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DEPARTMENT OF THE AIR FORCE
WASHINGTON, DC 20330-1000

DCN: 6196



OFFICE OF THE ASSISTANT SECRETARY

APR 28 2004

MEMORANDUM FOR RECORD

SUBJECT: Minutes of Air Force Base Closure Executive Group (AF/BCEG) Meeting, 27 Apr 04

Maj Gen Heckman and Mr Aimone called the meeting to order upon achieving a quorum at 0915, the Pentagon, Room 5C279. Attendance is at Atch 1. The meeting was categorized as non-deliberative.

[redacted] briefed the initial capacity analysis for four PACAF bases. Madaus briefed the costs for adding two additional squadrons for Andersen AFB, (Slides 6-11), Eielson AFB (Slides 12-19), Elmendorf AFB (Slides 20-27), and Hickam AFB (Slides 28-34). He also discussed the area cost factor as impacted by unique weather conditions and environmental factors at each base.

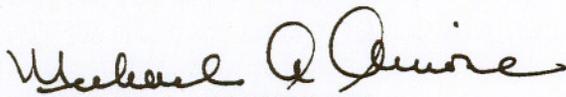
The meeting was adjourned at 1005 and re-called to order at 1300.

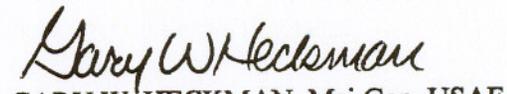
[redacted], briefed the initial capacity analysis for twelve AMC bases. They briefed Andrews AFB (Slides 7-10), Charleston AFB (Slides 11-13), Dover AFB (Slides 14-16), Pope AFB (Slides 17-20), Fairchild AFB (Slides 21-25), Grand Forks AFB (Slides 26-29), MacDill AFB (Slides 30-34), McChord AFB (Slides 35-38), McConnell AFB (Slides 39-43), McGuire AFB (Slides 44-48), Scott AFB (Slides 49-53), and Travis AFB (Slides 54-58). They discussed land availability issues at Andrews, Charleston, Dover, and Pope AFB, and air quality issues at Dover and McGuire AFB. They also briefed cost estimates for the addition of alternate beddowns and will provide the alternate cost analysis separately. Finally, they discussed housing capacity considerations associated with the beddowns.

The next BCEG meeting was scheduled for 28 April at 0900 in Pentagon Room 5C279. Whereupon the meeting concluded at 1425.

BCEG Recorder

The minutes above are approved.


MICHAEL A. AIMONE, P.E.
SAF/IEB
Co-Chairman


GARY W. HECKMAN, Maj Gen, USAF
AF/XP
Co-Chairman

Attachments:
As Stated

Base Closure Executive Group Attendance

Date: 27 Apr 04

Chairs

- Mr. Mike Aimone
- Maj Gen Gary Heckman

**Voting members are underlined

Primary Members

Alternate Members

Representatives

- | | | |
|---|---|---|
| <input type="checkbox"/> <u>Brig Gen Dave Brubaker</u> | <input checked="" type="checkbox"/> <u>Brig Gen Tony Haynes</u> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> <u>Brig Gen Rajczak</u> | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> <u>Brig Gen Michael Lynch</u> | <input checked="" type="checkbox"/> <u>Mr. Fred Pease</u> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> <u>Mr. Fred Kuhn</u> | <input checked="" type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> <u>Ms. Cathy Sparks</u> | <input checked="" type="checkbox"/> <u>Ms. Kathy Ferguson</u> | <input checked="" type="checkbox"/> _____ |
| <input type="checkbox"/> Mr. Tim Beyland | <input checked="" type="checkbox"/> _____ | <input type="checkbox"/> |
| <input type="checkbox"/> Ms. Gina Guy | <input type="checkbox"/> _____ | <input checked="" type="checkbox"/> _____ |
| <input checked="" type="checkbox"/> Mr. Jay Jordan | <input type="checkbox"/> _____ | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Mr. William Kelly | <input type="checkbox"/> Brig Gen William Ard | <input type="checkbox"/> |
| <input type="checkbox"/> Ms. Maureen Koetz | <input checked="" type="checkbox"/> _____ | <input type="checkbox"/> |

Others

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

900-1100
AM

PARAF

ACC

AFAA

1300-1500
PM

AMC

AETC

AFRC



HQ AIR MOBILITY COMMAND

Initial Capacity Analysis



U.S. AIR FORCE

27 Apr 04

HQ AMC, 27 APR 04

Integrity - Service - Excellence



AMC CONSIDERATIONS

- “Snap Shot” Does Not Reflect Force Structure Vision
 - Must Retain Capacity For Future Follow-On Missions
- AMC Change to Construction Planning Guidance:
 - Generic-Sized Hangar/Parking Spot for Large Aircraft
 - KC-10 Length, KC-10 Tail Height, C-17 Wing Span
 - Provides Flexibility in Managing Fleet
 - Tanker Ramp Parking Space Requirement Reduced From 100% to 75%

HQ AMC, 27 APR 04

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2



HANGAR & PARKING FORMULA

- Hangar Requirement:
 - PAA x Hangar Factor (i.e., KC-135 = .15)
- Ramp Parking Requirement:
 - (PAA - Required Hangar Spaces) x .75
- Total Parking Requirement:
 - Required Hangar Spaces + Required Apron Spaces
- Excess Parking:
 - Available Spaces* – Required Spaces
- Excludes Tenant and Transient Ramp, Cargo Loading and Unusable Spaces

* Per Base Parking Plan



STOPLIGHT CHART

BASE	AIR QUALITY	AIR SPACE	LAND AVAILABLE	ENVIRONMENT	TNG
ANDREWS AFB MD	●	●	●	●	●
CHARLESTON AFB SC	●	●	●	●	●
DOVER AFB DE	●	●	●	●	●
POPE AFB NC	●	●	●	●	●
FAIRCHILD AFB WA	●	●	●	●	●
GRAND FORKS AFB ND	●	●	●	●	●



STOPLIGHT CHART

BASE	AIR QUALITY	AIR SPACE	LAND AVAILABLE	ENVIRONMENT	TNG
MAC DILL AFB FL	●	●	●	●	●
MCCHORD AFB WA	●	●	●	●	●
MCCONNELL AFB KS	●	●	●	●	●
MCGUIRE AFB NJ	●	●	●	●	●
SCOTT AFB IL	●	●	●	●	●
TRAVIS AFB CA	●	●	●	●	●



ANDREWS OVERVIEW

Assigned Weapon System Type(s) (MDS)	VC-25A	SAM	UH-1
Total PAA	2	17	15
# Flying Squadrons	1	2	1
Total Available Aircraft Parking Spaces	2	17	18
Unused Aircraft Parking Spaces	0	0	0

Template Used	N/A
Standard PAA Per Squadron	N/A



ANDREWS OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
Naval Air Station/Marines	EA-6B (4); C-130 (4); C-20 (4); C-37 (1); FA-18 (14)	27	31
113 FG (ANG Fighter)	F-16	15	15
459 ARW (AFRC Tanker)	KC-135	8	12
Civil Air Patrol	C-182	2	2
Maryland State Police	M365 Helo	1	1
457 AS (AMC OSA)	C-21	8	8
201 AS (ANG DV Support)	C-40 C-38A	3 2	3 2
Dept of Energy	Bell 412 Helo	1	1
DIA	C-12	2	2
AF Flight Standards Agency	C-21	2	2
Army Priority Air Transport (DV Spt)	C-37A (2); C-20 (1); UC-35B (3)	6	6

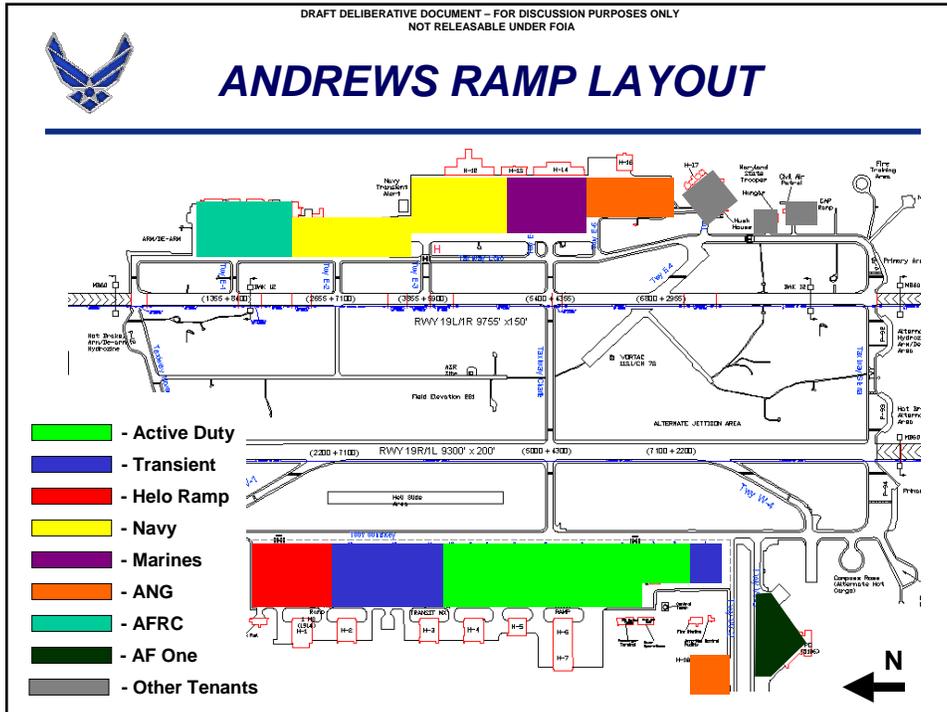
HQ AMC, 27 APR 04

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7



ANDREWS RAMP LAYOUT





ANDREWS SUMMARY

Template Used	N/A
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	RED
♦ Environment	GREEN
♦ Training	GREEN
Add One Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Add Second Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Total Cost for Two Squadrons	N/A



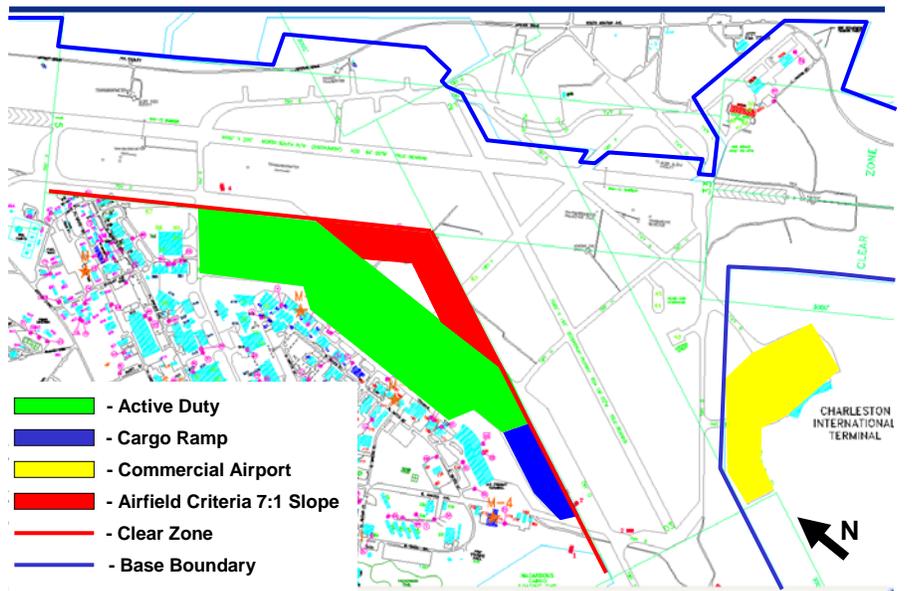
CHARLESTON OVERVIEW

Assigned Weapon System Type(s) (MDS)	C-17
Total PAA	46
# Flying Squadrons	4
Total Available Aircraft Parking Spaces	40
Unused Aircraft Parking Spaces	0

Template Used	C-17
Standard PAA Per Squadron	12
Pre-Draw Down PAA	48



CHARLESTON RAMP LAYOUT



CHARLESTON SUMMARY

Template Used	C-17
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	RED
♦ Environment	GREEN
♦ Training	GREEN
Plus Up Cost (2 Aircraft)	0.0
Add One Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Add Second Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Total Cost for Two Squadrons	N/A



DOVER OVERVIEW

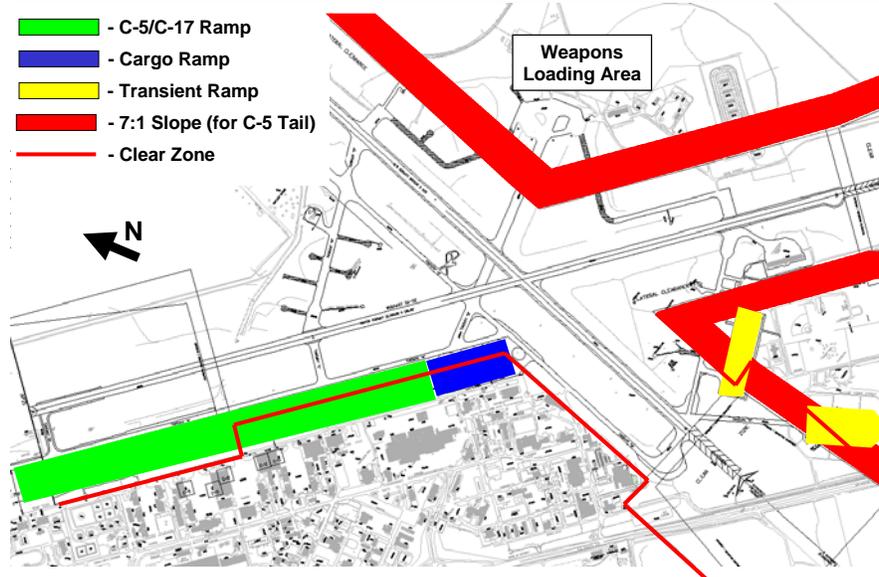
Assigned Weapon System Type(s) (MDS)	C-5	C-17
Total PAA	16	12
# Flying Squadrons	1	1
Total Available Aircraft Parking Spaces	21	10
Unused Aircraft Parking Spaces	8	0

Template Used	C-5
Standard PAA Per Squadron	16



DOVER RAMP LAYOUT

-  - C-5/C-17 Ramp
-  - Cargo Ramp
-  - Transient Ramp
-  - 7:1 Slope (for C-5 Tail)
-  - Clear Zone





DOVER SUMMARY

Template Used	C-5
Showstoppers	
♦ Air Quality	RED
♦ Air Space	GREEN
♦ Available On-Base Land	RED
♦ Environment	GREEN
♦ Training	GREEN
Add One Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Add Second Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Total Cost for Two Squadrons	N/A



POPE OVERVIEW

Assigned Weapon System Type(s) (MDS)	C-130J
Total PAA	28
# Flying Squadrons	2
Total Available Aircraft Parking Spaces	30
Unused Aircraft Parking Spaces	8

Template Used	C-130J
Standard PAA Per Squadron	14

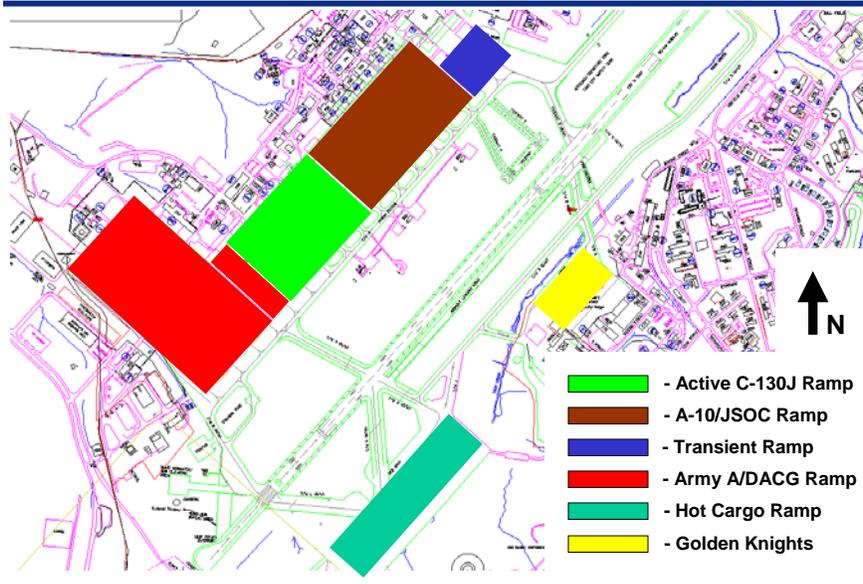


POPE OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
ACC Fighter Unit	A-10	36	56
Army Golden Knights	C-31	2	2
	UV-18	2	2
	UV-20	1	1
Various Other Units	C-208	2	6
	PC-6	1	
	CN-235	1	
	DHC-6	1	
	T-34	1	



POPE RAMP LAYOUT





POPE SUMMARY

Template Used	C-130J
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	RED
♦ Environment	GREEN
♦ Training	GREEN
Add One Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Add Second Squadron	N/A
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	
Total Cost for Two Squadrons	N/A



FAIRCHILD OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-135
Total PAA	30
# Flying Squadrons	2
Total Available Aircraft Parking Spaces	71
Unused Aircraft Parking Spaces	47

Template Used	KC-135
Standard PAA Per Squadron	12
Pre-Draw Down PAA	48

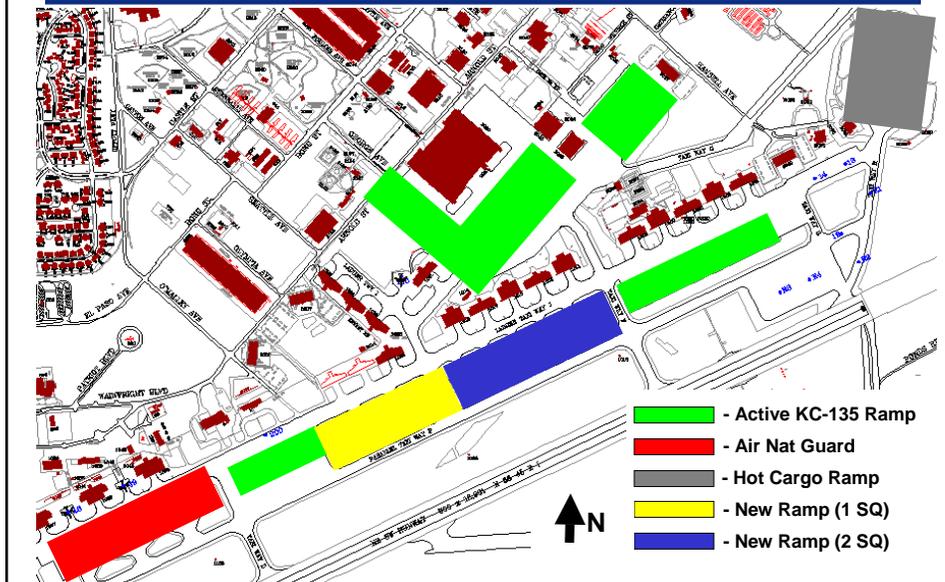


FAIRCHILD OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
ANG Tanker Unit	KC-135	8	8
	C-26	1	1
AETC Rescue Flight	UH-1N	3	3



FAIRCHILD RAMP LAYOUT





FAIRCHILD ESTIMATED COSTS PER SQUADRON

Major Construction	SQ 1 (60 PAA)	SQ 2 (72 PAA)
Repair Mx Hangars (3/2)	4.5	3.1
Fuel Cell		12.1
Ramp Expansion	12.7	12.7
Refueling Hydrant Pits (9/10)	11.9	13.3
JP-8 Bulk Storage		10.9
Mx Training Facility		3.0
Refueler Mx/Parking	0.2	3.2
Dormitory (108 Rooms)		11.0
Squad Ops/AMU	14.8	14.8
Planning/Design	5.2	9.5
Subtotal	49.3	93.6
Minor Construction		
Environmental Studies/Permits	0.4	
Comm/Utility Infrastructure	4.7	6.0
Road Restoration	0.5	0.5
Demo	2.4	4.2
Subtotal	8.0	10.7
Other Procurement	0.0	0.0
TOTAL	57.3	104.3



FAIRCHILD SUMMARY

Template Used	KC-135
Showstoppers	
◆ Air Quality	GREEN
◆ Air Space	GREEN
◆ Available On-Base Land	GREEN
◆ Environment	GREEN
◆ Training	GREEN
Plus Up Cost (18 Aircraft)	0.0
Add One Squadron	
Major Construction	49.3
Minor Construction	8.0
Other Procurement	0.0
Subtotal	57.3
Add Second Squadron	
Major Construction	93.6
Minor Construction	10.7
Other Procurement	0.0
Subtotal	104.3
Total Cost for Two Squadrons	161.6



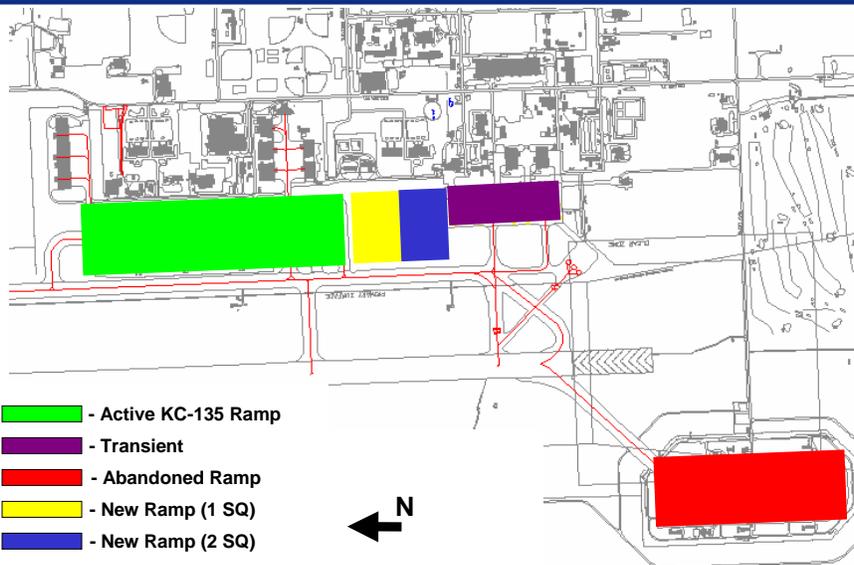
GRAND FORKS OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-135
Total PAA	36
# Flying Squadrons	4
Total Available Aircraft Parking Spaces	40
Unused Aircraft Parking Spaces	11

Template Used	KC-135
Standard PAA Per Squadron	12
Pre-Draw Down PAA	48



GRAND FORKS RAMP LAYOUT





GRAND FORKS ESTIMATED COSTS PER SQUADRON

Major Construction	SQ 1 (60 PAA)	SQ 2 (72 PAA)
Mx Hangar (0/2)		58.2
Fuel Cell (1/0)	19.0	
Corrosion Control (0/1)		24.7
Ramp Expansion	16.1	13.5
Refueling Hydrant Pits (8/8)	7.4	7.4
Mx Training Facility		7.1
Refueler Mx/Parking	1.3	0.5
AGE	3.6	2.7
Squad Ops/AMU	13.8	13.7
Planning/Design	6.5	13.3
Subtotal	67.7	141.1
Minor Construction		
Environmental Studies/Permits	0.4	
Comm/Utility Infrastructure	3.2	4.4
Road Restoration	0.5	0.5
Subtotal	4.1	4.9
Other Procurement	0.0	0.0
TOTAL	71.8	146.0



GRAND FORKS SUMMARY

Template Used	KC-135
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	GREEN
♦ Environment	GREEN
♦ Training	GREEN
Plus Up Cost (12 Aircraft)	0.0
Add One Squadron	
Major Construction	67.7
Minor Construction	4.1
Other Procurement	0.0
Subtotal	71.8
Add Second Squadron	
Major Construction	141.1
Minor Construction	4.9
Other Procurement	0.0
Subtotal	146.0
Total Cost for Two Squadrons	217.8



MACDILL OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-135	C-37
Total PAA	12	3
# Flying Squadrons	1	1
Total Available Aircraft Parking Spaces	36	3
Unused Aircraft Parking Spaces	28	0

Template Used	KC-135
Standard PAA Per Squadron	12

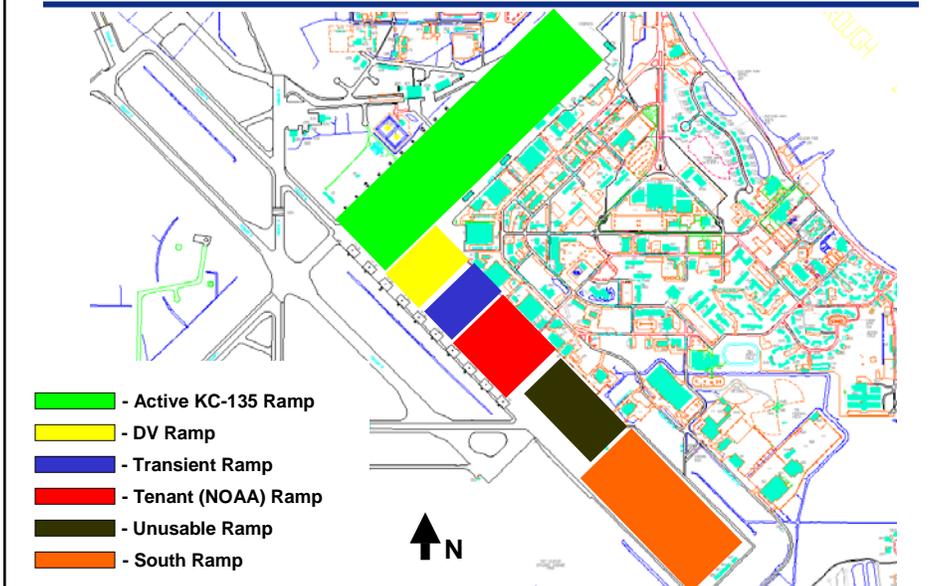


MACDILL OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
NOAA	Various	13	13
18th Air Support Operations Group (ACC)	Cessna-172	1	1



MACDILL RAMP LAYOUT



MACDILL ESTIMATED COST PER SQUADRON

Major Construction	SQ 1 (24 PAA)	SQ 2 (36 PAA)
Mx Hangar (0/1)		27.3
Fuel Cell (0/1)		10.4
Convert Washrack to Mx Hangar	2.6	
Corrosion Control (1/0)	24.0	
Ramp Repair	2.3	
JP-8 Bulk Storage	11.1	11.1
Refueling Hydrant Pits (3/8)	2.6	7.0
Maintenance Training Facility	2.7	
Refueler Mx/Parking	1.2	0.6
Supply		1.3
AGE	6.3	4.4
Squad Ops/AMU	12.9	12.9
Planning/Design	7.0	7.9
Subtotal	72.7	82.9
Minor Construction		
Environmental Studies/Permits	0.4	
Comm/Utility Infrastructure	4.9	4.8
Flood Control	0.8	0.8
Road Restoration	0.5	0.5
Subtotal	6.6	6.1
Other Procurement	0.0	0.0
TOTAL	79.3	89.0



MACDILL SUMMARY

Template Used	KC-135
Showstoppers	
◆ Air Quality	GREEN
◆ Air Space	GREEN
◆ Available On-Base Land	GREEN
◆ Environment	GREEN
◆ Training	GREEN
Add One Squadron	
Major Construction	72.7
Minor Construction	6.6
Other Procurement	0.0
Subtotal	79.3
Add Second Squadron	
Major Construction	82.9
Minor Construction	6.1
Other Procurement	0.0
Subtotal	89.0
Total Cost for Two Squadrons	168.3



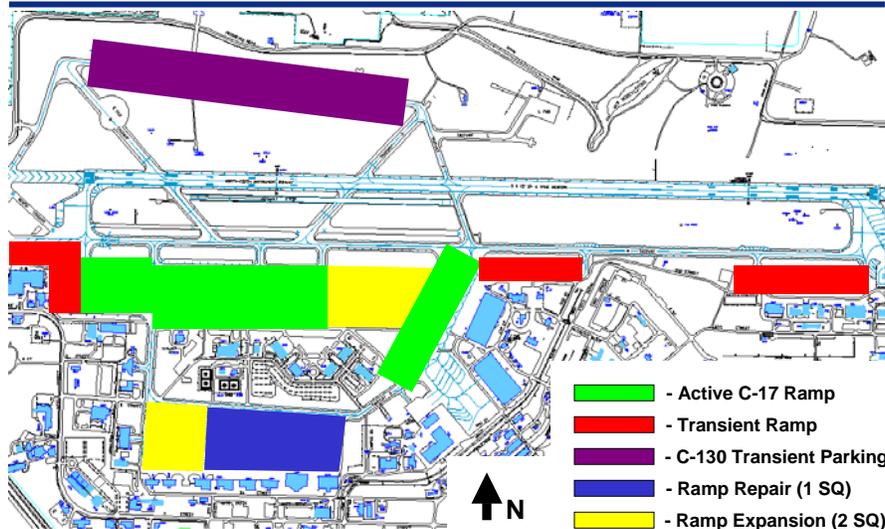
MCCHORD OVERVIEW

Assigned Weapon System Type(s) (MDS)	C-17
Total PAA	42
# Flying Squadrons	4
Total Available Aircraft Parking Spaces	35
Unused Aircraft Parking Spaces	1

Template Used	C-17
Standard PAA Per Squadron	12
Pre-Draw Down PAA	48



MCCHORD RAMP LAYOUT



MCCHORD ESTIMATED COST PER SQUADRON

	SQ 1 (60 PAA)	SQ 2 (72 PAA)
Major Construction		
Mx Hangar (1/3)	32.5	96.7
Fuel Cell	17.4	
Repair Corrosion Control		4.0
Apron	38.0	27.8
Refueling Hydrant Pits (9/9)	12.4	12.4
JP-8 Bulk Storage	13.3	13.3
Engine Shop	3.4	
Mx Training Facility		6.9
Refueler Mx/Parking	1.8	0.4
PMEL		1.4
Replacement Facilities	9.9	12.0
AGE	3.6	1.3
Simulator	5.0	4.3
Squad Ops/AMU	13.5	13.5
Reserve Squad Ops	8.2	8.2
Planning/Design	17.0	21.4
Subtotal	166.1	223.6
Minor Construction		
Environment Studies/Permits	1.1	
Comm/Utility Infrastructure	7.3	8.7
Road Restoration	0.5	0.5
Demo	1.8	3.0
Subtotal	10.7	12.2
Other Procurement	18.0	18.0
TOTAL	194.8	253.8



MCCHORD SUMMARY

Template Used	C-17
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	GREEN
♦ Environment	GREEN
♦ Training	GREEN
Plus Up Costs (6 C-17)	0.0
Add One Squadron	
Major Construction	166.1
Minor Construction	10.7
Other Procurement	18.0
Subtotal	194.8
Add Second Squadron	
Major Construction	223.6
Minor Construction	12.2
Other Procurement	18.0
Subtotal	253.8
Total Cost for Two Squadrons	448.6



MCCONNELL OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-135
Total PAA	30
# Flying Squadrons	4
Total Available Aircraft Parking Spaces	60
Unused Aircraft Parking Spaces	36

Template Used	KC-135
Standard PAA Per Squadron	12
Pre-Draw Down PAA	48

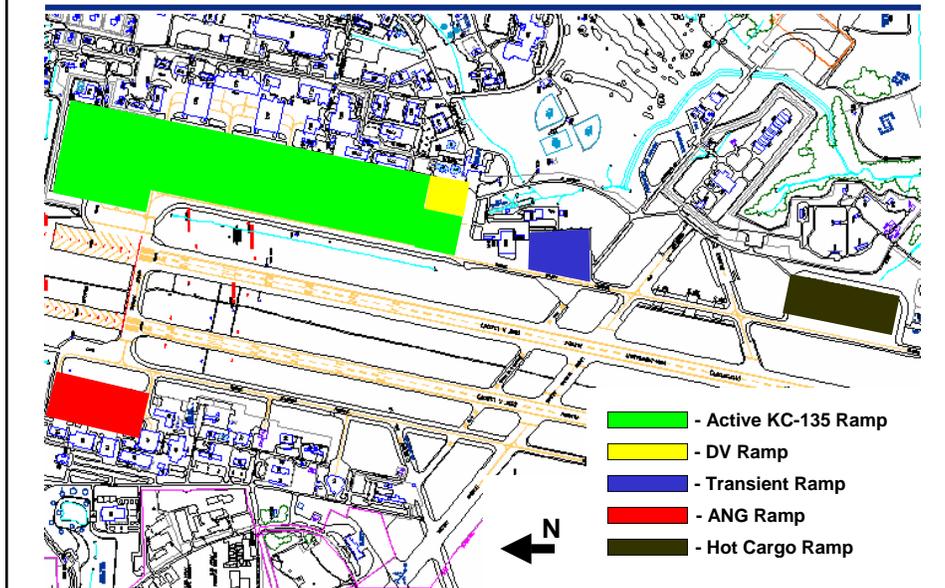


MCCONNELL OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
ANG Tanker Unit	KC-135	9	9



MCCONNELL RAMP LAYOUT





MCCONNELL ESTIMATED COST PER SQUADRON

	SQ 1 (60 PAA)	SQ 2 (72 PAA)
Major Construction		
Mx Hangar (0/2)		60.0
Fuel Cell (1/0)	11.8	
Ramp Repair	0.5	0.0
Refueling Hydrant Pits (6/8)	6.4	8.9
Refueler Mx/Parking	0.2	0.3
PMEL		1.5
AGE	1.6	1.6
Simulator Facility	5.0	
Squad Ops/AMU	14.2	14.2
Reserve Squad Ops	6.9	6.9
Replacement Facilities		14.4
Planning/Design	5.3	11.5
Subtotal	51.9	119.3
Minor Construction		
Environmental Studies/Permits	0.4	
Comm/Utility Infrastructure	5.1	4.4
Road Restoration	0.5	0.5
Demo	0.0	2.6
Subtotal	6.0	7.5
Other Procurement	0.0	0.0
TOTAL	57.9	126.8



MCCONNELL SUMMARY

Template Used	KC-135
Showstoppers	
♦ Air Quality	GREEN
♦ Air Space	GREEN
♦ Available On-Base Land	GREEN
♦ Environment	GREEN
♦ Training	GREEN
Plus Up Cost (18 Aircraft)	0.0
Add One Squadron	
Major Construction	51.9
Minor Construction	6.0
Other Procurement	0.0
Subtotal	57.9
Add Second Squadron	
Major Construction	119.3
Minor Construction	7.5
Other Procurement	0.0
Subtotal	126.8
Total Cost for Two Squadrons	184.7



MCGUIRE OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-10	C-17
Total PAA	30	12
# Flying Squadrons	2	1
Total Available Aircraft Parking Spaces	28	10
Unused Aircraft Parking Spaces	5	0

Template Used	KC-10
Standard PAA Per Squadron	12

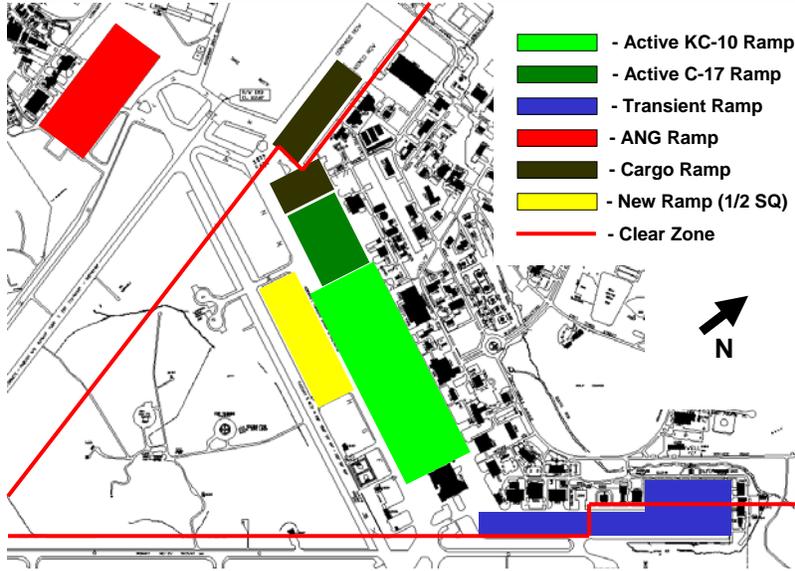


MCGUIRE OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
ANG Tanker Unit	KC-135	16	16



MCGUIRE RAMP LAYOUT



MCGUIRE ESTIMATED COST PER SQUADRON

Mx Hangar (2/3)	70.1	104.9
Fuel Cell (1/0)	27.9	
Corrosion Control		45.1
Ramp Expansion	10.0	11.6
Refueling Hydrant Pits (4/7)	6.0	10.5
JP-8 Bulk Storage	14.4	14.4
COMBS	12.0	
AGE	1.0	0.9
Refueler Mx/Parking	0.3	1.1
Simulator Facility	5.5	
Squad Ops/AMU	18.0	18.0
Reserve Squad Ops	8.8	8.8
Planning/Design	18.3	22.0
Subtotal	192.3	237.3
Minor Construction		
Refueler Parking	0.9	0.5
Environmental Studies/Permits	0.5	
Comm/Utility Infrastructure	7.3	3.4
Road Restoration	0.5	0.5
Subtotal	9.2	4.4
Other Procurement	0.0	0.0
TOTAL	201.5	241.7



MCGUIRE SUMMARY

Template Used	KC-10
Showstoppers	
◆ Air Quality	YELLOW
◆ Air Space	GREEN
◆ Available On-Base Land	GREEN
◆ Environment	GREEN
◆ Training	GREEN
Add One Squadron	
Major Construction	192.3
Minor Construction	9.2
Other Procurement	0.0
Subtotal	201.5
Add Second Squadron	
Major Construction	237.3
Minor Construction	4.4
Other Procurement	0.0
Subtotal	241.7
Total Cost for Two Squadrons	443.2



SCOTT OVERVIEW

Assigned Weapon System Type(s) (MDS)	C-21
Total PAA	8
# Flying Squadrons	1
Total Available Aircraft Parking Spaces	56
Unused Aircraft Parking Spaces	49

Template Used	C-21
Standard PAA Per Squadron	8



SCOTT ESTIMATED COST PER SQUADRON

Major Construction	SQ 1 (16 PAA)	SQ 2 (24 PAA)
Upgrade Mx Hangars (2)	17.2	
Squad Ops	8.2	
Planning/Design	2.8	
Subtotal	28.2	
Minor Construction		
Repair Fuel Cell	1.1	
Repair Apron	0.5	
Environmental Studies/Permits	0.5	
Comm/Utility Infrastructure	3.2	
Road Restoration	0.5	
Subtotal	5.8	
Other Procurement	0.0	
TOTAL	34.0	0.0



SCOTT SUMMARY

Template Used	C-21
Showstoppers	
◆ Air Quality	GREEN
◆ Air Space	GREEN
◆ Available On-Base Land	GREEN
◆ Environment	GREEN
◆ Training	GREEN
Add One Squadron	
Major Construction	28.2
Minor Construction	5.8
Other Procurement	0.0
Subtotal	34.0
Add Second Squadron	
Major Construction	
Minor Construction	
Other Procurement	
Subtotal	0.0
Total Cost for Two Squadrons	34.0



TRAVIS OVERVIEW

Assigned Weapon System Type(s) (MDS)	KC-10	C-17	C-5
Total PAA	24	12	16
# Flying Squadrons	2	1	1
Total Available Aircraft Parking Spaces	20	10	32
Unused Aircraft Parking Spaces	0	0	19

Template Used	KC-10
Standard PAA Per Squadron	12

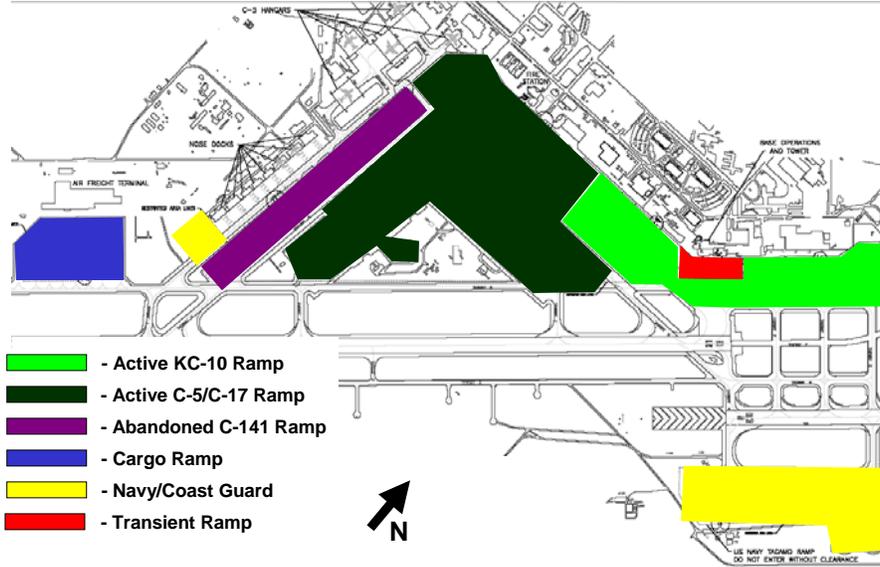


TRAVIS OVERVIEW (CONT'D) TENANT FLYING UNITS

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
Navy TACAMO	E-6B	2	2



TRAVIS RAMP LAYOUT



- - Active KC-10 Ramp
- - Active C-5/C-17 Ramp
- - Abandoned C-141 Ramp
- - Cargo Ramp
- - Navy/Coast Guard
- - Transient Ramp



TRAVIS ESTIMATED COST PER SQUADRON

	SQ 1 (36 PAA)	SQ 2 (48 PAA)
Major Construction		
Mx Hangar (1/3)	41.8	122.0
Fuel Cell (1/0)	30.6	
Corrosion Control (0/1)		49.4
Ramp Repair	2.3	3.8
JP-8 Bulk Storage	15.7	15.7
Refueler Mx/Parking	2.1	0.4
Mx Training Facility		2.9
COMBS	13.1	
AGE	2.2	1.9
Squad Ops/AMU	20.2	20.2
Reserve Squad Ops	8.2	8.2
Simulator Facility		6.0
Replacement Facilities	8.4	16.0
Planning/Design	15.6	26.0
Subtotal	160.2	272.5
Minor Construction		
Environmental Studies/Permits	1.0	
Comm/Utility Infrastructure	6.8	5.5
Road Restoration	1.2	1.8
Demo	2.5	6.0
Subtotal	11.5	13.3
Other Procurement	0.0	0.0
TOTAL	171.7	285.8



TRAVIS SUMMARY

Template Used	KC-10
Showstopper	
◆ Air Quality	GREEN
◆ Air Space	GREEN
◆ Available On-Base Land	GREEN
◆ Environment	GREEN
◆ Training	GREEN
Add One Squadron	
Major Construction	160.2
Minor Construction	11.5
Other Procurement	0.0
Subtotal	171.7
Add Second Squadron	
Major Construction	272.5
Minor Construction	13.3
Other Procurement	0.0
Subtotal	285.8
Total Cost for Two Squadrons	457.5



COMMAND SUMMARY

BASE	MDS	TOTAL PAA	TOTAL PARKING SPACES	UNUSED PARKING SPACES	EST \$\$ TO ADD ONE SQUAD	EST \$\$ TO ADD TWO SQUADS	TOTAL EST COST
Andrews	SAM	34	37	0	N/A	N/A	N/A
Charleston	C-17	46	40	0	N/A	N/A	N/A
Dover	C-5 C-17	28	31	0	N/A	N/A	N/A
Pope	C-130J	28	30	8	N/A	N/A	N/A
Fairchild	KC-135	30	71	47	57.3	104.3	161.6
Grand Forks	KC-135	36	40	11	71.8	146.0	417.8
MacDill	KC-135 C-37	15	39	28	79.3	89.0	168.3
McChord	C-17	42	35	1	194.8	253.8	448.6
McConnell	KC-135	30	60	36	57.9	126.8	184.7



COMMAND SUMMARY

BASE	MDS	TOTAL PAA	TOTAL PARKING SPACES	UNUSED PARKING SPACES	EST \$\$ TO ADD ONE SQUAD	EST \$\$ TO ADD 2ND SQUAD	TOTAL EST COST
McGuire	KC-10 C-17	42	38	5	201.5	241.7	443.2
Scott	C-21	8	56	49	34.0	0	34.0
Travis	KC-10 C-5, C-17	52	62	19	171.7	285.8	457.5



HOUSING CAPACITY

Base	HOUSING			DORMS		
	Current Surplus/ (Deficit)	1 SQ Surplus/ (Deficit)	2 SQ Surplus/ (Deficit)	Current Surplus/ (Deficit)	1 SQ Surplus/ (Deficit)	2 SQ Surplus/ (Deficit)
Andrews	1349	N/A	N/A	414	N/A	N/A
Charleston	822	N/A	N/A	75	N/A	N/A
Dover	540	N/A	N/A	26	N/A	N/A
Fairchild	733	189	(355)	94	(7)	(108)
Grand Forks	384	(160)	(704)	206	105	4
MacDill	287	(257)	(801)	202	101	0
McChord	602	232	(138)	177	112	47
McConnell	400	(144)	(688)	154	53	(48)
McGuire	(95)	(621)	(1147)	587	495	403
Pope	(216)	N/A	N/A	19	N/A	N/A
Scott	(163)	N/A	N/A	8	N/A	N/A
Travis	1555	1029	503	500	408	316

Pacific Air Forces

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Initial Capacity Analysis



27 Apr 04

U.S. AIR FORCE

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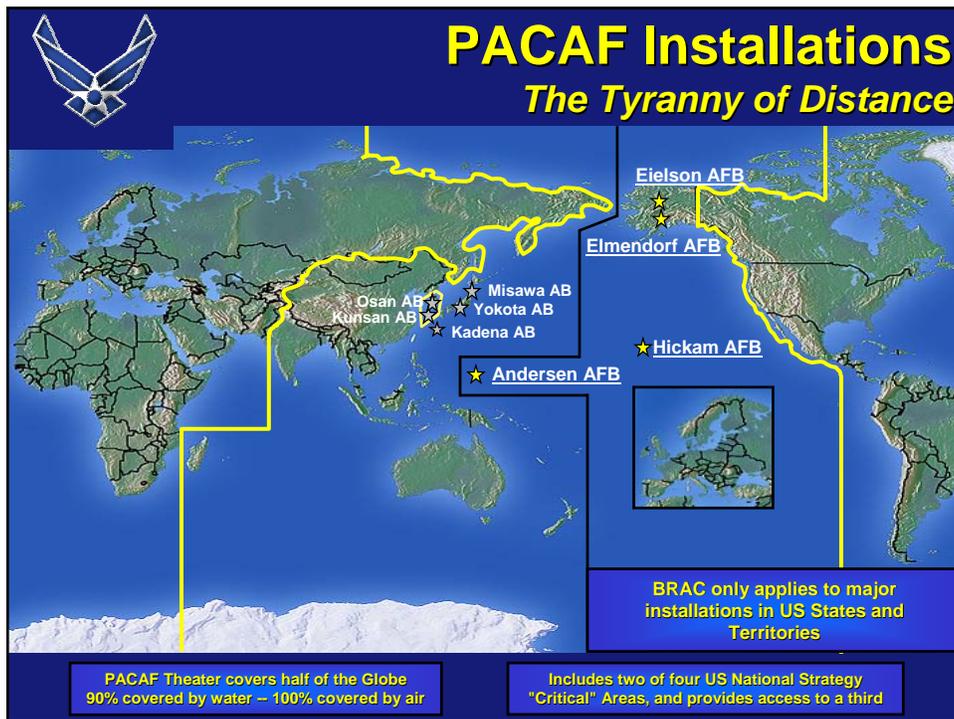
Overview

- PACAF Overview
 - Installations
 - Considerations
- Andersen AFB
- Eielson AFB
- Elmendorf AFB
- Hickam AFB
- Summary

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Data as of 30 Sep 03

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PACAF Considerations

- **Andersen AFB**
 - Area Cost Factor = 2.02 times CONUS average
 - Frequent typhoons up to 170mph and salty ocean environment
- **Eielson AFB**
 - Area Cost Factor = 2.03 times CONUS average
 - Arctic conditions (150 degree temp fluctuations) and wetlands
- **Elmendorf AFB**
 - Area Cost Factor = 1.68 times CONUS average
 - Near-Arctic conditions and salty ocean environment
- **Hickam AFB**
 - Area Cost Factor = 1.66 times CONUS average
 - Large historic district and salty ocean environment

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Andersen AFB Overview

Assigned Weapon System Types	None
Total PAA	N/A
# Flying Squadrons	N/A
# Aircraft per squadron	N/A
Total Available Aircraft Parking spaces	159
Unused Aircraft Parking Spaces	153

Template used	B-52	RQ-4
Standard PAA per squadron	12	3

Note: Andersen AFB currently has no assigned aircraft, but hosts six rotational B-52 bombers and associated tankers. Planned future beddowns of 48 Fighters (F/A-22), 12 Tankers, 12 Bombers, and 3 Global Hawks have not been publicly announced as of 30 Sep 2003.

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Andersen AFB Overview



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Andersen AFB

Tenant Flying Units Overview

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
US Navy HC-5	SH-60	10	10

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Andersen AFB

Initial Capacity Estimated Costs Summary

Template used	B-52	RQ-4
Add One Squadron		
Showstopper	None	None
Major Construction	312.8	49.6
Minor Construction	3.3	0.6
Other Procurement	31.6	5.0
Subtotal	347.7	55.2
Add Second Squadron		
Showstopper	None	None
Major Construction	87.9	46.5
Minor Construction	0.0	0.0
Other Procurement	8.8	4.6
Subtotal	96.7	51.1
Total Cost for Two Squadrons	444.4	106.3

Note: Cost estimates were determined by a joint Andersen/PACAF/ACC working group as part of the Guam Strike Task Force SATAF primarily using AFH 32-1084

Note: All figures shown are \$M

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Andersen AFB

Initial Capacity Estimated Costs Details

Costs To Add One Squadron	B-52	RQ-4	Major Construction (Continued)	
Major Construction			Flight Simulator	12.6 0.0
Repair South Runway, Phase 1	20.0	0.0	Conventional Munitions Shop	6.3 0.0
Repair South Runway, Phase 2	13.7	0.0	Munitions Trailer/Maintenance Storage	1.0 0.0
Repair Taxiway Charlie, Phase 1	8.0	0.0	Precision Guided Munitions Facility	7.0 0.0
Repair Taxiway Charlie, Phase 2	9.1	0.0	Subtotal	312.8 49.6
Widen South Runway	15.5	0.0	Minor Construction	
Repair North Ramp No 3	18.8	0.0	Maintenance Operations Center	0.0 0.3
Repair Munitions Roads	6.0	0.0	Fuel System Maintenance Hangar	0.0 0.0
Water to Main Base/South Ramp Area	0.0	3.1	Wheel/Tire Shop	0.5 0.3
Squadron Operations	6.7	0.0	Aerospace Ground Equipment	0.9 0.0
General Maintenance Hangar	67.4	46.5	Repair & Reclamation Shop	0.5 0.0
Contract Maintenance Support	0.0	0.0	Electro/Environmental Shop	0.5 0.0
Munitions Igloos, Phase I	14.4	0.0	Egress Shop	0.9 0.0
Upgrade Electrical System	12.0	0.0	Subtotal	3.3 0.6
Water to Main Base/South Ramp	2.0	0.0	Other Procurement	
Water to North Ramp	5.6	0.0	10% Planning and Design	31.6 5.0
Sewer to Main Base/South Ramp	1.3	0.0	Subtotal	31.6 5.0
Sewer to North Ramp	1.5	0.0	TOTAL	347.7 55.2
Aircraft Maintenance Units (AMU)	2.8	0.0		
Avionics Shop/PMEL	6.6	0.0		
Corrosion Control Hangar	25.4	0.0		
Clear Water Rinse Facility	5.8	0.0		
Armament Systems Shop/AME	9.5	0.0		
Munitions Load Crew Training Facility	33.8	0.0		

Note: All figures shown are \$M



Andersen AFB

Initial Capacity Estimated Costs Details

Costs To Add Second Squadron	B-52	RQ-4
Major Construction		
Squadron Operations	6.7	0.0
General Maintenance Hangar	67.4	46.5
Munitions Igloos, Phase II	13.8	0.0
Subtotal	87.9	46.5
Minor Construction		
Subtotal	0.0	0.0
Other Procurement		
10% Planning and Design	8.8	4.6
Subtotal	8.8	4.6
TOTAL	96.7	51.1

Note: All figures shown are \$M



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Eielson AFB Overview

Assigned Weapon System Types	F-16CG	OA/A-10
Total PAA	18	18
# Flying Squadrons	1	1
# Aircraft per squadron	18	18
Total Available Aircraft Parking spaces	23	21
Unused Aircraft Parking Spaces	5	3

Template used	F-16
Standard PAA per squadron	24

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Eielson AFB Overview

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12



Eielson AFB

Tenant Flying Units Overview

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
168 ARW (AK ANG)	KC-135R	8	9



Eielson AFB

PAA Expansion Estimated Costs Summary

Expand Existing F-16CG Squadron	+6 aircraft
Showstopper	None
Major Construction	52.3
Minor Construction	0.4
Other Procurement	5.2
Subtotal	57.9
Expand Existing OA/A-10 Squadron	+6 aircraft
Showstopper	None
Major Construction	102.5
Minor Construction	0.4
Other Procurement	10.2
Subtotal	113.1
Total Cost To Reach Standard PAA	170.9

Note: All figures shown are \$M



Eielson AFB

PAA Expansion Estimated Costs Details

Costs To Expand Existing F-16CG Squadron		Costs To Expand Existing OAJA-10 Squadron	
Major Construction		Major Construction	
Add 4-Bay Hangar (1)	25.0	Add 6-Bay Hangar (2)	75.2
Expand Maintenance Bay	1.7	Expand Maintenance Bay	1.7
Expand AGE heated storage	4.5	Expand AGE heated storage	4.5
Add 2-Bay Fuel Barn	5.1	Add 2-Bay Fuel Barn	5.1
Expand Jet Engine Inspection and Mx Facility	2.9	Expand Jet Engine Inspection and Mx Facility	2.9
Add Maintenance Complex	9.9	Add Maintenance Complex	9.9
Add Fire Response Station	0.8	Add Fire Response Station	0.8
Expand AMXS Building	0.8	Expand AMXS Building	0.8
Expand Supply MRSP Storage	1.8	Expand Supply MRSP Storage	1.8
Subtotal	52.3	Subtotal	102.5
Minor Construction		Minor Construction	
Add Mx Ops Squadron office space	0.4	Add Mx Ops Squadron office space	0.4
Subtotal	0.4	Subtotal	0.4
Other Procurement		Other Procurement	
10% Planning and Design	5.2	10% Planning and Design	10.2
Subtotal	5.2	Subtotal	10.2
TOTAL	57.9	TOTAL	113.1

Note: All figures shown are \$M



Eielson AFB

Initial Capacity Estimated Costs Summary

Template used	F-16
Add One Squadron	
Showstopper	None
Major Construction	266.3
Minor Construction	0.0
Other procurement	39.8
Subtotal	306.1
Add Second Squadron	
Showstopper	None
Major Construction	362.3
Minor Construction	0.0
Other procurement	36.2
Subtotal	398.5
Total Cost To Add Two Squadrons	704.6

Note: Cost estimates were determined primarily through extrapolation of existing facilities. Eielson's unique arctic conditions make cost estimation difficult due to a general lack of AFI guidance.

Note: All figures shown are \$M



Eielson AFB

Initial Capacity Estimated Costs Details

Costs To Add One Squadron	F-16	Costs To Add One Squadron (cont)	F-16
Major Construction		Major Construction (cont)	
Add 4-Bay Hangars (1)	25.0	Add warm storage for Armament	4.5
Add 8-Bay Hangars (1)	49.1	Add Jet Engine Inspection and Mx Facility	20.0
Relocate ATC Tower	4.0	Add MXS Facility (EMS & CRS)	9.8
Add F-16 Sq Ops & AMXS Bldg	12.5	Add High Speed Taxiways (2)	8.0
Expand Maintenance Complex	6.3	Widen Loop Taxiway	18.0
Add Dining Facility	10.0	Relocate Munitions Holding Pad	0.8
Add Dormitories (two 96p)	28.0	Expand Supply MRSP Storage	7.0
Add MOS office space	0.8	Subtotal	266.3
Expand Ammo Storage	13.1	Minor Construction	
Add vehicle storage building (Ammo)	20.0	Subtotal	0.0
Add MXS office space	1.8	Other Procurement	
Expand Maintenance Bay	3.3	Add Hush House w/ trim pad	12.0
Expand AGE heated storage & shop	10.0	10% Planning and Design	27.8
Expand Fuel Barn & Storage Facility	6.9	Subtotal	39.8
Expand wash rack bay	3.5	TOTAL	306.1
Add Avionics sensors building	4.0		

Note: All figures shown are \$M



Eielson AFB

Initial Capacity Estimated Costs Details

Costs To Add Second Squadron	F-16	Costs To Add Second Squadron (cont)	F-16
Major Construction		Major Construction (cont)	
Add 4-Bay Hangars (1)	25.0	Expand Fuels Ops bldg	3.1
Add 8-Bay Hangars (1)	49.1	Add Parallel Runway (10,000 ft)	80.0
Add F-16 Sq Ops & AMXS Bldg	12.5	Add Snow Barn	14.4
Expand Maintenance Complex	4.0	Expand MXS office space	1.2
Add Dormitory (one 96p)	20.0	Expand Supply MRSP Storage	7.1
Add 11-bay Fuels heated parking	12.9	Subtotal	362.3
Expand Mx Ops Squadron facility	1.5	Minor Construction	
Expand Ammo Storage	9.1	Subtotal	0.0
Add vehicle storage building (Ammo)	21.0	Other Procurement	
Add Maintenance 5-Bay bldg (Phase)	25.0	10% Planning and Design	36.2
Expand AGE heated storage & shop	13.1	Subtotal	36.2
Expand Fuel Barn & Storage Facility	6.5	TOTAL	398.5
Add wash rack bay facility	25.0		
Add Avionics Test Systems building	19.5		
Add warm storage for Armament	4.5		
Expand Jet Engine Inspection and Mx Facility	7.8		

Note: All figures shown are \$M



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Elmendorf AFB Overview

Assigned Weapon System Types	F-15C	F-15E	C-130H	C-17	C-12	E-3B
Total PAA	42	18	0	8	3	2
# Flying Squadrons	2	1	0	1		1
# Aircraft per squadron	18/24	18	0	8	3	2
Total Available Aircraft Parking spaces	69	26	5	6	3	2
Unused Aircraft Parking Spaces	27	8	5	0	0	0

Template used	F-15
Standard PAA per squadron	24

Note: Elmendorf AFB is scheduled to lose their existing C-130s and begin receiving new C-17 aircraft in FY07, which was announced before 30 Sep 03

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19



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Elmendorf AFB Overview



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Elmendorf AFB Tenant Flying Units Overview

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
Alaska Regional Flight Center (Army)	One C-12 Two UC-35	3	3

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Elmendorf AFB PAA Expansion Estimated Costs Summary

Expand Existing F-15C Squadron	+6 aircraft
Showstopper	None
Major Construction	0.0
Minor Construction	0.0
Other procurement	0.0
Subtotal	0.0
Expand Existing F-15E Squadron	+6 aircraft
Showstopper	None
Major Construction	0.0
Minor Construction	0.0
Other procurement	0.0
Subtotal	0.0
Expand Existing C-17 Squadron	+4 aircraft
Showstopper	None
Major Construction	7.4
Minor Construction	0.0
Other procurement	0.7
Subtotal	8.1
Total Cost To Reach Standard PAA	8.1

Note: All figures shown are \$M

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22



Elmendorf AFB

PAA Expansion Estimated Costs Details

Costs To Expand Existing F-15C Sq	
Showstoppers	None
Major Construction	0.0
Minor Construction	0.0
Other Procurement	0.0
TOTAL	0.0

Costs To Expand Existing C-17 Sq	
Showstoppers	None
Major Construction	
Ramp and fuel hydrant expansion	7.4
Minor Construction	0.0
Other Procurement	
10% Planning and Design	0.7
TOTAL	8.1

Costs To Expand Existing F-15E Sq	
Showstoppers	None
Major Construction	0.0
Minor Construction	0.0
Other Procurement	0.0
TOTAL	0.0

Note: All figures shown are \$M



Elmendorf AFB

Initial Capacity Estimated Costs Summary

Template used	F-15
Add One Squadron	
Showstopper	None
Major Construction	164.7
Minor Construction	3.0
Other Procurement	17.3
Subtotal	185.0
Add Second Squadron	
Showstopper	None
Major Construction	47.8
Minor Construction	0.1
Other Procurement	4.8
Subtotal	52.6
Total Cost for Two Squadrons	237.6

Note: Cost estimates were determined using USAF/Boeing F-15 facility requirements standards and AFH 32-1084

Note: All figures shown are \$M



Elmendorf AFB

Initial Capacity Estimated Costs Details

Costs To Add One Squadron	F-15	Costs To Add One Squadron (cont'd)	F-15
Major Construction		Conventional Munitions Shop	2.4
Taxiway	18.0	Ancillary Explosive Facility	2.8
Apron	9.0	Multicubicle Magazine	2.2
Hush House	5.0	Above Ground Magazine	2.4
Squad Ops	5.3	Magazine Earth Covered	1.4
Covered Acft Maint Space	16.8	Dormitory	20.0
Acft Org Maint Shop	4.2	Subtotal	164.7
Small Acft Maint Dock	9.2	Minor Construction	
Weapons Standardization Section	8.4	Power Check Pad	0.2
Gen Purpose Acft Maint Shop (CRS)	5.4	Warm up/Holding Pad	0.4
Avionics Shop	4.9	Acft Engine Inspect/Repair Shop	0.6
Gen Purpose Acft Maint Shop (EMS)	6.2	Engine Trim Pad	0.5
Structural Repair Shop	1.4	Metal Processing Shop	0.6
NDI Shop	1.2	Support Equip Storage Yard	0.1
Corrosion Control Fac	5.8	Base Reclamation Yard	0.1
Acft Repair & Reclamation Dock	6.0	Inert Spares Warehouse	0.5
Wheel And Tire Shop	5.4	Subtotal	3.0
Acft Support Equip Shop	8.2	Other Procurement	
Parachute & Dingy Shop	1.7	10% Planning and Design	17.3
Armament Sys Branch Fac	6.0	Subtotal	17.3
Tac Missile/Glide Weapon Maint Shop	3.8	TOTAL	185.0
Surveillance & Inspect Shop	1.6		

Note: All figures shown are \$M



Elmendorf AFB

Initial Capacity Estimated Costs Details

Costs To Add Second Squadron	F-15
Major Construction	
Squad Ops	5.3
Covered Acft Maint Space	16.8
Acft Org Maint Shop	4.2
Small Acft Maint Dock	9.3
Acft Engine Inspect & Repair Shop	3.9
Acft Support Equip Shop	8.3
Subtotal	47.8
Minor Construction	
Support Equip Storage Yard	0.1
Subtotal	0.1
Other Procurement	
10% Planning and Design	4.8
Subtotal	4.8
TOTAL	52.6

Note: All figures shown are \$M



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Hickam AFB Overview

Assigned Weapon System Types	C-37	C-40	C-17
Total PMAI	1	1	8
# Flying Squadrons	1		1
# Aircraft per squadron	1	1	8
Total Available Aircraft Parking spaces	1	1	28
Unused Aircraft Parking Spaces	0	0	20

Template used	C-17
Standard PAA per squadron	12

Note: Hickam AFB is scheduled to begin receiving C-17 aircraft in FY06, which was announced before 30 Sep 03 so they are included in their assigned aircraft summary

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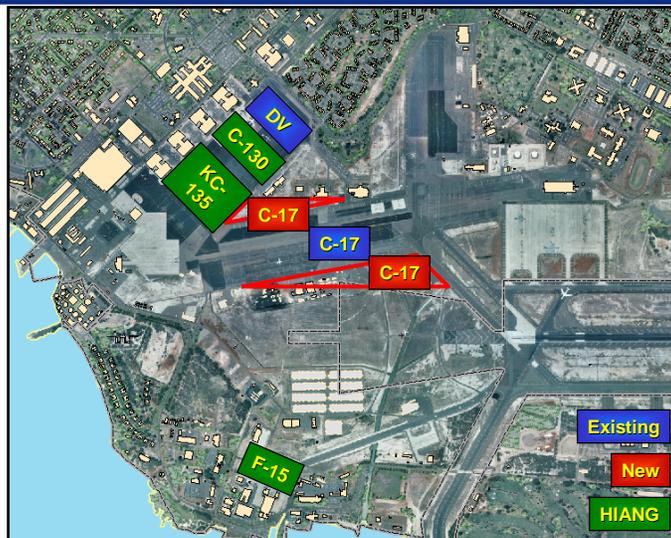
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Hickam AFB Overview



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28



Hickam AFB

Tenant Flying Units Overview

Tenant Flying Unit	Type AC	# PAA	# Parking Spaces Used
154 WG (HIANG)	F-15A/B	15	15
154 WG (HIANG)	KC-135R	8	8
154 WG (HIANG)	C-130H	4	4



Hickam AFB

PAA Expansion Estimated Costs Summary

Expand Existing C-17 Squadron	+4 aircraft
Showstopper	None
Major Construction	9.5
Minor Construction	0.6
Other Procurement	1.0
Total Cost To Reach Standard PAA	11.1

Note: All figures shown are \$M



Hickam AFB

PAA Expansion Estimated Costs Details

Costs To Expand Existing C-17 Squadron	
Major Construction	
Add Alter Squad Ops	1.4
Add Alter Dinning Facility	2.1
Hydrant Fuel Pits	6.0
Subtotal	9.5
Minor Construction	
Alter Propoulsion	0.2
Add Alter MX complex	0.4
Subtotal	0.6
Other Considerations	
10% Planning and Design	1.0
Subtotal	1.0
TOTAL	11.1

Note: All figures shown are \$M



Hickam AFB

Initial Capacity Estimated Costs Summary

Template used	C-17
Add One Squadron	
Showstopper	None
Major Construction	135.5
Minor Construction	5.3
Other procurement	14.0
Subtotal	154.8
Add Second Squadron	
Showstopper	None
Major Construction	148.3
Minor Construction	1.5
Other procurement	14.9
Subtotal	164.7
Total Cost for Two Squadrons	319.5

Note: Cost estimates were determined primarily using AFH 32-1084 and are consistent with their on-going C-17 beddown program.

Note: All figures shown are \$M



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Hickam AFB

Initial Capacity Estimated Costs Details

Costs To Add One Squadron	C-17
Major Construction	
Airfield Pavements	11.4
Gen Maint Hangars (3)	78.0
Life Support Facility	6.4
Electro/Environmental Shop	3.8
AMU Complex	3.7
Alter Sq ops complex	2.9
AGE Facility	4.4
Utilities Support	6.0
Dinning Facility	0.9
Hydrant Fuel Pits	18.0
Subtotal	135.5
Minor Construction	
Add Alter shops	3.5
Alter MX complex	1.8
Subtotal	5.3
Other Considerations	
10% Planning and Design	14.0
Subtotal	14.0
TOTAL	154.8

Costs To Add Second Squadron	C-17
Major Construction	
Airfield Pavements	44.1
Gen Maint Hangars (2)	52.0
Alter MX complex	2.4
AMU Complex	3.7
AGE Facility	1.5
New/Alter Sq Ops facility	6.1
Addition Flight Sim	2.5
Utilities Support	6.0
Hydrant Fuel Pits	18.0
Enlisted Dorm	12.0
Subtotal	148.3
Minor Construction	
Alter Parts Store	0.8
Life Support Facility	0.8
Subtotal	1.5
Other Considerations	
10% Planning and Design	14.9
Subtotal	14.9
TOTAL	164.7

Note: All figures shown are \$M

HQ PACAF 27 Apr 04
Data as of 30 Sep 03

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33



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PACAF Summary

Base	MDS	Total PAA	Parking Total	Spaces Unused	Est \$M to Full PAA	Est \$M to Add 1 Sq	Est \$M to Add 2d Sq	Total \$M Est Cost
Andersen AFB	B-52	-	159	153	-	347.7	96.7	444.4
Andersen AFB	RQ-4	-	0	0	-	55.2	51.1	106.3
Eielson AFB	F-16	18	23	5	57.9	306.1	398.5	762.5
Eielson AFB	A-10	18	21	3	113.1	-	-	113.1
Elmendorf AFB	F-15C	42	69	27	0.0	185.0	52.6	237.6
Elmendorf AFB	F-15E	18	26	8	0.0	-	-	0.0
Elmendorf AFB	C-17	8	6	0	8.1	-	-	8.1
Elmendorf AFB	C-12	3	3	0	-	-	-	-
Elmendorf AFB	E-3B	2	2	0	-	-	-	-
Hickam AFB	C-17	8	28	20	11.1	154.8	164.7	330.6
Hickam AFB	C-37	1	1	0	-	-	-	-
Hickam AFB	C-40	1	1	0	-	-	-	-

Note: All figures shown are \$M

HQ PACAF 27 Apr 04
Data as of 30 Sep 03

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34