



DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

10 May 2010

MEMORANDUM FOR ALASKA CIVIL/MILITARY AVIATION COUNCIL (ACMAC)

FROM: 11 AF/CV
10471 20th Street, Suite 139
Elmendorf AFB AK 99506-2100

SUBJECT: Alaska Civil/Military Aviation Council Minutes

1. The ACMAC convened 31 Mar 2010, at 1000 in the Reeves Conference Room at Elmendorf AFB AK and was broadcast via VTC to 353rd Combat Training Squadron, Eielson AFB AK. The meeting slides are attached to provide more detailed information about the various briefs. Please refer to these as you read the minutes.

2. Member Attendance: Colonel Marc Luiken, 11AF/CV, chaired the meeting and the attendance roster is attached.

3. Opening remarks by ACMAC Chairman: Col Luiken welcomed everyone to the Spring ACMAC.

4. The following agenda items were discussed:

a. RED FLAG-Alaska FY10 Update: Mr. Pete Bussa, 353rd Combat Training Squadron, provided an overview of upcoming exercises. He pointed out that RF-A 10-2 is a US Flag with participation by the Marines. DELTA MOA active times are the same for all exercises – 1000-1230L and 1600-1830L. RF-A 10-3 is their Cooperative exercise with Japan, Italy, Korea, and Belgium participating resulting in the largest Flag of the year (slide slightly in error). RF-A 10-4 will be a smaller Flag with possible UK participation and planned GPS jamming. He advised RF-A 11-1 will be in April 2011 with a total of 5 exercises in CY11. Below is the schedule for future exercises. Please refer to the attached slides for specific details to include in briefs and familiarization days.

RED FLAG-Alaska 10-2	15-30 April 10
RED FLAG-Alaska 10-3	10-25 June 10
RED FLAG-Alaska 10-4	5-20 August 10

b. Airfield Status Update: Briefings were presented by several members: Mr. Iagulli, Ted Stevens International Airport; Maj Cancino, Elmendorf AFB; Ms. Osborn, Fairbanks International Airport; Capt Byman (on behalf of Mr. Knight), Allen Army Airfield; Mr. Ferguson, Ladd Army Airfield; Mr. Noe, Bryant Army Airfield and Eielson AFB. Detailed airfield construction information is provided on the attached slides.

1) Mr. Iagulli advised TSAIA will close runway 7R/25L will be down for the season beginning in 2 weeks. Kulis will be on a temporary taxiway for a maximum of 30-45 days. This will impact aircraft diverting into Kulis approximately 15 April through the end of May.

2) Maj Cancino advised runway 16/34 will be out of service 19 Apr-15 Oct 10. Runway 06/24 will be reduced to 8700 feet beginning 15 May for approximately 3 to 4 weeks.

3) Mr. Noe advised Bryant AAF tower refurbishment should be complete by the end of the year and the airspace upgrade will come with tower activation including hiring of tower personnel, hopefully in Spring 2011.

c. Airspace Update: : Briefings were presented by several members: Mr. John Crowe, Mr. Rick Vickery, Mr Adam Negri, Maj Kelly Amedee

1) Mr. Crowe advised Delta TMOA is approved for 2010 exercise season. He expects an FAA decision regarding the Charted Delta MOA by July 2010, it will be activated only for MFEs and is identical to the TMOA dating back to 2007. Mr. Vickery, FAA Air Traffic Representative, advised June 1 is the deadline for the service area to complete its analysis and forward it to headquarters where it will take a month or two for a decision.

2) Mr. Crowe spoke regarding the MTRs and advised northern routes would not be used and the routes are on the Elmendorf website.

3) Mr. Negri spoke regarding the JPARC EIS and advised that it was an umbrella EIS to capture all of the DOD impacts in order to develop the JPARC, expect to publish a NOI this summer with public scoping meetings this fall. DOD has developed a comprehensive list of requirements. Working with other civil partners to see what is feasible. Next meeting is April 7. A master plan for the next 25 years is currently being drafted and is planned to be completed in June. Col Luiken spoke about the comprehensive plan so that there will be full disclosure. Tom George, AOPA, asked about when the public comment participation will occur and if there might be assets that can be given back if unused.

4) Mr. Crowe described the SUAIS and C-17 pamphlets.

5) Mr. Crowe addressed the Fairbanks to Eagle IFR corridor requested by Jim Strickland. Mr. Crowe advised an IFR corridor was not feasible, especially to an airfield without an instrument approach. Someone pointed out that there was a GPS approach, but Mr. Crowe advised that would not change the conclusion. Specific requests in unique circumstances (firefighting, etc) would be entertained by the FAA and 11AF.

6) Mr. Crowe described the GPS Jamming program and the NOTAM. Maj Amedee described jamming using 4 jammers and the associated containers. The NOTAM last year accommodated a 360 degree area. This year would only be 180 degrees mostly toward the east. He described the various intensities possible and that SUAIS would describe the daily direction for each container. Most of the jamming will be to the east, but other directions could be affected because of back lobe bleed-off and 30 degree beam width of various antennas. He advised the FAA's modeling program is cautious but the only accepted program. Mr. Kieling asked what the visible effects for the GA pilot would be. Mr. George requested more information to reduce effect on commerce (aeronautical surveys) since the NOTAM is much more conservative than actually required. Maj Amedee advised the FAA writes the NOTAM based on the 527th request. Jamming will be all days except Thursdays, second Monday and the last Friday. Col Luiken advised being clear about times and days was very important. Over-riding the FAA NOTAM is not possible.

5. Open Forum:

a. Someone advised there was misinformation circulating downtown that said the Charted DELTA MOA would not allow them to fly in that airspace ever again.

b. Pete asked how many more MOAs like the DELTA MOA would be proposed. Col Luiken addressed the issue saying it was the same MOA we've been using, but is proposed until approved by the FAA.

c. An invitation to the Fairbanks aviation appreciation day for an F-22 was made.

d. Mr. Kieling described Dept of the Interior aircraft and UAS's, Alaska Aviation Foundation float seminar and hangar flying on public television and mesh military with civilian pieces of ACMAC

6. Closing Comments:

a. Colonel Luiken thanked all in attendance for their participation and interest in ACMAC. Col Luiken advised this was his last ACMAC, but that he would continue to be a part of it as part of the state DOT.

b. Colonel Luiken wanted to ensure the following action items were identified:

(1) Bryant AAF comprehensive update. OPRs: Mr. Noe/Mr. Johnson

(2) GPS Jamming: coordination at next sub-ACMAC and feedback from summer season. Get jamming times and dates out as early as possible. OPRs: 353CTS and CODK

(3) Solicit updates from civilians and GA for next ACMAC. OPR: CODK

7. The meeting adjourned at approximately 1130. Notifications for the next ACMAC will be sent as soon as a definitive date is set. Questions, corrections, comments, and/or concerns should be addressed to Mr. John Crowe, 611 AOC/CODK at Commercial (907) 552-0999 or DSN 317-552-0999.



For JOHN F. CROWE, GS-12, DAF
Airspace Manager

Approved/~~Disapproved~~



CHARLES J. BUTLER, Lieutenant Colonel, USAF
ACMAC Vice Chairman

Attachment:
Meeting slides

cc:
11 AF/CC



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**Alaska Civil/Military
Aviation Council**

Welcome!

Please Check in at Sign-up Table



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**Alaska Civil/Military
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Mr John Crowe



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ADMINISTRATION

Silence cell phones and other accessories
Please ensure you have signed in
Presentation information
Hold questions until the end of presentations
Introductions



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**Alaska Civil/Military
Aviation Council**

Col Marc A. Luiken



353d Combat Training Squadron



RED FLAG-Alaska FY10

Update for ACMAC



Mr. Pete "Bruster" Bussa
Operations, 353 CTS

U.S. AIR FORCE



RF-A 10-2

15 – 30 Apr 10



Personnel

- Team Chief: Lt Col Sumner
- Asst Chief: Maj Mandich
- Det 1: Capt Peterson
- 18 AGRS: (TBD)

Timeline

- FPC 12 – 15 Jan 10
- Inbriefs 15 Apr 10
- Fam Day 16 Apr 10
- Exercise 19-30 Apr 10

Distant Frontier

Participants (*=CPO // Pending / Confirmed / Declined)

<p>USAF / ANG</p> <ul style="list-style-type: none"> *Elmendorf 19 FS *Kunsan 80 FS *S-J 335 FS *Elmendorf 525 FS *Barksdale 96 BS *Elmendorf 517 AS *Kadena 961 AACs *Elmendorf 962 AACs *Eielson 18 AGRS Lakenheath 492 FS TTF TBD 	<ul style="list-style-type: none"> 12 x F-15C 10 x F-16 12 x F-15E 12 x F-22 (Not likely) 2 x B-52 3 x C-17 1 x E-3 12 x F-16 12 x F-15E X x KC135 	<p>USN</p> <ul style="list-style-type: none"> Whidbey VAQ 134 Iwakuni VMA-211 <p>International</p> <ul style="list-style-type: none"> Belgium 39 x F-16 M-rols Germany 1 x C-130 Turkey M-Role (Eurofighter) Israel F-16 M-Role
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RF-A 10-3

10 – 25 Jun 10



Personnel

- Team Chief: Maj Nudi
- Asst Chief: Maj Baer
- Det 1: (TBD)
- 18 AGRS: (TBD)

Timeline

- FPC 8-12 Feb 10
- Inbriefs 10 Jun 10
- Fam Day 11 Jun 10
- Exercise 14-25 Jun 10

Distant Frontier

Participants (*=CPO // Pending / Confirmed / Declined)

<p>USAF / ANG</p> <ul style="list-style-type: none"> *Kunsan 35 FS *Shaw 79 FS *Jacksonville ANG 159 FS *Mt Home 389 FS *Davis Monthan 354 FS *Eilsworth 37 BS *Kadena 961 AACs *Elmendorf 962 AACs *Yakota 36 AS *Eielson 18 AGRS LAANG 122 ASOB TTF (TBD) 	<p>USN</p> <p>(Base) (Unit) (# x MDS)</p> <p>International</p> <ul style="list-style-type: none"> Greece 5 x F-16 M-Role Japan 8 x F-15J / JMWACS / 2 x KC 787 Spain 3 x C-130 / Stinger Italy F-16 (A20) / Tanker / SDF Korea M-Role/Eurofighter/Tanker/SOF Brazil 6 x F-15K - 1 or 2 x C-130's Portugal WLO (Fighter) Romania WLO (Fighter) WLO (C-130) 	<p>USAF / ANG</p> <ul style="list-style-type: none"> *Langley 94 FS *Troy AFB 176 FS *Kadena 961 AACs *Elmendorf 962 AACs *Eielson 18 AGRS
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RF-A 10-4

5 – 20 Aug 2010



Personnel

- Team Chief: Maj Mentch
- Asst Chief: Maj Schmidt
- Det 1: (TBD)
- 18 AGRS: (TBD)

Timeline

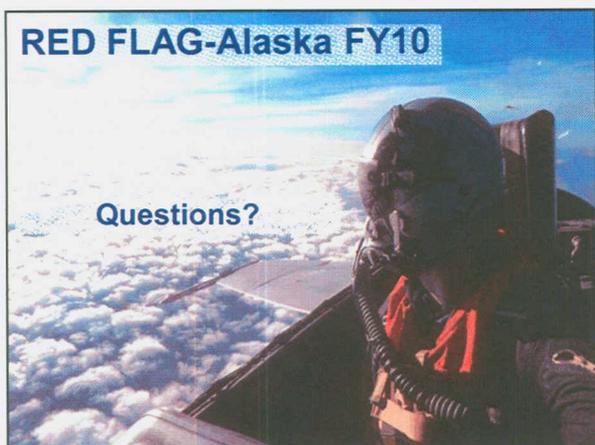
- IPC 9-11 Mar 10
- FPC 3-7 May 10
- Inbriefs 5 Aug 10
- Fam Day 6 Aug 10
- Exercise 9-20 Aug 10

Distant Frontier

Participants (*=CPO // Pending / Confirmed / Declined)

<p>USAF / ANG</p> <ul style="list-style-type: none"> *Misawa 13 FS *Whiteman 13 BS *Elmendorf 19 FS *Osan 36 FS *Elmendorf 90 FS *Langley 94 FS *Troy AFB 176 FS *Kadena 961 AACs *Elmendorf 962 AACs *Eielson 18 AGRS 	<p>USN</p> <p>(Base) (Unit) (# x MDS)</p>	<p>International</p> <ul style="list-style-type: none"> Australia 30 x MDS Canada (Unit) (# x MDS) United Kingdom (Unit) (# x MDS)
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AIRFIELD STATUS UPDATE




Airport Presentations from:

- Ted Stevens Int'l – Mr. Iagulli
- Elmendorf AFB – Maj Cancino
- Fairbanks Int'l – Ms. Osborn
- Allen Army Airfield – Mr. Knight
- LADD Army Airfield – Mr. Ferguson
- Bryant Army Airfield – Mr. Johnson
- Eielson AFB – Capt Stimpfel

Ted Stevens International
 Major Airfield Projects 2009-2011

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Ted Stevens Anchorage International

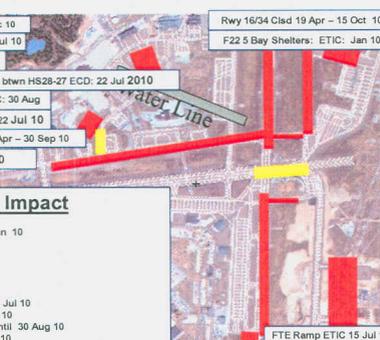
CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
Rebuild/Extend Rwy 7R/25L	East half – Summer 2010 West half – Summer 2011	Cat III N/A during Construction
Rwy 7L Cat II Upgrade	Spring 2010	Cat I Ops until complete FLIP/Flight check dependent
Twys E/L/M Rebuild	Summer 2011	Limited Heavy Acll Parking

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Elmendorf AFB

176 WG ANG MX Complex ECD: Dec 10
C-17 Parking Phase II 1 May - 22 Jul 10
HS36 Upgrades ECD: 15 Sep 10
Twy K restricted to 3 Wg acft only btwn HS28-27 ECD: 22 Jul 2010
OPS Ramp 6,7 and 9-12 Clsd ETIC: 30 Aug
Twy M Clsd HS38 - HS25 1 May - 22 Jul 10
Water Line 176WG Complex 19 Apr - 30 Sep 10
C17 Spt 13-16 ECD: 22 Jul 10

Rwy 16/34 Clsd 19 Apr - 15 Oct 10
F22 5 Bay Shelters: ETIC: Jan 10



Strategic Impact

Rwy 24 Displaced 1700ft 14 May - 1 Jun 10
Tango Row Clsd until Jan 10
Charlie 10-16 Clsd until Jan 10
Rwy 16/34 Clsd 19 Apr - 15 Oct 10
HS 36 Clsd until 15 Sep 10
C17 Spts 13-16 Clsd until 22 Jul 10
Taxiway M Clsd HS38-HS25 1 May - 22 Jul 10
HS 38/37/26 /13-17 Clsd 1 May - 22 Jul 10
Ops Ramp Spots 6, 7, and 9-12 Clsd until 30 Aug 10
Twy K Clsd btwn HS28-27 ECD: 22 Jul 10
Taxiway E/J/M/U/D1-3/N 34-Elbow /South Loop Clsd 19 Apr - 15 Oct 10
FTE Ramp ETIC 15 Jul 10
FTE Complex ECD: 2012

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Elmendorf AFB Short-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACS/ TEMPORARY OPS
Replace Cables 4/5/6	19 Apr-15 Sep 10	150 day closure of 16/34
Add helipad	Jul 2010	Additional Alert Msn at EDF
176 WG move to EDF	Dec 2010	Increase C-130/HH-60 ops
Rwy 24 Displaced 1700ft	14 May - 1 Jun 10	8700ft avbl for operations
C17 Spots 13-15 Clsd	Jul 10	Limited Large Frame Parking avbl
Twy M Clsd	4 May - 30 Sep	Two Phases
Ops Ramp South	Aug 2010	Limited Transient Parking
Rwy 06/24	2 Weeks Aug/Sep	Rwy 16/34 Avbl
Twy K	22 Jul	Limited to 3Wg acft only

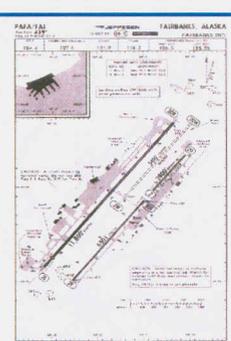
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Elmendorf AFB Long-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACS/ TEMPORARY OPS
Complete Fighter town	Present-2011 7/8 Bay and Ramp Avbl Sep 2010	Primary departure for F-22 off Rwy 34

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Fairbanks International



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Fairbanks International Short-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
Taxiway A rehabilitation	Summer 2010	Occasional twy closures
West ramp rehabilitation	Summer 2010	None
East side access control improvements	Summer 2010	None/GA only
ARFF Re-roof	Summer 2010	None
CNA localizer far-field monitor relocation	May 24-Jun 11, 2010	Rwy 2L CAT I/III N/A Rwy 20R CAT I N/A

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Fairbanks International Long-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
None!		

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Allen Army Airfield



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Allen Army Airfield Short-Term

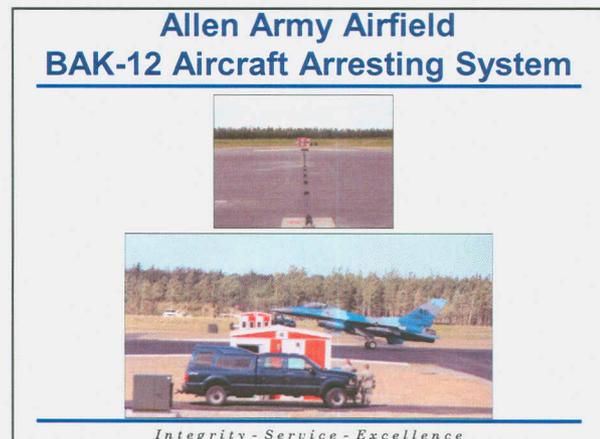
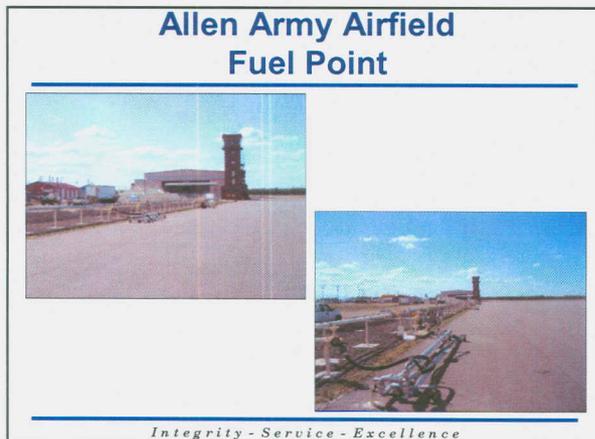
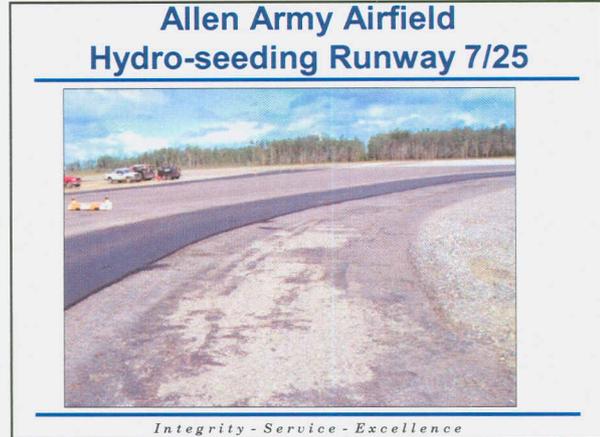
CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
Runway 7/25 Hydro-seeding w/Rhino Snot (Envirotac II)	Summer 2010	None - Summer Completion

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Allen Army Airfield Long-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
None Planned		

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Bryant AAF Short-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
Tower Refurbish/Upgrade	1 February – 20 December	A/F Lighting Sporadic
Relocate Rotating Beacon	Summer 2010	Notam O/S
Hangar 4, HVAC & Floor	1 February – 30 March	Hangar 4 Non-Operational
Hangar 2, Lighting & Floor	30 March – 20 May	Hangar 2 Non-Operational
AWOS Repaired	1 January – 26 January	Operation Limited, Not Certified
Obstacle Mitigation	Summer 2010	None
Passenger Area/Hangar 4	Summer 2009	None
Runway Lighting/New	Summer 2009	None
Taxiway Lighting/New	Summer 2009	None
Wildlife/BASH Program	Summer 2010	None

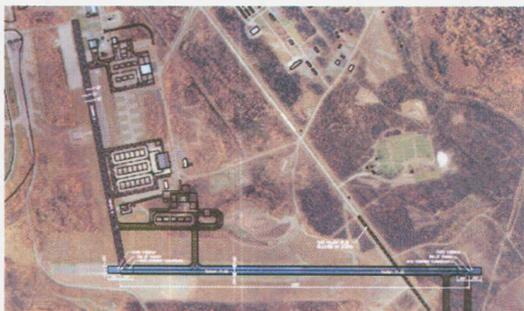
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Bryant AAF Long-Term

CONSTRUCTION PROJECTS / NAVAIDS	CONSTRUCTION PERIOD	EFFECTS/LIMFACs/ TEMPORARY OPS
Runway Resurface	Summer 2011	No F/W Operations
Taxiway Alfa Resurfacing	Summer 2011	No F/W Operations
Area Obstruction Survey	Summer 2011	Minimal
Hangar 6 Addition/Shops	March 2012	Minimal
Airfield Fencing	Summer 2012	Minimal
Hangar 1 Apron/Taxiway	March 2013	Area Closed
Hangar 6 Apron/Taxiway	March 2014	Area Closed
Hangar 4 Parking/Taxiway	March 2015	Area Closed
Aircraft Loading Apron	March 2016	Minimal
Transient A/C Ramp	March 2017	Minimal
Runway Extension	March 2017	No F/W Operations

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Bryant AAF Long-Term

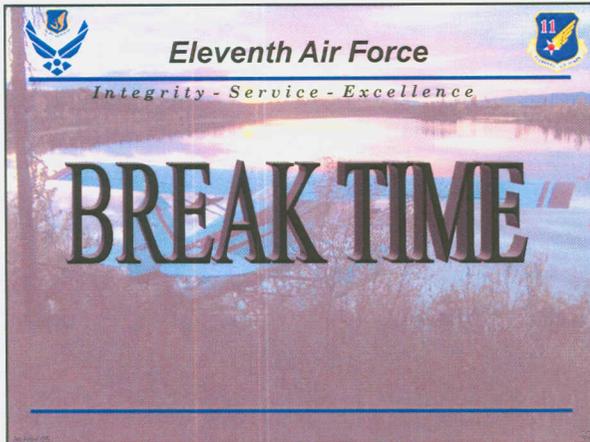


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QUESTIONS?



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Alaska Civil/Military Aviation Council

AIRSPACE UPDATE

Mr. John Crowe
611 AOC/CODK

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Overview

1. Delta MOA Update
2. Military Training Route Update
3. JPARC EIS Update
4. Taskers

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Delta T-MOA

- Charted Delta MOA
 - FAA decision ~ July 2010
 - Activated separately only for MFEs
 - Identical to T-MOA used in 2007 - 2010

SIDE VIEW

FL600
DELTA ATCAA
FL180
PROPOSED DELTA MOA
5000' MSL
BIRCH
500' AGL
7000' MSL
BUFFALO MOA
500' AGL

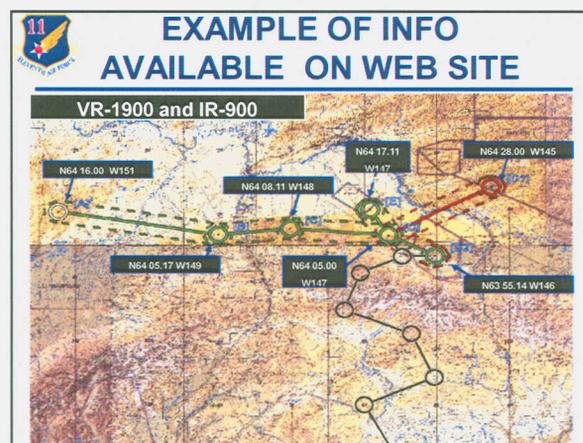
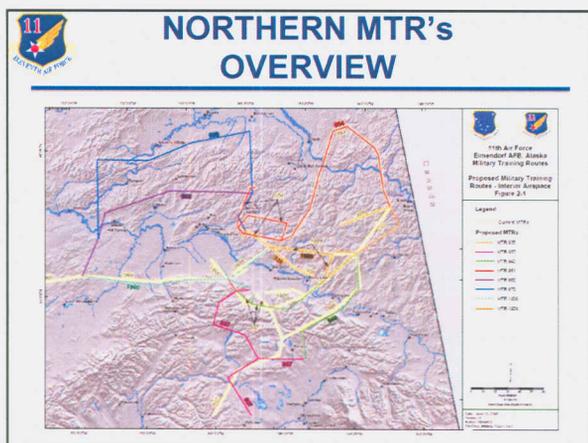
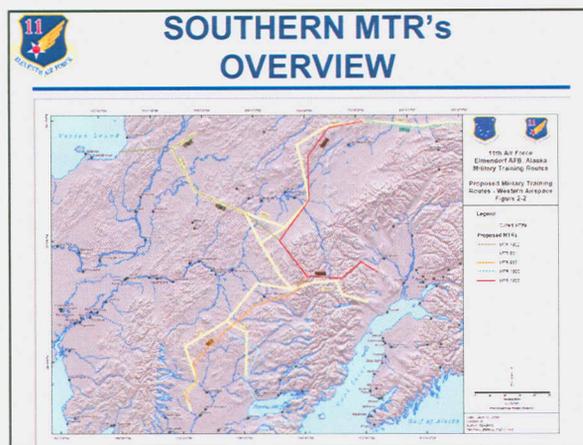
EIELSON AFB DELTA JUNCTION

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Military Training Route (MTR) Update

- Final FAA Package approved in Sep 09
 - Modified MTRs to avoid noise/environmental sensitive areas
 - Extended MTR to coast line on two routes
- Became effective on 17 Dec 09
 - Information available on the Alaska Military Airspace web page www.elmendorf.af.mil then under featured links select "Alaska Airspace Info" and via NOTAM
 - Some routes not accurately reflected on Sectionals until next publishing (4 Jun 2010 for ANC and FAI Sectionals)
 - Remember, MTR lines on map are centerline only, aircraft can be 5nm either side of centerline.

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JPARC EIS

- Umbrella JPARC EIS NOI expected Summer 2010
 - Look at cumulative affects for DoD training activities within Alaska including Military Airspace.
 - Allow for the development/management of DoD training assets to meet the needs of
 - Joint DoD training and exercises
 - New and improved technology
 - Testing requirements
 - Increase in military assets in Alaska
 - New aircraft with enhanced capabilities
 - We are currently defining actions required to fill "Capability Gaps"
 - JPARC Master Plan expected complete in June
- Military is obligated to American people to be good stewards of airspace and integrate our training

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Taskers

- Pamphlets
- IFR Corridor from FAI to Eagle
- GPS Jamming

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QUESTIONS?

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RED FLAG-Alaska

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GPS Jamming for RFA 10-04

Maj Kelly Amedee
Chief, Space and Information
Operations
353d Combat Training Squadron

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Overview

- Jamming Specification for RF-A 10-4
- Effects Plots
- Objectives
- Jamming ROE
- Cease Buzzer Procedures
- Clarifications – NOTAMS vs actual affects



GPS Jamming Specifications

Number of Transmitters	1-4 (may be on simultaneously)
Transmit Frequencies	GPS L1 (1575.42 MHz) and L2 (1227.6 MHz)
Operator Bandwidth for each transmitter	0-20 MHz for each carrier
Signal Type	Bi-phased Shift Keyed (BPSK)
Signal Duty Cycle	1:1
Pulse Repetition rate	Not pulsed
Tone Spacing	N/A
Power input to antenna(s)	Up to 21 dbw (includes 2dB of cable loss to antenna)
Modulation/coding techniques	2 MHz BPSK with noise
Antenna Specifications	See slide 4
Site Elevation	Less Than 3,000 feet MSL
Antenna Height (AGL)	No greater than 12 ft
Pointing Az/EI for each Antenna	Varying Az between 0 and 180 degrees
Coordinates for each antenna	See Slide 5
Ground Track Pattern	All Transmitters are ground-based



Antenna Specifications

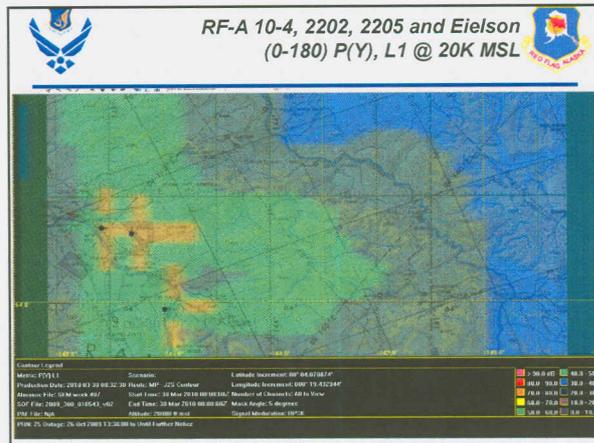
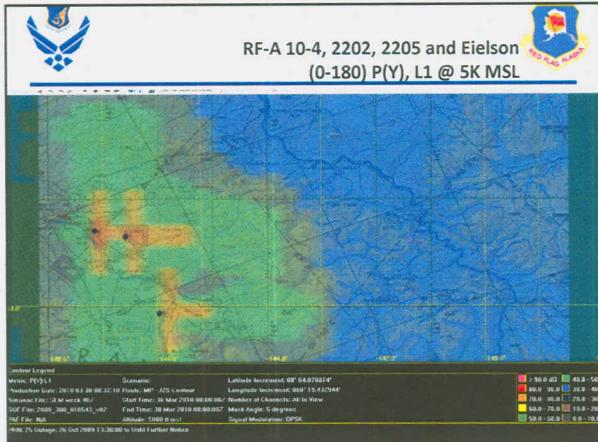
Type	Polarity	Main Beam Gain (Dbi)	Pattern (AZ X EI deg)
Disc Cone	RHC	3	360 x 90
Biconical	Vertical	4	360 x 60
Flat Spiral	RHCI	7	65 x 65
Biconical Reflector	Horizontal	10	45 x 120
Biconical Reflector	Vertical	10	120 x 45
Helical	RHC	14.5	30 x 30



Coordinates of each Antenna

Northern Container		Southern Container	
SW Corner	- N64 34 00 W146 48 00	SW Corner	- N63 49 00 W145 58 00
NW Corner	- N64 39 00 W146 48 00	NW Corner	- N63 56 00 W145 58 00
NE Corner	- N64 39 00 W146 35 00	NE Corner	- N63 56 00 W145 45 00
SE Corner	- N64 34 00 W146 39 00	SW Corner	- N63 49 00 W145 45 00

Eielson AFB Container	
SW Corner	- N64 38 00 W146 48 00
NW Corner	- N64 42 00 W147 09 00
NE Corner	- N64 42 00 W147 04 00
SE Corner	- N64 38 00 W147 01 00



GPS Objectives

- Primary Objectives
 - **Blue Force** – Find, Fix, Target, Track, Attack and Assess effects against Time Sensitive Targets
 - **Red Force** – Provide realistic denial of GPS navigation and timing signals by emulating validated threat
- Jamming Length
 - A minimum of 30 minutes but not to exceed 2 hours

Jamming ROE

- Safety is paramount
- Jam only during coordinated times
 - NOTAMS will specify times
 - Found in Center NOTAMS and Eielson Local
- Jam Command and Control requires positive communications
 - Adversary Space Mission Commander ensures C2
 - Co-located with White Force mission director
 - Co-located with Senior FAA tech advisor @ Eielson AFB
 - Multiple communication methods with jam teams
 - “Cease Buzzer” procedures thoroughly briefed/executed
 - 527 SAS will call SUAS control prior to each push with exact locations for that day and daily plot

Any Safety Issue = Jam Off

 **Cease Buzzer Procedures** 

- Anyone can make a "cease buzzer" call
 - Radio
 - Range Control Frequencies VHF = 125.3, UHF = 229.4
 - GUARD (UHF 243.0/ VHF 121.5)
 - Telephone
 - Red Flag-Alaska White Force Control Center
 - DSN 377-3125
 - Co-located with Adversary Space Mission Commander
 - Co-located with PARC Range Control
 - SUAS/Noise Complaint Line
 - 1-800-758-8723

 **Clarifications** 

- At RF-N on the NTTR, the 527th routinely see effects on the civilian code at about 70 nm from the jammer to the aircraft at about 20k MSL
- The NOTAM is determined by the FAA,
 - They use the RPM analysis (GPS-effect prediction software), prior experience and our EA request
 - RPM is the only prediction model accepted by the FAA per CJCSM guidance. That being said, the results it produces are on the cautious side

QUESTIONS?

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OPEN FORUM

