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DEPARTMENT OF THE AIR FORCE

WASHINGTON, DC 20330-1000



OFFICE OF THE ASSISTANT SECRETARY

MAR 26 2004

MEMORANDUM FOR RECORD

SUBJECT: Minutes of Air Force Base Closure Executive Group (AF/BCEG) Meeting, 22 Mar 04

Maj Gen Heckman and Mr Aimone called the meeting to order at 0800 the Pentagon, Room 5C279. Attendance is reflected in attachment 1.

Maj Gen Heckman announced that the meeting was an in-progress review of the military value questions from team leads and not deliberative. Following announcement of administrative details, Maj Gen Heckman provided introductory remarks and reviewed the agenda. The members reviewed the minutes from 15 March 04 meeting and approved them without comment.

k provided an overview of military value question writing, characteristics of military value the BCEG should consider, and the question template to be used within the BCEG. was followed by the following presentations.

l briefed Criteria 7, noting that the questions were all oriented "outside the base gate." recommended the question on population centers could be included in the military value section of the AF analysis; however, the BCEG deferred decision to the deliberative session (Slides 113-138). m briefed Space, Missiles and Launch. (Slides 15-24) He answered technical questions from the BCEG concerning frequency spectrum, azimuths, emissions, and encroachments. n discussed Air Reserve Component (ARC) and Homeland Defense (HLD). The discussion centered on various recruiting practices. (Slides 27-33). o described MAF operations, including landing/drop zone characteristics and capacity measures (Slides 93-106). p described CAF operations. The discussion also included buildable acreage, runways, ramps, hangar space, and range access (Slides 36-37). The discussions generated some BCEG guidance, which was outlined at the close of the meeting.

In response to a question, Mr Aimone discussed potential beddown impacts for forces returning from overseas. He noted guidance would be forthcoming later in the spring from JCS/OSD. He clarified that the process will be to align candidate sets with requirements versus identifying specific bases, so the issue of where to base returning forces is not a BRAC issue. Additionally slides 37-41 should be scrubbed for redundancy with JAST.

Maj Gen Heckman and q led the BCEG through a binning exercise. The purpose was not to approve questions, but for a polling of the BCEG to establish a non-binding question-to-criteria straw man list to aid the BCEG Working Group in formulating a proposed attribute list for BCEG deliberation.

Mr Aimone/MG Heckman reviewed a task list, which flowed from the BCEG discussions:

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1. BCEG Secretariat tasked to schedule a presentation of the Education and Training JCSG/Ranges Subgroup Range questions for military value capture
2. Space Team tasked to re-work the frequency spectrum question in concert with ILC
3. SAF/IEI and ILE were tasked to review housing (Criterion 7) and determine if the AF methodology to calculate housing availability could be adopted here
4. CAF and MAF Teams tasked to continue reworking CAF/MAF Military Value questions identified by BCEG
5. ARC Team tasked to rework questions on demographics and recruiting
6. HLD Team tasked to better flesh out additional information/questions on homeland defense
7. BCEG Secretariat tasked to schedule a presentation by the Joint Action Scenario Team (JAST)
8. BCEG Secretariat tasked to provide proposed BCEG meeting schedule through July to BCEG members for discussion at next BCEG

Maj Gen Heckman and Mr Aimone reiterated that leave should be scheduled before August 2004. The BCEG commended the question writers for use of functional experts to refine and direct the questions. The meeting concluded at 1530. The next BCEG meeting is scheduled for 26 March at 0830 in Room 5C279.

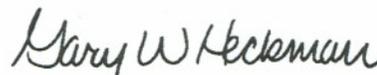


BCEG Recorder

The minutes above are approved.



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



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

Attachments:
As Stated

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Base Closure Executive Group Attendance

Date: 22 Mar 2004

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 checked="" type="checkbox"/> _____ en
RE	<input checked="" type="checkbox"/> <u>Brig Gen Rajczak (AM only)</u>	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> _____
XO	<input checked="" type="checkbox"/> <u>Brig Gen Michael Lynch</u>	<input type="checkbox"/> <u>Mr. Fred Pease</u>	<input checked="" type="checkbox"/> _____
IEI	<input checked="" type="checkbox"/> <u>Mr. Fred Kuhn</u>	<input type="checkbox"/> _____	<input type="checkbox"/> _____
IL	<input type="checkbox"/> <u>Ms. Cathy Sparks</u>	<input checked="" type="checkbox"/> <u>Ms. Kathy Ferguson</u>	<input checked="" type="checkbox"/> _____
AQ	<input type="checkbox"/> <u>Mr. Tim Beyland</u>	<input checked="" type="checkbox"/> <u>Mr. Matt Mleziva</u>	<input type="checkbox"/> _____
UL	<input type="checkbox"/> <u>Ms. Gina Guy</u>	<input checked="" type="checkbox"/> _____	<input type="checkbox"/> _____
FM	<input checked="" type="checkbox"/> <u>Mr. Jay Jordan</u>	<input checked="" type="checkbox"/> _____	<input type="checkbox"/> _____
DP	<input checked="" type="checkbox"/> <u>Mr. William Kelly</u>	<input type="checkbox"/> <u>Brig Gen William Ard</u>	<input checked="" type="checkbox"/> _____
IEE	<input type="checkbox"/> <u>Ms. Maureen Koetz</u>	<input checked="" type="checkbox"/> <u>Mr.</u>	<input type="checkbox"/> _____

- Others IEB
- _____
 - _____
 - _____
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 - _____
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 - _____
 - _____
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AFAM

- Briefers
- _____ XOSR
 - _____ XOR-ANG
 - _____ XPPM
 - _____ XPPC

Headquarters U.S. Air Force

Integrity - Service - Excellence

BCEG



22 Mar 04

U.S. AIR FORCE



Agenda 22 Mar 04

0800-0830	8 Step Way Ahead to MV Analysis	MG Heckman
0830-0900	Intro: "Question Triage" -- Step 1--	
0900-0930	Space questions	Functional OPRs
0930-1000	-- Break --	
1000-1100	ARC/HLD questions	
1100-1200	-- Lunch --	
1200-1330	CAF/ISR questions	
1330-1400	MAF/SOF questions	
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1530-1600	Criteria 7	
1600-1630	8 Step Recap / Way Ahead	MGen Heckman

Integrity - Service - Excellence



8 Steps to Military Value Analysis

- Step 1: Approve questions
- Step 2: Bin the approved questions to criteria
- Step 3: Create attribute bins within criteria
- Step 4: Approve questions for each filter
- Step 5: Weight the criteria
- Step 6: Weight the attributes
- Step 7: Weight the questions
- Step 8: Approve Metrics



8 Steps to Military Value Analysis

- Step 1: Approve questions
 - Organize questions into two groups--ops and infrastructure/environment. XO-leads
- Step 2: Bin the approved questions to criteria
 - Take the approved questions and align them into criteria 1-4.
- Step 3: Create attribute bins w/in the criteria
 - At this point all the questions are assigned to a criteria. Now draw lines at natural break points within the criteria to create new attribute bins within criteria 1-4. This in effect "maps" the attribute bins to the criteria post-facto.
- Step 4: Approve questions for each filter
 - Approve the selection of questions (from the approved list) that each filter needs



8 Steps to Military Value Analysis

Step 5: Weight the criteria

- Weight criteria 1-4

- **Step 6: Weight the Attributes**

- By this step you will have built complete, un-weighted, filters. Now, apply weights to attributes--do this by filter

- **Step 7: Weight the Questions**

- Now, apply weights to questions --do this by filter

- **Step 8: Approve Metrics**

- Present each question with a proposed metric block for those filters selecting this question

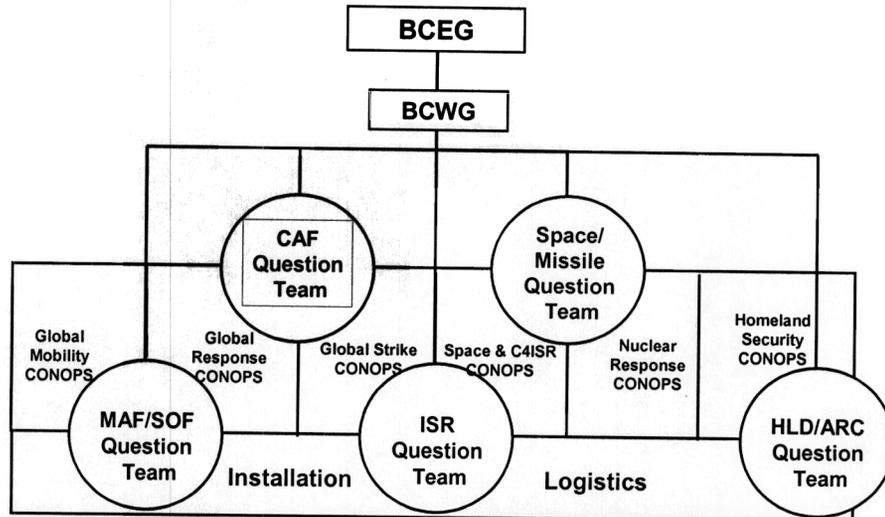


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Question Triage MV Question Development Structure



Question Triage Development and Review Steps

- Identified HAF functional experts to lead MV question development with representation across staff
- Foundation used for question development:
 - BRAC 95 Questionnaire
 - Data Call #1 – Capacity Questionnaire
 - Weapon System Requirements
 - Expeditionary Principles
- Eight rounds of review
- Identified list of necessary MV questions
 - Already asked in Data Call #1 – has MV
 - New questions for next data call



Question Triage Requirements

- Question must have **Military Value** in the context of **BRAC analysis**
- Have a **Source / Reference** for answering
- **Short Question Name** and **Tracking number**
- **Functional OPR**



Question Triage Sample



Question Triage Characteristics

- Critically evaluate—"Does this reflect Military Value?" How?
- Should:
 - Address installation characteristics ... NOT units based there
 - Have a discrete answer: Yes, no, a number or a range
- Should not be:
 - Predicated on fungible assets
 - Military personnel or portable equipment
 - Based on unit-based plans
 - DOC statements, TPFDDs, OPORDs, etc—apply to units, not bases
- Emphasis on:
 - Things we can't change ... no matter how much money we have
 - Location, WX, geography & terrain, encroachment, demographics
 - Proximity to established training airspace & mission (HLD)
 - Things that would be very expensive to replace
 - Space launch infrastructure, ICBM silos
 - Bulk logistics: rail, roads, port infrastructure; fuel delivery/storage
 - Basic airfield capabilities: weight bearing, wide-body capable, MOG



Bad Questions Examples

Question: Does the base have alert facilities?

- What -- bomber, fighter, missile? For aircraft or personnel?

Better: Does the base have full service alert facilities that consists of strip alert aircraft parking or hangars, and on base lodging facilities near the strip alert area?



Ramp/Runway

Good Question

Tracking #: A106

Short Question Name: Runway Length

- ✓ one question = one answer
- ✓ can be answered
- ✓ source document

Question: How long is your installation's primary instrument runway?

Source for the Answer: OPR Enroute Supplement (as of 1 Jan 04)

OPR: AF/XOO

- < 8000' Bad
- 8000 - 8500' OK
- > 8500' Better

- Question Breakdown
(for BCEG use)
- What's MV? Easily Understood?
 - Measurable? Discriminates?



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Space Bases

Tracking #: 2.2A

Short Question Name: Frequency Spectrum Limitations

Question: Does your installation have operational limitations (to include base boundaries, easements, obstructions, or frequency emission restrictions) with use of or access to any of the following line-of-sight and beyond line-of-sight frequency bands: HF, VHF, UHF, L, S, C, X, KU, K and KA

Source for the Answer: New – Unit Frequency Managers

OPR: AF/XOSR

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Space Bases

Tracking #: 2.2

Short Question Name: Restrictions to Ops

Question: If the installation has communications equipment for the control of on-orbit vehicles, what is the available bandwidth for space communications?

Source for the Answer: DoD #29

OPR: AF/XOSR

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Launch Bases

Tracking #: S2

Short Question Name: Fuel Storage

Question: If the installation has bulk propellant storage capability for space and missile launch support in excess of 1000 gallons, what is the maximum storage capacity, by propellant, in gallons?

Source for the Answer: New - Unit Fuels Management

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Launch Bases

Tracking #: S 28

Short Question Name: Ranges: Space

Question: If your base has a launch capability, what is your installation's useable launch azimuth?

Source for the Answer: DoD #164, Row 6

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Launch and Missile Bases

Tracking #: S 4 (1.1)

Short Question Name: Rail Service

Question: Does the installation have rail service for shipment of stages and booster?

Source for the Answer: DoD #333

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Launch Bases

Tracking #: S 5

Short Question Name: Port Facilities

Question: Does the installation have port facilities for the shipment of EELV-class booster stages?

Source for the Answer: New – Unit Civil Engineering

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Space Bases

Tracking #: S 8

Short Question Name: Instrumentation

Question: What is your installation's instrumentation capability with regards to Command and Control, Telemetry, Surveillance, and/or Flight Termination?

Source for the Answer: DoD #185

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Space Bases

Tracking #: S 9

Short Question Name: Electric Power

Question: If your base has an installed power plant capable of generating electrical power greater than or equal to 15,000 kW, what is the peak kW production capacity and for how long can it sustain continuous operation (in days)?

Source for the Answer: DoD #40, 621

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Space Bases

Tracking #: S 9A

Short Question Name: Emergency Power

Question: If your base has an installed power plant capable of generating electrical power greater than or equal to 15,000 kW, what is your current operational requirement?

Source for the Answer: New - Unit Civil Engineering

OPR: AF/XOSR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Missile and Range Bases

Tracking #: S 20

Short Question Name: Munitions

Question: Does your base possess a currently certified

Source for the Answer: DoD #20

OPR: AF/IL

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



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ARC Demographics

Tracking #: H 14

Short Question Name: AD Recruiting Production

Question: Averaged over the past five years, what is the total active duty accession production per recruiter within 100 miles of this installation?

Source for the Answer: AFRS Historical Data

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



ARC Demographics

Tracking #: H 14A

Short Question Name: ARC Recruiting Production

Question: For ARC installations: What is the average accession rate per ARC production recruiter for the past 5 years for this installation? (Only calculate accession rates for recruiters directly recruiting from the community for this installation)

Source for the Answer: AFRC/RSS and ANG/DPR

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



ARC Demographics

Tracking #: H 4

Short Question Name: Non-prior-service Population

Question: What is the primary non-prior service eligible population (ages 17-21) within 100-mile radius of this installation?

Source for the Answer: RMIS Database

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- MV? Easily Understood?
 Measurable? Discriminates?



ARC Demographics

Tracking #: H 7

Short Question Name: Prior-service Population

Question: What is prior service eligible market within 100 miles of the installation?

Source for the Answer: RMIS Database

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- MV? Easily Understood?
 Measurable? Discriminates?



ARC Demographics

Tracking #: H 9

Short Question Name: Manning Performance

Question: For ARC units only: What was the unit/base strength, total percentage manned, for the last five fiscal years? Calculate simple average from reports of five-year period.

Source for the Answer: AFRC/DP and ANG/DP

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



ARC Demographics

Tracking #: H 9A

Short Question Name: ARC and AD Proximity

Question: For ARC units only: What active duty bases are within 100 miles of this installation? [Answered for ARC units. Data can be turned around to determine suitability of AD installation for ARC unit based on other unit manning history in question 9.]

Source for the Answer: Under Development

OPR: AFRC/RSS and ANG/DPR

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



HLD

Tracking #: H 4

Short Question Name: AD Recruiting Production

Question: Does the base have full service alert facilities that consists of strip alert aircraft parking or hangars, and on base lodging facilities near the strip alert area ?

Source for the Answer: Under Development

OPR: AF/XOH

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



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Runway, Ramp

Tracking #: C105

Short Question Name: Jumbo aircraft hangar space

Question: Does your base have a hangar or nose dock capable of housing a 747-sized aircraft (240'x212'x64'), or buildable acres next to the ramp to construct one?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C107

Short Question Name: Ramp Size

Question: On the installation's aircraft ramp, what is the maximum number of 747-sized aircraft (240' x 212' x 64') you can base in addition to your currently assigned MDS, and without your current MDS?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C-107

Short Question Name: Runway, Ramp - ABL

Question: On the installation's aircraft ramp, what is the maximum number of 747-sized aircraft (240' x 212' x 64') the installation can base in addition to currently assigned MDS, and without current MDS?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown (for BCEG use)

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> What's MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C107

Short Question Name: Jumbo Aircraft MOG

Question: In your normal parking area, what is the maximum on ground (MOG) for a jumbo size aircraft (approximately 245' x 212').

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ramp

Tracking #: C11

Short Question Name: C-17 MOG

Question: What is the parking MOG for C-17s using surveyed/approved transient parking ramps?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ramp

Tracking #: C 139

Short Question Name: Useable Ramp Space

Question: What is the total amount of useable aircraft ramp space on the installation (in square yards)?

Source for the Answer: DoD # 8

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ramp

Tracking #: A 105

Short Question Name: In-ground Hydrant Refueling

Question: If the installation has in-ground hydrant refueling points, how many does the installation have, by class, and what is the spacing in feet?

Source for the Answer: DoD #1

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C 110

Short Question Name: Climate-controlled Hangars

Question: How many climate-controlled aircraft maintenance hangars with access to the airfield ramp do you have? Of these, how many can F-15-sized fighter aircraft (61' long x 45' wingspan) can fit in each hangar without modification

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C116

Short Question Name: Field Elevation

Question: What is your field elevation?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: C120

Short Question Name: Auxiliary Airfield

Question: How many airfields with a minimum dimension of 7500' x 150' are within 50 NM of your base are suitable for use as an auxiliary airfield?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.1

Short Question Name: Airfield Characteristics – F-15

Question: Table: Fighter F-15, 61 kips; 300,000 passes. C1. Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESAA Pavement Evaluation Report

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.2

Short Question Name: Airfield Characteristics – F-16

Question: Table: Fighter: F-16C/D, 37 kips 300,000 passes. C1. Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.3

Short Question Name: Airfield Characteristics – B-52

Question: Table: Bomber B-52, 450 kips; 15,000 passes. C1. Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.4

Short Question Name: Airfield Characteristics – B-1B

Question: Table: Bomber: B-1B, 450 kips 50,000 passes. C1. Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.5

Short Question Name: Airfield Characteristics – KC-135R

Question: Table: Tanker KC-135R, 320 kips; 50,000 passes. C1. Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF / XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Runway, Ramp

Tracking #: II.2.F.6

Short Question Name: Airfield Characteristics – KC-10

Question: Table: Tanker: KC-10, 550 kips 15,000 passes. C1.
Runway can support acft (Yes/No); C2. Taxiways can
support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF / XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Runway, Ramp

Tracking #: II.2.F.7

Short Question Name: Airfield Characteristics – C-5B

Question: Table: Airlift: C-5B, 800 kips, 50,000 passes. C1.
Runway can support acft (Yes/No); C2. Taxiways can
support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF / XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Runway, Ramp

Tracking #: II.2.F.8

Short Question Name: Airfield Characteristics - C-17

Question: Table: Airlift C-17, 325 kips; 50,000 passes. C1.
Runway can support acft (Yes/No); C2. Taxiways can support acft (Yes/No)

Source for the Answer: AFCESA Pavement Evaluation Report

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Runways

Tracking #: I.1.2.B

Short Question Name: Parallel runways

Question: How many parallel runways does your base have?
Include your primary parallel runway in your count.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Infrastructure

Tracking #: C103

Short Question Name: HAZMAT delivery

Question: If your base has bulk receiving and storage facilities for hazardous chemicals, to include NH3, CL2, H2O2, what is the bulk receiving method (rail, barge, truck)?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Infrastructure

Tracking #: BT 1

Short Question Name: Jet Fuel Use Rate

Question: What is your maximum daily jet fuel use rate?

Source for the Answer: DoD #3

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Infrastructure

Tracking #: BT 2

Short Question Name: Maximum Jet Fuel Delivery Rate

Question: What is your maximum daily jet fuel delivery rate to your installation (XX measure)?

Source for the Answer: DoD #3

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Infrastructure

Tracking #: BT 3

Short Question Name: Jet Fuel Storage

Question: What is your maximum jet fuel storage capacity?

Source for the Answer: DoD #3

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Infrastructure

Tracking #: L 128

Short Question Name: Maximum POL Dispensing

Question: What is the current maximum and sustained POL dispensing capability as defined in AFR 144-1?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Weapons Handling

Tracking #: C134

Short Question Name: Live load area

Question: If your base has ramp space sited for explosives, list the number of explosives-licensed parking spots by MDS.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Munitions

Tracking #: C 20

Short Question Name: Maximum Explosive Capacity w/o Waivers

Question: What is the Maximum explosive capacity for the munitions storage areas, in pounds, without waivers, by hazard classification?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Munitions

Tracking #: C 20A

Short Question Name: Maximum Explosive Capacity w/Waivers

Question: What is the Maximum explosive capacity for the munitions storage areas, in pounds, with waivers, by hazard classification?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Munitions

Tracking #: S 20

Short Question Name:

Question: Does the installation possess a currently

Source for the Answer: DoD #20

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Airspace

Tracking #: C130

Short Question Name: Restricted Airspace Proximity

Question: How close to restricted airspace in NM is your runway?
Use the main departure end to the nearest entry point.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Airspace

Tracking #: C137

Short Question Name: ATC delays

Question: Using departure figures for FY03, how many scheduled wing sorties experienced ATC departure delays greater than 15 minutes that were not attributable to weather?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Ranges

Tracking #: C108

Short Question Name: ACBT Airspace

Question: Identify the base's supersonic Air Combat Training (ACBT) MOAs, Restricted and Warning Area with greater than 100 NM x 60 NM that are within 200 NM of the base. Use the closest designated airspace entry point to the ACBT area to determine if under 200 NM from the base.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Ranges

Tracking #: C111

Short Question Name: Live Drop Range Proximity

Question: Identify and state distance to the nearest full-scale, heavyweight (2000# class) live drop range capable of weapons releases from 40,000' and below.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: C125

Short Question Name: Air-to-Air Capacity

Question: What is the size of Air-to-Air range in NM³, and how many separate areas for simultaneous use are within 100 NM?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: C136

Short Question Name: IMC releases

Question: Are IMC weapons releases permitted at the base's primary training ranges?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: C138

Short Question Name: Air-to-ground range proximity

Question: What is the distance (NM) to the base's primary (or closest if no current air-to-ground mission at your installation) air-to-ground training range which allows weapons delivery?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: C153

Short Question Name: Range Laser Use

Question: Can you use laser ranging and designating systems at air-to-ground ranges within 150 NM of your base?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: I.2.C.2

Short Question Name: Training Airspace Volume

Question: Identify and state distance to entry point in NM to all MOAs and Warning/Restricted Areas within 100 NM which have a minimum size of 2,100 NM² and an altitude block of at least 20,000 feet.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: C149

Short Question Name: Low angle strafe

Question: Can you perform low angle strafe at the base's primary training ranges?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Ranges

Tracking #: C150

Short Question Name: Supersonic Airspace

Question: What is the supersonic volume (in NM³) below 30K feet of MOAs, Restricted and Warning Areas within 200 NM of the base?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Ranges

Tracking #: I.2.C.4

Short Question Name: Scoreable range distance

Question: Identify and state distance in NM to score able range complexes/target arrays (each must be capable of conventional and tactical targets).

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: I.2.C.5

Short Question Name: EC range distance

Question: Identify and state the distance in NM to nearest electronic combat (EC) range.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: I.2.C.8

Short Question Name: Training Routes

Question: List the slow routes (SR), visual routes (VR), and instrument routes (IR) that your base uses that have entry points within 100 NM.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: L100A.1

Short Question Name: Noise abatement times

Question: What are the noise abatement times for weekdays and weekends?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Ranges

Tracking #: None. New question

Short Question Name: Noise abatement times

Question: Are there low light/lights out provisions for range airspace within 100 NM of your base?"

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Environmental

Tracking #: L100A

Short Question Name: Noise abatement

Question: Are nighttime (2200-0630L) noise abatement procedures in effect at your installation imposed due to off-base/environmental concerns?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |



Environmental

Tracking #: C128

Short Question Name: Prevailing Weather

Question: For your airfield, how many days a year is the prevailing weather better than 3000'/3NM?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Growth Potential

Tracking #: L-100B

Short Question Name: Environmental Constraints

Question: Are training and RTD&E mission activities on range(s) or airspace restricted as a result of statutory environmental constraints (which include mitigations committed to an environmental assessment or environmental impact statement) and now consequently impact part of the day-to-day range management strategy? (Yes/No)

Source for the Answer: New question. Source TBD

OPR: AF/XO

Question Breakdown (for BCEG use)	
<input type="checkbox"/> What's MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Growth Potential

Tracking #: L-100C

Short Question Name: Temporal Restrictions

Question: Temporal Restrictions:

What percentage of the year is restricted?

What percentage of the day is restricted?

Source for the Answer: DoD # 202

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-100C

Short Question Name: Physical Restrictions

Question: Physical restrictions:

What percentage of the range is restricted?

What percentage of the airspace is restricted?

Source for the Answer: DoD # 202

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-102

Short Question Name: Unconstrained Development Acreage

Question: For the installation, what is the total unconstrained acreage available for development?

Source for the Answer: DoD # 198

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-102A

Short Question Name: Buildable Development Acreage

Question: Of the amount of unconstrained acreage, how much is "buildable" for airfield operations?

Source for the Answer:

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-103

Short Question Name: Non-Attainment Area

Question: Is the installation in non-attainment area? (Yes/No)

Source for the Answer: DoD# 213

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-103B

Short Question Name: Non-attainment Restrictions

Question: If in a non-attainment area, what percent of required operations are impacted by this restriction?

Source for the Answer: New

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-104

Short Question Name: Total Buildable Acres – Airfield Ops

Question: What is the total number of buildable acres on the installation for airfield operations?

Source for the Answer: DoD #30 (pull from table)

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-105

Short Question Name: Total Buildable Acres – Industrial Ops

Question: What is the total number of buildable acres on the installation for industrial operations?

Source for the Answer: DoD #30 (pull from table)

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Growth Potential

Tracking #: L-105

Short Question Name: Total Buildable Acres - Range

Question: What is the total buildable acres on the range?

Source for the Answer: DoD #30 (pull from table)

OPR: AF/XO

Question Breakdown (for BCEG use)	
<input type="checkbox"/> What's MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Agenda 22 Mar 04

0800-0830	8 Step Way Ahead to MV Analysis	MG Heckman
0830-0900	Intro: "Question Triage" -- Step 1--	
0900-0930	Space questions	Functional OPRs
0930-1000	-- Break --	
1000-1100	ARC/HLD questions	
1100-1200	-- Lunch --	
1200-1330	CAF/ISR questions	
1330-1400	MAF/SOF questions	
1400-1430	-- Break -- -- Step 2 --	
1430-1530	Bin Reviewed Question to Criteria	
1530-1600	Criteria 7	
1600-1630	8 Step Recap / Way Ahead	MGen Heckman



Tracking #: III.1.A.1

Short Question Name: Aerial Port Throughput

Question: Considering existing load crews, marshalling yards, build up areas, concurrent servicing, and material handling equipment (MHE), how many C-17 equivalent aircraft can be loaded or unloaded at one time? Assume a 13-pallet load, a 2 hr, 15 min ground time.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Tracking #: III.1.B

Short Question Name: Transient Aircraft Operations

Question: How many transient wide-body aircraft operations can the airfield handle concurrently (park, fuel, and load; use C-5A dimensions: 248' long, 223' wide, and 65' high)?

Source for the Answer: Under Development

OPR: AF/XO

Question Breakdown	
<input type="checkbox"/> MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Tracking #: M-100

Short Question Name: Hangar

Question: How many serviceable nose docks does the installation have by MDS?

Source for the Answer: DoD #19

OPR: AF/XO

Question Breakdown (for BCEG use)	
<input type="checkbox"/> What's MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



Tracking #: M-101

Short Question Name: Hangar

Question: How many aircraft can the installation hangar by MDS?

Source for the Answer: DoD #19

OPR: AF/XO

Question Breakdown (for BCEG use)	
<input type="checkbox"/> What's MV?	<input type="checkbox"/> Easily Understood?
<input type="checkbox"/> Measurable?	<input type="checkbox"/> Discriminates?



MAF

Tracking #: M-104

Short Question Name: Ranges: Access

Question: How many IMC-certified drop zones are within 150NM of the installation?

Source for the Answer: DoD #19

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



MAF

Tracking #: I.2.C.11

Short Question Name: Ranges: Distance

Question: Identify and state the distance to all AMC-certified VFR DZs within 150 NM of the installation that are a minimum of 700 x 1000 yds.

Source for the Answer: AF/XOOR, DoD #143

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Tracking #: I.2.C.12

Short Question Name: Ranges: Distance

Question: What is the distance (in NM) from the installation to the nearest AMC-certified Assault Landing Zone at least 3000 feet in length (include paved and unpaved landing zones)?

Source for the Answer: AF/XOOR, DoD #143

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Tracking #: I.2.C.13

Short Question Name: Ranges: Distance

Question: What is the name and distance (NM) to the nearest AMC-certified, full-scale (1000 yds x 1500 yds), drop zone (DZ) which could be used for formation IFR airdrop of personnel and equipment?

Source for the Answer: AF/XOOR, DoD #143

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



MAF

Tracking #: M-109

Short Question Name: Ranges: Distance

Question: What is the distance (NM) to the installation's nearest dirt landing zone?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown (for BCEG use)			
<input type="checkbox"/>	What's MV?	<input type="checkbox"/>	Easily Understood?
<input type="checkbox"/>	Measurable?	<input type="checkbox"/>	Discriminates?



MAF

Tracking #: M-110

Short Question Name: Ranges: Distance

Question: What is the distance (NM) to the installation's nearest drop zone?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown (for BCEG use)			
<input type="checkbox"/>	What's MV?	<input type="checkbox"/>	Easily Understood?
<input type="checkbox"/>	Measurable?	<input type="checkbox"/>	Discriminates?



Tracking #: I.2.A.5

Short Question Name: Air Traffic Control

Question: Identify known or projected airspace problems that may prevent accomplishing the installation's mission.

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown (for BCEG use)			
<input type="checkbox"/>	What's MV?	<input type="checkbox"/>	Easily Understood?
<input type="checkbox"/>	Measurable?	<input type="checkbox"/>	Discriminates?



Tracking #: M-110

Short Question Name: Airspace

Question: Are there any known civilian/commercial encroachments with each piece of airspace? (Yes/No)

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown (for BCEG use)			
<input type="checkbox"/>	What's MV?	<input type="checkbox"/>	Easily Understood?
<input type="checkbox"/>	Measurable?	<input type="checkbox"/>	Discriminates?



MAF

Tracking #: I.2.B.1.a

Short Question Name: Proximity to Mission

Question: What is the distance (NM) to the installation's nearest major airdrop customer?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



MAF

Tracking #: I.2.B.1.a

Short Question Name: Proximity to Mission

Question: What is the distance (NM) to Army/Marine/SOF installations with an active component (battalion or higher) combat organization?

Source for the Answer: Under development

OPR: AF/XO

Question Breakdown
(for BCEG use)

- What's MV? Easily Understood?
 Measurable? Discriminates?



Agenda 22 Mar 04

0800-0830	8 Step Way Ahead to MV Analysis	MG Heckman
0830-0900	Intro: "Question Triage" -- Step 1--	
0900-0930	Space questions	Functional OPRs
0930-1000	-- Break --	
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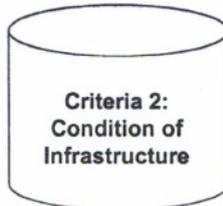


Binning Questions

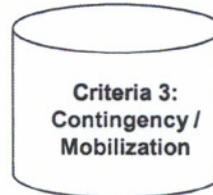
Criteria 1-3



The current and future mission capabilities and the impact on operational readiness of the Department of Defense's total force, including impacts on joint warfighting, training, and readiness.



The availability and condition of land, facilities and associated airspace (including training areas suitable for maneuver by ground, naval, or air forces throughout a diversity of climate and terrain areas and staging areas for the use of the Armed Forces in homeland defense missions) at both existing and potential receiving locations.



The ability to accommodate contingency, mobilization, and future total force requirements at both existing and potential receiving locations to support operations and training.



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Headquarters U.S. Air Force

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Criterion 7

22 Mar 04

U.S. AIR FORCE



Criterion 7

The ability of both the existing and potential receiving communities' infrastructure to support forces, mission, and personnel



Attributes

- CHILD CARE
- COST OF LIVING
- EDUCATION
- EMPLOYMENT
- HOUSING
- MEDICAL/HEALTH
- POPULATION CENTER
- SAFETY/CRIME
- TRANSPORTATION
- UTILITIES



General Amplifying Comments

- All answers for Criterion 7 are for those facilities in the local community. Facilities on a military installation will not be considered in responses.
- The term “military installation” means a base, camp, post, station, yard, center, homeport facility for any ship, or other activity under the jurisdiction of the DoD, including any leased facility.
- The term “military community” is an inclusive term that includes both uniformed and DoD civilian members of the military.
- In areas containing several military installations (San Antonio, Colorado Springs, etc.) installation commanders are encouraged to coordinate responses for the community where appropriate.



General Amplifying Comments

- “Local Community” is defined as the Metropolitan Statistical Area (MSA) that surrounds the military installation.
- A Military Housing Area (MHA) is generally a collection of zip codes surrounding a military installation
 - within a distance of about 20 miles or
 - 1 hour commute during rush hour
- Within the MHA –
 - Commanders & Military Housing Offices
 - Direct data collection away from areas that are unsuitable
 - Submit suitable properties that are appropriate for members



General Amplifying Comments

- If an installation is not contained within an MSA, then the counties contained in the Military Housing Area (MHA) are used unless otherwise specified.
- MHA Counties can be obtained from the Installation Housing Office.
- Data from each county/district (if more than one) will be totaled and averaged to produce one numerical answer.
- If respondent finds inaccuracies in recommended data sources then enter correct information ensuring to note source of information entered.



Child Care

Purpose: Identify availability of quality child care in the local community.

How many fully licensed child care centers are available in the local community?

Gives a number of child care centers available

Individual States' Child Care Licensure Requirements

<http://uchsc.edu/STATE/states.htm>

How many child care centers are accredited?

Puts a quality assessment on those centers

National Association for the Education of Young Children (NAEYC)

www.naeyc.org or other recognized accrediting agency

Can the local community's child care centers' current capacity absorb a 20%, 50%, 100% increase in the military community?

Source: ???



Child Care Expert/Amplifying Comment

■ **Experts:**

- Child Care Expert -- OSD—Ms Jan Witte
- OSD Compensation (BAH)—Mr Tim Fowlkes

■ **Amplifying Comment:**

- "Local Community" is defined as those counties contained in the installation's Military Housing Area (MHA).



Cost of Living

Purpose: Attempt to measure the relative cost of living in the local community

What is the median household income in local community?

Assumes a tie between household income and cost of living
www.census.gov

What is the median value of an owner-occupied housing unit in local community?

Gives a value to purchase a home in the local community
www.census.gov

What is the locality pay rate for the GS pay schedule?

Provides a relative scale to compare local salaries
www.opm.gov



Cost of Living

What is the BAH rate for an O-3 with dependents?

Provides a relative comparison for rental rates in the local community
www.dtic.mil/perdiem/bah.html

Does your state offer higher education in-state tuition for military members?

Does your state offer higher education in-state tuition for military family members?

Does your state offer higher education in-state tuition for members if member PCSs out of the state?

Does your state offer higher education in-state tuition for family members if member PCSs out of the state?

show relative cost for higher education for members and dependents
www.armyeducation.army.mil/InState/StateSummary.htm



Cost of Living Experts/Amplifying Comment

- Expert
 - Bureau of Census—[Bureau of Economic Analysis](#)
 - OSD-Compensation—[OSD Compensation](#)

- Amplifying Comment:
 - “Local Community” is defined as the MSA in which your installation is located. If your installation is not located in an MSA, then use those counties contained in the installation’s Military Housing Area (MHA).



Education

Purpose: Attempt to measure quality of local school system.

What is the pupil/teacher ratio in the local school districts?

Provides a measure of individualized attention for students

www.nces.ed.gov

What is the average SAT score in the local school districts?

What is the average ACT score in the local school districts?

Provides a national basis for comparison

State Board of Education or Local School District(s)

What is the high school graduation rate in the local school districts?

Provides a way to measure success of students in secondary schools—assumes tie between elementary, middle, junior high and high schools

State Board of Education or Local School District(s)



Education

What percent of high school classroom teachers are certified in their subject/core area in the local school districts?

Provides relative quality of teachers in their subject area

State Board of Education or Local School District(s)

How many vocational/technical schools are available in the local community?

How many undergraduate colleges/universities are available in the local community?

How many graduate colleges are available in the local community?

attempt to capture intellectual capital of local community

Installation Education Office

Can current capacity of local school district(s) absorb a 20%, 50%, 100% increase in the military community?

State Board of Education or Local School District(s)



Education Expert/Amplifying Comment

■ Expert

■ N/A

ICES

■ Amplifying Comments

- Local School Districts are those school districts located in the installation's "Local Community." The "Local Community" is defined as those counties contained in the installation's Military Housing Area (MHA).



Employment

Purpose: Attempt to measure availability of off-base employment for spouses, dependents and military members

What is the average number of persons unemployed as a percent of the civilian labor force, for 1999-2003?

Provides a relative merit of job availability in local area

State Labor Market Information Office www.LMI-net.org/state/lmi

What is the percentage change in job growth from 1999-2003?

Provides measure of local job climate in terms of growth

State Labor Market Information Office www.LMI-net.org/state/lmi



Employment Experts/Amplifying Comment

- **Experts**
 - **Bureau of Labor and Statistics**
 - M
 - N
 - Mr N
- **Amplifying Comment:**
 - **“Local Community” is defined as the MSA in which your installation is located. If your installation is not located in an MSA, then use those counties contained in the installation’s Military Housing Area (MHA).**



Housing

Purpose: Provide availability of housing in local community

How many total vacant housing units are available in the local community?

How many vacant housing units are available for rent?

Note: cost of purchasing off-base housing is captured in cost of living

How many vacant housing units are available for sale?

www.census.gov (SF3)



Housing Expert/Amplifying Comment

- Expert
- OSD-Compensation--Mr [redacted]
- AF/IL- [redacted]

- Amplifying Comment
 - "Local Community" is defined as those counties contained in the installation's Military Housing Area (MHA).



Medical Questions

Purpose: Attempt to measure availability of off-base medical care

What is the total number of providers/100,000 population?

Provide number of providers off-base

Source: ???

What is the total number of beds/100,000 population?

Another measure of off-base medical care availability

Source: ???

How many providers accept TRICARE?

Measure how many providers accept Tri Care

Source: Local/Regional Tri Care office

Can the local community's current medical providers absorb a 20%, 50%, 100% increase in the military community?

Source: ???



Medical Expert/Amplifying Comment

- Expert
 - AF/SG—

- Amplifying Comment
 - In this case, "local community" is defined as the medical catchment area for your installation. Medical Catchment area is defined as



Population Center

Purpose: Access to a large population center provides certain quality of life amenities such as shopping, restaurants, recreation, movies and cultural activities

What is the distance in miles to the nearest population center/city that has a population greater than 100,000?

<http://dtod1.mtmc.army.mil>

www.census.gov/statab/ccdb/cit1020a.txt



Population Center Expert/Amplifying Comment

- Expert
 - Bureau of Census

- Amplifying Comment
 - None necessary



Safety/Crime Question

Purpose: Provide measure of relative safety of local community

What is your overall crime index?

The crime index is an overarching statistic that covers 8 crimes that include both violent crimes against persons and crimes against property

www.fbi.gov



Safety/Crime Expert/Amplifying Comment

- **Expert**
 - FBI—/

- **Amplifying Comment**
 - “Local Community” is defined as the MSA in which your installation is located. If your installation is not located in an MSA, then use those counties contained in the installation’s Military Housing Area (MHA).



Transportation

Purpose: Determine convenience of local transportation

What is the distance in miles to the nearest commercial airport that offers regularly-scheduled service by a major airline carrier?

<http://dtod1.mtmc.army.mil>

Is the base served by regularly-scheduled public transportation?

Is public transportation adequate enough so members could use it to commute to/from work under normal circumstances

Installation Transportation Squadron

Can the local community's current roadway system absorb a 20%, 50%, 100% increase in the military community?

Source: ???



Transportation Amplifying Comment

- Provide the distance from the Main Gate of the base to the nearest airport with regularly scheduled service by a major carrier.
- Public transportation could be bus, subway, metro, or any other means where a member could use a public method to get to and from work under normal circumstances (excluding exercises, deployment orders, etc)



Utilities Questions

Purpose: Identify infrastructure limitations in a local community's ability to receive forces

What is the local community's current water system capacity?

At what percentage level is the water system currently operating?

Local utility company

What is the local community's current sewage system capacity?

At what percentage level is the sewage system currently operating?

Local utility company



Utility Experts/Amplifying Comment

- Experts
 - Department of Energy—
 - AF/ILE—
 - MJK Engineering
 - GDS Associates

- Amplifying Comment
 - "Local Community" is defined as the MSA in which your installation is located. If your installation is not located in an MSA, then then use those counties contained in the installation's Military Housing Area (MHA).
 - Consult local utilities to determine at what capacity level they are currently operating not whether the system can expand.



Recommendation Military Value Rollup Question

What is the distance in miles to the nearest population center/city that has a population greater than 100,000?

- *Surge for billeting, transportation, medical, child care*
- *Intellectual capital at technical, undergrad and graduate schools*
- *GWOT/Domestic Preparedness allows for synergy with local support agencies*
- *Encroachment issues will be defined*



QUESTIONS?



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8 Steps to Military Value Analysis

- Step 1: Approve questions
- Step 2: Bin the approved questions to criteria
- Step 3: Create attribute bins within criteria
- Step 4: Approve questions for each filter
- Step 5: Weight the criteria
- Step 6: Weight the attributes
- Step 7: Weight the questions
- Step 8: Approve Metrics



Questions ?



BACKUP



Surge Requirements

- “Surge Requirements can arisecontingencies, mobilization, ...”
 - Overlaps with 4 attributes
 - Proximity to Population Center
 - Metropolitan area can provide surge billeting in local hotels
 - Transportation
 - Commercial airport to bring troops/equipment in and out
 - Medical/Health
 - Potential surge in medical capacity
 - Child Care
 - Potential short-term issue until dependent care plan gets implemented



Intellectual Capacity

- “DOD appreciates the importance of having an available pool of intellectual capacity...”
 - Overlap with “Education” attribute
 - Attribute captures intellectual capacity by asking about vocational/technical schools, undergraduate and graduate programs within 25 miles of the base



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NOT RELEASABLE UNDER FOIA

Global War On Terrorism Domestic Preparedness

- “...domestic preparedness, or fighting the war on terrorism, is an important DoD mission...”
- Overlaps with 2 attributes
 - Proximity to Population Center
 - Can provide synergy with local disaster preparedness forces (police, firefighters, EMT) in the event of act of terrorism
 - Medical/Health
 - Can provide synergy in treating mass casualty victims

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Land Availability Encroachment

- “...availability and condition of land and facilities are an integral part of military value”
- Overlap with “Metropolitan Area” attribute
 - Being close to a metropolitan area could result in encroachment issues

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Summary

- **Questions that are candidates to be included in Military Value:**
 - **Child Care**
 - How many licensed child care centers are available in the local community?
 - How many of these child care centers are accredited by the NAEYC or other nationally recognized accrediting source?
 - **Education**
 - How many vocational/technical schools are available off-base?
 - How many undergraduate colleges/universities are available off-base?
 - How many graduate colleges are available off-base?



Summary

- **Medical/Health**
 - What is the total number of providers/100,000 population?
 - What is the total number of beds/100,000 population?
- **Population Center**
 - What is the distance in miles to the nearest population center/city that has a population greater than 100,000?
- **Transportation**
 - What is the distance in miles to the nearest commercial airport that offers regularly-scheduled service by a major airline carrier?



Federal Register Review

- Surge Requirements
- Intellectual Capital
- Global War on Terrorism/Domestic Preparedness
- Land Availability/Encroachment



Proposed BCEG 6-month Timeline

△ AF BRAC Deliberative Sessions △ Strategic Milestones △ AF Process Milestones

	Dec	Jan	Feb	Mar	Apr	May
MAJCOMs			Certify Data Call #1			Brief Capacity Templates to HAF
BCEG	Capacity Analysis MV	04 Rpt To Congr Exped Basing Guide	Capacity Analysis Mil Value Methodology	Mil Value Questions Offsite	Filters, Metrics Map	MAJCOM Capacity Weight Filters
SECAF/CSAF	Attributes Approve Analysis Process		Mil Value Analysis/Filters		Attributes Weight Criteria	Mil Value CORONA
AF BRAC		Data Call #1			Certify Data Call #1	Data Call #2
Selection Criteria / Force Structure		OSD 20-yr Force Structure Plan to Congress		OSD Publishes Final Selection Criteria		



Mission-area Filters

<u>Mission-area Filters</u>	
SOF / Helo / Attack	Fighter
UAV/UCAV	Bomber
ABL	Tanker / C2ISR
Airlift (inter)	Airlift (intra)
Space Launch	Space Ops
ICBMs	
<u>Supplementary Filters</u>	
Homeland Defense	ARC Unit



MILITARY VALUE QUESTIONNAIRE DEVELOPMENT

Objective: Build questions to determine military value of bases and their ability to satisfy future AF force structure

FOCUS AREAS

<u>ISR</u> XPPI XOR* SAF/AQI *Space and C4ISR CONOPS Champ	<u>CAF</u> XPPC XOR* SAF/AQP *Global Response/Strike CONOPS Champ	<u>MAF/SOF</u> XPPM XOR* SAF/AQQ *Global Mobility CONOPS Champs	<u>SPACE</u> XPPS XOR* SAF/USA *Space and C4ISR CONOPS Champ	<u>Homeland Defense / ARC</u> XOR* XPPM/C *Homeland Security CONOPS Champ
---	---	--	--	---



- 0800-0830: Intro: "Question Triage Brief," 30 min. POC: Tim and Herb (I can help build it for you if you are busy writing questions)
- 0830-1200: **Step 1:** Review/approve questions POC: Tim/Herb
- 1200-1300: Lunch w/ a discussion about "binning" the approved questions
- 1300-1430: **Step 2:** Binning the questions into new attribute bins
- 1430-1600: **Step 3:** Map new attribute bins to criteria
- 1600-1630: Preview of **Step 4:** Short brief on "How filters Work" POC: Milam

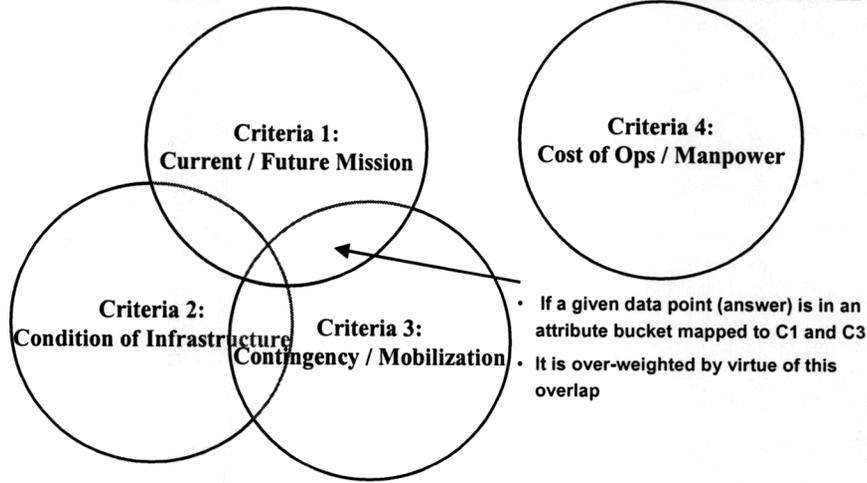


Question Triage Goal

- Identify comprehensive list of necessary MV questions
- Identify:
 - Which questions have already been asked in Data Call #1?
 - Which are new?
- Review question to see:
 - If there is a need for the question (what Military Value?)
 - Is it easily understood?
 - Is it measurable?
 - Is the question a discriminator?
 - If it identifies a shortfall, can it be bought for small cost?



Overlapping Criteria



Munitions Bad Question

Tracking #: C7

Short Question Name: Munitions Response Areas

Question: Are there munitions response areas located on the military installation or auxiliary airfield?

Source for the Answer:

OPR:

Question Breakdown (for BCEG use)			
<input type="checkbox"/>	What's MV?	<input type="checkbox"/>	Easily Understood?
<input type="checkbox"/>	Measurable?	<input type="checkbox"/>	Discriminates?



Military Value Questionnaire Development

Objective: Build questions to determine military value of bases and their ability to satisfy future AF force structure

FOCUS AREAS

<u>ISR</u> XPP1 XOR* SAF/AQI *Space and C4ISR CONOPS Champ	<u>CAF</u> XPPC XOR* SAF/AQP *Global Response/Strike CONOPS Champ	<u>MAF/SOF</u> XPPM XOR* SAF/AQQ *Global Mobility CONOPS Champs	<u>SPACE</u> XPPS XOR* SAF/USA *Space and C4ISR CONOPS Champ	<u>Homeland Defense / ARC</u> XOR* XPPM/C *Homeland Security CONOPS Champ
---	---	--	--	---



Frequency Spectrum

Tracking #: 2.2A

Short Question Name: Frequency Spectrum Limitations

Question: Do you have any operational limitations with use of or access to any of the following frequency bands?:

- HF,VHF, UHF, L-BAND, S-BAND, C-BAND, X-BAND, Ku-BAND, K-BAND, Ka-BAND

- Yes/No Table of all Frequency Ban

Source for the Answer: Installation Frequency Management Plan

OPR: AF/XO

Question Breakdown
(for BCEG use)

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> What's MV? | <input type="checkbox"/> Easily Understood? |
| <input type="checkbox"/> Measurable? | <input type="checkbox"/> Discriminates? |