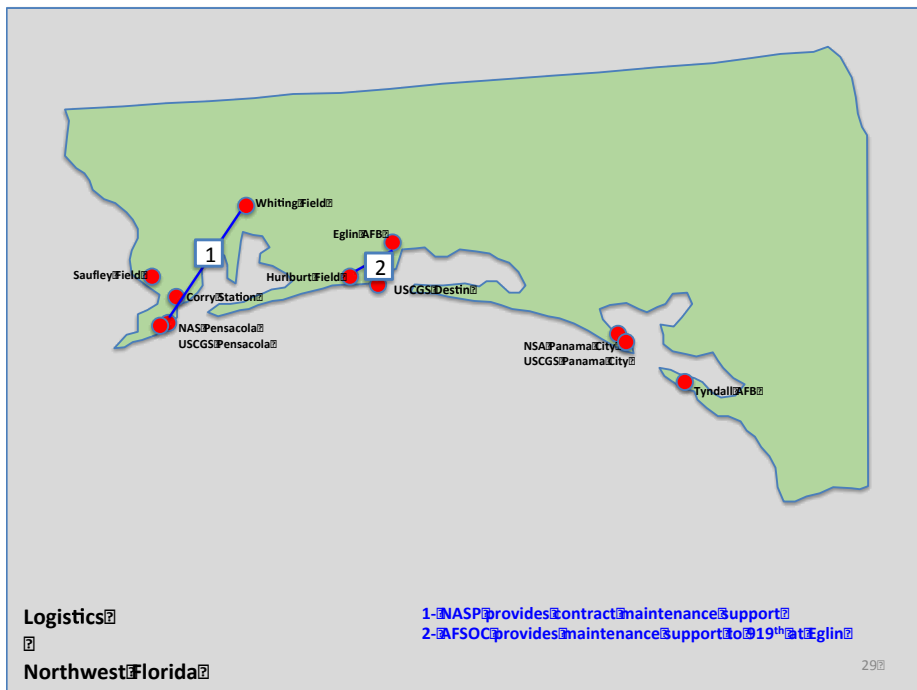


Figure 21. Key Logistics Linkages in Northwest Florida

- Health Care

There are few significant linkages between Florida’s installations regarding health care. This is in part due to the nature and trends in health care provision, the increased reliance on local medical facilities for higher levels of care, and the reliance on TRICARE obtained specialized care. The few linkages that do exist are principally provision of services between installations that are in close proximity, such as 6<sup>th</sup> AMW at MacDill AFB providing medical support to Avon Park AFR personnel, or SOUTHCOM providing support to military members at Homestead ARB. One area of potential linkage is the opportunity for Team Orlando to provide simulation support for the Veterans Administration Center for simulation-based medical activities.

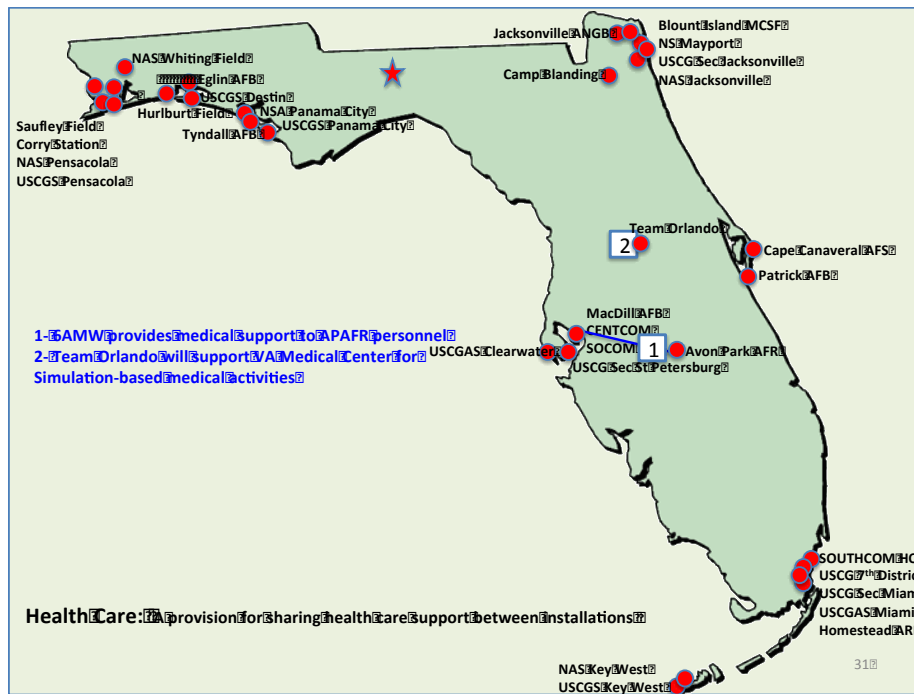
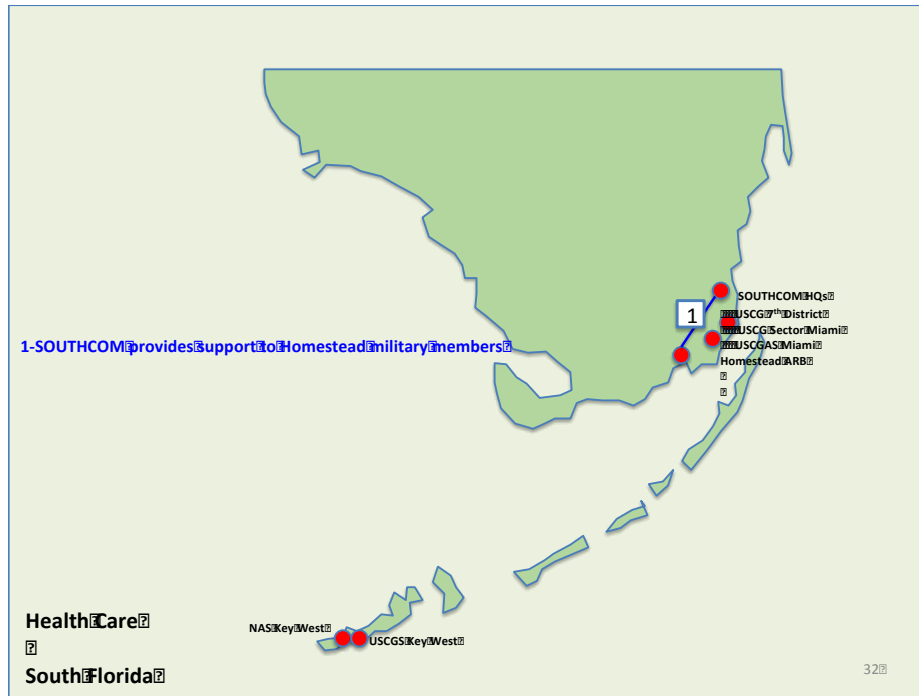


Figure 22. Key Health Care Linkages in Florida



**Figure 23. Key Health Care Linkages in South Florida**

## Interstate Linkages

- **Command and Control:**

Obviously Florida’s military installations have extensive command and control linkages to headquarters in other locations around the country. These relationships are illustrated with the by-installation interstate linkages toward the end of this report. A review of these linkages illustrate that there are a number of headquarters throughout the U.S. that have multiple interests and command and control linkages with units on installations in Florida. Principal among these are the Service Special Operations Commands, Air Combat Command (ACC), Air Mobility Command (AMC), Air Force Reserve Command (AFRC), Air Force Material Command (AFMC), Air Education and Training Command (AETC), Naval Air Systems Command (NAVAIR), U.S. Fleet Forces Command (FFC), Naval Facilities Engineering Command (NAVFAC), the Air National Guard, the Army National Guard, U.S. Northern Command (NORTHCOM), U.S. Transportation Command (TRANSCOM), and U.S. SPACECOM. All of these commands have strong linkages to multiple Florida installations, and therefore interests in the vitality of those installations. As noted earlier, the three Northwest Florida USCG stations (Pensacola, Destin, and Panama City) report to the 8<sup>th</sup> Coast Guard District in New Orleans through USCG Sector Mobile, AL. Both the 7<sup>th</sup> and 8<sup>th</sup> USCG Districts report to USCG Atlantic Area, Portsmouth, VA.

- **Communications Support:**

There is relatively little communications support provided by interstate headquarters beyond funding based on the nature of how support is contracted and acquired. However, as the Services and the Joint domain move to enterprise services and solutions, this will change to a degree, although all installations in DoD will migrate to the same kinds of linkages and dependencies.

- **Training**

Numerous units from outside the State use NAS Key West. These include Fleet Replacement Squadrons (FRS) at NAS Lemoore, CA and NAS Oceana, VA, plus multiple other Navy carrier air wings and Fleet aviation squadrons, USAF, Air National Guard throughout and across the United States from New England to California and Texas to Alaska. It is truly a National treasure and with a unique capability. Specific major customer locations include Whidbey Island, WA; Astoria, OR; Fallon AFB, CA; NAS Miramar, CA; Nellis AFB, NV; Luke AFB, AZ; Randolph AFB, TX; Hill AFB, UT; Colorado Springs, CO; Madison, WI, Whitman AFB, MO; Ft Campbell, KY; Otis ANGB, MA; Langley AFB, VA; New River MCAS, NC; Colombia, SC; MCAS Beaufort; and Columbus, MI.

AFSOC units train and deploy with elements of USASOC, the 18<sup>th</sup> ABNE Corps, and other special units from Fort Bragg, NC. Numerous major commands (MAJCOM's) use Eglin AFB, to include AFMC, AFSOC, AFRC, ACC, AETC, AFSPACE. Additionally, MAJCOM's that use Tyndall AFB include ACC, AFRC, AETC, AFMC, and NORTHCOM.

Numerous units from DoD and other agencies use Avon Park Air Force Range, another national treasure here in Florida. These users include active duty, guard, and reserve units from the Army, Navy, Air Force, Marines, and Coast Guard, special operations forces, and Homeland Security personnel. Just a sampling of significant using entities include: Special Tactics Squadrons (STS) units out of Pope and Hulbert as they prepare to deploy, the Tennessee National Guard, JTACS out of Moody AFB, NOAA, Fighter crews from multiple states (such as Edwards AFB, CA, Nellis AFB, NV, and Oceana NAS, VA), the 3<sup>rd</sup> of the 160<sup>th</sup> SOAR from Savannah, GA, Joint Special Operations Command (JSOC) from Fort Bragg, Combat Search and Rescue units at Moody AFB, GA, and the 23d Fighter Wing out of Moody AFB.

Camp Blanding also has a number of units from the southeastern U.S. that use its facilities, although not nearly as extensive as the use by the Florida National Guard units from around the State.

- **Operations:**

Florida's installations play an important role in the operational network of the Nation's defense. The most obvious roles are those played by the fighters at Homestead ARB



and Jacksonville ANGB in protecting the air space of the U.S.'s "southern flank. However, there are a number of other important roles the installations in Florida play. JIATF-South is an important organization that operates from Key West and protects the U.S. from the networks of narco-traffickers, human traffickers, and a variety of other entities attempting to gain entry or to bring illicit goods into the U.S. from the south. SOUTHCOM in Miami is supported by SOCSOUTH at Homestead ARB in performing its mission in Central and South America, and obviously AFSOC at Hurlburt Field provides a variety of forces to SOCSOUTH when necessary. Likewise, MacDill AFB is ideally positioned to provide tanker support for operations that occur in the southeast U.S., Caribbean, and SOUTHCOM areas of responsibility.

Patrick AFB's role in the space launch mission is a fundamental operational activity that supports all the commands having either space requirements or whose responsibilities include providing space assets to military forces or to other U.S. entities.

Finally, Camp Blanding hosts the Regional Emergency Response Network vehicles that are available for operations necessary to respond to national disasters or emergencies both inside and outside the State.

- **Administrative Support:**

Although the amount of Administrative support provided by Florida's military installations to others around the Country is limited, that which does exist is very important.

Principal among the interstate linkages is that of Naval Facilities Engineering Command (NAVFAC) Southeast. It employs approximately 1,626 civilians, 128 military, and 39 contractors in seven states from Charleston, South Carolina to Kingsville, Texas, and south to Guantanamo Bay, Cuba. The volume of business for fiscal year 2014 is projected to be \$2.1 billion with an annual payroll of \$220 million. The headquarters, in Jacksonville, Fla., supports activities in over 22 field offices within their area of responsibility in the southeast U.S. NAVFAC Southeast plans, designs and manages construction for the Navy and other governmental agencies. NAVFAC Southeast also acquires and disposes of real estate, provides environmental support, manages and maintains the facilities on all naval bases, and provides housing for military families. NAVFAC Southeast Public Works Departments provide facilities support services to each Naval installation in their area of responsibility. Their proximity with Naval Region Southeast is helpful in the coordination of their work.

- **Research and Development (R&D):**

R&D is an area where Florida makes a significant contribution to the National defense. Generally, the 96th Test Wing at Eglin AFB is well appreciated throughout the Air Force for its contribution. The Wing is the test and evaluation center for Air Force air delivered weapons, navigation and guidance systems, Command and Control systems, and Air Force Special Operations Command systems. The wing provides evaluation and validation of the performance of systems throughout the design, development,

acquisition, and sustainment phases to ensure the warfighter has technologically superior, reliable, maintainable, sustainable and safe systems. Units at Eglin also operate the Eglin Range, the Gulf Test and Training Range, and in consultation with civil authorities, the airspace over the panhandle of Florida. This national treasure is well known, and the results of its work are very visible to customers throughout the Air Force.

The work done at Team Orlando (TO) is much less well known throughout the services and among the prolific indirect customers of their work. Because much of the R&D work at TO is conceptual and R&D, as it goes through a material development and procurement process, TO's fingerprints become much less visible. Therefore, end users, and often the Services as a whole, underappreciate the contribution that Team Orlando made in the early stages. The synergistic effect that often occurred in the development because of the co-location of Service elements and their co-location with the MT&S industry in Orlando is even less visible. Therefore the value that TO is providing to Florida installations and the military community is either not known or underappreciated. That said, there are some very important linkages from Team Orlando that indicate how important their activities are. One example is Team Orlando's link to US Navy Recruit Training Command, specifically, the Navy's Battle Stations 21, an innovative  $\frac{3}{4}$  scale simulator of an Arleigh Burke Class ship. It was designed, built and is supported by the TO consortium. Every Navy recruit experiences a 12-hour training session on this one of a kind simulator. TO also has a link to Fort Rucker, Alabama, where their Flight Simulator XXI (FS XXI) simulation capability is a long-term simulation service. It consists of Training Helicopter (TH-67) virtual simulators, advanced aircraft virtual simulators (UH-60A/L, UH-60M, AH-64A/D, OH-58D, CH-47D and CH-47F). FS XXI Fulfills all individual/crew and collective training requirements prescribed by the U.S. Army Aviation Center of Excellence at Fort Rucker, AL. The program is managed from TO's PEO STRI.

Team Orlando also has important links with Air Mobility Command: For all Flight Simulators, Ft Benning, GA and Camp Pendleton CA; for all USMC and Army DS training on Dismounted Soldier program, Virginia Modeling and Simulation Center in Norfolk, VA; for Live-Virtual-Constructive collaboration at large, the National Training and Simulation Association; for MS&T Advocacy; and with the MS&T Congressional Caucus, for long term growth and advocacy.

- **Logistics:**

The interstate logistics linkages between Florida's major military installations are modest and centered on aviation maintenance. Principally, the Fleet Readiness Center Southeast (FRC-SE) in Jacksonville provides aviation maintenance support to Naval air throughout the U.S., with the largest effort being the F-18 refurbishment effort.

The Marine Corps Support Facility (MCSF) at Blount Island has direct linkages to Charleston, SC, because of their performance for a similar mission, and Marine Corps Logistics Command, Albany, GA as their higher headquarters in the logistics system.

However, the MCSF's work on the prepositioned afloat equipment certainly impacts Marine Corps commands and personnel throughout the U.S. when they deploy forward. It is difficult to identify direct linkages to benefitting units as they rotate and the connections are very mission dependent; however, the impact nonetheless exists.

The USCG Aviation Logistics Center in Elizabeth City, NC is hub for Coast Guard aviation support, including providing depot level maintenance, structural engineering, warehousing, and service support for USCG Air Stations Clearwater and Miami.

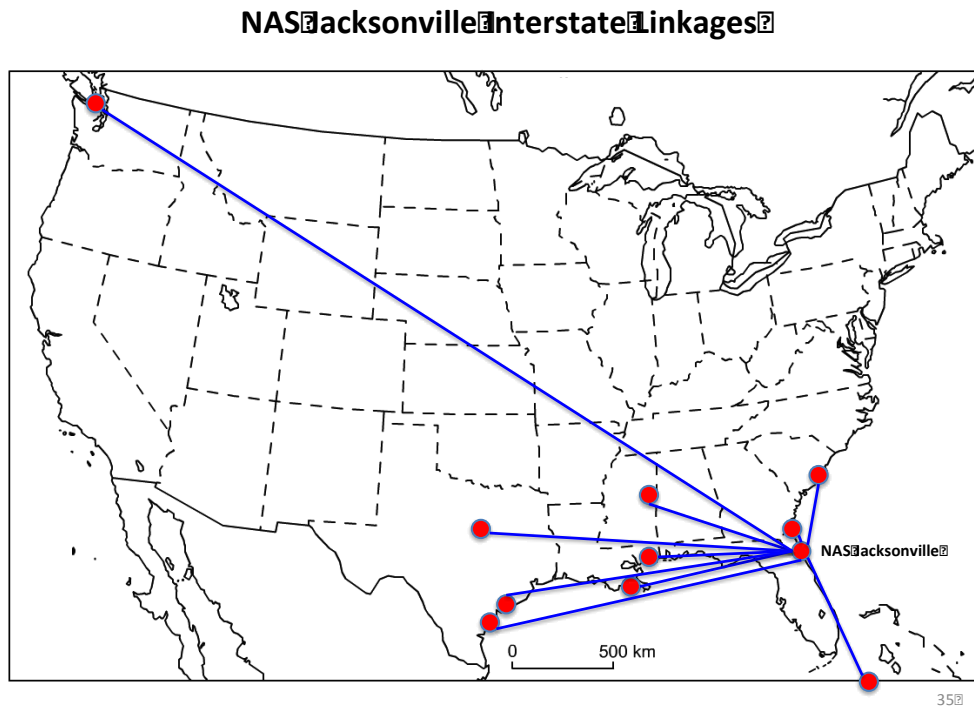
- **Health Care**

The nature of health care and its provision by the services drives a scarcity of linkages other than medical command and control between medical care at installations and other installations in the U.S. We discovered no significant linkages between Florida installations and others outside the State in this area.

## By-Installation Interstate Linkages:

- **NAS Jacksonville:**

1. CNRSE and NAVFAC have command and control and contracting support for these groups: Naval Weapons Station (NAVWPNSTA) Charleston, NAVSTA Gitmo, Naval Construction Battalion Center (CBC) Gulfport, SUBBASE Kings Bay, NAS Meridian, NAS Corpus Christi, NAS/JRB Fort Worth, NAS Kingsville and JRB New Orleans
2. NAS Whidbey in Washington State is host to the Pacific Fleet Patrol Wing Squadron



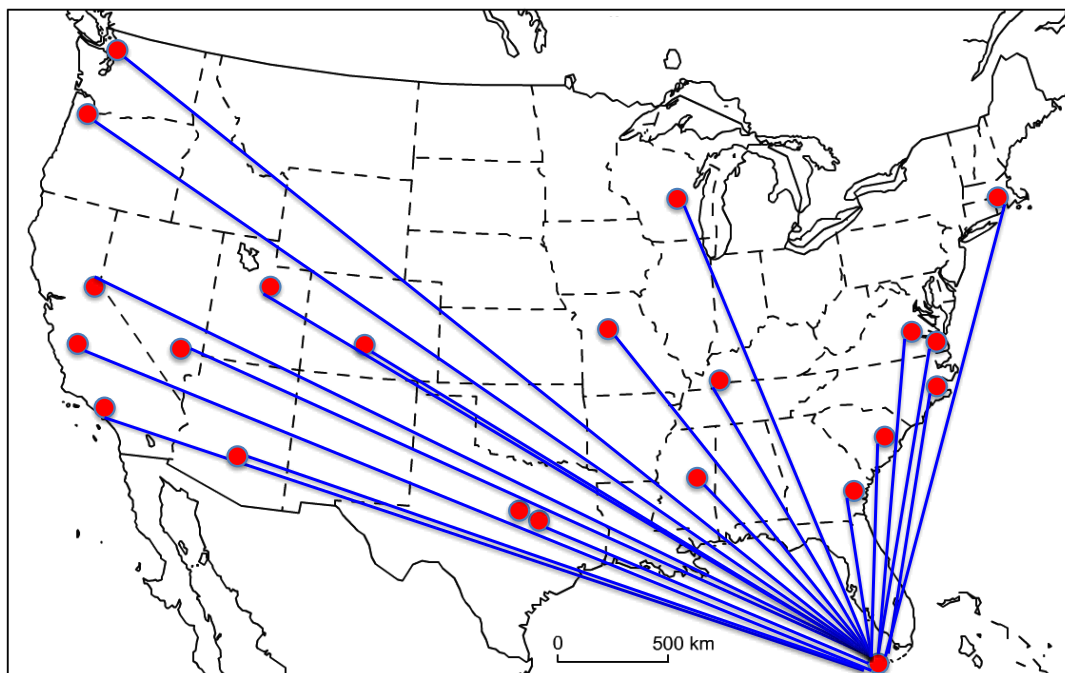
**Figure 24. Key NAS Jacksonville Interstate Linkages**

- **NAS Key West**

1. Fleet Replacement Squadrons (FRS) at NAS Lemoore, CA and NAS Oceana, VA, plus a number of other Navy carrier air wings and Fleet aviation squadrons, USAF, Air National Guard throughout and across the United States from New England to California and Texas to Alaska. Specific major customer locations include Whidbey Island, WA; Astoria, OR; Fallon AFB, CA; NAS Miramar, CA; Nellis AFB, NV; Luke AFB, AZ; Randolph AFB, TX; Hill AFB, UT; Colorado Springs, CO; Madison, WI; Whitman AFB, MO; Ft Campbell, KY; Otis ANGB, MA; Langley AFB, VA; New River MCAS, NC; Columbia, SC; MCAS Beaufort; and Columbus, MI

2. The Adversary Squadron is manned by Naval Reservists from all across the south

**NAS Key West Interstate Linkages**

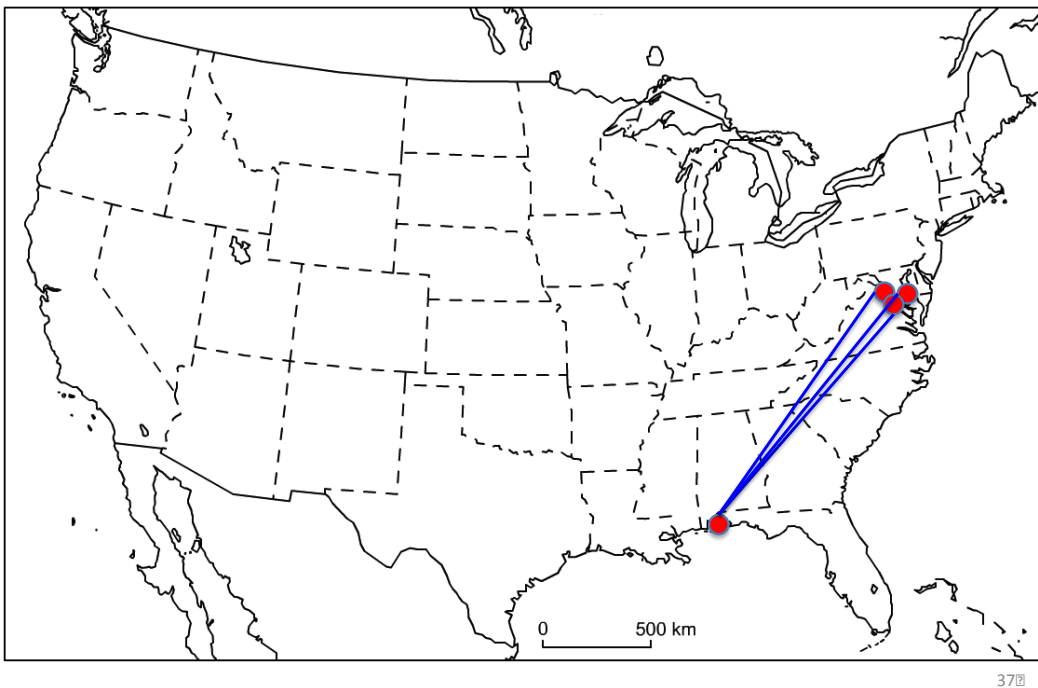


**Figure 25. Key NAS Key West Interstate Linkages**

- **Naval Air Station Pensacola**

1. Command and control linkages to the Chief of Naval Personnel, VA and NAVAIR, MD
2. Surgeon General in Bethesda, Maryland, for medical training

### **NAS Pensacola Interstate Linkages**

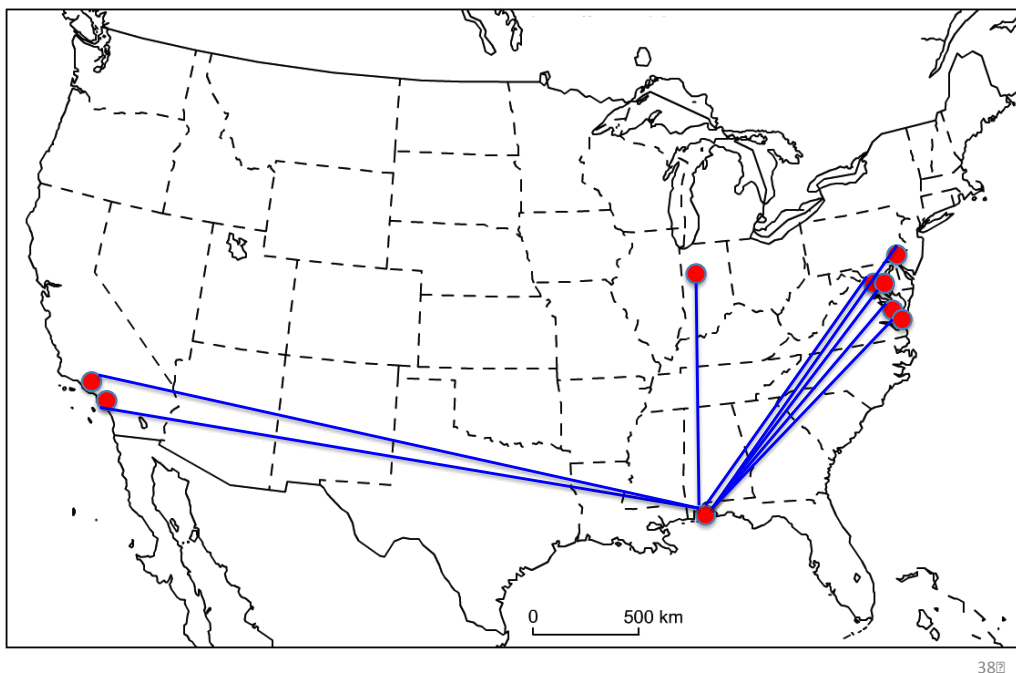


**Figure 26. Key NAS Pensacola Interstate Linkages**

- **Navy Support Activity Panama City**

Links to eight other Navy Surface Warfare Centers include: Carderock, MD; Corona, CA; Crane, IN; Dahlgren, VA; Dam Neck, VA; Indian Head, MD; Philadelphia, PA; and Port Hueneme, CA

**NSA Panama City Interstate Linkages**



**Figure 27. Key NSA Panama City Interstate Linkages**

- **Naval Station Mayport**

Command and control ties to Norfolk, VA

### NS Mayport Interstate Linkages



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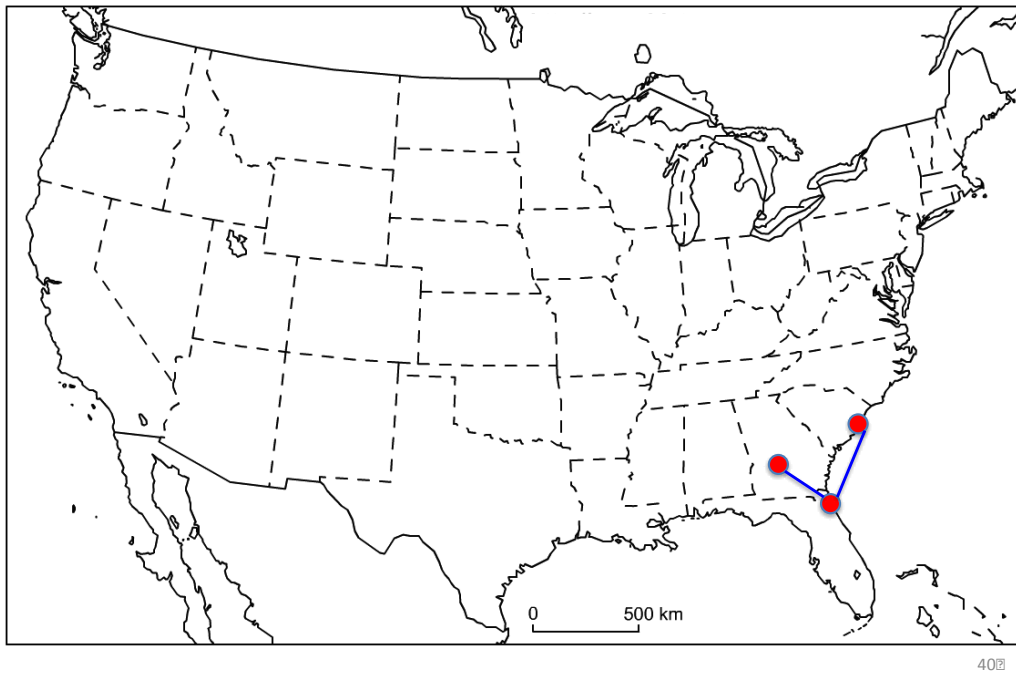
**Figure 28. Key NS Mayport Interstate Linkages**



- **Blount Island Command/Marine Corps Support Facility Blount Island**

Charleston, SC for a similar mission, and Marine Corps Logistics Command, Albany, GA

**Blount Island/MCSFBI Interstate Linkages**

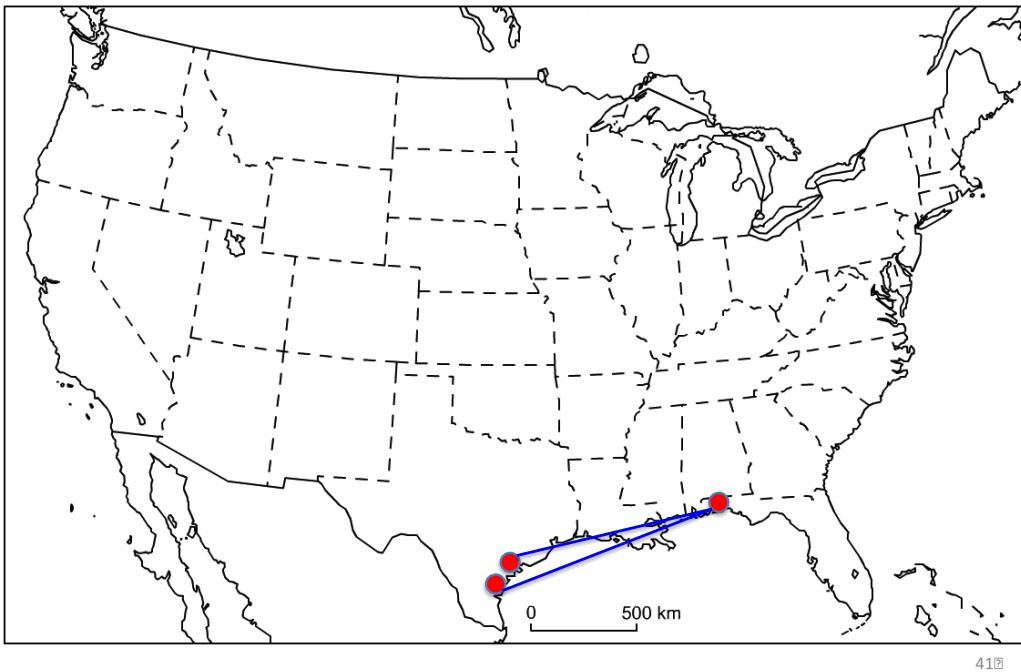


**Figure 29. Key Blount Island/MCSFBI Interstate Linkages**

- **Naval Air Station Whiting Field**

1. NAS Kingsville, TX for training
2. NAS Corpus Christi, TX for command and control and training

**NAS Whiting Field Interstate Linkages**



**Figure 30. Key NAS Whiting Field Interstate Linkages**

- **Naval Technical Training Center Corry Station**

Fort Meade, MD for command and control and training

**Corry Station Interstate Linkages**

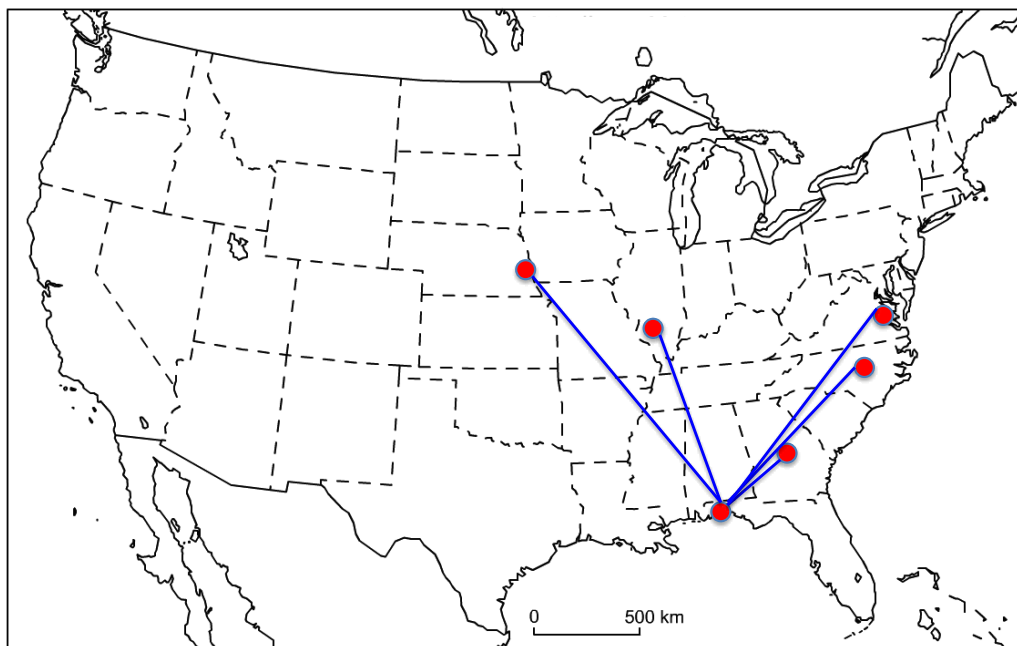


**Figure 31. Key Corry Station Interstate Linkages**

- **Hurlburt Air Force Base**

1. MAJCOM's that use Hurlburt AFB include AFSOC, AFRC, AMC, ACC, USASOC. All COCOMs are linked to AFSOC in some way, via SOCOM. AFSOC is a National asset called upon by numerous COCOM's, MAJCOM's, special units.
2. Air Force Weather Agency (Offutt AFB, Nebraska) is linked with the Air Force Combat Weather Center (AFCWC).
3. AFSOC units train and deploy with elements of USASOC, the 18<sup>th</sup> ABNE Corps, and other special units from Fort Bragg, NC.

**Hurlburt AFB Interstate Linkages**



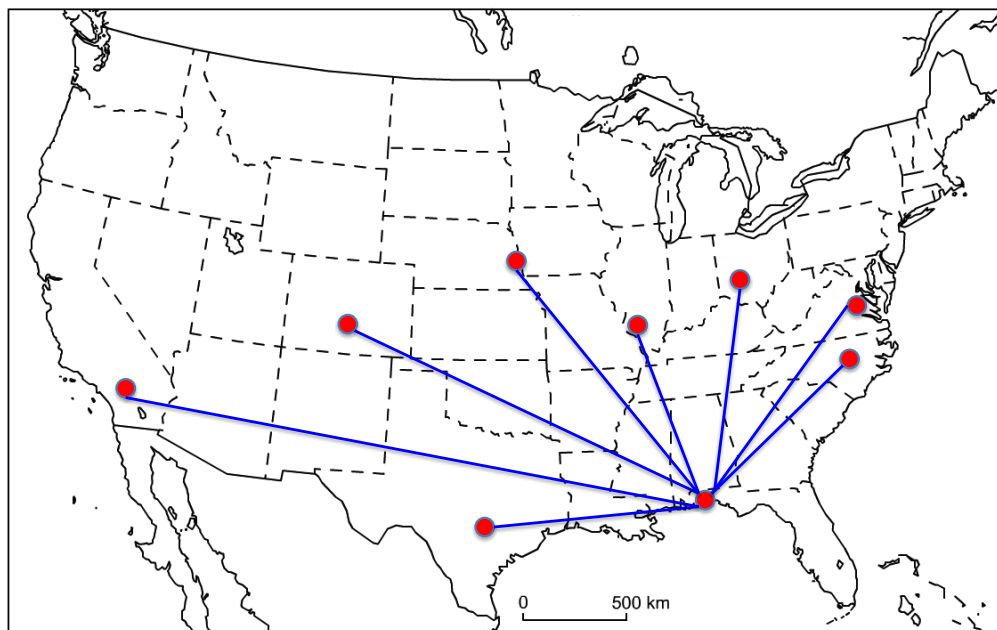
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**Figure 32. Key Hurlburt Field Interstate Linkages**

- **Eglin Air Force Base**

1. MAJCOM's that use Eglin AFB include AFMC, AFSOC, AFRC, ACC, AETC, AFSPACE.
2. COCOMs that use Eglin include SOCOM, STRATCOM, NORTHCOM, TRANSCOM, CENTCOM, SPACECOM.
3. The Range Facilities at Eglin AFB provide a National asset for our Combat forces and Test and Evaluation forces – linkages are numerous (Edwards AFB Test, AFRL, ACC fighters, CSAR forces, etc).
4. The 7<sup>th</sup> SFG has linkages to Fort Bragg, NC – USASOC.
5. The 20th Space Control Squadron is in support of United States Strategic Command's space control mission.
6. The Air Force Research Laboratory Munitions Directorate and 96<sup>th</sup> TW have linkages to AFMC at WPAFB, Ohio.
7. The 96<sup>th</sup> TW is tied directly to the AF Test Center at Edwards AFB, California.

**Eglin AFB Interstate Linkages**

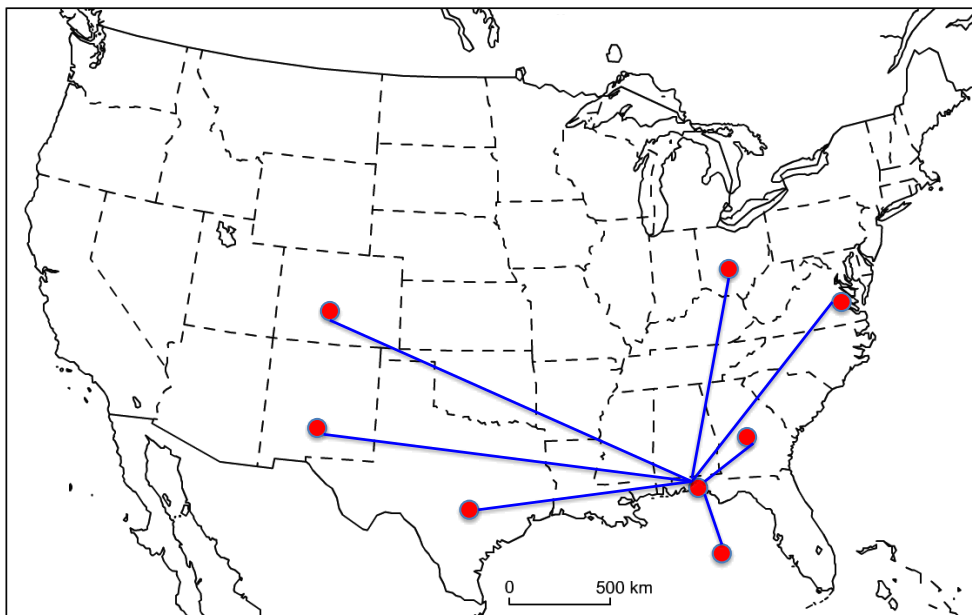


**Figure 33. Key Eglin AFB Interstate Linkages**

- **Tyndall Air Force Base**

1. MAJCOM's that use Tyndall AFB include ACC, AFRC, AETC, AFMC.
2. COCOMs that use Tyndall AFB include NORTHCOM.
3. The 53<sup>rd</sup> Weapons Evaluation Group supports Weapons Instructor Course air-to-air formal training syllabi.
4. Unit personnel provide all Air Force aerial target support for the Gulf Ranges and full-scale targets for Title 10 testing at White Sands Missile Range, Holloman AFB, N.M.
5. AFCEC "East" has linkages to all of the MAJCOM's.

**Tyndall AFB Interstate Linkages**

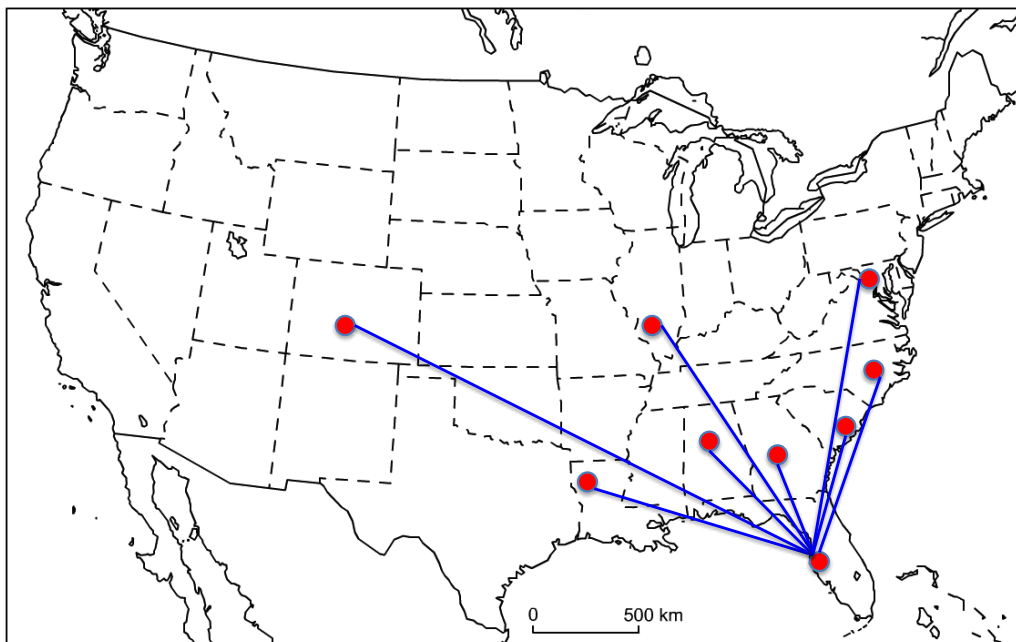


**Figure 34. Key Tyndall AFB Interstate Linkages**

- **MacDill Air Force Base**

1. MAJCOM's that use MacDill AFB include AMC and AFRC.
2. COCOM's that use MacDill AFB include USTRANSCOM, CENTCOM, SOUTHCOM, NORTHCOM.
3. Agencies that use MacDill AFB include NOAA.
4. Charleston C-17's and Barksdale B-52's receive Air Refueling Support from the 6<sup>th</sup> AMW.
5. The 6<sup>th</sup> AMW has two tanker wings associated with it: The 117<sup>th</sup> ARW at Birmingham, AL and the 916<sup>th</sup> ARW at Seymour Johnson AFB, NC.

**MacDill AFB Interstate Linkages**



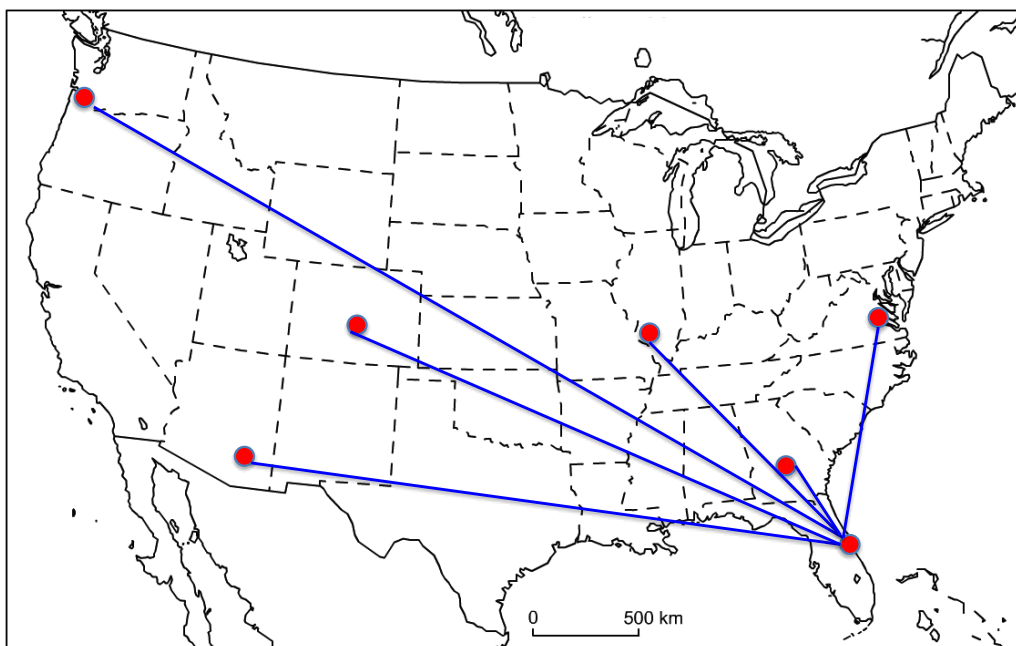
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**Figure 35. Key MacDill AFB Interstate Linkages**

- **Patrick Air Force Base and Cape Canaveral Air Force Station**

1. MAJCOM's that use Patrick AFB and Cape Canaveral include AFSPC, AFRC, ACC.
  2. COCOM's that use Patrick AFB and Cape Canaveral include SPACECOM and USTRANSCOM.
  3. Agencies that use Patrick AFB and Cape Canaveral include DOS, NASA, and the USCG.
  4. The 920 RQW is home stationed at Patrick Air Force Base, Florida, with additional Geographically Separated Units (GSUs) at Davis-Monthan Air Force Base, Arizona, and Portland International Airport/Air Reserve Station, Oregon.
  5. If mobilized, the 920 RQW is gained by the Air Combat Command (ACC).
- Important note: Cape Canaveral is a national asset that has a direct impact on numerous corporations, scientific organizations, academia, and DoD. It also is tied to international organizations and agencies.

**Patrick AFB Interstate Linkages**



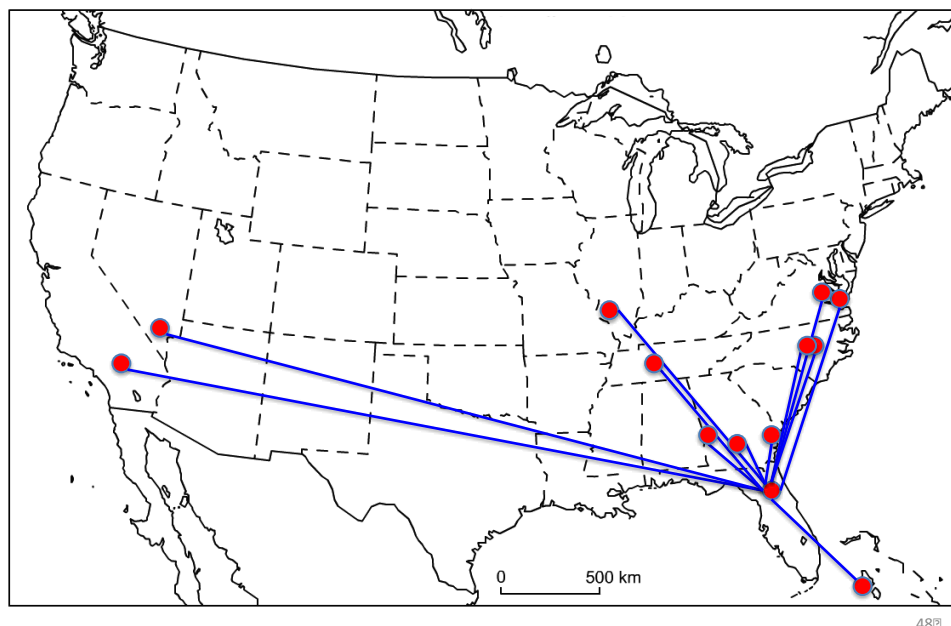
**Figure 36. Key Patrick AFB Interstate Linkages**



- **Avon Park Air Force Range**

1. Training – numerous units from DoD and other agencies use APAFR, including active duty, guard, and reserve military units from the Army, Navy, Air Force, Marines, and Coast Guard, special operations and Homeland Security personnel. Significant units include:
  - STS units out of Pope and Hulbert as they prepare to deploy
  - Tennessee National Guard (OH-58's)
  - JTACS out of Moody AFB
  - NAFSA
  - NOAA
  - Firefighter training – multiple states
  - The 3<sup>rd</sup> of the 160<sup>th</sup> SOAR – Savannah, GA
  - Ranger Training
  - Canadian fighters use W-168
  - JSOC – Fort Bragg – Jaded Thunder Exercise
  - F-35's from Edwards AFB, CA, and Nellis AFB, NV
2. Recently HLS and ACC approved a Caribbean Mass Migration Plan that included APAFR (warehousing and processing)
3. Combat Search and Rescue training available to CSAR units at Moody AFB, GA.
4. A10 training for the 23d Fighter Wing out of Moody AFB (mentioned above – they often forward deploy to MacDill and launch out of there – recent changes may allow the A-10's to operate out of APAFR).
5. F-18's out of Oceana NAS, VA, often use the Range
6. MAJCOM's that use APAFR include ACC, AFSOC, AMC

**Avon Park AFR Interstate Linkages**

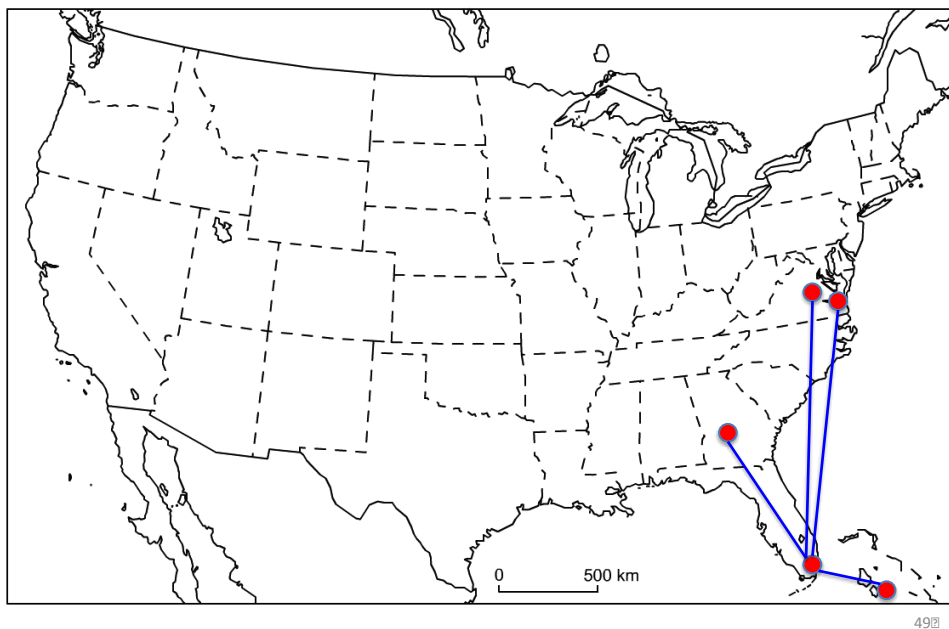


**Figure 37. Key Avon Park AFR Interstate Linkages**

- **Homestead Air Reserve Base**

1. MAJCOM's that use Homestead ARB include AFRC, AFSOC, ACC, ANG
2. The USCG Marine Safety and Security Team – is also connected with the USCG HQ at Portsmouth, Virginia
3. Customs and Border Protection – HLS HQ via Miami
4. The ramp has been used for contingency operations in recent years, including major support for USAID during the Haiti earth quake. Homestead's location makes it a good departure point for operations to Central and South America as well as the Caribbean

**Homestead ARB Interstate Linkages**



**Figure 38. Key Homestead ARB Interstate Linkages**

- **Team Orlando / National Simulation Center**

1. Link: TO to US Navy Recruit Training Command. Description: The Navy's Battle Stations 21, is an innovative ¾ scale simulator of an Arleigh Burke Class ship. It was designed, built and is supported by the TO consortium. Every Navy recruit experiences a 12-hour training session on this one of a kind simulator.

2. Link: TO to Ft Rucker Alabama. Description: The Flight Simulator XXI simulation capability is a long-term simulation service consisting of Training Helicopter (TH-67) virtual simulators, advanced aircraft virtual simulators (UH-60A/L, UH-60M, AH-64A/D, OH-58D, CH-47D and CH-47F. FS XXI Fulfills all individual/crew and collective training requirements prescribed by the U.S. Army Aviation Center of Excellence at Fort Rucker, AL. Program managed from TO's PEO STRI.

Other important external Links:

TO to Air Mobility Command – For all Flight Simulators

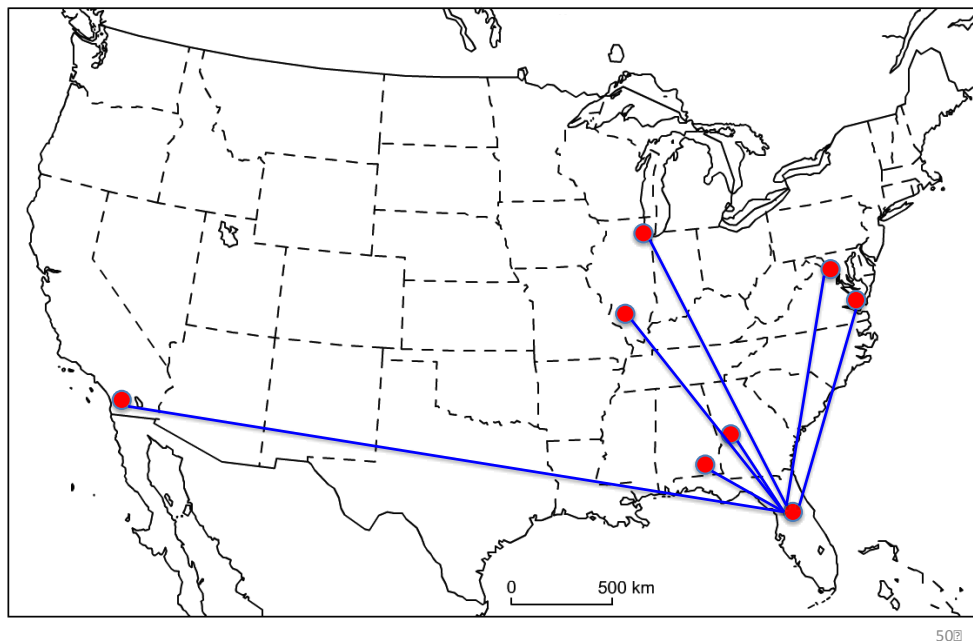
TO to Ft Benning Ga and Camp Pendleton Ca – for all USMC and Army DS training on Dismounted Soldier program

TO to Virginia Modeling and Simulation Center in Norfolk, VA – For Live-Virtual-Constructive collaboration at large

TO to National Training and Simulation Association—For MS&T Advocacy

TO to MS&T Congressional Caucus---For long term growth and advocacy

**Team Orlando/NCS Interstate Linkages**

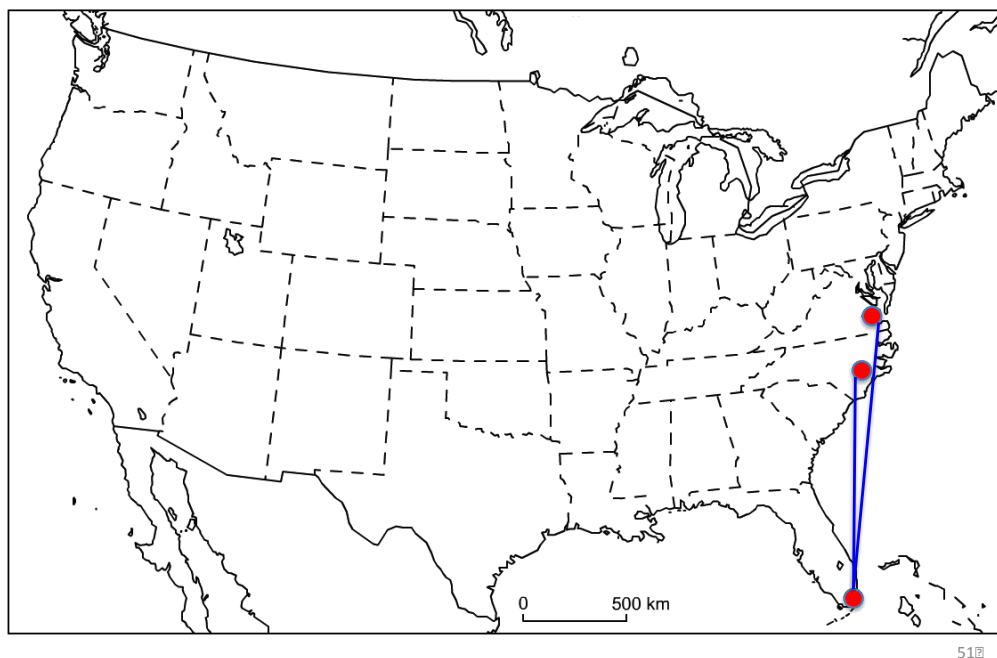


**Figure 39. Key Team Orlando/NCS Interstate Linkages**

- **U.S. Coast Guard**

1. 7th USCG District Reports to USCG Atlantic Area, Portsmouth, VA).
2. Aviation Logistics Center (ALC), Elizabeth City, NC, is the hub for the Coast Guard aviation support.

**U.S. Coast Guard Interstate Linkages**

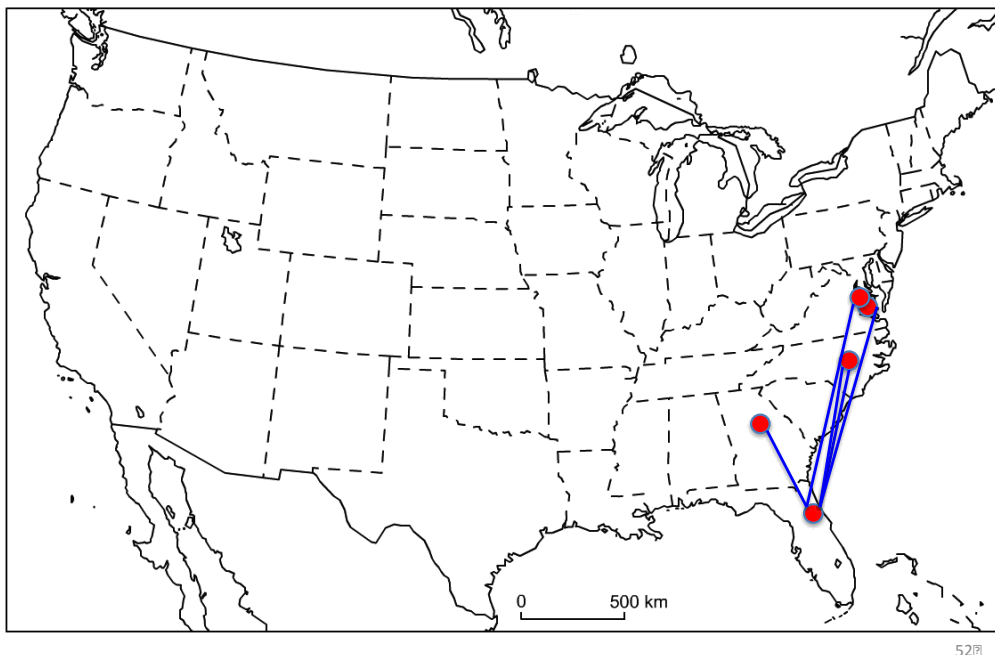


**Figure 40. Key U.S. Coast Guard Interstate Linkages**

- **Florida National Guard**

1. US Army Forces Command
2. US Army Training and Doctrine Command
3. US Army Special Operations Command
4. US Air Force Air Combat Command
5. Center for Disease Control and World Health Organization conduct environmental research at CBJTC
6. National Guard Bureau

**Florida National Guard Interstate Linkages**



**Figure 41. Key Florida National Guard Interstate Linkages**

## Conclusions:

There are significant linkages in select areas where the proximity of other installations and the linkages that exist significantly increase the value of local installations. This is particularly true in the area of training, which is an important factor in military value. The study team's conclusion is that the extent of these linkages, and the effect they have on military value, is not well known in local communities. Two key areas are Avon Park Air Force Range and Naval Air Station Key West (specifically, the Tactical Combat Training System (TCTS) located at NAS Key West and the Key West Range Complex), which provide a superb capability that is used by numerous other Florida installations. In articulating the military value of the local installations that use these unique assets, communities and bases should include the increased value that geographical proximity provides. Additionally, it is in the collective interest of all of these communities to promote the value and un-encroached retention of Avon Park and the training capability at Key West.

The external command and control linkages that Florida's major military installations have are extensive. Clearly, Florida is a key part of the Nation's defense structure, and multiple commands throughout the country rely heavily on the subordinate commands that reside in Florida. This is an area that should be publicized with those commands, especially noting the value that their location in Florida brings to the command as a whole, in terms of cost savings and synergy of location.

Training is the most extensive and valuable area of Florida's installation linkages. The linkages are prolific and highly valuable. The most important of these are the training linkages with the Tactical Combat Training System (TCTS) located at NAS Key West and the Avon Park Air Force Range. Also, Camp Blanding provides a cost efficient training capability to Florida National Guard units throughout the state. Generally, the interdependencies and linkages of these three sites to the local installations did not appear to be as well known or supported in local communities, as their importance would merit. Additionally, although the dependencies and utilization of these installations is extensive by customers throughout the United States, they are not as well known in the communities that are not tied specifically to that capability. E.g. NS Key West's magnificent capability is relatively unknown among the non-aviation community.

One area in training that was not readily apparent was the utilization of major Florida base facilities and ranges by local National Guard units. It was unclear to the study team if the utilization does not frequently occur, or if the utilization merely tends to be undocumented and unpublicized. However, it was the feeling of the study team that these relationships and the utilization of the local major military installations by Florida National Guard units would be beneficial in several ways. First, it would potentially enhance the training of the Guard units in a cost effective way. It would also enhance the value of the local installation by providing another stakeholder to be a champion of that installation.

The role that Florida plays in the operational defense of the Nation is important. As a force projection capability, Florida's location and proximity does not offer a significant advantage to DoD than other locations. However, for certain "defense of the homeland" missions, such as the JIATF-South mission, or contingencies regarding protection of the "southern flank" of the U.S., countering mass migration, and providing humanitarian assistance during major national disasters, the location of Florida's installations and capability offer significant advantages to DoD. Additionally, location of SOUTHCOM headquarters in Miami offers that command physical proximity to its area of responsibility closer than other areas, and it also provides access to much of the commercial relationships that exist between the U.S. and many Central and South American interests. Likewise, the location of MacDill AFB in providing aerial refueling support for both training and operational missions in Southeast U.S., the Caribbean, and Central and South America is an important national capability.

Because most of the modeling, training, and simulation (MT&S) work that is done at Team Orlando results in products that take an indirect fielding route through the Services to Florida's installations, the key role that Team Orlando plays is underappreciated in many communities outside the Orlando area. Additionally, because R&D work is often somewhat secretive, even that which occurs on an installation may be conducted unknown to the surrounding community. Therefore, Team Orlando's significant contributions to installations and the importance of R&D work on local installations is frequently not recognized, and is underappreciated. The synergistic effect that occurred in the development because of the co-location of Service elements and their co-location with the MT&S industry in Orlando is even less visible. Therefore, this effect that TO is providing to Florida installations and the military community is generally not known as well.

There is relatively little logistics linkage between the installations in Florida with the notable exception of the Fleet Readiness Center's impact on aviation maintenance, which not only impacts Florida's Naval aviation and helicopter support, but Naval Aviation throughout the country and the world. The Marine Corps Support Facility at Blount Island, which has essentially no impact among the military installations in Florida, is an important part of the Marine Corps readiness to execute the Nation's contingencies. However, it is the judgment of the study team that while these capabilities and contributions are well known within the functional circles related to their capability, they are not widely known outside of them.

The nature of health care and its provision by the services drives a scarcity of linkages other than medical command and control between medical care at installations and other installations in the U.S. One opportunity that may exist is the relationship between medical care and the significant Veterans Administration medical capability in Florida. It would be worthwhile to determine if there are some synergies to be achieved with proposals that would allow the VA (especially with the significant military retiree population in Florida) and military medical systems to cooperate more extensively in providing health care to the military, their family members, and veterans.

## **Recommendations:**

1. Sustain state-wide support and prevent encroachment of Florida's military ranges, especially Avon Park Air Force Range, Camp Blanding, and the Gulf, Key West, and Jacksonville Range Complexes.
2. Ensure that communities and Congressional representatives such as those around Homestead ARB, Hurlbert Field, and Patrick AFB understand the importance of the combatant commands to their units and missions.
3. Publicize the tremendous value that NAS Key West, the Tactical Combat Training System (TCTS), and the Key West Range Complex provide to units located at Patrick AFB, Hurlbert Field, Tyndall AFB, Eglin AFB, NAS Pensacola, Whiting Field, Homestead ARB, and the Florida Air National Guard with the communities and Congressional representatives who have interests in these customer bases.
4. Ensure that at the State level there are relationships with the commands that have multiple subordinate commands or relationships with units in Florida. Ensure that they understand the value that location in Florida brings to the command as a whole, especially in the areas of cost savings and synergy due to location. The most important commands include Service Special Operations Commands, Air Combat Command (ACC), Air Mobility Command (AMC), Air Force Reserve Command (AFRC), Air Force Material Command (AFMC), Air Education and Training Command (AETC), Naval Air Systems Command (NAVAIR), U.S. Fleet Forces Command (FFC), Naval Facilities Engineering Command (NAVFAC), the Air National Guard, the Army National Guard, U.S. Northern Command (NORTHCOM), U.S. Transportation Command (TRANSCOM), and U.S. SPACECOM.
5. Publicize the value that Avon Park Air Force Range, NAS Key West, and Camp Blanding provide to local installations and units throughout Florida, which depend on them for training to broaden the "stakeholder base" in preserving these valuable Florida installations.
6. Increase local National Guard utilization of facilities and ranges on nearby major military installations, which would add to the value the installation is providing to the Department of Defense. It would also increase the number of "stakeholders" in sustaining the Florida National Guard structure that is critical to the State.
7. Continue to promote the capability and mission criticality of NS Key West, Avon Park Air Force Range, and Camp Blanding with senior military leadership, the Florida Congressional delegation, and the communities that are not the frequent users of these installations' facilities.



8. Help to publicize at National level in DoD and among the Congressional delegation (beyond South Florida's representatives) the importance of JIATF-S and the SOUTHCOM mission, and their benefit from their current locations.
9. Help to publicize among the Congressional delegation, major commands, and communities in Florida the significant role that Florida's military installations play in "defense of the homeland" and contingency operations.
10. To the degree which it can be done, publicize the research and development capabilities that installations are providing to local communities and the important role these activities play in the value the installations bring to DoD. Additionally, publicize throughout the State and the Congressional delegation the importance Team Orlando plays in providing effective modeling, training, and simulation capabilities to the installations in their district and/or state.
11. In addition to building greater awareness among senior DoD leaders of Team Orlando's value and the synergistic value of its components' location in Orlando, publicize the same with communities that benefit from their work and the Congressional offices with districts outside the Orlando area.
12. Publicize the capability and contribution Fleet Readiness Center Southeast and the Marine Corps Support Facility provide to DoD among the non-local Congressional delegation and militarily outside of the Naval Aviation community and the Marine Corps Logistics communities.
13. Determine if there are synergies to be achieved with proposals that would allow the Veterans Administration facilities and military medical systems to cooperate more extensively in providing health care to the military, their family members, and veterans.
14. Prepare tailored briefings of the Linkages Study results and brief the Florida Defense Alliance, Congressional Delegation, and select community organizations.

# U.S. Navy Florida Linkages



## Major Navy Installations

- **Naval Air Station Jacksonville**
- **Naval Air Station Key West**
- **Naval Air Station Pensacola**
- **Navy Support Activity Panama City**
- **Naval Station Mayport**
- **Blount Island Command/Marine Corps Support Facility Blount Island**
- **Naval Air Station Whiting Field**
- **Naval Technical Training Center Corry Station (NAS Pensacola)**

## Naval Air Station Jacksonville

**Mission:** The mission of NAS JAX is to enable naval aviation warfighting readiness by supporting the fleet, fighter and family.

Naval Air Station Jacksonville is one of the Navy's fastest growing installations. It is the largest Navy base in the Southeast Region and third in the nation. As a master air and industrial base, Naval Air Station Jacksonville supports U.S. and allied forces specializing in anti-submarine warfare and training of the best aviators in the world. It's proximity to Pinecastle Bombing Range, which is the only range on the east coast that the Navy can drop live ordnance on allows aircraft there and in the fleet realistic training that is key to Navy readiness.

**Major Tenants:** NAS JAX is host to 117 tenant commands, including:

- Commander Navy Region Southeast (CNRSE)
- Fleet Readiness Center SE (FRCSE)
- Commander Patrol Wing 11
- VP-30, Fleet Readiness Squadron (FRS)
- Naval Facilities Engineering Command Southeast (NAVFAC SE)
- Among others

**MAJCOM Affiliation(s):**

- Commander Naval Installations Command (CNIC)
- Naval Air Systems Command (NAVAIR) @ Commander Fleet Readiness Centers
- Chief of Naval Air Training (CNATRA)
- Commander Naval Air Forces, US Atlantic Fleet (AIRLANT)

**In-State Installation/Mission Linkages:**

- All Naval installations in Florida reporting to CNRSE
- Direct link to NAVSTA Mayport and NAS Key West for aircraft maintenance
- Indirect links to NAS Whiting Field and NAS Pensacola for contract maintenance
- USAF H-60 helicopter maintenance support at Patrick AFB, Hurlburt AFB, and Eglin AFB
- All Naval installations in Florida supported by contracting arm of NAVFAC

**MAJCOM (External to Florida) Linkages:**

- CNRSE and NAVFAC have command and control and contracting support respectively external to Florida: Naval Weapons Station (NAVWPNSTA) Charleston, NAVSTA Gitmo, Naval Construction Battalion Center (CBC) Gulfport, SUBBASE Kings Bay, NAS Meridian, NAS Corpus Christi, NAS/JRB Fort Worth, NAS Kingsville and JRB New Orleans
- NAS Whidbey in Washington State is host to the Pacific Fleet Patrol Wing Squadron

## Naval Air Station Key West

**Mission:** NAS Key West's mission is to support operational and readiness requirements for the Department of Defense, Department of Homeland Security, National Guard, Federal agencies and Allied Forces. This overarching mission statement belies the fact that NAS Key West, the airfield at Boca Chica, is the crown jewel for training Tactical Aviation Squadrons. Fleet Readiness Squadrons and Carrier Air Wings from NAS Oceana, VA and NAS Lemoore, CA come to Key West to train against adversary aircraft from VFC-111 Sun Downers, a Reserve aviation squadron of some 18 Northrop F-5 Tiger II jet aircraft.

### Major Tenants:

- VFC-111 Sun Downers, Adversary Squadron
- Joint Interagency Task Force (JIATF) – South
- U.S. Coast Guard
- U.S. Army Special Forces Combat Divers School
- Tactical Combat Training System (TCTS)
- Among others

### MAJCOM Affiliation(s):

- Naval Air Forces Atlantic/Pacific (AIRLANT/AIRPAC)
- Naval Air Systems Command (NAVAIR)
- SOUTHCOM

### In-State Installation/Mission Linkages:

- TCTS customers in Florida include Florida ANG, Patrick AFB, Hurlburt ARB, Tyndall AFB, Eglin AFB, NAS Pensacola, NAS Whiting Field

### MAJCOM (External to Florida) Linkages:

- Fleet Replacement Squadrons (FRS) at NAS Lemoore, CA and NAS Oceana, VA plus multiple other Navy carrier air wings and Fleet aviation squadrons, USAF, Air National Guard throughout and across the United States from New England to California and Texas to Alaska (See attached)
- The Adversary Squadron is manned by Naval Reservists from all across the south

## Naval Air Station Pensacola

**Mission:** NAS Pensacola provides support to 89 Department of Defense (DoD) and 30 non-DoD tenant commands, most of which are primarily dedicated to the training of Navy, Marine Corps, and Coast Guard personnel in naval aviation. The initial primary training base for all Navy, Marine and Coast Guard aviators and Naval Flight Officers, the advanced training base for most Naval Flight Officers.

### Major Tenants:

- United States Navy Flight Demonstration Squadron, the precision-flying team known as the Blue Angels.
- The Naval Education and Training Command (NETC)
- The Naval Aerospace Medical Institute (NAMI)
- The Naval Air Technical Training Center (NATTC)
- Training Air Wing SIX
- Among others

### MAJCOM Affiliation(s):

- Navy Regional Commander Southeast
- Naval Education and Training Command (NETC) and the Chief of Navy Personnel (CNP)
- Chief of Naval Air Training (CNATRA)
- Naval Air Systems Command (NAVAIR)
- Walter Reed National Military Medical Center (NMMC)

### In-State Installation/Mission Linkages:

- NAS Whiting Field for pilot training
- NAS Jacksonville, host to the Regional Commander

### MAJCOM (External to Florida) Linkages:

- Command and control linkages to the Chief of Naval Personnel, VA and NAVAIR, MD
- Surgeon General in Bethesda, Maryland for medical training

## **Navy Support Activity Panama City**

**Mission:** NSA Panama City hosts the Naval Surface Warfare Center Panama City Division (NSWC PCD) which conducts research on littoral warfare and its disciplines include optics, acoustics, mine warfare and robotics. Employs approximately 1,100 scientists and engineers.

### **Major Tenants:**

- Naval Surface Warfare Center (NSWC)
- Navy Experimental Diving Unit (NEDU)
- Navy Diving Salvage and Training Center
- Deployable Joint Command and Control System

### **MAJCOM Affiliation(s):**

- Navy Surface Warfare Center
- Naval Education and Training Command (NETC)
- Naval Sea Systems Command (NAVSEA)

### **In-State Installation/Mission Linkages:**

- Linkages exist to Eglin AFB for deconflicting the frequency spectrum, destructive testing, hot ranges, Landing Craft Air Cushioned (LCAC) testing pond, and Explosive Ordnance Disposal (EOD) among others
- Tyndall AFB for sharing ranges

### **MAJCOM (External to Florida) Linkages:**

- Links to eight other Navy Surface Warfare Centers from California to Pennsylvania:
  - o Carderock, MD
  - o Corona, CA
  - o Crane, IN
  - o Dahlgren, VA
  - o Dam Neck, VA
  - o Indian Head, MD
  - o Philadelphia, PA
  - o Port Hueneme, CA

## Naval Station Mayport

**Mission:** The mission of NS Mayport is to sustain and enhance Warfighter readiness by providing support to the Fleet and Sailors. Its command motto is “Finest Service to the Finest Fleet.”

### Major Tenants:

NS Mayport is host to 83 tenant commands including sixteen ships, four helicopter squadrons and the Navy’s Fourth Fleet. With over 7,500 active duty Sailors assigned to the various base commands, it represents the third largest Navy fleet concentration area in the U.S. Most of the tenant commands located at Mayport have missions in direct support of the ships and aircraft assigned. The significant tenant commands include:

- Commander, U.S. Fourth Fleet/U.S Naval Forces Southern Command
- Commander, Helicopter Maritime Strike Wing, U.S Atlantic Fleet including several active and reserve helicopter squadrons
- Two Destroyer Squadrons including various ship classes including an Amphibious Ready Group (ARG)
- Afloat Training Group Mayport
- Southeast Regional Maintenance Center
- Among others

### MAJCOM Affiliation(s):

- Navy Region Southeast
- Naval Surface Forces Atlantic (SURFLANT)
- SOUTHCOM

### In-State Installation/Mission Linkages:

- NAS Jacksonville for aircraft maintenance
- NAS Key West for harbor and ranges

### MAJCOM (External to Florida) Linkages:

- Command and control ties to Norfolk, VA

## **Blount Island Command/Marine Corps Support Facility Blount Island**

**Mission:** Provide Prepositioning Programs and operational logistics support to Marine Corps and Department of Defense forces to enable them to rapidly and successfully conduct and quickly recover from assigned missions across the full spectrum of expeditionary warfare and anti-terrorist operations.

**Major Tenants:** There are two major commands at Blount Island.

- Blount Island Command (BIC)
- Marine Corps Support Facility Blount Island (MCSF-BI)

A single integrated staff manages Blount Island with the Commanding Officer serving in the dual role of Commanding Officer of both BIC and MCSF-BI.

**MAJCOM Affiliation(s):** Marine Corps Logistics Command

**In-State Installation/Mission Linkages:**

- NAVSTA Mayport for training

**MAJCOM (External to Florida) Linkages:**

- Charleston, SC for similar mission
- Marine Corps Logistics Command, Albany, GA



## Naval Air Station Whiting Field

**Mission:** NAS Whiting Field is the seed corn for Naval aviation, the factory for “manufacturing warriors.” Although a variety of mission statements was encountered, for example, to train student naval aviators in the primary and intermediate phases of fixed-wing aviation, and in the advanced phases of helicopter training, the mission of Whiting Field is simple and understated...to produce the military’s best trained “Aviation Warfighter.” The statement could be modified to identify that the training is for Navy, Marine Corps, Air Force, Coast Guard, and international militaries.

### **Major Tenants:**

- Commander, Training Wing Five which consists of three fixed-wing Training Squadrons and three rotary wing Training Squadrons.

### **MAJCOM Affiliation(s):**

- Naval Education and Training (NETC)
- Chief of Naval Air Training (CNATRA)

### **In-State Installation/Mission Linkages:**

- NAS Pensacola for command and control and shared support roles

### **MAJCOM (External to Florida) Linkages:**

- NAS Kingsville, TX for training
- NAS Corpus Christi, TX for command and control and training

## **Naval Technical Training Center Corry Station (NAS Pensacola)**

**Mission:** **NTTC Corry Station** hosts the Center for Information Dominance (CID) whose mission is to deliver full spectrum Cyber Information Warfare and Intelligence Training to achieve decision superiority. Training is provided to all Services and the Coast Guard.

### **Major Tenants:**

- Center for Information Dominance
- Among others

### **MAJCOM Affiliation(s):**

- Naval Education and Training Command (NETC)
- US Fleet Cyber Command/ US 10<sup>th</sup> Fleet

### **In-State Installation/Mission Linkages:**

- NAS Pensacola for command and control

### **MAJCOM (External to Florida) Linkages:**

- Fort Meade, MD for command and control and training

# U.S. Air Force Florida Linkages



## List of USAF Installations

- Hurlburt Air Force Base
- Eglin Air Force Base
- Tyndall Air Force Base
- MacDill Air Force Base
- Patrick Air Force Base and Cape Canaveral Air Force Station
- Avon Park Air Force Range
- Homestead Air Reserve Base
- Jacksonville International Airport/Air National Guard Base

## Hurlburt Air Force Base

**Installation Description:** Hurlburt Air Force Base is part of the greater Eglin Air Force Base reservation. It is home to Headquarters Air Force Special Operations Command (AFSOC), the 1st Special Operations Wing (1 SOW), the USAF Special Operations School (USAFSOS), and the Air Combat Command's (ACC) 505th Command and Control Wing.

### Major Tenants:

- 1st SOW – the host. Its mission focus is to organize, train, and equip Air Force special operations forces for global employment and to assist foreign countries in the establishment of internal air defense abilities. The wing focuses on unconventional warfare including counterinsurgency and psychological operations during low-intensity conflicts.
- Air Force Special Operations Command (AFSOC) (management) - AFSOC is the Air Force component of U.S. Special Operations Command, a unified command. AFSOC has approximately 12,500 active duty, Reserve, Air National Guard, and civilian professionals, with over 20 percent stationed overseas. The command has more than 160 fixed and rotary wing aircraft assigned. Includes 23rd Air Force (AFSOC) (operational leadership) - AFSOC's only Numbered Air Force.
- 24th Special Operations Wing (AFSOC) (battlefield airmen operations) - The 24th SOW provides Special Operations Battlefield Airmen for global employment to enable airpower success. The Wing was officially activated on May 12, 2012 and (according to the "Hurlburt Warrior") has 19 elements in 29 locations with its major operational unit being the 720th Special Tactics Group.
- The Air Force Combat Weather Center (AFCWC) - AFCWC operates under the Air Force Weather Agency, a field operating agency reporting to the Air Force Director of Weather (HQ USAF/XOW). AFCWC examines Air Force, Army, and special operations battlefield weather needs and evaluates emerging weather technologies to assist battlefield commanders.
- Air Combat Command's (ACC) 505th Command and Control Wing - The 505 CCW conducts instruction and exercise responsibilities for joint air/ground operations (including several exercises per year) and develops and evaluates warfighter tactics, techniques, and procedures to support joint air operations worldwide. More than 10,000 military personnel participate each year in the group's Blue Flag and other exercises.

**MAJCOM Affiliation(s):** Air Force Special Operations Command (Hurlburt AFB, FL)  
**In-State Installation/Mission Linkages:**

- Command and Control –

- The 919<sup>th</sup> SOW (at Eglin AFB) - In wartime or a contingency, the 919<sup>th</sup> SOW reports to Air Force Special Operations Command at Hurlburt Field, FL, its gaining major command
- SOCOM (MacDill AFB) – direct C2 links with AFSOC
- SOCSOUTH (Homestead ARB) – C2 links with AFSOC
- CENTCOM (MacDill AFB) – C2 links with AFSOC
- Communications - N/A
- Training –
  - The 919<sup>th</sup> Special Operations Wing (Eglin AFB) trains with the 1<sup>st</sup> SOW at Hurlburt Field; they use the Range facilities at Eglin AFB and APAFR
  - The 1<sup>st</sup> SOW receives Air Refueling Support from the 6<sup>th</sup> AMW at MacDill.
  - 505<sup>th</sup> CCW trains with units from Eglin and uses the Range facilities at Eglin and APAFR
- Operations –
  - The 919<sup>th</sup> Special Operations Wing (Eglin AFB) provides operating forces for AFSOC
  - AFSOC and the 1<sup>st</sup> SOW respond to orders from SOCOM
- Administrative Support – AFSOC provides support for the 919<sup>th</sup> SOW
- Research and Development – Ranges at Eglin AFB
- Logistics – AFSOC provides support for the 919<sup>th</sup> SOW
- Health Care – N/A

**MAJCOM (External to Florida) Linkages:**

- MAJCOM's that use Hurlburt AFB include AFSOC, AFRC, AMC, ACC, USASOC
- All COCOMs are linked to AFSOC in some way, via SOCOM
- AFSOC is a National asset called upon by numerous COCOM's, MAJCOM's, special units
- Air Force Weather Agency (Offutt AFB, Nebraska) with the Air Force Combat Weather Center (AFCWC)
- AFSOC units train and deploy with elements of USASOC, the 18<sup>th</sup> ABNE Corps, and other special units from Fort Bragg, NC
- ACC with the 505<sup>th</sup> Combat Control Wing – direct linkages
- Note: Hurlburt is in competition to host the new AFIMSC – will have ties to all MAJCOM's

## Eglin Air Force Base

**Installation Description:** The 96th Test Wing, Eglin AFB, Florida, is the test and evaluation center for Air Force air delivered weapons, navigation and guidance systems, Command and Control systems, and Air Force Special Operations Command systems. The wing provides evaluation and validation of the performance of systems throughout the design, development, acquisition, and sustainment phases to ensure the warfighter has technologically superior, reliable, maintainable, sustainable and safe systems. Additionally, the wing commander serves as the installation commander, supporting Team Eglin with traditional military services to include civil engineering, personnel, logistics, communications, computer, medical, security, and all other host services. Units at Eglin also operate the Eglin Range, the Gulf Test and Training Range, and in consultation with civil authorities, the airspace over the panhandle of Florida.

### **Major Tenants:**

- The 96th Test Wing – the host. It supports the Air Armament Center and associate units with traditional military services as well as all the services of a small city, to include civil engineering, personnel, logistics, communications, computer, medical, security, and all other host services.
- 33rd Fighter Wing is an integrated graduate flying and maintenance training wing for the F-35A, B, and C, organized under Air Education and Training Command's 19th Air Force. It is an associate unit at Eglin Air Force Base, FL.
- 53rd Wing, located at Eglin Air Force Base, FL, serves as the focal point for the Combat Air Forces in electronic warfare, armament and avionics, chemical defense, reconnaissance, and aircrew training devices. The wing is also responsible for operational testing and evaluation of new equipment and systems proposed for use by these forces.
- Air Force Research Laboratory Munitions Directorate.
- Naval School Explosive Ordnance Disposal (NAVSCOLEOD) is a Navy-managed command, jointly staffed by Army, Navy, Air Force, and Marine Corps personnel.
- 919th Special Operations Wing (AFRC) is located about five miles south of Crestview and 20 miles from the main Eglin AFB at Duke Field. The 919th SOW is the only special operations wing in the Air Force Reserve Command.
- 7th Special Forces Group (Army) is one of five active Special Forces Groups providing specialized support to the combatant commanders.

- 20th Space Control Squadron detects, tracks, identifies, space objects in earth's orbit, and provides space object identification data in support of United States Strategic Command's space control mission.
- 6th Ranger Training Battalion (RTB) is located at Eglin Auxiliary Field Six, Camp James E. Rudder. The 6th RTB conducts the final phase of the U.S. Army Ranger Course.

**MAJCOM Affiliation(s):** Air Force Materiel Command (Wright-Patterson AFB, Ohio), Air Education and Training Command (Randolph AFB, TX)

**In-State Installation/Mission Linkages:**

- Command and Control –
  - 919<sup>th</sup> SOW - In wartime or a contingency, the 919th SOW reports to Air Force Special Operations Command at Hurlburt Field, FL, its gaining major command
  - 7th Special Forces Group (Army) – Receives C2 from SOCOM (MacDill AFB) – via USASOC
  - Eglin AFB provides C2 for the drones operating out of Tyndall AFB
- Communications – N/A
- Training –
  - F-35's from Eglin AFB receive Air Refueling Support from the 6<sup>th</sup> AMW at MacDill, and train at the Range sites controlled by APAFR
  - The 919th Special Operations Wing and 7th Special Forces Group (Army) train together and with the 1<sup>st</sup> SOW at Hurlburt Field; they use the Range facilities at Eglin AFB and APAFR
  - The 53rd Wing receives Air Refueling Support from the 6<sup>th</sup> AMW at MacDill, and trains at the Range sites controlled by APAFR
  - Tyndall AFB uses the Eglin Ranges for their drones
- Operations –
  - The 919th Special Operations Wing and 7th Special Forces Group (Army) provide operating forces for SOCOM and AFSOC
- Administrative Support – AFSOC provides support for the 919<sup>th</sup>
- Research and Development –
  - AFSOC (Hurlburt) uses the Ranges for R&D
  - There may be future linkages with Orlando
- Logistics – AFSOC provides support for the 919<sup>th</sup>
- Health Care – N/A

### **MAJCOM (External to Florida) Linkages:**

1. MAJCOM's that use Eglin AFB include AFMC, AFSOC, AFRC, ACC, AETC, AFSPACE.
2. COCOMs that use Eglin include SOCOM, STRATCOM, NORTHCOM, TRANSCOM, CENTCOM, SPACECOM.
3. The Range Facilities at Eglin AFB provide a National asset for our Combat forces and Test and Evaluation forces – linkages are numerous (Edwards AFB Test, AFRL, ACC fighters, CSAR forces, etc.).
4. The 7<sup>th</sup> SFG has linkages to Fort Bragg, NC – USASOC.
5. The 20th Space Control Squadron detects, tracks, identifies, space objects in earth's orbit, and provides space object identification data in support of United States Strategic Command's space control mission.
6. The Air Force Research Laboratory Munitions Directorate and 96<sup>th</sup> TW have linkages to AFMC at WPAFB, Ohio.
7. The 96<sup>th</sup> TW is tied directly to the AF Test Center at Edwards AFB, California.



## Tyndall Air Force Base

**Installation Description:** The primary operational unit at Tyndall AFB is the 325th Fighter Wing. The 325th FW contains the Formal Training Unit for the F-22 fighter. Tyndall AFB is located adjacent to the overwater Gulf Range, which is Special Use Airspace that is heavily used by the 29 F-22 aircraft of the FTU as well as weapons evaluation, including live munitions against supersonic QF-4 drones. The Air Force recently announced the movement of a combat coded F-22 squadron of 24 aircraft to Tyndall AFB. The move will raise the total assigned F-22s to 53. The Air Force is also moving 20 T-38 Talon aircraft from a variety of locations to Tyndall. The T-38s will be used as aggressor aircraft for the training and continued proficiency of the F-22 pilots.

### Major Tenants:

- The host unit at Tyndall AFB is the 325th Fighter Wing. The primary mission of the 325th FW is to train and project unrivaled combat power.
- 1st Air Force (AFNORTH) is responsible for ensuring the air sovereignty and air defense of the continental United States, U.S. Virgin Islands, and Puerto Rico.
- 601st Air and Space Operations Center plans, directs, and assesses air and space operations for the North American Aerospace Defense Command and U.S. Northern Command. The AOC provides aerospace warning and control for NORAD Defensive Counter Air activities. The 601st AOC directs Air Force air and space capabilities in support of USNORTHCOM homeland security and civil support missions. The unit is a member of the Florida Air National Guard, capable of operating as a state entity or a Federal entity, as required by the mission at hand.
- Air Force Civil Engineer Center (East) provides technical support, training, and equipment for emergency management, expeditionary engineering, fire emergency services, and explosive ordinance disposal. AFCEC's Air Force Facility Energy Center directs and implements research on energy conservation in facilities throughout the Air Force. AFCEC also provides the "reach back" capability for deployed engineers addressing conditions in an expeditionary environment. AFCEC also addresses topics such as rapid repair of bomb damage to airfields.
- 53rd Weapons Evaluation Group conducts the Air Force's air-to-air Weapon System Evaluation Program, known as Combat Archer, and the Air Force's air-to-ground Weapon System Evaluation Program, known as Combat Hammer. It also supports Weapons Instructor Course air-to-air formal training syllabi. Unit personnel provide all Air Force aerial target support for DoD users in the Gulf Ranges and full-scale targets for Title 10 testing at White Sands Missile Range, Holloman AFB, N.M.

**MAJCOM Affiliation(s):** ACC (Langley AFB, VA), AETC (Randolph AFB, TX)

### In-State Installation/Mission Linkages:

- Command and Control –
  - AFNORTH – C2 linkages with CENTCOM, SOCOM, SOUTHCOM, AFSOC.

- AFNORTH – C2 linkages with the Guard unit at Homestead ARB.
- 53<sup>rd</sup> Weapons Evaluation Group with the Range control facility at Eglin AFB.
- Communications – N/A
- Training –
  - 53<sup>rd</sup> Weapons Evaluation Group, 601st AOC, 53d WEG, Air Battle Manager Schools, and EOD use the Range facility at Eglin AFB and the overwater Gulf Ranges.
  - The 325<sup>th</sup> FW uses the Range facilities at Eglin AFB, the overwater Gulf Ranges and the overwater Ranges controlled by APAFR.
  - The 325<sup>th</sup> FW receives refueling support from the 6<sup>th</sup> AMW at MacDill AFB.
- Operations –
  - The 601st AOC directs Air Force air and space capabilities in support of USNORTHCOM homeland security and civil support missions. The unit is a member of the Florida Air National Guard, capable of operating as a state entity or a Federal entity, as required by the mission at hand AFSOC and the 1<sup>st</sup> SOW respond to orders from SOCOM.
- Administrative Support – N/A
- Research and Development – 53<sup>rd</sup> Weapons Evaluation Group works hand in hand with the Test Wing at Eglin AFB.
- Logistics – N/A
- Health Care – N/A

**MAJCOM (External to Florida) Linkages:**

1. MAJCOM's that use Tyndall AFB include ACC, AFRC, AETC, AFMC.
2. COCOMs that use Tyndall AFB include NORTHCOM.
3. The 53<sup>rd</sup> Weapons Evaluation Group supports Weapons Instructor Course air-to-air formal training syllabi. Unit personnel provide all Air Force aerial target support for DoD users in the Gulf Ranges and full-scale targets for Title 10 testing at White Sands Missile Range, Holloman AFB, N.M.
4. AFCEC "East" has linkages to all of the MAJCOM's, testing materiel and equipment for use within CONUS and deployed. They will be tied to the new AFIMSC being stood up.

Note: Tyndall is in competition to host the new AFIMSC.

## MacDill Air Force Base

**Installation Description:** MacDill AFB is an Air Mobility Command (AMC) base whose primary mission is to provide worldwide air refueling and airlift in support of the Air Force's Global Reach, Global Power mission. In addition, it provides administrative, medical, and logistical support for United States Central Command and United States Special Operations Command, including 16 flag officers, additional mission partner agencies, and the MacDill AFB community.

### Major Tenants:

- The 6th AMW is the host organization at MacDill AFB. Its mission is to generate and execute Air Refueling, Airlift, and Contingency Response, while providing base support for joint, coalition, and interagency partners.
- Headquarters United States Central Command (USCENTCOM).
- United States Special Operations Command (USSOCOM).
- Joint Communications Support Element (JCSE).
- National Oceanic and Atmospheric Administration (U.S. Department of Commerce) – includes an Aircraft Operations Center (AOC), which provides C2 for the NOAA WP-3D Orion and Gulfstream V hurricane hunter aircraft fleet.
- Numerous others.

**MAJCOM Affiliation(s):** Air Mobility Command (Scott AFB, Illinois), USCENTCOM (MacDill AFB, Florida), USSOCOM (MacDill AFB, Florida)

### In-State Installation/Mission Linkages:

- Command and Control –
  - SOCOM has C2 links with SOCSOUTH at Homestead ARB.
  - CENTCOM has C2 links with SOCOM and SOUTHCOM (Miami).
  - JCSE although built for deployment C4, maintains C2 links with the Combatant Commands.
  - The 290<sup>th</sup> Joint Communications Support Squadron is a FLANG unit that provides communications for emergencies – FEMA included.
- Communications – N/A
- Training – The 6<sup>th</sup> AMW tankers train with units from Homestead ARB, Eglin AFB, Tyndall AFB, Hurlburt Field, NAS Jacksonville.
- Operations –
  - SOCOM generates OPORDS to its air component AFSOC (Hurlburt Field, FL).
  - SOCOM is connected to SOCSOUTH, SOCCENT, and MARCENT through SOUTHCOM.

- Administrative Support –
  - SOCOM with AFSOC.
  - The 6<sup>th</sup> AMW provides support for Avon Park AF Range – APAFR Deployed Unit Complex.
  - The 6<sup>th</sup> AMW also provides day to day support for the members stationed at APAFR.
- Research and Development – R&D Acquisition for SOCOM forces.
- Logistics –
  - The 6<sup>th</sup> AMW provides support for Avon Park AF Range – APAFR Deployed Unit Complex.
- Health Care –
  - The 6<sup>th</sup> AMW provides day to day support for the members stationed at APAFR.

**MAJCOM (External to Florida) Linkages:**

1. MAJCOM's that use MacDill AFB include AMC and AFRC.
2. COCOM's that use MacDill AFB include USTRANSCOM, CENTCOM, SOUTHCOM, NORTHCOM.
3. Agencies that use MacDill AFB include NOAA.
4. Charleston C-17's and Barksdale B-52's receive Air Refueling Support from the 6<sup>th</sup> AMW.
5. The 6<sup>th</sup> AMW has two tanker wings associated with it
  - The 117<sup>th</sup> ARW – a 6<sup>th</sup> AMW active duty squadron is associated with the 117<sup>th</sup> at Birmingham, AL.
  - The 916<sup>th</sup> ARW - a 6<sup>th</sup> AMW active duty squadron is associated with the 916<sup>th</sup> at Seymour Johnson AFB, NC.

## Patrick Air Force Base and Cape Canaveral Air Force Station

**Installation Description:** The 45th Space Wing operates Cape Canaveral Air Force Station, which consists of numerous space launch complexes that have been built over the last fifty years. Cape Canaveral Air Force Station provides the facilities to assemble heavy lift rockets and their payloads for launch into space. The government payloads support our national defense, navigation systems, and government satellite communications. Cape Canaveral AFS is not to be confused with NASA's Kennedy Space Center, which conducted manned space flight with the Space Shuttle for many years.

Associated with Cape Canaveral AFS is the Eastern Test Range. The "range" extends from Cape Canaveral south and east through the eastern Caribbean to Ascension Island, which is off the west coast of Africa. The range can also support missions to the northeast through the gap between Iceland and Ireland.

### Major Tenants:

- Patrick Air Force Base (45<sup>th</sup> Space Wing) is the host and provides support for numerous one-of-a-kind units that operate and maintain the Air Force facilities at Cape Canaveral and the Eastern Test Range.
- 920th Rescue Wing (AFRC) is a combat-search-and-rescue unit .
- The Naval Ordnance Test Unit (NOTU) is a one of a kind Navy unit that supports the Nation's Strategic Defense Strategy.
- Military Sealift Command - The Military Sealift Command supports submarine test missile launches and military cargo operations from its Port Canaveral office.
- NOTU operates the Navy port at Port Canaveral, supporting surface warship and submarine visits.
  - Department of State/Office of Aviation operation.
  - National Aeronautics and Space Administration (NASA).
  - Air Force Technical Applications Center (AFTAC). AFTAC monitors compliance with nuclear treaties throughout the world .
  - U.S. Coast Guard Armory, Cape Canaveral.
  - Numerous others.

**MAJCOM Affiliation(s):** Air Force Space Command (Peterson AFB, Colorado), Air Force Reserve Command (Robins AFB, Georgia), Air Combat Command (Langley AFB, VA)

### In-State Installation/Mission Linkages:

- Command and Control
  - The 45<sup>th</sup> Space Wing has C2 links with NASA at the Kennedy Space Center.
  - The 45<sup>th</sup> Space Wing has C2 links with CENTCOM HQ, SOUTHCOM HQ, and USSOCOM HQ – in Florida.
- Communications – N/A.

- Training – N/A.
- Operations
  - The 45<sup>th</sup> Space Wing is integrally linked to Space Launches with NASA at the KSC.
  - The CSAR unit is linked to the USCG in Miami.
- Administrative Support – N/A.
- Research and Development – Naval Ordnance Test Unit and JSTARS Test.
- Logistics – N/A.
- Health Care – N/A.

**MAJCOM (External to Florida) Linkages:**

1. MAJCOM's that use Patrick AFB and Cape Canaveral include AFSPC, AFRC, ACC.
2. COCOM's that use Patrick AFB and Cape Canaveral include SPACECOM, USTRANSCOM.
3. Agencies that use Patrick AFB and Cape Canaveral include, DOS, NASA, USCG.
4. The 920 RQW is home stationed at Patrick Air Force Base, Florida with additional Geographically Separated Units (GSUs) at Davis-Monthan Air Force Base, Arizona and Portland International Airport/Air Reserve Station, Oregon.
5. If mobilized, the 920 RQW is gained by the Air Combat Command (ACC).

Important note: Cape Canaveral is a national asset that has a direct impact on numerous corporations, scientific organizations, academia, and DoD. It also is tied to International organizations and agencies.

## Avon Park AF Range

**Installation Description:** Avon Park Air Force Range (APAFR) is the largest bombing and gunnery range east of the Mississippi River. APAFR has approximately 400 square miles of restricted airspace, 1,000 square miles of military operating area and 106,035 acres, providing an important training facility for active duty, guard, and reserve military units from the Army, Navy, Air Force, Marines, and Coast Guard, and for special operations and Homeland Security personnel.

### Major Tenants:

- Detachment 1, 23d Wing, a subordinate unit of the 23d Wing (23 WG), an Air Combat Command (ACC) composite fighter and rescue wing located at Moody Air Force Base, Georgia.
- Florida Army National Guard (FLARNG) Unit Training Equipment Site (UTES).
- State of Florida Juvenile Academy.
- Avon Park Correctional Institution.

**MAJCOM Affiliation(s):** Air Combat Command (Langley AFB, VA).

### In-State Installation/Mission Linkages:

- Command and Control – N/A.
- Communications – N/A.
- Training – APAFR has linkages with a good number of the other units and bases in Florida.
  - Homestead ARB is the primary customer of the APAFR.
  - A10's flying out of MacDill AFB use the Range facility (in fact – they are now cleared to operate out of the runway at APAFR) (the A-10's are out of the 23d Fighter Wing that APAFR is attached to – Moody AFB, GA.)
  - F-35's out of Eglin AFB use APAFR.
  - F-22's from Tyndall AFB use the overwater range (W168) controlled by APAFR.
  - AFSOC forces out of Hurlburt practice on the grounds at APAFR (AC-130's, CV-22's, etc.).
  - Soldiers from the Florida Army National Guard train/exercise at the Range facility.
  - CSAR units out of Patrick use the Range for Training.
- Operations –
  - APAFR has a direct link to the 6<sup>th</sup> AMW at MacDill AFB - Avon Park has a Deployed Unit Complex at MacDill that provides operational support for aircraft using the Ranges.
  - The AFSOC units use APAFR to prepare to deploy.

- Administrative Support – The 6<sup>th</sup> AMW provides admin support for the members stationed at APAFR.
- Research and Development – N/A.
- Logistics – The DUC at MacDill provides support for aircraft using the Ranges (AGE Equipment, etc).
- Health Care – The 6<sup>th</sup> AMW provides health care for the military stationed at APAFR.
- Other – the APAFR has a great working relationship with the State of Florida Juvenile Academy and the Avon Park Correctional Institution.

**MAJCOM (External to Florida) Linkages:**

7. Training – numerous units from DoD and other agencies use APAFR, including active duty, guard, and reserve military units from the Army, Navy, Air Force, Marines, and Coast Guard, and special operations and Homeland Security personnel. Significant units include:
  - STS units out of Pope and Hulburt as they prepare to deploy
  - Tennessee National Guard (OH-58's)
  - JTACS out of Moody AFB
  - NAFSA
  - NOAA
  - Multiple States train their firefighters
  - The 3<sup>rd</sup> of the 160<sup>th</sup> SOAR – Savannah, GA
  - Ranger Training
  - Canadian fighters use W-168
  - JSOC – Fort Bragg – Jaded Thunder Exercise
  - F-35's from Edwards AFB, CA and Nellis AFB, NV
8. Recently HLS and ACC approved a Caribbean Mass Migration Plan that included APAFR (warehousing and processing).
9. Combat Search and Rescue training available to CSAR units at Moody AFB, GA.
10. A10 training for the 23d Fighter Wing out of Moody AFB (mentioned above – they often forward deploy to MacDill and launch out of there – recent changes may allow the A-10's to operate out of APAFR).
11. F-18's out of Oceana NAS, VA often use the Range.
12. MAJCOM's that use APAFR include ACC, AFSOC, AMC.



## Homestead Air Reserve Base

**Installation Description:** Homestead ARB is the largest military airfield in southern Florida. There is good access to special use airspace, an air traffic control environment that allows flexible scheduling, and a large metropolitan commercial environment that can provide various contract support activities. The greatest strength of Homestead ARB is its airfield with a long runway, large ramps, and unfettered air traffic control. The reduced cantonment is in good condition and provides the core features necessary for flexibility and efficient operation.

### Major Tenants:

- The primary and host unit at Homestead ARB (HST) is the 482 Fighter Wing (AFRC). The wing is equipped with approximately 24 primary assigned aircraft (F-16C/D).
- Detachment 1 of the 125th FW (Florida ANG). The detachment maintains an air defense alert mission as directed using aircraft and crews from the 25th FW, Jacksonville International Airport.
- Special Operations Command South (SOC SOUTH) has its cantonment on Homestead ARB.
- The 50th Regional Support Group (Florida National Guard) is tenant at Homestead ARB.
- The USCG Marine Safety and Security Team – Miami is a tenant at Homestead ARB.
- Customs and Border Protection Air Branch for Miami.

**MAJCOM Affiliation(s):** Air Force Reserve Command (Robins AFB, Georgia).

### In-State Installation/Mission Linkages:

- Command and Control
  - SOC SOUTH has C2 links with SOUTHCOM in Miami and AFSOC at Hurlburt.
  - 125<sup>th</sup> FW with NAS Jacksonville.
  - USCG with Miami CG.
- Communications – N/A.
- Training – Homestead ARB has linkages with a good number of the other units and bases in Florida.
  - Homestead ARB is the primary customer of the Avon Park AF Range.
  - Fighters from Homestead receive Air Refueling support from the tankers at MacDill AFB.
  - Homestead fighter crews train with fighters from Navy Key West at Range - Dry Tortugas – MOA.

- Operations
  - The USCG Marine Safety and Security Team – works hand in hand with the USCG in Miami.
  - Detachment 1 of the 25<sup>th</sup> FW is under operational control of the 25<sup>th</sup> FW at NAS Jacksonville.
  - The Customs and Border Patrol unit works for the Miami CBP unit.
- Administrative Support
  - Detachment 1 of the 25<sup>th</sup> FW receives support, manpower, equipment from the 25<sup>th</sup> FW stationed at Jacksonville.
  - Customs and Border Protection is the Air Branch for the Miami CBP; Miami provides admin support.
- Research and Development – N/A.
- Logistics – N/A.
- Health Care
  - SOUTHCOM provides healthcare for the military members at Homestead ARB.

**MAJCOM (External to Florida) Linkages:**

1. MAJCOM's that use Homestead ARB include AFRC, AFSOC, ACC, ANG.
2. The USCG Marine Safety and Security Team –also connected with the USCG HQ at Portsmouth, Virginia.
3. Customs and Border Protection – HLS HQ via Miami.
4. The ramp has been used for contingency operations in recent years, including major support for USAID during the Haiti earthquake . Homestead's location makes it a good departure point for operations to Central and South America, as well as the Caribbean.

# Team Orlando / National Simulation Center



## Installation Description

Team Orlando (TO) is established by a Department of Defense inter-service charter that builds upon a partnership established between the Army and Navy over 60 years ago. Today, Team Orlando members from government, academia, and industry are focused on the common goal of improving human performance through simulation.

The components of Team Orlando are the primary military Service organizations responsible for research, development, acquisition, and life cycle support for military training, simulation, and test and evaluation/instrumentation products and services. Also, modeling and simulations, human performance, and training leaders in academia and industry, as well as Federal, State and local government organizations participate.

NCS is a non-profit trade association whose vision is to be the recognized leader in supporting and expanding the modeling and simulation community. NCS is committed to promoting modeling and simulation technology expansion, supporting education and workforce development, and providing business development support to its members

## Major Tenants:

The following service commands are collocated in the Central Florida Research Park adjacent to the University of Central Florida:

- Army:  
PEO STRI; U.S. Army Program Executive Office for Simulation, Training and Instrumentation  
Army Research Laboratory's Human Research and Engineering Directorate:  
STTC; Simulation and Training Technology Center
- Navy:  
NSA Orlando; Naval Support Activity, Orlando, NSA Orlando serves as the "Base Commander" for above Tennant Commands  
NAWCTSD; Naval Air Warfare Center, Training Systems Division
- Air Force:  
AFAMS; Air Force Agency for Modeling and Simulation
- Marines:  
PM TRASYS; Project Manager Training System
- Joint Staff, Dep J7, Joint Warfighting Center, Team Orlando fwd element
- The Federal Law Enforcement Training Center (FLETC)
- Joint Training Integration and Evaluation Center

**Important liaison organizations:**

Advanced Distributed learning Initiative  
 The National Center for Simulation (NC  
 IST at UCF  
 Veterans Health Administration - SimLEARN  
 Medical Research and Material Command (MRMC)  
 Office of Naval Research (ONR)  
 Defense Advanced Research Project Agency (DARPA) Defense Modeling and  
 Simulation Office (DMSO)  
 U.S. Army Research Institute for the Behavioral and Social Sciences

**MAJCOM Affiliations of significance:**

US Army RDECOM  
 US Army Forces Command  
 US Army Training and Doctrine Command  
 US Army Special Operations Command  
 US Air Force Air Combat Command  
 Joint and Coalition Warfighting Center in Hampton Roads  
 Naval Service Training Command (NSTC)

**In-state installation/ mission linkages**

## **Command and Control:**

Link: To NS Jacksonville

Description: NSA Orlando reports to NRSE and NAWCTSD buildings inside the Team Orlando footprint serve as a COOP site for Jacksonville NS.

## **Training and Simulation and Ranges:**

1. Link: TO to Camp Blanding Joint Training Center (CBJTC)

Description: Camp Blanding Joint Training Center (CBJTC) near Starke is the National Guard's premier training site in Florida. It utilizes many TO supported LVC training systems. Camp Blanding installed two Warrior Skills Trainers, which use a virtual world simulation. Along with the two above systems was an upgrade to the Engagement Skills Trainer to the EST 2000, Humvee egress assistance trainer, and the MRAP egress trainer.

2. Link: TO to Jacksonville Naval Air Station

Description: Flight crew and mission specialists assigned to the Naval Air Station Jacksonville P-8A Integrated Training Center conduct training supported by NAWCTSD through simulated exercises and full motion simulation.

3. Link: TO to Hurlburt Field

Description: Under the Live Tactical Training (LT2) program, developed and managed from TO, PEOSTRI and PMTRASYS, joined together to ensure optimal leveraging between their service needs.

4. Link: TO to Pensacola Naval Air Station.

Description: The Mission Command Training Program (MCTP) under PEO STRI field ops division currently supports intelligence training and training support for the US Navy at Pensacola Naval Station.

5. Link: TO to Central Command /SOCOM/Southern Command

Description: Joint training exercises are run and supported by exercise drivers and systems created and supported from Team Orlando and the military service facilities in Research Park.

6. Link : TO to Naval Station Mayport

Description: The NAWCTSD supports a variety of specialized surface warfare training requirements. An example is the specialized firefighting training.

7. Link: TO to Naval Station Key West

Description: Offshore aviation training ranges are developed and supported by NAWCTSD/TO. Additionally, there is a link with simulation where the DHS and Law Enforcement agencies leverage the developments from TO.

8. Link: TO to Eglin, MacDill & Homestead

Description: The USAF contingent to AFAMS is a policy development arm that supports the Live Virtual Constructive training regimes at these bases.

9. Link: TO to NSA Panama City

Description: TO NAWCTSD develops and supports mine warfare-training, dive and salvage training and naval EOD training with curriculum and simulator support. Additionally, training for the Littoral Combat Ship is supported heavily from NAWCTSD /TO.

### **Administrative Support:**

Link: TO to all Florida DoD installations

Description: TO's military service elements provide significant contract and contract management support to all DoD facilities in Florida.

### **Research and Development:**

Link: TO assists CENTCOM/SOCOM/SOUTHCOM for cyber support.

Description: TO's STTC and NAWCTSD provide cyber training and R&D support to the commands.

### **Health Care**

Link: TO to Orlando VA Medical Center

Description: The center, to be located on the campus of the new Orlando VA Medical Center in the Lake Nona "Medical City" area, will serve as the operational hub for coordination of all national VA simulation-based clinical training activities. TO is planning now for full support to the future facility.

### **External linkages OUTSIDE of Florida:**

1. Link: TO to US Navy Recruit Training Command

Description: The Navy's Battle Stations 21, is an innovative ¾ scale simulator of an Arleigh Burke Class ship. It was designed, built and is supported by the TO consortium. Every Navy recruit experiences a 12-hour training session on this one of a kind simulator.

2. Link: TO to Ft Rucker Alabama

Description: The Flight Simulator XXI simulation capability is a long-term simulation service consisting of Training Helicopter (TH-67) virtual simulators, advanced aircraft virtual simulators (UH-60A/L, UH-60M, AH-64A/D, OH-58D, CH-47D and CH-47F. FS XXI Fulfills all individual/crew and collective training requirements prescribed by the U.S. Army Aviation Center of Excellence at Fort Rucker, AL. Program managed from TO's PEO STRI.

3. Other important external Links:

TO to Air Mobility Command – For all Flight Simulators

TO to Ft Benning Ga and Camp Pendleton Ca – for all USMC and Army DS training on Dismounted Soldier program

TO to Virginia Modeling and Simulation Center in Norfolk, VA – For Live-Virtual-Constructive collaboration at large

TO to National Training and Simulation Association—For MS&T Advocacy

TO to -MS&T Congressional Caucus---For long term growth and advocacy

# U.S. Coast Guard Florida Linkages



## List of USCG Installations

### USCG Seventh District Units

- Sector Key West
- Sector Miami
- Sector Jacksonville
- Sector St. Petersburg

### FL CG Air Stations

- Air station Clearwater
- Air Station Miami

### FL CG Stations

- Station Cortez
- Station Fort Lauderdale
- Station Fort Pierce
- Station Fort Myers Beach
- Station Islamorada



- Station Lake Worth Inlet
- Station Key West
- Station Marathon
- Station Mayport
- Station Miami Beach
- Station Ponce De Leon
- Station Port Canaveral
- Station Sand Key
- Station St. Petersburg
- Station Yankeetown

### **USCG Eighth District, Florida Units**

#### **Sector Mobile**

#### **FL CG Stations**

#### **USCG 8<sup>th</sup> District CG Stations in FL**

- Station Destin
- Station Panama City, FL
- Station Pensacola

## **USCG Sector Key West/Station Key West**

### **Installation Description:**

**Sector Key West** is a unified command consisting of two patrol boats, eight dual crews, three [geographically separated] small boat stations, an “Aids to Navigation Team” and three staff departments. The Sector Commander performs the duties of Search and Rescue, Mission Coordinator, Captain of the Port, Federal Maritime Security Coordinator, Federal On-Scene Coordinator and Officer in Charge, Marine Inspections. “Sector Key West has a unique area of responsibility; 55,000 square miles that borders the territorial seas of Cuba and the Bahamas.”

**Coast Guard Station Key West** is a “multi-mission unit with many responsibilities and assets assigned to cover approximately 2500 square miles in the lower Florida Keys and surrounding waters.”

### **Major Tenants/Reporting USCG Stations (Three USCGSs):**

Station Key West, Station Islamorada, and Station Marathon

**MAJCOM Affiliation(s):** Reports to 7<sup>th</sup> USCG District, Miami, FL

### **In-State Installation/Mission Linkages:**

- Command and Control (Reports to 7<sup>th</sup> USCG District, Provides C&C direction to three noted USCG Stations)
- Communications: N/A
- Training (Provides C&C direction/support to three noted USCG Stations)
- Operations (Provides C&C direction and support to three noted USCG Stations)
- Administrative Support (Provides C&C direction/support to three noted USCG Stations)
- Research and Development: N/A
- Logistics: N/A
- Health Care: N/A

## **7<sup>th</sup> USCG District/"Base Miami Beach"/Sector Miami/Station Miami Beach**

### **Installation Description:**

(Note- Includes several Miami area USCG units. **Base Miami Beach** personnel are co-located with our operational partners throughout the District 7 AOR with departments and command staff located in Miami-Dade County.

Air Station Miami is not included in this data sheet (not considered a Sector Miami unit). It is described on separate data sheet)

**7<sup>th</sup> USCG District** is responsible for all Coast Guard operations in the Southeast United States and the Caribbean Basin including Florida, Georgia, South Carolina, Puerto Rico and the U.S. Virgin Islands. The Seventh District encompasses an area of 1.8 million square miles and shares operational borders with 34 Foreign Nations and Territories.

**Sector Miami** is responsible for missions noted herein and four USCG Station reporting units indicated below. The Sector Commander performs the duties of Maritime Safety (Search and Rescue, Commercial Vessel Safety, Foreign Vessel Inspections, Recreational Boating Safety), Maritime Mobility (Aids to Navigation, Bridge Administration), Homeland and Maritime Security (Port and Waterways Security, Drug Interdiction, Alien Migrant Interdiction, Exclusive Economic Zone / Territorial Seas Enforcement), Protection of Natural Resources (Marine Pollution Education, Prevention, Response, and Enforcement, Living Marine Resources Protection), and National Defense.

**Coast Guard Station Miami Beach** is a multi-mission station co-located with Base Support Unit Miami and Sector Miami. "Station Miami Beach keeps a vigilant watch on Biscayne Bay, all points between Baker's Haulover Inlet and Caesars Creek, and out 30 miles into the Atlantic Ocean."

### **Major Tenants/Reporting USCG Stations (Four USCGSs):**

(Tenant Unit: Base Support Unit Miami)  
Station Miami Beach, Station Fort Lauderdale, Station Fort Pierce, and Station Lake Worth Inlet

Also located within the "**USCG Base Miami Beach**" area is **the USCG Reserve Unit (CGRU) SOUTHCOM** (A USCG Atlantic Area direct report unit) which provides Commander, **USSOUTHCOM** a ready-reserve force of deployable USCG expertise, prepared and equipped to conduct intelligence, operations, planning, and other specialized duties in garrison and throughout the Americas in support of U.S. diplomatic, defense, and homeland security goals.

CGRU personnel work in close cooperation with SOUTHCOM Directorates and the Coast Guard Liaison Officer in support of SOUTHCOM's requirements.

**MAJCOM Affiliation(s):** Sector Miami Reports to 7<sup>th</sup> USCG District, Miami, FL who reports to **USCG Atlantic Area, Portsmouth, VA.**

**In-State Installation/Mission Linkages:**

- Command and Control (Sector Miami reports to 7<sup>th</sup> USCG District and Provides C&C direction to four noted USCG Stations)
- Communications N/A
- Training (Sector Miami provides C&C direction/support to four noted USCG Stations)
  - Ranges
  - Waterways
  - Facilities
  - 7<sup>th</sup> USCG District and CGRU SOUTHCOM coordinate mutual training activities with U.S. Southern Command in Miami.
- Operations (Sector Miami provides C&C direction and support to four noted USCG Stations)
- Administrative Support (Sector Miami provides C&C direction/support to four noted USCG Stations)
- Research and Development: N/A
- Logistics (Sector Miami provides C&C direction/support to four noted USCG Stations)
- Health Care: N/A

**MAJCOM (External to Florida) Linkages:**

(7th USCG District Reports to USCG Atlantic Area, Portsmouth, VA.)

- Command and Control
  - The USCG Reserve Unit (CGRU) SOUTHCOM reports to USCG Atlantic Area, Portsmouth, VA.

## USCG Sector Jacksonville/Station Mayport

### Installation Description:

**Sector Jacksonville:** “The mission of Sector Jacksonville is to provide unified command and control for accomplishing Coast Guard mission objectives. Sectors provide strategically guided, goal focused, and high performance service delivery across the full range of Coast Guard missions. Sector Jacksonville’s Area of Responsibility (AOR) encompasses 40,000 square miles of ocean and inland waterways. Within the Sector’s AOR are 190 miles of coastline stretching from King’s Bay, GA to Port Malabar, FL. Along this coastline are 10 inlets, most of which provide safe passage to inland waterways. Inland waters within the AOR include 248 miles of the Intracoastal Waterway (ICW), 161 miles of the St. John’s River, and numerous rivers, creeks, and marshes.”

**Coast Guard Station Mayport** missions include Search and Rescue, Law Enforcement, and Homeland Security.

### Major Tenants/Reporting USCG Stations (Three USCGSs):

Tenant Unit: Maritime Transportation Recovery Unit  
Station Mayport, Station Ponce De Leon, and Station Port Canaveral

### MAJCOM Affiliation(s): Sector Jacksonville reports to 7<sup>th</sup> USCG District, Miami, FL In-State Installation/Mission Linkages:

- Command and Control (Sector Jacksonville reports to 7<sup>th</sup> USCG District, Provides C&C direction to three noted USCG Stations)
- Communications: N/A
- Training (Provides direction/support to three noted USCG Stations)
  - Ranges
  - Waterways
  - Facilities
- Operations (Provides direction and support to three noted USCG Stations)
- Administrative Support (Provides direction/support to three noted USCG Stations)
- Research and Development: N/A
- Logistics: N/A

- Health Care: N/A

13. **MAJCOM (External to Florida) Linkages:** N/A

## **USCG Sector St. Petersburg/Station St. Petersburg**

### **Installation Description:**

**Sector St. Petersburg** “ has become one of the Coast Guard's largest commands, with its area of responsibility encompassing 400 plus nautical miles of coastline along Florida's west coast and the third largest U.S. port for domestic trade. In terms of total trade volume, including both domestic and foreign, the Port of Tampa ranks 12th nationally. The Sector's five multi-mission [geographically separated] small boat stations, six patrol boats, two aids to navigation cutters, and one aids to navigation team have responsibility for four primary operational missions: Search and Rescue; Marine Safety; Maritime Law Enforcement; and Ports, Waterways Management, and Coastal Security, and Living Marine Resources.”

**Coast Guard Station St. Petersburg** Missions include Search and Rescue, Law Enforcement, and Homeland Security. Station serves as the host USCG unit.

### **Major Tenants/Reporting USCG Stations (Six USCGSs):**

Tenant Unit: Maritime Transportation Recovery Unit

Station St. Petersburg , Station Cortez, Station Fort Myers Beach, Station Ponce De Leon, Station Port Canaveral, and Station Yankeetown

**MAJCOM Affiliation(s):** Sector St. Petersburg reports to **7<sup>th</sup> USCG District, Miami, FL**

### **In-State Installation/Mission Linkages:**

- Command and Control (Sector St. Petersburg reports to 7<sup>th</sup> USCG District, Provides C&C direction to five noted USCG Stations)
- Communications: N/A
- Training (Provides direction/support to six noted USCG Stations)
  - Ranges
  - Waterways
  - Facilities
- Operations (Provides direction and support to six noted USCG Stations)
- Administrative Support (Provides direction/support to six noted USCG Stations)
- Research and Development: N/A
- Logistics (Provides C&C direction/support to six noted USCG Stations)

- Health Care: N/A

**MAJCOM (External to Florida) Linkages N/A**



**Installation Name: USCG Sector Mobile, AL/FL USCG Stations (USCGSs)  
Pensacola, Destin, and Panama City**

**Installation Description:**

Sector Mobile is an 8<sup>th</sup> USCG District (New Orleans, LA) USCG organization, who is responsible for the noted three NW Florida USCG Stations:

**US Coast Guard Station Pensacola** (“... a medium-sized Search and Rescue Station in the US Coast Guard's 8th District, Sector Mobile. The station is home to several small boat units as well as Aids to Navigation Team Pensacola and the cutter USCGC Bonito....”)

**US Coast Guard Station Destin** (“... missions include Search and Rescue and a wide range of law enforcement activities including Recreational and Commercial Boating Safety, Fisheries, Marine Environmental Protection, Ports/Waterways/Coastal Security and Drug Interdiction. The units area of responsibility extends 50 miles off-shore into the Gulf of Mexico bordered by Inlet Beach (086 OW) to the east and Navarre Bridge (086 58W) to the west. Inland the unit covers the Choctawhatchee Bay, all bayous, and the Intracoastal Waterway. The unit is equipped with a 45 ft response boat medium (RBM) a 25-foot Defender Class small response boat (RBSs) and a 24 ft shallow water response boat.”)

and, **US Coast Guard Station Panama City** (“The Station has two 45-foot RBM's and one 29-foot RBS II boats to carry out our Search and Rescue, Law Enforcement, and Environmental Protection missions. The Station's area of responsibility extends 30 miles offshore and stretches 168 miles of coastline from Lake Powell in the west, to Rock Island in the east. This large area also incorporates the vigilant watch over 40 bayous, 18 rivers, 16 bays, 3 sounds, 2 lakes and 107.5 statute miles of Intra-coastal Waterway.”)

**Major Tenants/Reporting USCG Stations (three):**

Pensacola, FL; Destin, FL and Panama City, FL

**MAJCOM Affiliation(s):** Sector Mobile, AL reports to 8<sup>th</sup> USCG District, New Orleans, AL

**In-State Installation/Mission Linkages: (N/A):**

- Command and Control: Pensacola, FL; Destin, FL and Panama City, FL CGSs report to USCG Sector Mobile

**MAJCOM (External to Florida) Linkages:**

Florida based USCG Stations Pensacola, Destin, and Panama City report to Sector Mobile, AL, who in-turn reports to the 8<sup>th</sup> USCG District, New Orleans, LA.

## **Installation Name: USCG Air Station Clearwater**

**Installation Description:** “Air Station Clearwater is located on the NW side of the St Petersburg - Clearwater Int'l Airport... the largest air station in the Coast Guard and support a variety of missions with both C-130 and H-60 aircraft. ”  
“...Area of Operations includes the Gulf of Mexico, the Caribbean basin, and the Bahamas... constantly maintain[s] deployed H-60s for Operations Bahamas, Turks and Caicos (OPBAT), a joint DEA, Coast Guard, Bahamian Turks and Caicos anti-drug and migrant smuggling operation in the Bahamas...C-130s deployed in support of JIATF operations in the Caribbean... done while simultaneously maintaining a constant Bravo Zero Search and Rescue response at home in Florida.”

**Major Tenants:** N/A

**MAJCOM Affiliation(s):** 7<sup>th</sup> USCG District, Miami, FL.

Additionally, **The Aviation Logistics Center (ALC), Elizabeth City, NC**, “is the hub for the Coast Guard aviation support, which includes the missions of aviation depot level maintenance, structural engineering, spare parts warehousing, and information service needs...ALC manages the shipment, component repair, and warehousing of all aviation spare parts. ...The Aviation Logistics Center serves as the central warehouse for a \$1.2 billion spare parts inventory...ALC created the Asset Logistics Management Information System (ALMIS) an integrated computer-based system. ALMIS provides tracking of maintenance, flight time, training and allows for real time informed data-based decision making.”

### **In-State Installation/Mission Linkages:**

- Command and Control Direct Command and Control through 7<sup>th</sup> USCG District, Miami, FL. Operational Coordination as needed through as a minimum Sectors St. Petersburg, Jacksonville, Miami, and Key West.
- Communications: N/A
- Training: N/A
- Operations: Support operations for Sectors Miami. St Petersburg, Key West, and Jacksonville
- Administrative Support Station’s exchange and housing office “service hundreds of Coast Guard personnel assigned to units in the greater Tampa Bay Area.”
- Research and Development: N/A
- Logistics: N/A
- Health Care Station’s medical clinic “service hundreds of Coast Guard personnel assigned to units in the greater Tampa Bay Area.

- **MAJCOM (External to Florida) Linkages:**

(See details in “MAJCOM Affiliations”) **The Aviation Logistics Center (ALC), Elizabeth City, NC**, is the hub for the Coast Guard aviation support, which includes the missions of aviation depot level maintenance, structural engineering, spare parts warehousing, and information service needs.

## USCG Air Station Miami

**Installation Description:** located 11 miles north of downtown Miami, at Opa-locka Executive Airport in Opa-locka, Florida. The station operates the HU-25D Guardian and HC-144 Ocean Sentry maritime patrol aircraft and the MH-65C Dolphin helicopter.

### Major Tenants:

**USCG Tactical Law Enforcement Team, South (TACLET South) (located with USCG Air Station Miami at Opa-locka Airport), works with the US Navy as the law enforcement arm, when needed.**

An April 2013 Defense Media Network release noted “Public Law 99-570 was established in 1986, authorizing the service to establish billets for active-duty Coast Guard personnel to conduct counterdrug interdiction operations aboard U.S. Navy surface ships. This is all made possible because the *Posse Comitatus* Act passed by Congress in 1878 strictly forbids Department of Defense personnel from engaging in law enforcement activities. According to a June 2014 USN Public release “In 2012, TACLET South achieved the first-ever, night-time airborne use of force interdiction from a U.S. Navy aircraft, eliminating a tactical gap in operational capabilities.”

TACLET South reports directly to USCG Atlantic Area Headquarters in Portsmouth, VA.

### MAJCOM Affiliation(s): 7<sup>th</sup> USCG District, Miami, FL.

Additionally, **The Aviation Logistics Center (ALC), Elizabeth City, NC**, “is the hub for the Coast Guard aviation support, which includes the missions of aviation depot level maintenance, structural engineering, spare parts warehousing, and information service needs...ALC manages the shipment, component repair, and warehousing of all aviation spare parts. ...The Aviation Logistics Center serves as the central warehouse for a \$1.2 billion spare parts inventory...ALC created the Asset Logistics Management Information System (ALMIS) an integrated computer-based system. ALMIS provides tracking of maintenance, flight time, training and allows for real time informed data-based decision making.”

### In-State Installation/Mission Linkages:

- Command and Control Direct Command and Control through 7<sup>th</sup> USCG District, Miami, FL. Operational Coordination as needed through as a minimum Sectors St. Petersburg, Jacksonville, Miami, and Key West.
- Communications: N/A
- Training: N/A
- Operations
  - TACLET South and U.S. Navy collaborate regarding law enforcement support, when directed through appropriate chains of command.
- Administrative Support: N/A

- Research and Development: N/A
- Logistics: (See details above and in “External to Florida” linkages below.)
- Health Care
- **MAJCOM (External to Florida) Linkages** (See details in “MAJCOM Affiliations”)  
**The Aviation Logistics Center (ALC), Elizabeth City, NC**, is the hub for the Coast Guard aviation support, which includes the missions of aviation depot level maintenance, structural engineering, spare parts warehousing, and information service needs.

# Florida National Guard



## Camp Blanding Joint Training Center (CBJTC)

**Installation Description:** Camp Blanding Joint Training Center is a state-owned, 72,000 acre military installation that is the primary training site for the Florida National Guard as well as inter service and interagency partners. CBJTC has facilities to train from individual skills level up to and including brigade sized Joint combined arms live fire training. It is used by the National Guard of many states, Active Army units, 3ID, USMC units, 2<sup>nd</sup> MEF, USAR units, 87<sup>th</sup> Div, USN, Entomologists and R.O.T.C (Army, Navy and Air Force).

### Major Tenants:

1. 3<sup>rd</sup> Battalion, 20<sup>th</sup> Special Forces Group (Airborne) (FLARNG)
2. 2-111<sup>th</sup> Airfield Operations Battalion (AOB) (FLARNG)
3. 202<sup>nd</sup> Red Horse Squadron (FLANG)

4. Weather Readiness Training Center (WRTC) (FLANG)
5. 44<sup>th</sup> Joint ( Army/Air ) Civil Support Team (FLNG)
6. Regional Training Institute

#### **MAJCOM Affiliation (s):**

US Army Forces Command  
US Army Training and Doctrine Command  
US Army Special Operations Command  
US Air Force Air Combat Command

#### **In-State Installation/ Mission Linkages:**

CBJTB is linked with the interagency with PEOSTRI, USDA, CDC, US Marshall Service, FBI, ATF and US Division of Forestry. It is also linked within the state through FL Dept of Emergency Mgt, FL Dept of Law Enforcement, Univ. of FL, FL Dept of Corrections Facilities, Dept of Justice, Dept of Corrections and FL Dept of Forestry.

#### **Command and Control**

CBJTC is the alternate Command and Control site for Florida's Emergency Management Operations. In addition, it is the state continuity of government site. JOCTF (JOC training facility).

#### **Communications**

CBJTF also is home for the RERNS, Regional Emergency Response network vehicles. It is the only state currently with this system, Enhanced JISC.

**Training** CBJTC has long been recognized as a world class training site. It has and continues to improve its training opportunity offerings. In the last decade it has been instrumental in preparing AC, RC and NG units for mobilization and deployment.

**Ranges** CBJTC has added several new ranges to its impressive array of 50 existing ranges. CBJTC has individual and crew served, to include artillery ranges. They have added a 32 lane, a 16 lane and a 10 lane 25 meter zero ranges, an infantry platoon live fire battle course, a modular shoot house as well as an automated combat pistol course. The existing weapons qualification ranges have been upgraded and automated as well. CBJTC has also upgraded its combat crew range and automated its machine gun range complex. CBJTC ranges can accommodate all weapons from small arms to 50 caliber, as well as mortars, anti armor weapons and artillery.

**Airspace** Restricted airspace up to 24 thousand feet overlapping Camp Blanding Joint Training Facility.

**Waterways** Waterways on CBJTC include several lakes. Lakes Lowry, Magnolia and Kingsley provide numerous sites suitable for small boat training and limited underwater operations (Scuba) , including live fire.

**Facilities** CBJTC has excellent facilities and can easily accommodate an Army Brigade sized force. It can provide each Battalion element with air conditioned officer/enlisted housing/ barracks, dining facilities, supply and orderly rooms as well as a Battalion Headquarters building. Within its 55,000 acres of maneuver area, CBJTC has a well established Urban Operations (MOUT) site with 16 permanent buildings, a tunnel and bridge site. CBJTC also has a new fitness center, a half mile running track, new ammunition supply point, upgraded security measures, new gate guard house entrance, fiber optic line upgrades, medical clinic, and physical exam station. CBJTC has a , (C-130) capable air assault strip and a personnel and equipment drop zone within its maneuver area for training.

It has a fully accredited Air Assault training facility with obstacle course and rappel tower, and routinely conducts Air Assault schools for the US Army.

**Simulators** CBJTC has worked hard to expand its simulation offerings. They have two warrior skills trainers with the combat redi-system. This provides a virtual world experience for soldiers to employ vehicles and weapon systems and interact as a team within a larger unit. It allows for convoy training and weapons employment against a host of different scenarios. In addition, CBJTC has weapons engagement simulations to include the EST 2000. Unique opportunities exist for realistic vehicle egress training for HUMMVEE and MRAP vehicles that can be rolled over or flipped upside down.

**Operations:** CBJTC's primary mission is to be a world class training facility. Because of its geographic location, long standing interagency and inter governmental relationships, capable tenant units and robust facilities, it is also a proven, reliable platform that is frequently used for domestic interagency emergency response and recovery operations. CBJTC is critical to both the state of Florida as well as the Federal government agencies planning for regional response efforts. It is geographically well suited for all state RSOI functions.

**Administrative Support:** N/A

**Research and Development** The Center for Disease Control and the World Health Organization conduct environmental research at CBJTC. The Nature conservancy has an endangered species at CBJTF and the University of Florida conducts its lightning study programs at CBJTF. Additionally, the US Army Research and Engineering Command's Army Research Laboratory, in partnership with UCF's Modeling and Simulation Graduate Program, conducts experimentation with the Regional Training Institute (RTI), on human performance interaction within the virtual environment to enable critical thinking and problem solving.

**Logistics:** CBJTC has the infrastructure to provide all classes of supply to include ammunition, fuel, and water to sustain a steady state rate for up to 10,000 personnel.

**Health Care:** Limited to a physical examination facility and medical clinic. No hospital on site.



**External Linkages:** CBJTC is an important asset in Florida National Guard in its State Partnership initiatives with Guyana, and all seven of the Regional Security System nations in the Caribbean. CBJTC is also used for troop exchange training opportunities with UK, Germany.