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DEPARTMENT OF THE AIR FORCE

WASHINGTON, DC 20330-1000



OFFICE OF THE ASSISTANT SECRETARY

23 AUG 2004

MEMORANDUM FOR RECORD

SUBJECT: Minutes of Air Force Base Closure Executive Group (AF/BCEG) Mtg, 12 Aug 2004.

Maj Gen Heckman called the meeting to order at 0830, the Pentagon, Room 5C279. The meeting was deliberative on metrics. Attendance is at Atch 1. He previewed the agenda and reviewed the calendar (Slides 2-4). [REDACTED] briefed BCEG Action Items (Slide 5).

In deliberative session the BCEG discussed the way ahead for Criteria 6-8. [REDACTED] introduced metric review by criterion to start the deliberative session. Subject matter experts addressed individual questions, organized by MCI (Slide 11), for deliberation by the BCEG with the following results:

Criterion 1:

- Line of Sight (Slides 13-14) metric approved as modified: Azimuth Restriction 0-360 linear, Elevation Restriction 0-90 linear
- Population Density (Slides 15-16) approved
- ATC Restrictions (Slides 17-18) approved as modified: Linear - 0 to largest % delay
- Airfield Elevation (Slides 19-20) approved as modified: Linear from 0
- Restricted Airspace (UAV Flight Ops) (Slides 21-22) deferred to BCWG for re-attack
- Distance to Airspace (Special Use) (Slides 23-26) deferred to BCWG for re-attack
- Distance to Low Level Rtes (Slides 27-28) approved
- Distance to DZ/LZ (Slides 29-30) deferred for re-attack
- Frequency Spectrum Access (Slide 31) approved
- Aux Airfields within 50NM (Slides 32-33) approved
- Prevailing Installation WX (Slide 34-35) approved subject to linear metric
- Installation Crosswinds (Slides 36-37) deferred to BCWG for re-attack
- Distance to City > 100K (Slides 38-39) deferred to JPAT 7 for re-attack

Criterion 2:

- Fuel Hydrants (Slide 41) approved
- Ramp Area/Serviceability (Slides 42-46) deferred to BCWG for re-attack to achieve consistency across MCIs
- Bandwidth for Space Ops (Slides 47-48) approved
- Supersonic Airspace (Slide 49) approved
- Level of Encroachment (Slides 50-54) deferred to BCWG for re-attack
- Buildable Acres (Slide 55) approved subject to verification of 250 as dividing line
- Ability to Hangar (Slides 56-57) approved with update to range values 6 to 24

The review of Criterion 2 Metrics was not completed and the remainder Criterion 2 data was deferred until August 17. Whereupon the deliberative session concluded after consideration of the agenda (Slide 58). The next BCEG meeting is scheduled for 17 Aug 2004 at 0830 in Pentagon Room 5C279. The meeting adjourned at 1200.



SAF/GCN
BCEG Recorder

The minutes above are approved.

Handwritten signature of Gerald F. Pease, Jr.

GERALD F. PEASE, JR.
SAF/IEB
Co-Chairman

Handwritten signature of Gary W. Heckman.

GARY HECKMAN, Maj Gen, USAF
AF/XP (BRAC)
Co-Chairman

Attachments:
As Stated



Base Closure Executive Group Attendance

Date: 12 Aug 04

Chairs

- Mr. Fred Pease
- Maj Gen Gary Heckman

**Voting members are underlined

Primary Members

Alternate Members

Representatives

- BG William Holland
- Brig Gen Hanferd Moen
- Brig Gen Tony Haynes
- Mr. Fred Kuhn
- Ms Kathy Ferguson
- Mr. Matt Mleziva
- Mr. Douglas Heady*
- Mr. Jay Jordan
- Mr. William Kelly
- Ms. Maureen Koetz

- Brig Gen Mike Lynch
- Brig Gen Ethridge
- BG Butler
- [REDACTED]
- Ms Cathy Sparks
- [REDACTED]
- [REDACTED]
- [REDACTED]
- Brig Gen William Ard
- [REDACTED]

- Brig Gen Dichter
-
-
-
-
-
-
-
- [REDACTED]
-

* Temporary appointment

Others

[REDACTED]

Briefers

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Headquarters U.S. Air Force

Integrity - Service - Excellence

BCEG



12 Aug 04

U.S. AIR FORCE



Agenda

12 Aug 04

0830-0845	Opening Business	Co-chairs
	<i>Calendar</i>	
	<i>Action Items</i>	
0845-0900	Criteria 6-8	AF/ILE
0900-1000	MCI Metrics	Functional Reps
	-- Break --	
1015-1145	MCI Metrics (cont'd)	Functional Reps
	-- Lunch --	
1245-1400	MCI Metrics (cont'd)	Functional Reps



BCEG Schedule August

August BCEG Meetings						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		3 BCEG 0830-1200	4	5 BCEG 0830-1200		
		10 BCEG 0830-1200	11	12 BCEG 0830-1400	13 MCI metrics (deliberative)	14
		17 BCEG 0830-1200	18	19 BCEG 0830-1200	20 MCI weights, metrics (deliberative)	21
22	23 AMC 1300-1430	24 ANG 0900-1100 ACC 1200-1500	25 AFRC 0900-1100 PACAF 1300-1500 AFMC 1500-1700	26 AFSPC 1230-1430	27 ANG 0830-1000 ACC 1200-1500	28
		31 BCEG 0830-1200				

- AF JCSG Principals
- Question metrics
- Scenarios for ISG
- ARC MCI
- MCI metrics
- Scenario Queuing (AFSAA)
- MAJCOM week prep
- Scenario process
- Scenario tutorial
- ISG update
- AF JCSG Principals
- 2025 Force Structure
- Criteria 6-8



BCEG Schedule Sep – Dec

Sep BCEG Meetings						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 ISG 1030-1200	4	
5 Labor Day		9 BCEG: Capacity Analysis	10 ISG 1030-1200	11		
12		16 AFSAA: Cueing Tool Dry Run	17 ISG 1030-1200	18		
19		23 BCEG: Analytical Model Tutorial	24 ISG 1030-1200	25		
26		30 BCEG: JCSG Scenario Briefings				

Oct BCEG Meetings						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 ISG 1030-1200	2
3	4 BCEG: Review Initial MCI Output				8 ISG 1030-1200	9
10 Columbus Day		16 BCEG: Initial Scenario Cueing			15 ISG 1030-1200	16
17		23 BCEG: JCSG Concept Cross-checks			22 ISG 1030-1200	23
24/31	25	26	27	28	29 ISG 1030-1200	30

Nov BCEG Meetings						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 BCEG: Scenario Candidates			5 ISG 1030-1200	6
7	8 JCSG Updates				12 ISG 1030-1200	13
14	15 JCSG Scenarios Complete	16 Day	17	18 ISG 1030-1200	19	20
21	22	23	24	25 Thanksgiving	26	27
28	29	30				

Dec BCEG Meetings						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 Scenarios and Recommendations	3 ISG 1030-1200	4
5	6				10 ISG 1030-1200	11
12	13	14 AF Recommendations Complete	15	16 ISG 1030-1200	17	18
19	20	21	22	23	24 Christmas	25
26	27	28	29	30	31	



BCEG Action Items

<u>Action</u>	<u>OPR</u>	<u>Susp.</u>	<u>To</u>
JCSG capacity II	IEB	2 Aug (ECD: 26 Aug)	OSD
Recommendation on Criteria 6-8	ILE	10 Aug (ECD: 24 Aug)	BCEG
AF and JCSG MV	IEB	16 Aug	OSD
ACI Staff Coordination Complete	RE	17 Aug	BCEG
MCI complete	BCWG	19 Aug	BCEG
JAST	IEB	7 Sep	OSD
JCSG MV (tech. and intel)	IEB	13 Sep	OSD

Purple: data calls



Agenda 12 Aug 04

0830-0845	Opening Business	Co-chairs
	<i>Calendar</i>	
	<i>Action Items</i>	
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0900-1000	MCI Metrics	<i>Functional Reps</i>
	-- Break --	
1015-1145	MCI Metrics (cont'd)	<i>Functional Reps</i>
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1245-1400	MCI Metrics (cont'd)	<i>Functional Reps</i>

Headquarters U.S. Air Force

Integrity - Service - Excellence



U.S. AIR FORCE

Criteria 6-8 Way Ahead

AF/ILE
12 Aug 04



Deliberative Session (Principals only please)

Integrity - Service - Excellence



Agenda 12 Aug 04

0830-0845	Opening Business	Co-chairs
	<i>Calendar</i> <i>Action Items</i>	
0845-0900	Criteria 6-8	<i>AF/ILE</i>
0900-1000	MCI Metrics	<i>Functional Reps</i>
	-- Break --	
1015-1145	MCI Metrics (cont'd)	<i>Functional Reps</i>
	-- Lunch --	
1245-1400	MCI Metrics (cont'd)	<i>Functional Reps</i>



Purpose

- **Present Question Metrics (deliberative)**
 - **Criterion 1**
 - **Criterion 2**
 - **Criterion 3**
 - **Criterion 4**



Questions by MCI

Question	Crit	SOE/CSAR	Fighter	Bomber	UAV/ UCAS	C2ISR	Tanker	Airlift	Space Ops
Line-of-sight encroachment	1								X
Population density impact on USAF mission	1								X
ATC restrictions to operations	1	X	X	X	X	X	X	X	
Airfield elevation	1	X			X				
Airspace to support unmanned aerial vehicle flight operations	1				X				
Distance to airspace supporting (mission type) operations	1	X	X	X	X				
Distance to low level routes supporting (mission type) operations	1	X	X	X				X	
Distance to DZ/LZ/AR track available to suit (mission type) operations	1	X						X	
Frequency spectrum access to support C2ISR operations	1				X	X			X
Suitable auxiliary airfields within 50NM of the installation.	1		X						
Prevailing installation weather conditions	1	X	X		X				
Installation crosswind conditions	1				X				
Distance to nearest city >= 100,000	1							X	X
Can fuel hydrant systems support (mission type) growth?	2			X		X	X	X	
Ramp area and serviceability	2	X	X	X	X	X	X	X	
Runway dimension and serviceability	2	X	X	X	X	X	X	X	
Available bandwidth to support space operations	2								X
Access to adequate supersonic airspace	2		X	X	X				
Level of mission encroachment	2	X	X	X	X	X	X	X	X
Ability to hangar permanently-based F-15 sized aircraft	2		X		X				
Certified Weapons Storage Area	2		X	X					
Does the installation have sufficient parking spots sited to load and arm weapons for (mission type) operations?	2	X	X	X	X				
Does the installation have sufficient munitions storage to support (mission type) operations?	2	X	X	X	X				
Can installation pavements support (mission type) ops?	2	X	X	X	X	X	X	X	
Can drop/landing zones support installation (mission type) operations?	2	X			X			X	
Does the range complex support (mission type) training?	2	X	X	X	X				
Does the range complex support joint (mission type) training?	2	X	X	X	X				
Attainment/Emission budget growth allowance	3	X	X	X	X	X	X	X	X
Buildable acres to support industrial operations growth	3	X	X	X	X	X	X	X	X
Buildable acres to support air operations mission growth	3	X	X	X	X	X	X	X	
Buildable acres (space)	3								X
Available installation bandwidth	3					X			X
Fuel dispensing rate to support mobility and surge operations	3	X	X	X		X	X	X	
Installation ability to support large-scale mobility deployments	3	X	X	X	X	X	X	X	
Area cost factor	4	X	X	X	X	X	X	X	X
Utilities cost rating (U3C)	4	X	X	X	X	X	X	X	X
BAH rate	4	X	X	X	X	X	X	X	X
GIS locality pay	4	X	X	X	X	X	X	X	X



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CRITERION 1 QUESTIONS



Line of Sight Encroachment

OPR: XO Status: **Deliberative**

Tracking #: 1210

Metric Type: Piecewise Linear/Binary

Metric Value: Azimuth Restrictions (deg), Elevation Restrictions (deg), and Transmission Restrictions (Y/N)

Azimuth Restrict	Score
None	100
0-60	Linear
>60	0
33%	

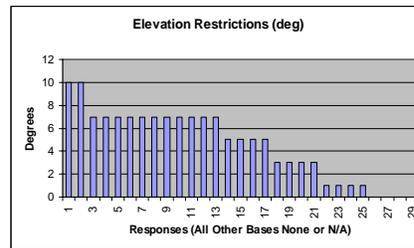
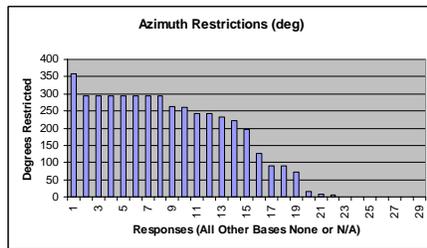
Elev Restrict	Score
None	100
0 – 5.0 deg	Linear
>5.0 deg	0
33%	

Trans Restrict	Score
None	100
Any	0
34%	

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Line of Sight Encroachment



31 "Yes" Responses for Antenna Transmission Frequency Restrictions





Population Density on Ops

OPR: XO Status: **Deliberative**

Tracking #: 1226

Metric Type: Piecewise Linear

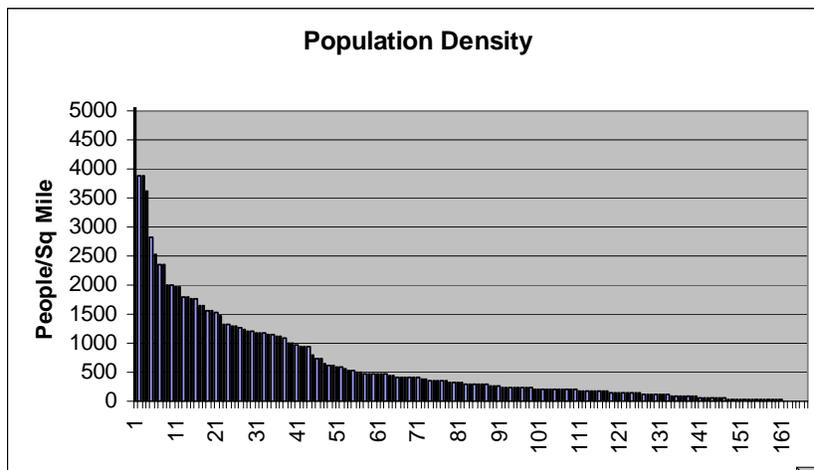
Metric Value: 2000 Census Population Density (Per/Sq mile)

Pop Density	Score
<500	100
500 – 1000	Linear
>1000	0

<input type="checkbox"/> Fighter	<input type="checkbox"/> Tanker	<input type="checkbox"/> Airlift	<input type="checkbox"/> UAV/UCAS	Conforms? <input checked="" type="checkbox"/>
<input type="checkbox"/> Bomber	<input type="checkbox"/> C2ISR	<input type="checkbox"/> SOF/CSAR	<input checked="" type="checkbox"/> Space	Discriminates? <input checked="" type="checkbox"/>



Population Density on Ops





ATC Restrictions to Ops

OPR: XO Status: **Deliberative**

Tracking #: 1242

Metric Type: Piecewise Linear

Metric Values: Percentage of Departures ATC Delayed

Delays (%)	Score
None	100
0 - 5.0	Linear
>5.0	0

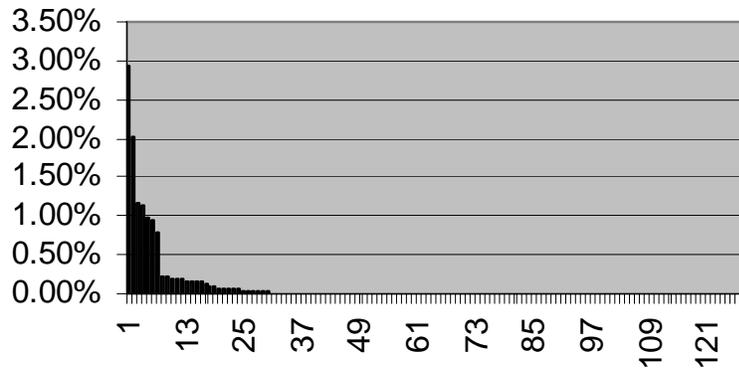
Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



ATC Restrictions to Ops

Percentage Delayed for ATC (%)





Airfield Elevation

OPR: XO Status: **Deliberative**

Tracking #: 1243

Metric Type: Piecewise Linear

Metric Value: Elevation (ft MSL)

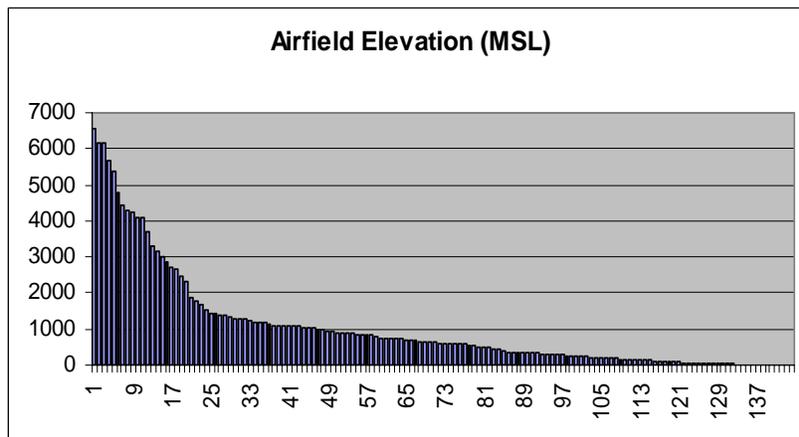
SOF/CSAR	
Elev	Score
0-1500	100
1501-4500	Linear
>4500	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Airfield Elevation





Restricted Airspace (UAV Flight Ops)

OPR: **XO** Status: **Deliberative**

Tracking #: 1244

Metric Type: Piecewise Linear

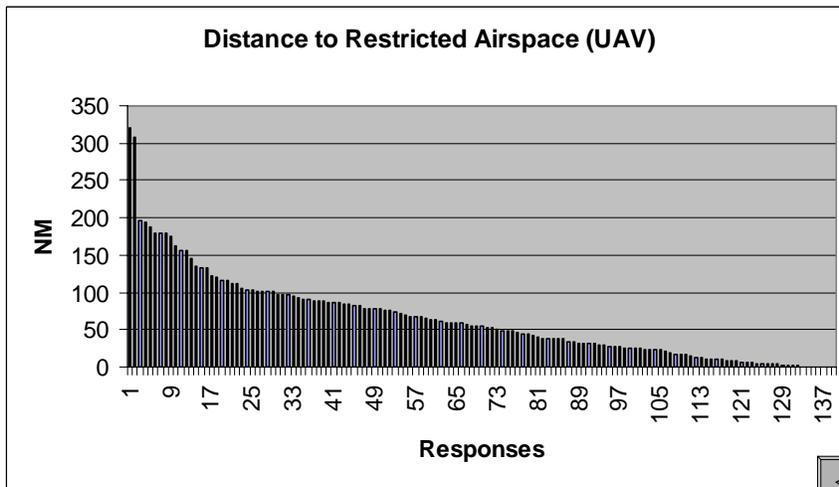
Metric Value: Proximity to Restricted Airspace

UAV/UCAS	
NM	Score
0	100
1-250	Linear
>250	0

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Restricted Airspace (UAV Flight Ops)





Distance to Airspace Supporting (Msn Type) Ops

OPR: **XO** Status: **Deliberative**

Tracking #: 1245

Metric Type: Piecewise Linear

Metric Value: Distance to Special Use Airspace

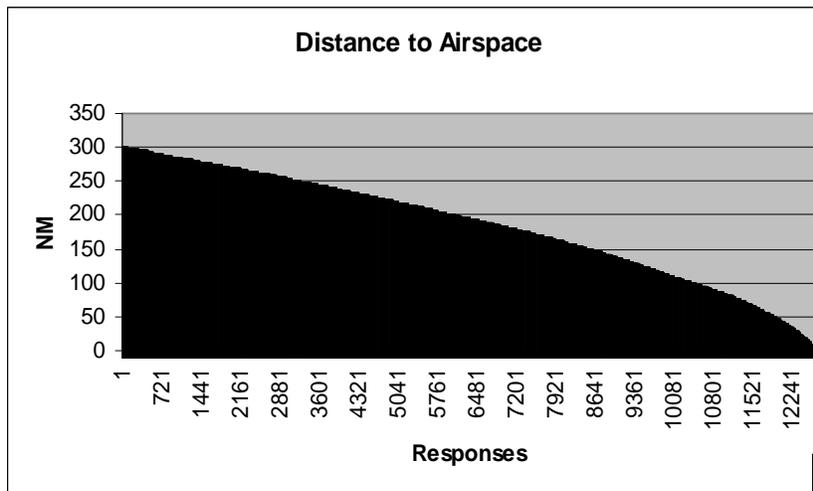
FIGHTER		BOMBER		SOF/CSAR		UAV/UCAS	
NM	Score	NM	Score	NM	Score	NM	Score
<50	100	<200	100	0	100	0	100
50-150	Linear	>200-300	Linear	1-35	Linear	1-250	Linear
>150	0	>300	0	>35	0	>250	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Distance to Airspace Supporting (Msn Type) Ops





Distance to Airspace

Supporting (Msn Type) Ops (2 of 2)

OPR: XO Status: **Deliberative**

Tracking #: 1245.1

Metric Type: Piecewise Linear

Metric Value: Distance to aerial refueling orbit

Tanker / C2ISR	
NM	Score
<250	100
250-850	Linear
>850	0

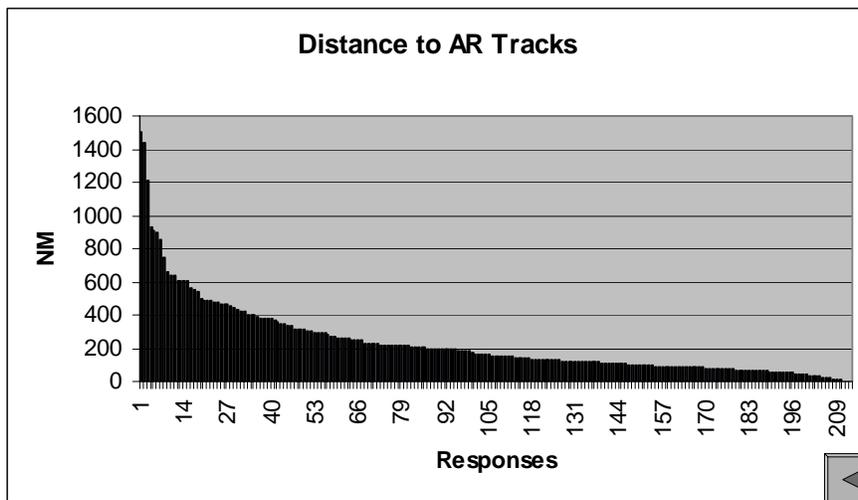
Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Distance to AR Track

for (Msn Type) Ops





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Distance to Low Level Rtes Supporting (Msn Type) Ops

OPR: **XO** Status: **Deliberative**

Tracking #: 1246

Metric Type: Piecewise Linear

Metric Value: Distance to Primary Route Entry/Exit Points

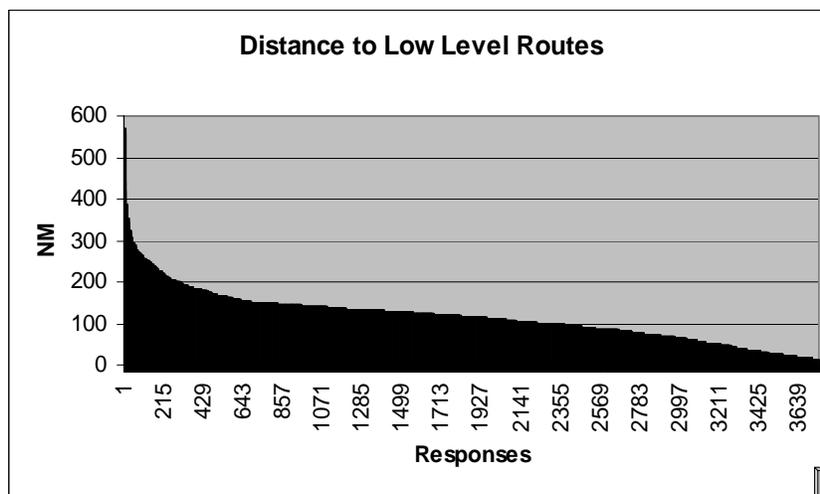
FIGHTER		BOMBER		SOF/CSAR		AIRLIFT	
NM	Score	NM	Score	NM	Score	NM	Score
<50	100	<200	100	0	100	<50	100
50-150	Linear	200-300	Linear	1-35	Linear	50 -150	Linear
>150	0	>300	0	>35	0	>150	0

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



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Distance to Low Level Rtes Supporting (Msn Type) Ops





Distance to DZ/LZ for (Msn Type) Ops

OPR: **XO** Status: **Deliberative**

Tracking #: 1248

Metric Type: Piecewise Linear

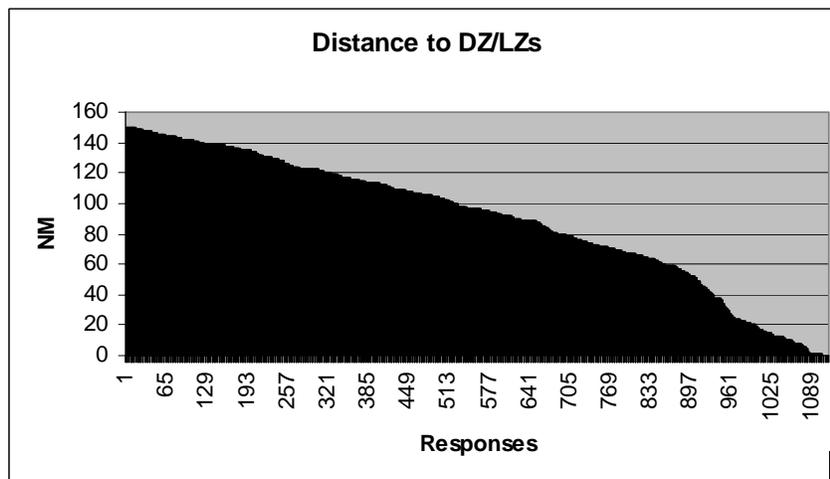
Metric Values: Distance to drop/landing zones available to suit
(mission type) operations w/in 150NM

Airlift		SOF/CSAR	
NM	Score	NM	Score
<50	100	0	100
50-150	Linear	1-35	Linear
>150	0	>35	0

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Distance to DZ/LZ for (Msn Type) Ops





Frequency Spectrum Access

OPR: XO Status: **Deliberative**

Tracking #: 1251

Metric Type: Binary (Cumulative)

Metric Value: Band Degrades/Restrictions (L, S, C, X, Ku)

L Band	No (100)	Yes (0)	20%
S Band	No (100)	Yes (0)	20%
C Band	No (100)	Yes (0)	20%
X Band	No (100)	Yes (0)	20%
Ku Band	No (100)	Yes (0)	20%

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Aux Airfields within 50NM

OPR: XO Status: **Deliberative**

Tracking #: 1270

Metric Type: Step

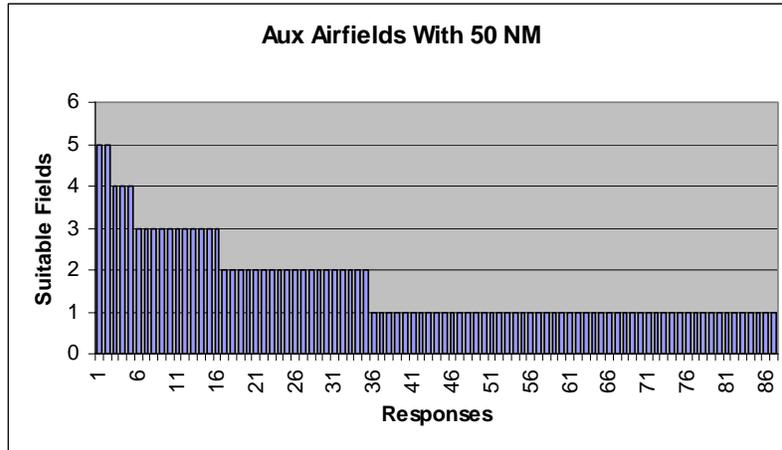
Metric Value: Number of Aux Airfields Within 50NM

# Fields	Score
≥3	100
2	75
1	50
0	0

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Aux Airfields within 50NM



Prevailing Installation WX

OPR: XO Status: **Deliberative**

Tracking #: 1271

Metric Type: Step

Metric Value: Days Visibility Greater than 3NM/3,000ft

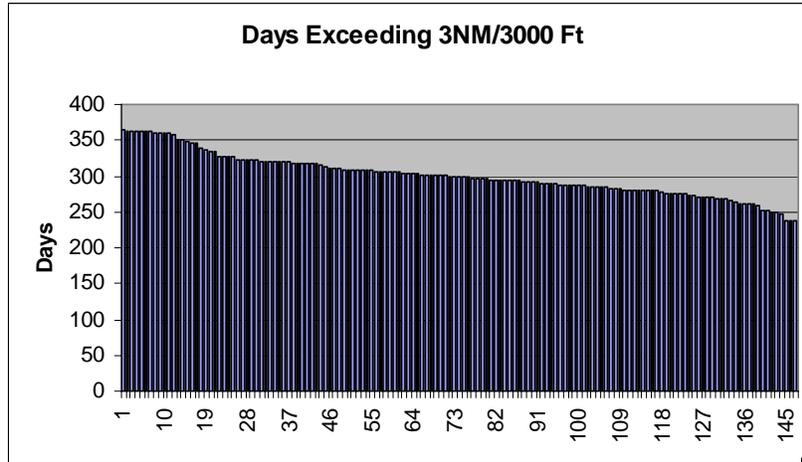
FIGHTER		SOF/CSAR		UAV/UCAS		BMBR / ALFT	
Days	Score	Days	Score	Days	Score	Days	Score
>300	100	>300	100	>345	100	>250	100
250-300	Linear	250-300	Linear	250-345	Linear	125-250	Linear
<250	0	<250	0	<250	0	<125	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Prevailing Installation WX



Installation Crosswinds

OPR: XO Status: **Deliberative**

Tracking #: 1272

Metric Type: Step

Metric Value: Days per year with crosswinds greater than 15 Kts

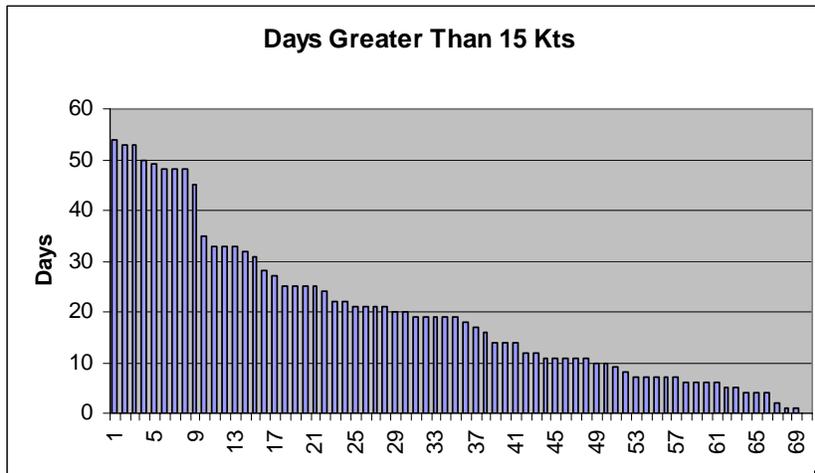
Days	Score
< 7	100
7 - 28	Linear
> 28	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Installation Crosswinds



Distance to City >100K

OPR: XO Status: **Deliberative**

Tracking #: 1412

Metric Type: Binary/Step

Metric Value: Distance to nearest city with population >100,000

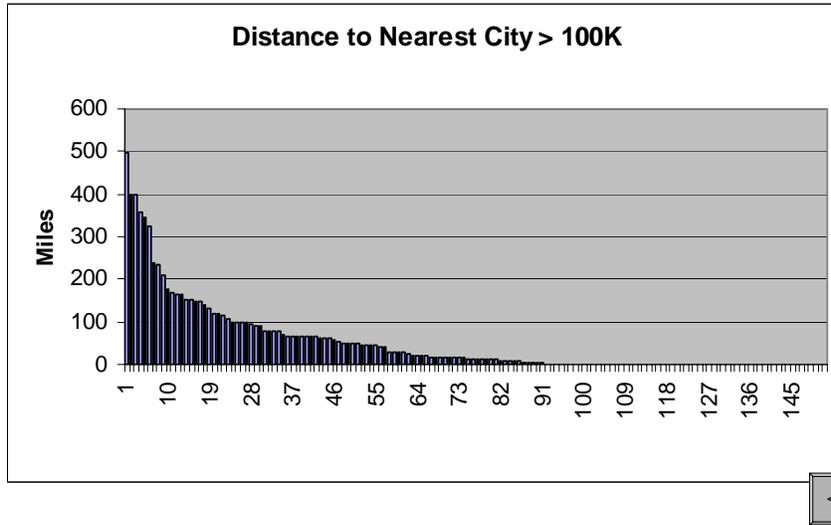
Airlift		Space	
SM	Score	SM	Score
0	100	>20	100
1 - 150	Linear	1 - 20	Linear
>150	0	0	0

Fighter
 Tanker
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 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Distance to City >100K



CRITERION 2 QUESTIONS



Fuel Hydrants to Support (Mission Type) Growth

OPR/OCR: **ILG/XO** Status: **Deliberative**

Tracking #: 1

Metric Type: Step/Linear

Metric Value: Hydrant system type & number of refueling points

Hydrant System (Y/N)	Score
Type III	100
Type I or II	75
Type IV/V	25
No Type I, II, III, IV, V	0

20%

Refueling Pts	Score
≥ 24	100
1 - 23	Linear
0	0

80%

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Ramp Area/Serviceability

OPR/OCR: **XO/ILE** Status: **Deliberative**



Tracking #: 8

Metric Type: Step

Metric Value: Sq Yardage by MDS and Ramp Area serviceable

BOMBER	
SY (1,000)	Score
>258	100
199-258	66
190-198	33
<190	0

FIGHTER	
SY (1,000)	Score
>468	100
234-468	66
117-233	33
< 117	0

SOF/CSAR	
SY(1,000)	Score
>478	100
359-478	66
239-358	33
<239	0

UAV/UCAS	
SY(1,000)	Score
>210	100
144-210	66
24-143	33
<24	0

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Ramp Area/Serviceability (Con't)

OPR/OCR: **XO/ILE** Status: **Deliberative**

Tracking #: 8

Metric Type: Step

Metric Value: Sq Yardage by MDS *and* Ramp Area serviceable

AIRLIFT		TANKER		C2ISR	
SY(1,000)	Score	SY(1,000)	Score	SY(1,000)	Score
>1,039	100	>425	100	>212	100
519-1,039	50	212-425	50	141-211	66
<519	0	<212	0	71-140	33
				<71	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Bomber
 C2ISR
 SOF/CSAR
 Space

Conforms?
Discriminates?



Runway Dimensions

OPR/OCR: **XO/ILE** Status: **Deliberative**

Tracking #: 9

Metric Type: Binary/Piecewise Linear

Metric Value: Length, xxx ft wide, *and* Runway is serviceable

Bomber (200 ft W)		Fighter (150 ft W)		SOF/CSAR		UAV/UCAS	
Length	Score	Length	Score	Length	Score	Length	Score
≥12000	100	>8000	100	>10000	100	>8000	100
10-12000	Linear	<8000	0	8-10000	Linear	5-8000	Linear
<10000	0			<8000	0	<5000	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Bomber
 C2ISR
 SOF/CSAR
 Space

Conforms?
Discriminates?



Runway Dimensions (Con't)

OPR/OCR: **XO/ILE** Status: **Deliberative**

Tracking #: 9

Metric Type: Binary/Piecewise Linear

Metric Value: Length, xxx ft wide, and Runway is serviceable

Airlift (150 ft W)	
Length	Score
>11000	100
7-11000	Linear
<7000	0

Tanker (150 ft W)	
Length	Score
>12000	100
7-12000	Linear
<7000	0

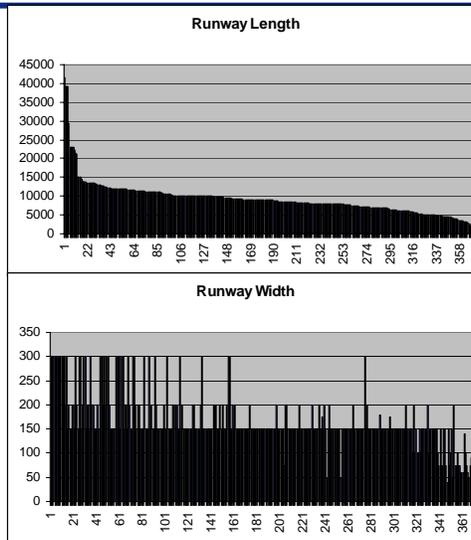
C2ISR (300 ft W)	
Length	Score
>11000	100
8-11000	Linear
<8000	0

Fighter
 Tanker
 Airlift
 UAV/UCAS
 Conforms?

Bomber
 C2ISR
 SOF/CSAR
 Space
 Discriminates?



Runway Dimensions





Bandwidth for Space Ops

OPR/OCR: XO/ILC Status: **Deliberative**

Tracking #: 27

Metric Type: Piecewise Linear

Metric Value: Installation T1 Lines, Aggregate Bandwidth (TB)

# T1 Lines	Score	Agg Bw (TB)	Score
≥ 20	100	≥ 10	100
1-19	Linear	0-9.99	Linear

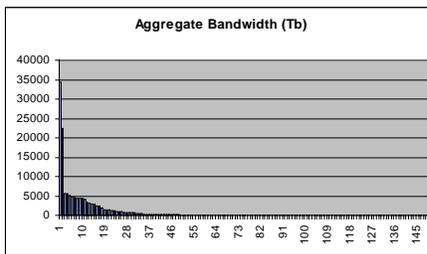
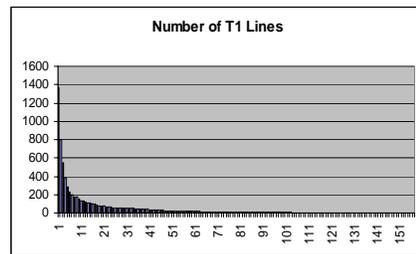
50%

50%

<input type="checkbox"/> Fighter	<input type="checkbox"/> Tanker	<input type="checkbox"/> Airlift	<input type="checkbox"/> UAV/UCAS	Conforms?	<input checked="" type="checkbox"/>
<input type="checkbox"/> Bomber	<input type="checkbox"/> C2ISR	<input type="checkbox"/> SOF/CSAR	<input checked="" type="checkbox"/> Space	Discriminates?	<input checked="" type="checkbox"/>



Bandwidth for Space Ops





Supersonic Airspace

OPR: XO Status: **Deliberative**

Tracking #: 1203

Metric Type: Linear / Binary (Cumulative)

Metric Value: Ops Hours and airspace volume

1. Operating Hours	24 > and ≤ 6	Linear	} → 50%
2. F-15: Airspace Vol ≥2,100NM ² and 20,000' altitude block	Y (100) N (0)	20	
3. JSF Min: ≥ 80x40NM and altitude block ≥30,000'	Y (100) N (0)	40	
4. F/A-22 Min: ≥100x50NM and altitude block ≥30,000'	Y (100) N (0)	60	
5. JSF Prefers: ≥100x60NM and altitude block ≥30,000'	Y (100) N (0)	80	
6. F/A-22 Prefers: ≥150x80NM and altitude block ≥30,000'	Y (100) N (0)	100	

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Level of Encroachment

OPR: XO Status: **Deliberative**

Tracking #: 1207-1209

Metric Type: Step/Binary (Cumulative)

Metric Value: Calculated based on:

- a) Yes/No score for community assistance w/ zoning (#1209)
- b) % acres incompatibly zoned for residential (#1208)
- c) % Total acres in CZ, APZ I, APZ II (#1207)

Roll-Up Weighting - Did 1207, 1208, & 1209 apply to the installation?

- 1209 applies: 1209 score = Total score
- 1208 & 1209 apply: (1208 score * 50%)+(1209 score * 50%) = Total score
- All 3 apply: (1207 score * 30%)+(1208 score * 30%)+(1209 score * 40%) = Total score

Fighter Tanker Airlift UAV/UCAS Conforms?
 Bomber C2ISR SOF/CSAR Space Discriminates?



Encroachment--Rollup

Part 4: Determining the Final Score

Determine Weighting - Did 1207, 1208, & 1209 apply to the installation?

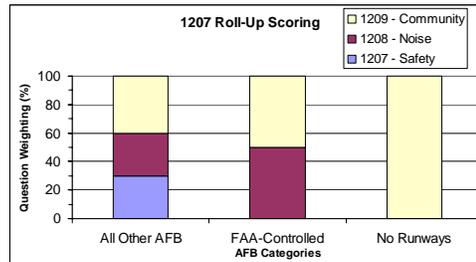
All 3 apply: (1207 score * 30%)+(1208 score * 30%)+(1209 score * 40%) = total score

1208 & 1209 apply: (1208 score * 50%)+(1209 score * 50%) = total score

1209 applies (i.e., no runways/flying mission): 1209 score = total score

Rationale

The rationale for the 1207 roll-up scoring is based on whether or not the base a-has a runway and b-is on a FAA or Navy-controlled airport. If the base does not have runways, it is only responsible for answering Question 1209 and is therefore judged only by that question. FAA-controlled airports do not have safety zones, and are therefore not required to answer Question 1207, using a 50%/50% scoring between 1208 and 1209 instead. Navy-controlled airports have non-standard safety zones based on Navy methodology, and are therefore also evaluated only by 1208 and 1209. All other AFBs are evaluated 30%/30%/40% for 1207, 1208, and 1209, respectively. This percentage was chosen because 1209 can more greatly influence the potential development than can 1207 and 1208.



1207 Scoring

Part 1: Question 4.1207 - CZ, APZ I, & APZ II Incompatible Zoning

Step 1- Determine Applicability - Is the installation on a Public-Use Airport or does not have a runway?

Yes = Question does not apply. Move on to Question 4.1208 (Part 2).

No = Question applies, proceed to Step 2.

Step 2 - Convert to % Acres Incompatibly Zoned

Divide Col 6/Col 3 for % acres incompatibly zoned in the CZ

Divide Col 7/Col 4 for % acres incompatibly zoned in the APZ I

Divide Col 8/Col 5 for % acres incompatibly zoned in the APZ II

If installation responds "N/A" or "None" for Cols 6, 7, or 8, % = 0%

Step 3 - Determine Score

Zone	Result	Metric Score	Question Score
CZ	0-5%	100	60
CZ	>5% or N/Z	0	0
APZ I	0-10%	100	26
APZ I	>10-20% or N/Z	50	13
APZ I	>20%	0	0
APZ II	0-15%	100	14
APZ II	>15-30% or N/Z	50	7
APZ II	>30%	0	0

Rationale

The rationale for the scoring is based roughly on the 1995 BRAC metrics, and modified to be more lenient and show greater differentiation between bases. Each of the metrics (CZ, APZ I, APZ II) are based on a score of 0-100. This score is then weighted relative to the importance of having compatible zoning. The CZ experiences roughly 2.5 times the number of accidents of APZ I, and APZ I experiences roughly 2 times the number of accidents of APZ II. The roll-up score for the question shows this by giving the CZ a maximum score of 60 points, APZ I a maximum of 26 points, and APZ II a maximum of 14 points.





1208 Scoring

Part 2: Question 4.1208 - Noise Incompatible Zoning

Step 1 - Determine Applicability 1 - Does the installation not have a runway (i.e., no flying mission)?

Yes = Question does not apply. Move on to Question 4.1209 (Part 3).

No = Question applies, proceed to Step 2.

Step 2 - Convert to % Acres Incompatibly Zoned for Residential

Residential acres are the most sensitive land use type to noise, and are the only zoned acreage that will be considered in this evaluation. Divide Col 4/Col 5 for % acres incompatibly zoned in each DNL noise contour

Step 3 - Determine Score

Noise Contour	Result	Metric Score	Question Score
65-69	0-10% or Exempt	100	25
65-69	>10-75% or N/Z	80	20
65-69	>75%	0	0
70-74	0-5% or Exempt	100	25
70-74	>5-15% or N/Z	60	15
70-74	>15%	0	0
75-79	0-3% or Exempt	100	25
75-79	>3-10% or N/Z	40	10
75-79	>10%	0	0
80+	0-2% or Exempt	100	25
80+	>2% or N/Z	0	0

Step 4 - Subtotal Results

Combine results from each metric to total a maximum of 100 pts. for installation.

Rationale

The rationale for the scoring is based roughly on the 1995 BRAC metrics, and modified to be more lenient and show greater differentiation between bases. Each of the metrics (65-69, 70-74, 75-79, and 80+) is based on a score of 0-100. The rate at which the score drops within the question increases as the noise level gets higher. Each metric is weighted equally (25 points each) within the question because the percentage of incompatibility allowed has already been considered in the metric evaluation. Furthermore, although 75-79 and 80+ dB are understood to be the most problematic for residential development, most 75-79 and 80+ dB contours do not go off-base, and giving a greater question score to these would result in less distinction between bases.

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1209 Scoring

Part 3: Question 4.1209 - Community Assistance with Zoning

Step 1 - Determine Score

Column	Metric Score	Question Score
2 - Purchased Restrictive Easements on Undeveloped Land	100 = Y, 0 = N	25
3 - Purchased Restrictive Easements on Currently Developed Land	100 = Y, 0 = N	20
4 - Disclosure Requirements in Place for Purchase of Land	100 = Y, 0 = N	8
5 - Land Use Controls that Correlate w/AICUZ-JLUS Recommendation	100 = Y, 0 = N	15
6 - Mandatory Coordination of Development Proposals	100 = Y, 0 = N	12
7 - Noise/APZ/Clear Zone Demarcated In Local Land Use Plans	100 = Y, 0 = N	8
8 - Local Joint Land Use Coordination Board	100 = Y, 0 = N	12
Total Possible	N/A	100

Rationale

The rationale for the question scoring is based on the relative importance of a "Yes" reply for the particular columns. Restrictive easements that have been purchased (Cols 2 & 3) are considered the most helpful form of community involvement in protecting a base from encroachment. The other 5 columns are scored relative to their influence on community development. The scores are arbitrary scores set by the subject matter expert to incorporate the relative importance of each of these factors, and also to total 100 points if all columns are "Yes" responses.

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Buildable Acres (Space AT/FP Buffer)

OPR/OCR: XO/ILE Status: **Deliberative**

Tracking #: 30

Metric Type: Binary

Metric Value: Number of unconstrained development (industrial, administrative, undetermined) acres

Acres	Score
≥250	100
<250	0

Fighter Tanker Airlift UAV/UCAS Conforms?

Bomber C2ISR SOF/CSAR Space Discriminates?



Ability to Hangar F-15-Sized A/C

OPR/OCR: ILM/XO Status: **Deliberative**

Tracking #: 1221

Metric Type: Step

Metric Value: F-15-sized Aircraft to Fit In Hangar

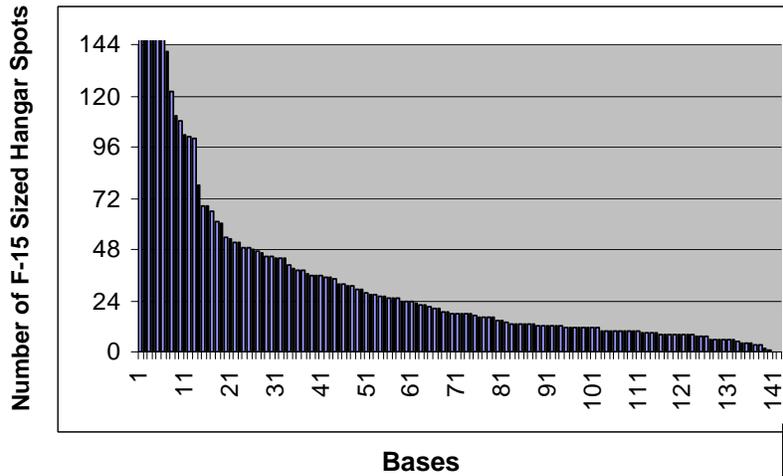
FIGHTER	
Count	Score
>18	100
≥12-18	66
≥6-11	33
<6	0

Fighter Tanker Airlift UAV/UCAS Conforms?

Bomber C2ISR SOF/CSAR Space Discriminates?



Ability to Hangar Permanent F-15 Sized A/C



Agenda 17 Aug 04

0830-0845	Opening Business	Co-chairs
	<i>Calendar</i>	
	<i>Action Items</i>	
0845-0945	MAJCOM Week Prep	<i>Mr. Paul Freund</i>
	-- Break --	
1000-1100	Scenario Process	<i>Lt Col Kapellas</i>
1100-1130	Scenario Tutorial	<i>Lt Col Polczer</i>